U. S. DEPARTMENT OF COMMERCE
ROY D. CHAPIN, Secretary
BUREAU OF FOREIGN AND DOMESTIC COMMERCE
FREDERICK M. FEIKER, Director

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LETTER OF SUBMITTAL

DEPARTMENT OF COMMERCE,
BUREAU OF FOREIGN AND DOMESTIC COMMERCE,
Washington, August 12, 1932.

SIR: I have the honor to submit herewith for publication the fifty-fourth annual issue of the Statistical Abstract of the United States. This annual volume has come to occupy an important place in many business organizations as a convenient summary of authoritative statistics showing the trends in trade and industry as well as social progress.

Economic progress can only hope to have a sound foundation when men are able to base their action upon facts instead of guesses. The United States has taken the leadership among the nations of the world in the collection and use of business statistics. However, much still remains to be done in making more effective use of facts which are thus available for the guidance of executive decisions. In the period of recovery from our difficulties of the past three years there will be more urgent need than ever before for the constructive use of such statistics. Those executives who have learned to base their actions upon authoritative facts will have a decided advantage over those who ignore such data. The information on long time trends available from this Abstract, together with the large volume of current statistics issued in the monthly Survey of Current Business, offers the opportunity to remove much of the hazard from business operations.

The present volume has been prepared in the Division of Statistical Research, of which J. Frederic Dewhurst is chief, under the general direction of Ernest A. Tupper, assistant chief of the division, and the more immediate charge of Martha Hunter. The volume represents a digest of data collected by all statistical agencies of the National Government, as well as those of a considerable number of private agencies and several States. Many of these offices and agencies have been of great assistance in furnishing advance data and also in the actual preparation of the tables used in the Abstract. Special mention in this connection is due the following offices of the Federal Government: The Bureau of the Census, the Bureau of Fisheries, and the Bureau of Mines of the Department of Commerce; the Bureau of Agricultural Economics and the Weather Bureau of the Department of Agriculture; the Bureau of Immigration and the Bureau of Labor Statistics of the Department of Labor; the Office of Education of the Department of the Interior; the Federal Board for Vocational Education; the Statistical Division of the Income Tax Unit and the Federal Farm Loan Bureau of the Treasury Department; the Veterans' Administration; the Interstate Commerce Commission; the United States Shipping Board; and the Division of Research and Statistics of the Federal Reserve Board.

Respectfully,

FREDERICK M. FEIKER,
Director.

To Hon. ROY D. CHAPIN,
Secretary of Commerce.

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Appendix 808

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STATISTICAL ABSTRACT OF THE UNITED STATES

1.—AREA AND POPULATION

No. 1.—TERRITORIAL EXPANSION OF THE UNITED STATES

NOTE.—Gross areas, including land and water, but not water surface of oceans, Gulf of Mexico, and Great Lakes. Recent revisions in these figures are due to more accurate maps. For dates of organization of the individual States and Territories see Table 2, p. 1, Statistical Abstract 1931 and previous issues.

Accession	Date	Gross area, square miles	Accession	Date	Gross area, square miles
Aggregate (1930)		**3,738,395**	**Outlying territories and possessions**		**711,606**
Continental United States		**3,026,789**	Alaska Territory	1867	586,400
Territory in 1790 [1]		892,135	Hawaii Territory	1898	6,407
Louisiana Purchase	1803	827,987	Philippine Islands	1899	114,400
Florida	1819	58,666	Puerto Rico (unincorporated territory)	1899	3,435
By treaty with Spain	1819	13,435	Guam	1899	206
Texas	1845	389,166	American Samoa	1900	76
Oregon	1846	286,541	Panama Canal Zone	1904	549
Mexican Cession	1848	529,189	Virgin Islands of the U. S.	1917	133
Gadsden Purchase	1853	29,670			

[1] Includes drainage basin of Red River of the North, not a part of any accession, but in the past sometimes considered a part of the Louisiana Purchase.

Source: Bureau of the Census, Department of Commerce.

No. 2.—AREA: GEOGRAPHIC DIVISIONS AND STATES, 1930

Division and State	Area (square miles)			Division and State	Area (square miles)		
	Land	Water	Total		Land	Water	Total
Continental United States	2,973,776	[1] 53,013	3,026,789	**South Atlantic—Con.**			
				Dist. of Columbia	62	8	70
New England	**61,976**	**4,448**	**66,424**	Virginia	40,262	2,365	42,627
Maine	29,895	3,145	33,040	West Virginia	24,022	148	24,170
New Hampshire	9,031	310	9,341	North Carolina	48,740	3,686	52,426
Vermont	9,124	440	9,564	South Carolina	30,495	494	30,989
Massachusetts	8,039	227	8,266	Georgia	58,725	540	59,265
Rhode Island	1,067	181	1,248	Florida	54,861	3,805	58,666
Connecticut	4,820	145	4,965				
				East South Central	**179,509**	**1,974**	**181,483**
Middle Atlantic	**100,000**	**2,554**	**102,554**	Kentucky	40,181	417	40,598
New York	47,654	[2] 1,550	49,204	Tennessee	41,687	335	42,022
New Jersey	7,514	710	8,224	Alabama	51,279	719	51,998
Pennsylvania	44,832	[2] 294	45,126	Mississippi	46,362	503	46,865
East North Central	**245,564**	**2,541**	**248,105**	**West South Central**	**429,746**	**8,048**	**437,794**
Ohio	40,740	[2] 300	41,040	Arkansas	52,525	810	53,335
Indiana	36,045	[2] 309	36,354	Louisiana	45,409	3,097	48,506
Illinois	56,043	[2] 622	56,665	Oklahoma	69,414	643	70,057
Michigan	57,480	[2] 500	57,980	Texas	262,398	3,498	265,896
Wisconsin	55,256	[2] 810	56,066				
				Mountain	**859,009**	**6,008**	**865,017**
West North Central	**510,804**	**7,575**	**518,379**	Montana	146,131	866	146,997
Minnesota	80,858	[3] 3,824	84,682	Idaho	83,354	534	83,888
Iowa	55,586	561	56,147	Wyoming	97,548	366	97,914
Missouri	68,727	693	69,420	Colorado	103,658	290	103,948
North Dakota	70,183	654	70,837	New Mexico	122,503	131	122,634
South Dakota	76,868	747	77,615	Arizona	113,810	146	113,956
Nebraska	76,808	712	77,520	Utah	82,184	2,806	84,990
Kansas	81,774	384	82,158	Nevada	109,821	869	110,690
South Atlantic	**269,073**	**13,837**	**282,910**	**Pacific**	**318,095**	**6,028**	**324,123**
Delaware	1,965	405	2,370	Washington	66,836	[2] 2,291	69,127
Maryland	9,941	2,386	12,327	Oregon	95,607	1,092	96,699
				California	155,652	2,645	158,297

[1] Does not include the water surface of the oceans, the Gulf of Mexico, or the Great Lakes, the Strait of Juan de Fuca, and the Gulf of Georgia, lying within the jurisdiction of the United States.
[2] Exclusive of Great Lakes.
[3] Exclusive of water area of the Strait of Juan de Fuca and the Gulf of Georgia.

Source: Bureau of the Census, Department of Commerce.

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No. 3.—AREA AND POPULATION: CONTINENTAL UNITED STATES, 1790 TO 1930

NOTE.—The enumeration of 1870 was incomplete in the Southern States. The last column shows the estimated rate of increase corrected for 1870 and 1880

Census year	Area (square miles)			Population				
	Gross	Land	Water	Number	Per square mile [1]	Increase over preceding census		
						Number	Per cent	Corrected per cent, estimated
1790	892,135	867,980	24,155	3,929,214	4.5			
1800	892,135	867,980	24,155	5,308,483	6.1	1,379,269	35.1	
1810	1,720,122	1,685,865	34,257	7,239,881	4.3	1,931,398	36.4	
1820	1,792,223	1,753,588	38,635	9,638,453	5.5	2,398,572	33.1	
1830	1,792,223	1,753,588	38,635	12,866,020	7.3	3,227,567	33.5	
1840	1,792,223	1,753,588	38,635	17,069,453	9.7	4,203,433	32.7	
1850	2,997,119	2,944,337	52,782	23,191,876	7.9	6,122,423	35.9	
1860	3,026,789	2,973,965	52,824	31,443,321	10.6	8,251,445	35.6	
1870	3,026,789	2,973,965	52,824	38,558,371	13.0	7,115,050	22.6	26.6
1880	3,026,789	2,973,965	52,824	50,155,783	16.9	11,597,412	30.1	26.0
1890	3,026,789	2,973,965	52,824	62,947,714	21.2	12,791,931	25.5	
1900	3,026,789	2,974,159	52,630	75,994,575	25.6	13,046,861	20.7	
1910	3,026,789	2,973,890	52,899	91,972,266	30.9	15,977,691	21.0	
1920	3,026,789	2,973,776	53,013	105,710,620	35.5	13,738,354	14.9	
1930	3,026,789	2,973,776	53,013	122,775,046	41.3	17,064,426	16.1	

[1] Based on land area.

Source: Bureau of the Census, Department of Commerce.

No. 4.—POPULATION: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS, 1910, 1920, AND 1930

NOTE.—These data represent actual enumerations, not estimates, as in Table 5. For several of the outlying possessions they relate to dates other than 1910, 1920, and 1930, as indicated by footnotes. The census of Continental United States was as of date Apr. 15 in 1910, Jan. 1 in 1920, and Apr. 1 in 1930

Area	Gross area (land and water) in square miles [1]	Population		
		1910	1920	1930
United States, with outlying territories and possessions	**3,738,395**	**101,146,530**	**117,823,165**	**137,008,435**
Continental United States	3,026,789	91,972,266	105,710,620	122,775,046
Outlying territories and possessions	711,606	9,174,264	12,112,545	14,233,389
Alaska Territory	586,400	64,356	55,036	59,278
American Samoa	76	[2] 7,251	8,056	10,055
Guam	206	11,806	13,275	18,509
Hawaii Territory	6,407	191,909	255,912	368,336
Panama Canal Zone	549	[3] 62,810	22,858	39,467
Puerto Rico (unincorporated territory)	3,435	1,118,012	1,299,809	1,543,913
Military and naval, etc., services abroad		55,608	117,238	89,453
Philippine Islands	114,400	[4] 7,635,426	[4] 10,314,310	[5] 12,082,366
Virgin Islands of the United States	133	[6] 27,086	[7] 26,051	22,012
Total Continental United States and incorporated territories (Alaska and Hawaii)	3,619,596	92,228,531	106,021,568	123,202,660
Total Statistical Customs Area—Continental United States, Alaska, Hawaii, Puerto Rico	3,623,031	93,346,543	107,321,377	124,746,573

[1] See headnote Table 1. [2] Population in 1912. [3] Population in 1903. [4] Population Dec. 31, 1918.
[5] Estimated population, July 1, 1929 (annual report of the director of education of the Philippine Islands).
[6] Population in 1911. [7] Population Nov. 1, 1917.

Source: Bureau of the Census, Department of Commerce.

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No. 5.—POPULATION: Annual Midyear Estimates for Continental United States, and Certain Outlying Territories and Possessions

Note.—Estimates, except for continental United States, 1931 and 1932, are based on the assumption that the increase each year between two successive censuses is equal to the annual average increase between the two enumerations. Estimates for continental United States, 1931 and 1932, are based on available data regarding births, deaths, immigration, and emigration

Year	Continental United States	Year	Continental United States	Year	Continental United States	Hawaii	Puerto Rico	Philippine Islands	Panama Canal Zone
1850	23, 260, 638	1878	47, 932, 945	1905	84, 219, 378	173, 514	1, 042, 318	8, 030, 208	----------
1851	24, 085, 782	1879	49, 092, 687	1906	85, 837, 372	177, 353	1, 058, 115	8, 199, 400	----------
1852	24, 910, 926	1880	50, 262, 382	1907	87, 455, 366	181, 192	1, 073, 912	8, 368, 592	----------
1853	25, 736, 070	1881	51, 541, 575	1908	89, 073, 360	185, 031	1, 089, 709	8, 537, 784	----------
1854	26, 561, 214	1882	52, 820, 768	1909	90, 691, 354	188, 870	1, 105, 506	8, 706, 977	----------
1855	27, 386, 359	1883	54, 099, 961	1910	92, 267, 080	193, 282	1, 121, 913	8, 876, 170	----------
1856	28, 211, 504	1884	55, 379, 154	1911	93, 682, 189	199, 874	1, 140, 638	9, 045, 363	----------
1857	29, 036, 649	1885	56, 658, 347	1912	95, 097, 298	206, 466	1, 159, 364	9, 214, 556	[1] 61, 279
1858	29, 861, 794	1886	57, 937, 540	1913	96, 512, 407	213, 058	1, 178, 090	9, 383, 749	[1] 57, 400
1859	30, 686, 939	1887	59, 216, 733	1914	97, 927, 516	219, 650	1, 196, 816	9, 552, 942	[2] 37, 706
1860	31, 502, 613	1888	60, 495, 927	1915	99, 342, 625	226, 243	1, 215, 542	9, 722, 135	[2] 29, 926
1861	32, 214, 118	1889	61, 775, 121	1916	100, 757, 735	232, 836	1, 234, 268	9, 891, 328	[2] 31, 048
1862	32, 925, 623	1890	63, 056, 438	1917	102, 172, 845	239, 429	1, 252, 994	10, 060, 521	[2] 23, 295
1863	33, 637, 128	1891	64, 361, 124	1918	103, 587, 955	246, 022	1, 271, 720	10, 229, 714	[2] 21, 707
1864	34, 348, 633	1892	65, 665, 810	1919	105, 003, 065	252, 615	1, 290, 446	10, 398, 503	[2] 21, 759
1865	35, 060, 138	1893	66, 970, 496	1920	106, 543, 031	261, 396	1, 311, 717	10, 566, 889	[2] 21, 650
1866	35, 771, 643	1894	68, 275, 182	1921	108, 207, 853	272, 364	1, 335, 532	10, 735, 275	[2] 23, 757
1867	36, 483, 148	1895	69, 579, 868	1922	109, 872, 675	283, 332	1, 359, 347	10, 903, 661	[2] 23, 671
1868	37, 194, 653	1896	70, 884, 554	1923	111, 537, 497	294, 300	1, 383, 162	11, 072, 047	[2] 23, 671
1869	37, 906, 158	1897	72, 189, 240	1924	113, 202, 319	305, 268	1, 406, 977	11, 240, 433	[2] 27, 143
1870	38, 655, 016	1898	73, 493, 926	1925	114, 867, 141	316, 236	1, 430, 792	11, 408, 819	[2] 27, 151
1871	39, 814, 757	1899	74, 798, 612	1926	116, 531, 963	327, 204	1, 454, 607	11, 577, 205	[2] 27, 602
1872	40, 974, 498	1900	76, 129, 408	1927	118, 196, 785	338, 172	1, 478, 422	11, 745, 591	[2] 27, 624
1873	42, 134, 239	1901	77, 747, 402	1928	119, 861, 607	349, 140	1, 502, 237	11, 913, 978	[2] 28, 002
1874	43, 293, 980	1902	79, 365, 396	1929	121, 526, 429	360, 109	1, 526, 052	12, 082, 366	[2] 30, 300
1875	44, 453, 721	1903	80, 983, 390	1930	123, 191, 000	371, 078	1, 549, 868	12, 250, 752	[4] 39, 467
1876	45, 613, 462	1904	82, 601, 384	1931	124, 070, 000	382, 000	1, 573, 700	12, 419, 100	41, 500
1877	46, 773, 203			1932	124, 822, 000	393, 000	1, 597, 500	12, 589, 400	43, 100

[1] Enumeration by Canal Commission.
[2] Police census.
[3] Police census, excluding persons in military and naval service.
[4] Federal census, Apr. 1, 1930.

No. 6.—SEX DISTRIBUTION, BY CLASSES: Continental United States

Note.—Figures for "All other" in 1930 include Mexicans; prior to 1930 Mexicans were classified for the most part as white. See footnote 2, Table 7

Class	1910		1920		1930		Males per 100 females		
	Males	Females	Males	Females	Males	Females	1910	1920	1930
All classes	**47, 332, 277**	**44, 639, 989**	**53, 900, 431**	**51, 810, 189**	**62, 137, 080**	**60, 637, 966**	**106. 0**	**104. 0**	**102. 5**
White	42, 178, 245	39, 553, 712	48, 430, 655	46, 390, 260	55, 163, 854	53, 700, 353	106. 6	104. 4	102. 7
Negro	4, 885, 881	4, 941, 882	5, 209, 436	5, 253, 695	5, 855, 669	6, 035, 474	98. 9	99. 2	97. 0
Indian	135, 133	130, 550	125, 068	119, 369	170, 350	162, 047	103. 5	104. 8	105. 1
Chinese	66, 856	4, 675	53, 891	7, 748	59, 802	15, 152	1,430.1	695. 5	394. 7
Japanese	63, 070	9, 087	72, 707	38, 303	81, 771	57, 063	694. 1	189. 8	143. 3
All other	3, 092	83	8, 674	814	805, 634	667, 877	(1)	1,065.6	120. 6
White population:									
Native, total	34, 654, 457	33, 731, 955	40, 902, 333	40, 205, 828	48, 010, 145	47, 487, 655	102. 7	101. 7	101. 1
Native parentage	25, 229, 218	24, 259, 357	29, 636, 781	28, 785, 176	35, 460, 001	34, 676, 613	104. 0	103. 0	102. 3
Foreign or mixed parentage	9, 425, 239	9, 472, 598	11, 265, 552	11, 420, 652	12, 550, 144	12, 811, 042	99. 5	98. 6	98. 0
Foreign	6, 456, 793	6, 459, 518	7, 810, 531	7, 884, 008	8, 438, 676	8, 560, 545	100. 0	99. 1	98. 6
Mixed	2, 968, 446	3, 013, 080	3, 455, 021	3, 536, 644	4, 111, 468	4, 250, 497	98. 5	97. 7	96. 7
Foreign born	7, 523, 788	5, 821, 757	7, 528, 322	6, 184, 432	7, 153, 709	6, 212, 698	129. 2	121. 7	115. 1

	1860	1870	1880	1890	1900
Total population:					
Males	16, 085, 204	19, 493, 565	25, 518, 820	32, 237, 101	38, 816, 448
Females	15, 368, 117	19, 064, 806	24, 636, 963	30, 710, 613	37, 178, 127
Males per 100 females	104. 7	102. 2	103. 6	105. 0	104. 4

(1) Ratio not shown, number of females being less than 100.

Source of Tables 5 and 6: Bureau of the Census, Department of Commerce.

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No. 7.—RACE, NATIVITY, AND PARENTAGE: CONTINENTAL UNITED STATES

Class	1870 [1]	1880	1890	1900	1910	1920	1930
All classes	**38,558,371**	**50,155,783**	**62,947,714**	**75,994,575**	**91,972,266**	**105,710,620**	**122,775,046**
White [2]	33,589,377	43,402,970	55,101,258	66,809,196	81,731,957	94,820,915	108,864,207
Negro	4,880,009	6,580,793	7,488,676	8,833,994	9,827,763	10,463,131	11,891,143
Mexican [3]							1,422,533
Indian	[3] 25,731	[3] 66,407	248,253	237,196	265,683	244,437	332,397
Chinese	63,199	105,465	107,488	89,863	71,531	61,639	74,954
Japanese	55	148	2,039	24,326	72,157	111,010	138,834
All other [4]					3,175	9,488	50,978
Native (all races)	32,991,142	43,475,840	53,698,154	65,653,299	78,456,380	91,789,928	108,570,897
Foreign born	5,567,229	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	14,204,149
Native white, total [5]	28,095,665	36,843,291	45,979,391	56,595,379	68,386,412	81,108,161	95,497,800
Native parentage	22,771,397	28,568,424	34,475,716	40,949,362	49,488,575	58,421,957	70,136,614
Foreign or mixed parentage	5,324,268	8,274,867	11,503,675	15,646,017	18,897,837	22,686,204	25,361,186
Foreign	4,167,098	6,363,769	8,085,019	10,632,280	12,916,311	15,694,539	16,999,221
Mixed	1,157,170	1,911,098	3,418,656	5,013,737	5,981,526	6,991,665	8,361,965
Foreign born, white	5,493,712	6,559,679	9,121,867	10,213,817	13,345,545	13,712,754	13,366,407
Per cent of total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
White [2]	87.1	86.5	87.5	87.9	88.9	89.7	88.7
Negro	12.7	13.1	11.9	11.6	10.7	9.9	9.7
Mexican [3]							1.2
Indian	.1	.1	.4	.3	.3	.2	.3
Chinese	.2	.2	.2	.1	.1	.1	.1
Japanese	([5])	([5])	([5])	([5])	.1	.1	.1
All other [4]					([5])	([5])	([5])
Native (all races)	85.6	86.7	85.3	86.4	85.3	86.8	88.4
Foreign born	14.4	13.3	14.7	13.6	14.7	13.2	11.6
Native white, total	72.9	73.5	73.0	74.5	74.4	76.7	77.8
Native parentage	59.1	57.0	54.8	53.9	53.8	55.3	57.1
Foreign or mixed parentage	13.8	16.5	18.3	20.6	20.5	21.5	20.7
Foreign	10.8	12.7	12.8	14.0	14.0	14.8	13.8
Mixed	3.0	3.8	5.4	6.6	6.5	6.6	6.8
Foreign born, white	14.2	13.1	14.5	13.4	14.5	13.0	10.9
Increase over preceding census: [6]							
All classes	**7,115,050**	**11,597,412**	**12,466,467**	**13,046,861**	**15,977,691**	**13,738,354**	**17,064,426**
Per cent	**22.6**	**30.1**	**24.9**	**20.7**	**21.0**	**14.9**	**16.1**
White [2]	6,666,840	9,813,593	11,580,920	11,707,938	14,922,761	13,088,958	[9] 14,743,833
Per cent	24.8	29.2	26.7	21.2	22.3	16.0	[8] 15.7
Negro	438,179	1,700,784	889,247	1,345,318	993,769	635,368	1,428,012
Per cent	9.9	34.9	13.5	18.0	11.2	6.5	13.6
Mexican							[9] 721,992
Per cent							[9] 103.1
Indian	−18,290	40,676	−7,601	−11,057	28,487	−21,246	87,960
Per cent	−41.5	153.1	−11.4	−4.5	12.0	−8.0	36.0
Chinese	28,266	42,266	2,010	−17,625	−18,332	−9,892	13,315
Per cent	80.9	66.9	1.9	−16.4	−20.4	−13.8	21.6
Japanese	55	93	1,891	22,287	47,831	38,853	27,824
Per cent		([10])	1,277.7	1,093.0	196.6	53.8	25.1
All other [4]					3,175	6,313	41,490
Per cent						198.8	437.3
Native (all races)	5,686,518	10,484,698	9,896,863	11,955,145	12,803,081	13,333,548	16,780,969
Per cent	20.8	31.8	22.8	22.3	19.5	17.0	18.3
Foreign born	1,428,532	1,112,714	2,569,604	1,091,716	3,174,610	404,806	283,457
Per cent	34.5	20.0	38.5	11.8	30.7	3.0	2.0
Native white, total	5,269,881	8,747,626	9,018,732	10,615,988	11,791,033	12,721,749	[9] 14,632,820
Per cent	23.1	31.1	24.5	23.1	20.8	18.6	[8] 18.1
Native parentage		5,797,027	5,789,924	6,473,646	8,539,213	8,933,382	11,714,657
Per cent		25.5	20.3	18.8	20.9	18.1	20.1
Foreign or mixed parentage		2,950,599	3,228,808	4,142,342	3,251,820	3,788,367	[9] 2,918,163
Per cent		55.4	39.0	36.0	20.8	20.0	[8] 13.0
Foreign		2,196,671	1,721,250	2,547,261	2,284,031	2,778,228	[9] 1,477,386
Per cent		52.7	27.0	31.5	21.5	21.5	[8] 9.5
Mixed		753,928	1,507,558	1,595,081	967,789	1,010,139	[9] 1,440,777
Per cent		65.2	78.9	46.7	19.3	16.9	[8] 20.8
Foreign born, white	1,396,959	1,065,967	2,562,188	1,091,950	3,131,728	367,209	[8] 111,013
Per cent	34.1	19.4	39.1	12.0	30.7	2.8	[8] 0.8

[1] Enumeration in Southern States incomplete; this affects especially figures for the negro population.
[2] White population includes Mexicans prior to 1930. The estimated number of Mexicans included in the white classification in 1920 was as follows: Total, 700,541; native white, 243,181 (172,704 of foreign parentage and 70,477 of mixed parentage); foreign-born white, 457,360. For close comparison with 1930, adjusted figures for 1920 may be obtained by deducting these from the white population as reported in 1920.
[3] Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated prior to 1890.
[4] Comprises Filipinos, Hindus, Koreans, Hawaiians, Malays, Siamese, Samoans, and Maoris.
[5] Less than one-tenth of 1 per cent. [6] A minus sign (−) denotes decrease.
[7] Exclusive of 325,464 persons (117,368 whites, 18,636 Negroes, 189,447 Indians, and 13 Chinese), specially enumerated in 1890 in Indian Territory and on Indian reservations.
[8] Increase over figures adjusted for 1920 on account of Mexicans. See footnote 2.
[9] Increase over estimated number in 1920. [10] Per cent not shown where base is less than 100.

Source: Bureau of the Census, Department of Commerce.

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No. 8.—AGE DISTRIBUTION: TOTALS 1900 TO 1930, AND BY SEX, RACE, NATIVITY AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

Age group	All classes [1]				1930			
					Native white			
	1900	1910	1920	1930	Native parentage	Foreign or mixed parentage	Foreign-born white	Negro
NUMBER								
All ages	75,994,575	91,972,266	105,710,620	122,775,046	70,136,614	25,361,186	13,366,407	11,891,143
Under 5 years	9,170,628	10,631,364	11,573,230	11,444,390	7,939,165	1,960,443	27,788	1,230,206
Under 1 year	*1,916,892*	*2,217,342*	*2,257,255*	*2,190,791*	*1,549,340*	*345,962*	*1,428*	*232,578*
5 to 9 years	8,874,123	9,760,632	11,398,075	12,607,609	8,321,038	2,513,415	121,691	1,368,381
10 to 14 years	8,080,234	9,107,140	10,641,137	12,004,877	7,528,352	2,870,194	147,736	1,251,542
15 to 19 years	7,556,089	9,063,603	9,430,556	11,552,115	6,932,503	2,854,451	324,630	1,250,525
20 to 24 years	7,335,016	9,056,984	9,277,021	10,870,378	6,355,507	2,448,656	661,992	1,203,191
25 to 29 years	6,529,441	8,180,003	9,086,491	9,833,608	5,509,780	2,042,910	1,021,006	1,071,787
30 to 34 years	5,556,039	6,972,185	8,071,193	9,120,421	4,916,005	1,946,931	1,246,830	864,514
35 to 39 years	4,964,781	6,396,100	7,775,281	9,208,645	4,675,975	1,875,978	1,631,667	890,900
40 to 44 years	4,247,166	5,261,587	6,345,557	7,990,195	3,953,253	1,551,078	1,694,176	687,423
45 to 49 years	3,454,612	4,469,197	5,763,620	7,042,279	3,454,299	1,303,476	1,565,214	630,065
50 to 54 years	2,942,829	3,900,791	4,734,873	5,975,804	2,941,026	1,150,660	1,317,370	504,590
55 to 59 years	2,211,172	2,786,951	3,549,124	4,645,677	2,300,842	963,652	1,028,613	309,397
60 to 64 years	1,791,363	2,267,150	2,982,548	3,751,221	1,821,621	744,795	910,577	242,169
65 to 69 years	1,302,926	1,679,503	2,068,475	2,770,605	1,346,942	535,584	712,314	155,177
70 to 74 years	883,841	1,113,728	1,395,036	1,950,004	1,019,306	358,130	460,614	99,096
75 to 79 years	519,857	667,302	856,560	1,106,390	612,330	157,752	269,780	58,711
80 to 84 years	251,512	321,754	402,779	534,676	303,217	52,694	140,892	33,377
85 to 89 years	88,600	122,818	156,539	205,469	115,450	16,389	56,575	14,948
90 to 94 years	23,992	33,473	39,980	51,664	27,260	3,239	13,954	6,332
95 to 99 years	6,266	7,391	9,579	11,033	4,723	544	2,714	2,611
100 years and over	3,504	3,555	4,267	3,964	659	71	450	2,467
Unknown	200,584	169,055	148,699	94,022	57,361	10,144	9,824	13,731
PER CENT								
All ages	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under 5 years	12.1	11.6	10.9	9.3	11.3	7.7	0.2	10.3
Under 1 year	*2.5*	*2.4*	*2.1*	*1.8*	*2.2*	*1.4*	(2)	*2.0*
5 to 9 years	11.7	10.6	10.8	10.3	11.9	9.9	.9	11.5
10 to 14 years	10.6	9.9	10.1	9.8	10.7	11.3	1.1	10.5
15 to 19 years	9.9	9.9	8.9	9.4	9.9	11.3	2.4	10.5
20 to 24 years	9.7	9.8	8.8	8.9	9.1	9.7	5.0	10.1
25 to 29 years	8.6	8.9	8.6	8.0	7.9	8.1	7.6	9.0
30 to 34 years	7.3	7.6	7.6	7.4	7.0	7.7	9.3	7.3
35 to 39 years	6.5	7.0	7.4	7.5	6.7	7.4	12.2	7.5
40 to 44 years	5.6	5.7	6.0	6.5	5.6	6.1	12.7	5.8
45 to 49 years	4.5	4.9	5.5	5.7	4.9	5.1	11.7	5.3
50 to 54 years	3.9	4.2	4.5	4.9	4.2	4.5	9.9	4.2
55 to 59 years	2.9	3.0	3.4	3.8	3.3	3.8	7.7	2.6
60 to 64 years	2.4	2.5	2.8	3.1	2.6	2.9	6.8	2.0
65 to 69 years	1.7	1.8	2.0	2.3	1.9	2.1	5.3	1.3
70 to 74 years	1.2	1.2	1.3	1.6	1.5	1.4	3.4	.8
75 to 79 years	.7	.7	.8	.9	.9	.6	2.0	.5
80 to 84 years	.3	.3	.4	.4	.4	.2	1.1	.3
85 years and over	.2	.2	.2	.2	.2	.1	.6	.2
Unknown	.3	.2	.1	.1	.1	(2)	.1	.1

Age group	Number, 1930		Per cent		Age group	Number, 1930		Per cent	
	Male	Female	Male	Female		Male	Female	Male	Female
All ages	62,137,080	60,637,966	100.0	100.0	50 to 54 years	3,131,645	2,844,159	5.0	4.7
Under 5 years	5,806,174	5,638,216	9.3	9.3	55 to 59 years	2,425,992	2,219,685	3.9	3.7
Under 1 year	*1,112,171*	*1,078,620*	*1.8*	*1.8*	60 to 64 years	1,941,508	1,809,713	3.1	3.0
5 to 9 years	6,381,108	6,226,501	10.3	10.3	65 to 69 years	1,417,812	1,352,793	2.3	2.2
10 to 14 years	6,068,777	5,936,100	9.8	9.8	70 to 74 years	991,647	958,357	1.6	1.6
15 to 19 years	5,757,827	5,794,290	9.3	9.6	75 to 79 years	547,604	558,786	.9	.9
20 to 24 years	5,336,815	5,533,563	8.6	9.1	80 to 84 years	251,138	283,538	.4	.5
25 to 29 years	4,860,180	4,973,428	7.8	8.2	85 to 89 years	90,893	114,576	.1	.2
30 to 34 years	4,561,786	4,558,635	7.3	7.5	90 to 94 years	20,431	31,233	(2)	.1
35 to 39 years	4,679,860	4,528,785	7.5	7.5	95 to 99 years	4,283	6,750	(2)	(2)
40 to 44 years	4,136,459	3,853,736	6.7	6.4	100 years and over	1,403	2,561	(2)	(2)
45 to 49 years	3,671,924	3,370,355	5.9	5.6	Unknown	51,816	42,206	.1	.1

[1] Totals include races not shown separately for 1930.

(2) Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Commerce.

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No. 9.—POPULATION OF ALASKA, HAWAII, PUERTO RICO, AND PHILIPPINE ISLANDS: BY SEX, RACE, NATIVITY, AND AGE

NOTE.—Data represent actual enumerations. For estimated total population for intercensal years see Table 5, p. 3

	1910	1920	1930
ALASKA			
Total	**64,356**	**55,036**	**59,278**
Male	45,857	34,539	35,764
Female	18,499	20,497	23,514
White	36,400	27,883	28,640
Indian	25,331	26,558	29,983
Chinese	1,209	56	26
Japanese	913	312	278
Negro	209	128	136
All other	294	99	215
Native	43,921	42,766	48,709
Foreign born	20,435	12,270	10,569
Native white	18,426	16,286	18,460
Native parentage	10,993	9,538	10,990
Foreign parentage	4,760	4,174	4,324
Mixed parentage	2,673	2,574	3,146
Foreign-born white	17,974	11,597	10,180
Under 5 years	5,363	5,669	6,356
Under 1 year	1,108	1,152	1,339
5 to 9 years	4,026	5,599	6,078
10 to 14 years	2,876	4,292	5,095
15 to 19 years	3,534	3,279	4,735
20 to 44 years	35,970	22,676	21,036
45 years and over	11,965	13,224	15,839
Age unknown	622	297	139
HAWAII			
Total	**191,909**	**255,912**	**368,336**
Male	123,099	151,146	222,640
Female	68,810	104,766	145,696
Hawaiian	26,041	23,723	22,636
Part-Hawaiian	12,506	18,027	28,224
White	44,048	54,742	80,373
Chinese	21,674	23,507	27,179
Japanese	79,675	109,274	139,631
Filipino	2,361	21,031	63,052
Korean	4,533	4,950	6,461
Negro	695	348	563
Other races	376	310	217
Native	98,157	168,671	299,799
Native parentage	47,347	79,242	161,708
Foreign parentage	41,387	73,079	106,946
Mixed parentage	9,423	16,350	31,145
Foreign born	93,752	87,241	68,537
Under 5 years	24,065	38,550	48,180
Under 1 year	5,515	8,579	9,573
5 to 9 years	19,055	30,195	47,119
10 to 14 years	13,537	22,060	38,042
15 to 19 years	13,650	20,645	33,490
20 to 44 years	95,721	103,416	147,919
45 years and over	25,825	40,933	53,483
Age unknown	56	113	103

	1910	1920	1930
PUERTO RICO			
Total	**1,118,012**	**1,299,809**	**1,543,913**
Male	557,301	647,825	771,761
Female	560,711	651,984	772,152
White	732,555	948,709	1,146,719
Black	50,245	49,246	397,156
Mulatto	335,192	301,816	
Other	20	38	38
Native	1,106,246	1,291,642	1,537,896
Foreign born	11,766	8,167	6,017
Native white	722,791	941,228	1,141,114
Native parentage	696,699	915,807	1,120,399
Foreign parentage	4,254	3,898	3,252
Mixed parentage	21,838	21,523	17,463
Foreign-born white	9,764	7,481	5,605
Under 5 years	185,189	200,255	226,468
Under 1 year	39,860	43,184	44,033
5 to 9 years	151,223	195,131	224,022
10 to 14 years	143,751	168,054	199,337
15 to 19 years	113,789	126,248	186,150
20 to 44 years	389,775	441,128	508,729
45 years and over	134,231	168,696	198,985
Age unknown	54	297	222
PHILIPPINE ISLANDS[1]			
Total	**7,635,426**	**10,314,310**	
Male	3,496,652	4,770,317	
Female	3,491,034	4,722,011	
Brown	6,914,880	9,386,826	
Yellow	42,097	50,826	
Half-breed	15,419	34,663	
White	14,271	12,390	
Negro	1,019	7,623	
Philippine Islands [2]	6,931,548	9,431,104	
Foreign [2]	56,138	61,224	
Under 5 years [3]	1,054,096	1,890,788	
Under 1 year	167,905	254,483	
5 to 9 years [3]	960,064	1,160,390	
10 to 14 years	751,243	1,052,447	
15 to 19 years [3]	696,180	1,191,933	
20 to 44 years [3]	2,464,811	2,983,945	
45 years and over [3]	1,061,292	1,212,825	

[1] Figures in the 1910 and 1920 columns are for 1903 and 1918, respectively. All data except for total population relate to Christians only in 1903 and to Christians and non-Christians in only the regularly organized provinces in 1918.

[2] Birthplace. "Foreign" includes all persons born outside the Philippine Islands, even though born in the United States.

[3] Figures in 1918 are for the population under 6 years, 6 to 9 years, 15 to 20 years, 21 to 45 years, 46 years and over, respectively.

Sources: Alaska, Hawaii, and Puerto Rico from the Bureau of Census, Department of Commerce; Philippine Islands from the Census of the Philippine Islands.

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No. 10.—POPULATION: Annual Midyear Estimates by States

NOTE.—Estimates of population from 1923 to 1930 are based on the assumption that the increase (or decrease) each year between the censuses of 1920 and 1930 is equal to the annual average change between the two enumerations. For 1931 and 1932, the total population is estimated upon the basis of the available birth, death, immigration and emigration figures and the increase in the United States total distributed to the various States according to the per cent which each State increase was of the United States increase between 1920 and 1930. If a State showed a decrease in population between 1920 and 1930, the 1930 census figure was used and no estimate made. For actual enumerations, 1790 to 1930, see Table 11, p. 8

[All figures in thousands]

Division and State	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
Continental United States	111, 587	113, 202	114, 867	116, 532	118, 197	119, 862	121, 526	123, 191	124, 070	124, 822
New England	7, 662	7, 737	7, 812	7, 886	7, 961	8, 036	8, 110	8, 185	8, 225	8, 258
Maine	778	781	784	787	790	792	795	798	800	801
New Hampshire	451	453	455	457	459	462	464	466	467	468
Vermont	355	356	356	357	358	358	359	360	360	360
Massachusetts	3, 988	4, 027	4, 066	4, 104	4, 143	4, 182	4, 221	4, 259	4, 280	4, 297
Rhode Island	633	641	649	657	665	673	681	690	694	698
Connecticut	1, 458	1, 480	1, 502	1, 524	1, 546	1, 568	1, 590	1, 612	1, 624	1, 634
Middle Atlantic	23, 627	24, 017	24, 407	24, 797	25, 188	25, 578	25, 968	26, 360	26, 565	26, 741
New York	11, 137	11, 352	11, 567	11, 782	11, 997	12, 212	12, 427	12, 643	12, 756	12, 852
New Jersey	3, 458	3, 545	3, 631	3, 717	3, 804	3, 890	3, 977	4, 063	4, 109	4, 148
Pennsylvania	9, 031	9, 120	9, 209	9, 298	9, 387	9, 476	9, 565	9, 654	9. 700	9, 741
East North Central	22, 780	23, 153	23, 526	23, 899	24, 272	24, 645	25, 018	25, 390	25, 587	25, 755
Ohio	6, 062	6, 149	6, 236	6, 322	6, 409	6, 495	6, 582	6, 668	6, 714	6, 753
Indiana	3, 036	3, 066	3, 096	3, 126	3, 156	3, 186	3, 216	3, 246	3, 262	3, 275
Illinois	6, 876	6, 988	7, 100	7, 212	7, 323	7, 435	7, 547	7, 659	7, 718	7, 768
Michigan	4, 069	4, 184	4, 298	4, 413	4, 527	4, 642	4, 756	4, 871	4, 931	4, 983
Wisconsin	2, 737	2, 767	2, 797	2, 827	2, 857	2, 887	2, 917	2, 946	2, 962	2, 976
West North Central	12, 801	12, 875	12, 948	13, 022	13, 095	13, 168	13, 242	13, 316	13, 352	13, 387
Minnesota	2, 448	2, 465	2, 482	2, 499	2, 517	2, 534	2, 551	2, 568	2, 577	2, 585
Iowa	2, 427	2, 433	2, 440	2, 446	2, 453	2, 460	2, 466	2, 473	2. 476	2, 479
Missouri	3, 481	3, 503	3, 525	3, 547	3, 569	3, 591	3, 613	3, 635	3. 646	3, 656
North Dakota	658	662	665	668	672	675	678	682	683	685
South Dakota	656	661	667	672	678	683	689	694	697	700
Nebraska	1, 324	1, 332	1, 340	1, 348	1, 356	1, 364	1, 372	1, 380	1, 384	1, 388
Kansas	1, 807	1, 818	1, 829	1, 840	1, 851	1, 862	1, 873	1, 884	1, 889	1, 894
South Atlantic	14, 606	14, 782	14, 958	15, 134	15, 310	15, 486	15, 662	15, 838	15. 930	16, 009
Delaware	228	230	231	233	234	236	237	239	240	240
Maryland	1, 512	1, 530	1, 547	1, 565	1, 583	1, 600	1, 618	1, 636	1. 645	1, 653
Dist. of Columbia	454	459	464	469	474	478	483	488	491	493
Virginia	2, 348	2, 359	2, 370	2, 381	2, 392	2, 403	2, 414	2, 425	2, 430	2, 435
West Virginia	1, 554	1, 580	1, 606	1, 632	1, 658	1, 684	1, 710	1, 736	1. 749	1, 761
North Carolina	2, 768	2, 827	2, 887	2, 947	3, 006	3, 066	3, 126	3, 185	3. 217	3, 244
South Carolina	1, 703	1, 708	1, 713	1, 719	1, 724	1, 729	1, 735	1, 740	1, 743	1. 745
Georgia	2, 900	2, 901	2, 903	2, 904	2, 905	2, 906	2, 908	2, 909	2, 909	2, 910
Florida	1, 139	1, 188	1, 237	1, 285	1, 334	1, 383	1, 432	1, 480	1, 506	1, 528
East South Central	9, 233	9, 330	9, 427	9, 524	9, 621	9, 718	9, 814	9, 911	9, 963	10, 006
Kentucky	2, 484	2, 504	2, 523	2, 542	2, 561	2, 581	2, 600	2, 619	2, 630	2, 638
Tennessee	2, 433	2, 460	2, 487	2, 515	2, 542	2, 569	2, 596	2, 623	2 638	2, 650
Alabama	2, 450	2, 479	2, 508	2, 537	2, 566	2, 595	2, 624	2, 654	2, 669	2, 682
Mississippi	1, 865	1, 887	1, 908	1, 930	1, 951	1, 972	1, 994	2, 015	2, 026	2, 036
West South Central	10, 903	11, 092	11, 280	11, 469	11, 658	11, 847	12, 035	12, 224	12, 324	12, 409
Arkansas	1, 787	1, 797	1, 807	1, 817	1, 827	1, 837	1, 847	1, 857	1. 862	1, 867
Louisiana	1, 902	1, 932	1, 961	1, 991	2, 020	2, 050	2, 079	2, 109	2, 125	2, 138
Oklahoma	2, 154	2, 190	2, 226	2, 261	2, 297	2, 333	2, 369	2, 405	2, 424	2, 440
Texas	5, 060	5, 173	5, 286	5, 400	5, 513	5, 626	5, 740	5, 853	5, 913	5, 964
Mountain	3, 461	3, 497	3, 532	3, 568	3, 604	3, 639	3, 675	3, 709	3, 730	3, 748
Montana	545	544	543	542	541	540	538	[1] 538	[1] 538	[1] 538
Idaho	436	438	439	440	441	443	444	445	446	447
Wyoming	205	208	211	214	217	220	223	226	228	229
Colorado	972	982	991	1, 001	1, 010	1, 019	1, 029	1, 038	1, 043	1, 047
New Mexico	382	388	394	400	406	413	419	425	428	431
Arizona	369	379	389	398	408	418	428	438	443	448
Utah	469	475	481	486	492	498	504	509	512	515
Nevada	82	83	85	86	87	89	90	91	92	93
Pacific	6, 464	6, 720	6, 977	7, 233	7, 489	7, 746	8, 002	8, 258	8, 394	8, 509
Washington	1, 427	1, 447	1, 468	1, 488	1, 508	1, 528	1, 548	1, 568	1, 579	1, 588
Oregon	842	858	875	891	908	925	941	958	967	974
California	4, 195	4, 415	4, 634	4, 854	5, 073	5, 293	5, 513	5, 732	5, 848	5, 947

[1] Population Apr. 1, 1930; population decreased 1920 to 1930; no estimate made.

Source: Bureau of the Census, Department of Commerce.

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No. 11.—POPULATION BY STATES

NOTE.—The census of 1870 in the

	Division and State	Population							
		1790	1800	1810	1820	1830	1840	1850	1860
1	Continental U. S.	3,929,214	5,308,483	7,239,881	9,638,453	[3] 12,866,020	[3] 17,069,453	23,191,876	31,443,321
2	New England	1,009,408	1,233,011	1,471,973	1,660,071	1,954,717	2,234,822	2,728,116	3,135,283
3	Maine	96,540	151,719	228,705	298,335	399,455	501,793	583,169	628,279
4	New Hampshire	141,885	183,858	214,460	244,161	269,328	284,574	317,976	326,073
5	Vermont	85,425	154,465	217,895	235,981	280,652	291,948	314,120	315,098
6	Massachusetts	378,787	422,845	472,040	523,287	610,408	737,699	994,514	1,231,066
7	Rhode Island	68,825	69,122	76,931	83,059	97,199	108,830	147,545	174,620
8	Connecticut	237,946	251,002	261,942	275,248	297,675	309,978	370,792	460,147
9	Middle Atlantic	958,632	1,402,565	2,014,702	2,699,845	3,587,664	4,526,260	5,896,735	7,458,985
10	New York	340,120	589,051	959,049	1,372,812	1,918,608	2,428,921	3,097,394	3,880,735
11	New Jersey	184,139	211,149	245,562	277,575	320,823	373,306	489,555	672,035
12	Pennsylvania	434,373	602,365	810,091	1,049,458	1,348,233	1,724,033	2,311,786	2,906,215
13	East North Central		51,006	272,324	792,719	1,470,018	2,924,728	4,523,260	6,926,884
14	Ohio		45,365	230,760	581,434	937,903	1,519,467	1,980,329	2,339,511
15	Indiana		5,641	24,520	147,178	343,031	685,866	988,416	1,350,428
16	Illinois			12,282	55,211	157,445	476,183	851,470	1,711,951
17	Michigan			4,762	8,896	31,639	212,267	397,654	749,113
18	Wisconsin						30,945	305,391	775,881
19	West North Central			19,783	66,586	140,455	426,814	880,335	2,169,832
20	Minnesota							6,077	172,023
21	Iowa						43,112	192,214	674,913
22	Missouri			[4] 19,783	66,586	140,455	383,702	682,044	1,182,012
23	North Dakota								[5]
24	South Dakota								[5] 4,837
25	Nebraska								28,841
26	Kansas								107,206
27	South Atlantic	1,851,806	2,286,494	2,674,891	3,061,063	3,645,752	3,925,299	4,679,090	5,364,703
28	Delaware	59,096	64,273	72,674	72,749	76,748	78,085	91,532	112,216
29	Maryland	319,728	341,548	380,546	407,350	447,040	470,019	583,034	687,049
30	Dist. of Col		14,093	24,023	33,039	39,834	43,712	51,687	75,080
31	Virginia [6]	747,610	880,200	974,600	1,065,366	1,211,405	1,239,797	1,421,661	1,596,318
32	West Virginia [6]								
33	North Carolina	393,751	478,103	555,500	638,829	737,987	753,419	869,039	992,622
34	South Carolina	249,073	345,591	415,115	502,741	581,185	594,398	668,507	703,708
35	Georgia	82,548	162,686	252,433	340,989	516,823	691,392	906,185	1,057,286
36	Florida					34,730	54,477	87,445	140,424
37	East South Central	109,368	335,407	708,590	1,190,489	1,815,969	2,575,445	3,363,271	4,020,991
38	Kentucky	73,677	220,955	406,511	564,317	687,917	779,828	982,405	1,155,684
39	Tennessee	35,691	105,602	261,727	422,823	681,904	829,210	1,002,717	1,109,801
40	Alabama				127,901	309,527	590,756	771,623	964,201
41	Mississippi		8,850	40,352	75,448	136,621	375,651	606,526	791,305
42	West South Central			77,618	167,680	246,127	449,985	940,251	1,747,667
43	Arkansas			[7] 1,062	14,273	30,388	97,574	209,897	435,450
44	Louisiana			76,556	153,407	215,739	352,411	517,762	708,002
45	Oklahoma								
46	Texas							212,592	604,215
47	Mountain							72,927	174,923
48	Montana								
49	Idaho								
50	Wyoming								
51	Colorado								34,277
52	New Mexico							61,547	93,516
53	Arizona								
54	Utah							11,380	40,273
55	Nevada								6,857
56	Pacific							105,891	444,053
57	Washington								11,594
58	Oregon							13,294	52,465
59	California							92,597	379,994

[1] A minus sign (−) denotes decrease.

[3] Includes population (325,464) of Indian Territory and Indian reservations, specially enumerated in 1890, but not included in the general report on population for 1890.

[5] Includes persons (5,318 in 1830 and 6,100 in 1840) on public ships in the service of the United States not credited to any division or State.

Source: Bureau of the Census, Department of Commerce.

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AT EACH CENSUS, 1790 TO 1930

Southern States is considered incomplete

Population—Continued							Per cent increase [1]		Per cent distribution		
1870	1880	1890 [2]	1900	1910	1920	1930	1900–1930	1920–1930	1920	1930	
38,558,371	50,155,783	62,947,714	75,994,575	91,972,266	105,710,620	122,775,046	61.6	16.1	100.0	100.0	1
3,487,924	4,010,529	4,700,749	5,592,017	6,552,681	7,400,909	8,166,341	46.0	10.3	7.0	6.7	2
626,915	648,936	661,086	694,466	742,371	768,014	797,423	14.8	3.8	.7	.6	3
318,300	346,991	376,530	411,588	430,572	443,083	465,293	13.0	5.0	.4	.4	4
330,551	332,286	332,422	343,641	355,956	352,428	359,611	4.6	2.0	.3	.3	5
1,457,351	1,783,085	2,238,947	2,805,346	3,366,416	3,852,356	4,249,614	51.5	10.3	3.6	3.5	6
217,353	276,531	345,506	428,556	542,610	604,397	687,497	60.4	13.7	.6	.6	7
537,454	622,700	746,258	908,420	1,114,756	1,380,631	1,606,903	76.9	16.4	1.3	1.3	8
2,810,808	10,496,878	12,706,220	15,454,678	19,315,892	22,261,144	26,260,750	69.9	18.0	21.1	21.4	9
4,382,759	5,082,871	6,003,174	7,268,894	9,113,614	10,385,227	12,588,066	73.2	21.2	9.8	10.3	10
906,096	1,131,116	1,444,933	1,883,669	2,537,167	3,155,900	4,041,334	114.5	28.1	3.0	3.3	11
3,521,951	4,282,891	5,258,113	6,302,115	7,665,111	8,720,017	9,631,350	52.8	10.5	8.2	7.8	12
9,124,517	11,206,668	13,478,305	15,985,581	18,250,621	21,475,543	25,297,185	58.3	17.8	20.3	20.6	13
2,665,260	3,198,062	3,672,329	4,157,545	4,767,121	5,759,394	6,646,697	59.9	15.4	5.4	5.4	14
1,680,637	1,978,301	2,192,404	2,516,462	2,700,876	2,930,390	3,238,503	28.7	10.5	2.8	2.6	15
2,539,891	3,077,871	3,826,352	4,821,550	5,638,591	6,485,280	7,630,654	58.3	17.7	6.1	6.2	16
1,184,059	1,636,937	2,093,890	2,420,982	2,810,173	3,668,412	4,842,325	100.0	32.0	3.5	3.9	17
1,054,670	1,315,497	1,693,330	2,069,042	2,333,860	2,632,067	2,939,006	42.0	11.7	2.5	2.4	18
3,856,594	6,157,443	8,932,112	10,347,423	11,637,921	12,544,249	13,296,915	28.5	6.0	11.9	10.8	19
439,706	780,773	1,310,283	1,751,394	2,075,708	2,387,125	2,563,953	46.4	7.4	2.3	2.1	20
1,194,020	1,624,615	1,912,297	2,231,853	2,224,771	2,404,021	2,470,939	10.7	2.8	2.3	2.0	21
1,721,295	2,168,380	2,679,185	3,106,665	3,293,335	3,404,055	3,629,367	16.8	6.6	3.2	3.0	22
[5] 2,405	[5] 36,909	190,983	319,146	577,056	646,872	680,845	113.3	5.3	.6	.6	23
[5] 11,776	[5] 98,268	348,600	401,570	583,888	636,547	692,849	72.5	8.8	.6	.6	24
122,993	452,402	1,062,656	1,066,300	1,192,214	1,296,372	1,377,963	29.2	6.3	1.2	1.1	25
364,399	996,096	1,428,108	1,470,495	1,690,949	1,769,257	1,880,999	27.9	6.3	1.7	1.5	26
5,853,610	7,597,197	8,857,922	10,443,480	12,194,895	13,990,272	15,793,589	51.2	12.9	13.2	12.9	27
125,015	146,608	168,493	184,735	202,322	223,003	238,380	29.0	6.9	.2	.2	28
780,894	934,943	1,042,390	1,188,044	1,295,346	1,449,661	1,631,526	37.3	12.5	1.4	1.3	29
131,700	177,624	230,392	278,718	331,069	437,571	486,869	74.7	11.3	.4	.4	30
1,225,163	1,512,565	1,655,980	1,854,184	2,061,612	2,309,187	2,421,851	30.6	4.9	2.2	2.0	31
442,014	618,457	762,794	958,800	1,221,119	1,463,701	1,729,205	80.4	18.1	1.4	1.4	32
1,071,361	1,399,750	1,617,949	1,893,810	2,206,287	2,559,123	3,170,276	67.4	23.9	2.4	2.6	33
705,606	995,577	1,151,149	1,340,316	1,515,400	1,683,724	1,738,765	29.7	3.3	1.6	1.4	34
1,184,109	1,542,180	1,837,353	2,216,331	2,609,121	2,895,832	2,908,506	31.2	.4	2.7	2.4	35
187,748	269,493	391,422	528,542	752,619	968,470	1,468,211	177.8	51.6	.9	1.2	36
4,404,445	5,585,151	6,429,154	7,547,757	8,409,901	8,893,307	9,887,214	31.0	11.2	8.4	8.1	37
1,321,011	1,648,690	1,858,635	2,147,174	2,289,905	2,416,630	2,614,589	21.8	8.2	2.3	2.1	38
1,258,520	1,542,359	1,767,518	2,020,616	2,184,789	2,337,885	2,616,556	29.5	11.9	2.2	2.1	39
996,992	1,262,505	1,513,401	1,828,697	2,138,093	2,348,174	2,646,248	44.7	12.7	2.2	2.2	40
827,922	1,131,597	1,289,600	1,551,270	1,797,114	1,790,618	2,009,821	29.6	12.2	1.7	1.6	41
2,039,985	3,334,220	4,740,983	6,532,290	8,784,534	10,942,224	12,178,830	86.4	18.9	9.7	9.9	42
484,471	802,525	1,128,211	1,311,564	1,574,449	1,752,204	1,854,482	41.4	5.8	1.7	1.5	43
726,915	939,946	1,118,588	1,381,625	1,656,388	1,798,509	2,101,593	52.1	16.9	1.7	1.7	44
		[6] 258,657	[6] 790,391	1,657,155	2,028,283	2,396,040	203.1	18.1	1.9	2.0	45
818,579	1,591,749	2,235,527	3,048,710	3,896,542	4,663,228	5,824,715	91.1	24.9	4.4	4.7	46
315,385	653,119	1,213,935	1,674,657	2,633,517	3,336,101	3,701,789	121.0	11.0	3.2	3.0	47
20,595	39,159	142,924	243,329	376,053	548,889	537,606	120.9	−2.1	.5	.4	48
14,999	32,610	88,548	161,772	325,594	431,866	445,032	175.1	3.0	.4	.4	49
9,118	20,789	62,555	92,531	145,965	194,402	225,565	143.8	16.0	.2	.2	50
39,864	194,327	413,249	539,700	799,024	939,629	1,035,791	91.9	10.2	.9	.8	51
91,874	119,565	160,282	195,310	327,301	360,350	423,317	116.7	17.5	.3	.3	52
9,658	40,440	88,243	122,931	204,354	334,162	435,573	254.3	30.3	.3	.4	53
86,786	143,963	210,779	276,749	373,351	449,396	507,847	83.5	13.0	.4	.4	54
42,491	62,266	47,355	42,335	81,875	77,407	91,058	115.1	17.6	.1	.1	55
675,125	1,114,578	1,888,334	2,416,692	4,192,304	5,566,871	8,194,433	239.1	47.2	5.3	6.7	56
23,955	75,116	357,232	518,103	1,141,990	1,356,621	1,563,396	201.8	15.2	1.3	1.3	57
90,923	174,768	317,704	413,536	672,765	783,389	953,786	130.6	21.8	.7	.8	58
560,247	864,694	1,213,398	1,485,053	2,377,549	3,426,861	5,677,251	282.3	65.7	3.2	4.6	59

[4] Population of area taken to form State of Missouri in 1821; part of Louisiana Territory in 1810.

[5] Population shown for South Dakota in 1860 represents entire *Dakota Territory; for 1870 and 1880, population* parts as since existing have been segregated.

[6] Area now constituting West Virginia formed part of Virginia prior to 1870.

[7] Population of area taken to form Arkansas Territory in 1819; part of Louisiana Territory in 1810.

[8] Includes population of Indian Territory, as follows: 1890, 180,182; 1900, 392,060.

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No. 12.—DENSITY OF POPULATION PER SQUARE MILE, BY STATES

NOTE.—The population of continental United States has been divided by the total land area, although it included at each census some unorganized territory which was not canvassed by the enumerators. For each State or Territory the population as returned at a given census has been divided by the land area as constituted at the time that census was taken. The areas of Indian reservations, outside of Indian Territory, are included in the areas of the several States and Territories, although the population was not ascertained and can not be considered in figuring density of population prior to 1890. The census of 1870 in the Southern States is considered incomplete. Population density in 1930 of Alaska, Hawaii, and Puerto Rico, and of Philippine Islands, December 31, 1918, based on gross area, and not land area, was as follows: Alaska, 0.1; Hawaii, 57.5; Porto Rico, 449.5; Philippine Islands, 90.0

Division and State	1800	1850	1860	1870	1880	1890	1900	1910	1920	1930
Continental United States	6.1	7.9	10.6	13.0	16.9	21.2	25.6	30.9	35.5	41.3
New England	19.9	44.6	50.6	56.3	64.7	75.8	90.2	105.7	119.4	131.8
Maine	5.1	19.5	21.0	21.0	21.7	22.1	23.2	24.8	25.7	26.7
New Hampshire	20.4	35.2	36.1	35.2	38.4	41.7	45.6	47.7	49.1	51.5
Vermont	16.9	34.4	34.5	36.2	36.4	36.4	37.7	39.0	38.6	39.4
Massachusetts	52.6	123.7	153.1	181.3	221.8	278.5	349.0	418.8	479.2	528.6
Rhode Island	64.8	138.3	163.7	203.7	259.2	323.8	401.6	508.5	566.4	644.3
Connecticut	52.1	76.9	95.5	111.5	129.2	154.8	188.5	231.3	286.4	333.4
Middle Atlantic	14.0	50.0	74.6	88.1	105.0	127.1	154.5	193.2	222.6	262.6
New York	12.4	65.0	81.4	92.0	106.7	126.0	152.5	191.2	217.9	264.2
New Jersey	28.1	65.2	89.4	120.6	150.5	192.3	250.7	337.7	420.0	537.8
Pennsylvania	13.4	51.6	64.8	78.6	95.5	117.3	140.6	171.0	194.5	214.8
East North Central	.2	18.4	28.2	37.2	45.7	54.9	65.2	74.3	87.5	103.0
Ohio	1.1	48.6	57.4	65.4	78.5	90.1	102.1	117.0	141.4	163.1
Indiana	(1)	27.5	37.6	46.8	55.1	61.1	70.1	74.9	81.3	89.8
Illinois	.....	15.2	30.6	45.4	55.0	68.3	86.1	100.6	115.7	136.2
Michigan	.....	6.9	13.0	20.6	28.5	36.4	42.1	48.9	63.8	84.2
Wisconsin	.....	5.5	14.0	19.1	23.8	30.6	37.4	42.2	47.6	53.2
West North Central	.....	3.1	3.0	7.6	12.1	17.5	20.3	22.8	24.6	26.0
Minnesota	.....	(1)	2.1	5.4	9.7	16.2	21.7	25.7	29.5	31.7
Iowa	.....	3.5	12.1	21.5	29.2	34.4	40.2	40.0	43.2	44.5
Missouri	.....	9.9	17.2	25.0	31.6	39.0	45.2	47.9	49.5	52.8
North Dakota	.....	.....	(2)	(2)	(2)	2.7	4.5	8.2	9.2	9.7
South Dakota	.....	.....	(2)	(2)	(2)	4.5	5.2	7.6	8.3	9.0
Nebraska	.....	.....	.2	1.6	5.9	13.8	13.9	15.5	16.9	17.9
Kansas	.....	.....	1.3	4.5	12.2	17.5	18.0	20.7	21.6	23.0
South Atlantic	8.6	17.4	19.9	21.8	28.2	32.0	38.8	45.3	52.0	58.7
Delaware	32.7	46.6	57.1	63.6	74.6	85.7	94.0	103.0	113.5	121.3
Maryland	34.4	58.6	69.1	78.6	94.0	104.9	119.5	130.3	145.8	164.1
Dist. of Columbia	156.6	891.2	1,294.5	2,270.7	3,062.5	3,972.3	4,645.3	5,517.8	7,292.9	7,852.7
Virginia	13.7	22.1	24.8	30.4	37.6	41.1	46.1	51.2	57.4	60.2
West Virginia	.....	.....	.....	18.4	25.7	31.8	39.9	50.8	60.9	72.0
North Carolina	9.8	17.8	20.4	22.0	28.7	33.2	38.9	45.3	52.5	65.0
South Carolina	11.3	21.9	23.1	23.1	32.6	37.7	44.0	49.7	55.2	57.0
Georgia	1.5	15.4	18.0	20.2	26.3	31.3	37.7	44.4	49.3	49.5
Florida	.....	1.6	2.6	3.4	4.9	7.1	9.6	13.7	17.7	26.8
East South Central	9.0	18.7	22.4	24.5	31.1	35.8	42.0	48.8	49.5	55.1
Kentucky	5.5	24.4	28.8	32.9	41.0	46.3	53.4	57.0	60.1	65.1
Tennessee	2.5	24.1	26.6	36.2	37.0	42.4	48.5	52.4	56.1	62.8
Alabama	.....	15.0	18.8	19.4	24.6	29.5	35.7	41.7	45.8	51.6
Mississippi	.3	13.1	17.1	17.9	24.4	27.8	33.5	38.8	38.6	43.4
West South Central	.....	2.6	4.9	5.6	9.3	11.9	15.2	20.4	23.8	28.3
Arkansas	.....	4.0	8.3	9.2	15.3	21.5	25.0	30.0	33.4	35.3
Louisiana	.....	11.4	15.6	16.0	20.7	24.6	30.4	36.5	39.6	46.3
Oklahoma	.....	.....	.....	.....	.....	(3) 3.7	(3) 11.4	23.9	29.2	34.5
Texas	.....	.8	2.3	3.1	6.1	8.5	11.6	14.8	17.8	22.2
Mountain	.....	.2	.3	.4	.8	1.4	1.9	3.1	3.9	4.3
Montana	.....	.....	.....	.1	.3	1.0	1.7	2.6	3.8	3.7
Idaho	.....	.....	.....	.2	.4	1.1	1.9	3.9	5.2	5.3
Wyoming	.....	.....	.....	.1	.2	.6	.9	1.5	2.0	2.3
Colorado	.....	.....	.3	.4	1.9	4.0	5.2	7.7	9.1	10.0
New Mexico	.....	.3	.4	.7	1.0	1.3	1.6	2.7	2.9	3.5
Arizona	.....	.....	.....	.1	.4	.8	1.1	1.8	2.9	3.8
Utah	.....	(1)	.3	1.1	1.8	2.6	3.4	4.5	5.5	6.2
Nevada	.....	.....	.1	.4	.6	.4	.4	.7	.7	.8
Pacific	.....	.2	1.0	2.1	3.5	5.9	7.6	13.2	17.5	25.8
Washington	.....	.....	.1	.4	1.1	5.3	7.8	17.1	20.3	23.4
Oregon	.....	(1)	.5	1.0	1.8	3.3	4.3	7.0	8.2	10.0
California	.....	.6	2.4	3.6	5.5	7.8	9.5	15.3	22.0	36.5

[1] Less than one-tenth of 1 per cent.
[2] Dakota Territory: Less than one-tenth of 1 per cent in 1860, 0.1 in 1870, and 0.9 in 1880.
[3] Oklahoma and Indian Territory combined. Separate data are as follows: Indian Territory, 5.9 in 1890 and 12.7 in 1900; Oklahoma, 2.0 in 1890 and 10.3 in 1900.

Source: Bureau of the Census, Department of Commerce.

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No. 13.—PER CENT DISTRIBUTION BY AGE, BY STATES: 1930

NOTE.—Percentages are based on figures in Table 14

Division and State	Per cent in age group															
	Under 5	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 and over
Continental United States	9.3	10.3	9.8	9.4	8.9	8.0	7.4	7.5	6.5	5.7	4.9	3.8	3.1	2.3	1.6	1.6
New England	8.4	9.4	9.3	8.8	8.0	7.4	7.4	7.7	6.8	6.1	5.4	4.6	3.8	2.8	1.9	2.0
Maine	9.4	10.0	9.3	8.6	7.6	6.7	6.6	6.6	6.1	5.9	5.5	4.9	4.2	3.3	2.5	2.8
New Hampshire	8.5	9.4	9.0	8.3	7.5	6.8	6.8	7.0	6.4	6.0	5.7	5.2	4.4	3.4	2.7	2.8
Vermont	9.2	9.7	9.4	8.7	7.7	6.8	6.5	6.6	6.1	5.9	5.6	4.9	4.2	3.2	2.6	2.9
Massachusetts	8.2	9.2	9.1	8.6	8.1	7.6	7.6	7.9	7.0	6.2	5.5	4.6	3.7	2.8	1.9	1.8
Rhode Island	8.7	9.8	9.4	9.1	8.2	7.5	7.5	7.6	6.8	6.1	5.4	4.4	3.6	2.5	1.7	1.6
Connecticut	8.3	9.5	10.0	9.2	8.2	7.5	7.5	8.1	7.1	6.1	5.1	4.0	3.6	2.5	1.7	1.6
Middle Atlantic	8.4	9.4	9.3	9.0	8.8	8.3	8.1	8.1	7.0	6.0	5.1	3.9	3.2	2.3	1.5	1.4
New York	7.9	8.6	8.6	8.5	9.0	8.9	8.6	8.5	7.3	6.2	5.2	4.0	3.2	2.3	1.6	1.4
New Jersey	8.2	9.4	9.5	9.0	8.7	8.2	8.2	8.4	7.2	6.1	5.1	3.9	3.1	2.2	1.5	1.3
Pennsylvania	9.3	10.4	10.2	9.5	8.5	7.6	7.3	7.5	6.6	5.8	4.9	3.9	3.1	2.3	1.5	1.5
E. North Central	8.7	9.5	9.2	8.8	8.6	8.2	7.8	8.0	6.9	6.0	5.0	4.0	3.3	2.5	1.8	1.7
Ohio	8.6	9.6	9.2	8.7	8.5	7.9	7.6	7.9	6.9	6.1	5.1	4.1	3.4	2.6	1.9	1.8
Indiana	8.8	9.7	9.2	8.8	8.2	7.6	7.2	7.3	6.6	6.0	5.3	4.4	3.7	2.9	2.1	2.1
Illinois	8.1	8.9	9.0	8.9	8.8	8.6	8.1	8.4	7.3	6.2	5.0	3.9	3.2	2.4	1.6	1.5
Michigan	9.6	10.1	9.4	8.6	8.6	8.6	8.1	8.2	6.9	5.7	4.6	3.5	2.8	2.2	1.6	1.5
Wisconsin	9.2	9.9	9.7	9.2	8.3	7.7	7.4	7.4	6.6	5.7	4.9	3.9	3.3	2.7	3.3	1.9
W. North Central	9.1	10.0	9.7	9.3	8.5	7.6	7.2	7.3	6.5	5.8	5.0	4.1	3.4	2.7	1.9	2.0
Minnesota	9.0	10.0	9.9	9.4	8.4	7.5	7.4	7.5	6.7	5.7	4.8	3.9	3.3	2.7	1.9	1.8
Iowa	8.9	9.8	9.5	9.0	8.1	7.3	7.1	7.2	6.4	5.9	5.1	4.4	3.7	3.0	2.2	2.3
Missouri	8.4	9.3	9.0	9.0	8.6	7.9	7.4	7.5	6.7	6.1	5.3	4.4	3.6	2.7	2.2	2.0
North Dakota	11.1	11.5	11.7	11.1	9.1	7.2	6.4	6.3	5.8	5.2	4.3	3.3	2.5	1.9	1.3	1.2
South Dakota	10.3	11.3	10.9	10.0	8.6	7.3	6.9	7.0	6.4	5.4	4.4	3.4	2.7	2.2	1.6	1.5
Nebraska	9.5	10.3	9.9	9.6	8.8	7.6	7.2	7.2	6.5	5.6	4.7	3.8	3.1	2.5	1.9	1.9
Kansas	9.1	10.1	9.6	9.3	8.6	7.5	7.0	7.0	6.4	5.7	5.1	4.2	3.4	2.6	2.0	2.2
South Atlantic	10.9	12.1	11.1	10.6	9.4	7.7	6.6	6.6	5.5	5.0	4.4	3.2	2.5	1.8	1.3	1.3
Delaware	8.1	9.4	9.5	8.9	8.4	7.7	7.5	7.6	6.7	5.9	5.5	4.2	3.6	2.9	2.1	2.1
Maryland	8.9	10.0	9.4	8.9	8.9	8.1	7.6	7.6	6.6	5.8	5.1	4.0	3.2	2.4	1.7	1.6
Dist. of Col.	6.6	7.3	6.7	7.4	9.9	9.9	9.3	5.1	7.5	6.7	5.9	4.4	3.5	2.4	1.6	1.6
Virginia	10.6	12.1	11.1	10.6	9.0	7.3	6.5	6.5	5.6	5.2	4.6	3.4	2.7	1.9	1.4	1.5
West Virginia	12.0	12.7	11.2	10.2	8.9	7.6	6.8	6.5	5.5	4.9	4.1	3.1	2.4	1.7	1.2	1.3
North Carolina	12.3	13.5	12.1	11.4	9.6	7.6	6.2	5.9	4.8	4.4	3.8	2.7	2.0	1.5	1.1	1.1
South Carolina	11.8	13.8	12.8	12.2	9.6	6.9	5.7	6.0	5.0	4.5	3.8	2.5	2.1	1.4	1.0	1.0
Georgia	10.9	12.2	11.7	11.5	9.9	7.7	6.3	6.4	5.2	4.6	4.5	2.9	2.3	1.6	1.2	1.2
Florida	9.7	10.4	9.7	9.4	9.4	8.7	7.5	7.5	6.3	5.6	4.6	3.5	2.8	2.0	1.4	1.4
E. South Central	11.4	12.2	11.0	10.6	9.4	7.7	6.4	6.4	5.3	5.0	4.4	3.2	2.5	1.8	1.3	1.4
Kentucky	11.2	12.1	10.7	9.9	8.5	7.2	6.5	6.5	5.6	5.1	4.6	3.6	2.9	2.2	1.6	1.6
Tennessee	10.8	11.7	10.7	10.6	9.5	7.8	6.6	6.6	5.4	4.9	4.8	3.4	2.6	1.9	1.3	1.4
Alabama	11.9	12.5	11.5	11.1	9.8	7.9	6.2	6.2	4.9	5.2	4.0	2.8	2.1	1.5	1.1	1.2
Mississippi	11.7	12.4	11.4	11.1	9.9	7.9	6.3	6.3	5.1	4.6	4.2	2.9	2.3	1.5	1.1	1.2
W. South Central	10.8	11.7	10.6	10.5	9.8	8.4	7.1	6.9	5.6	5.0	4.1	3.1	2.3	1.6	1.2	1.2
Arkansas	11.3	12.2	11.4	10.9	9.5	7.6	6.3	6.4	5.3	5.2	4.3	3.2	2.4	1.6	1.2	1.3
Louisiana	11.0	11.8	10.8	10.4	9.8	8.5	7.1	7.0	5.6	5.1	4.1	3.0	2.2	1.5	1.0	1.1
Oklahoma	11.0	11.9	10.8	10.5	9.6	8.2	7.0	6.7	5.6	4.8	4.1	3.2	2.4	1.6	1.2	1.2
Texas	10.5	11.4	10.3	10.4	10.0	8.7	7.4	7.1	5.8	5.1	4.0	3.0	2.3	1.6	1.2	1.2
Mountain	10.4	11.0	10.3	9.5	8.6	7.6	7.0	7.3	6.5	5.7	4.7	3.6	2.9	2.1	1.4	1.3
Montana	9.2	10.0	10.5	9.3	8.1	7.1	6.6	7.5	7.8	6.6	5.2	3.8	3.1	2.3	1.5	1.2
Idaho	10.3	11.3	11.2	10.0	8.4	7.0	6.5	6.8	6.4	5.7	4.8	3.7	3.0	2.2	1.5	1.3
Wyoming	10.0	10.7	9.6	8.9	9.1	8.2	8.0	8.3	7.2	5.8	4.5	3.3	2.4	1.8	1.1	.9
Colorado	9.2	10.1	9.5	9.2	8.4	7.5	7.2	7.5	6.7	6.0	5.2	4.1	3.4	2.6	1.8	1.6
New Mexico	12.7	13.0	10.9	10.2	8.9	7.6	6.6	7.0	5.4	4.7	3.7	3.0	2.4	1.7	1.1	1.2
Arizona	11.5	11.6	9.8	9.2	9.3	8.6	7.7	7.6	6.2	5.3	4.2	3.0	2.3	1.5	1.0	1.1
Utah	11.7	12.3	11.7	10.4	9.1	7.4	6.7	6.4	5.7	4.9	4.0	3.0	2.5	1.9	1.3	1.2
Nevada	7.8	8.6	7.8	7.6	8.0	8.5	8.0	8.5	8.1	7.5	6.2	4.5	3.5	2.3	1.5	1.5
Pacific	7.2	8.3	7.9	7.9	8.3	8.4	8.2	8.4	7.7	6.9	5.8	4.5	3.7	2.8	1.9	1.8
Washington	7.3	8.7	8.9	8.8	8.3	7.7	7.4	7.9	7.6	6.9	5.8	4.4	3.7	2.8	1.9	1.7
Oregon	7.2	8.5	8.7	8.7	8.2	7.6	7.5	7.9	7.5	6.9	5.8	4.6	3.8	3.0	2.1	2.0
California	7.1	8.2	7.5	7.6	8.4	8.7	8.5	8.6	7.8	6.9	5.8	4.5	3.7	2.7	1.9	1.8

Source: Bureau of the Census, Department of Commerce.

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No. 14.—AGE DISTRIBUTION OF

Note.—For totals for

	Division and State	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 24 years	25 to 29 years	30 to 34 years	35 to 39 years
1	**Continental**	11,444,390	12,607,609	12,004,877	11,552,115	10,870,378	9,833,608	9,120,421	9,208,645
2	**New England**	689,782	768,842	761,595	715,562	657,383	605,870	601,904	626,368
3	Maine	75,037	79,727	74,061	68,683	60,575	53,110	52,613	52,853
4	New Hampshire	39,350	43,543	42,028	38,822	34,867	31,562	31,769	32,472
5	Vermont	33,232	34,765	33,713	31,371	27,829	24,590	23,415	23,782
6	Massachusetts	349,640	390,667	387,003	366,149	345,573	324,135	321,499	335,441
7	Rhode Island	59,624	67,620	64,744	62,414	56,677	51,690	51,374	52,099
8	Connecticut	132,899	152,530	160,046	148,123	131,862	120,783	121,144	129,721
9	**Middle Atlantic**	2,214,805	2,470,204	2,447,292	2,354,216	2,303,339	2,187,974	2,115,881	2,133,190
10	New York	989,294	1,084,839	1,078,186	1,071,313	1,139,029	1,122,879	1,081,129	1,072,385
11	New Jersey	329,668	380,918	384,342	364,396	350,402	332,810	331,332	338,222
12	Pennsylvania	895,843	1,004,447	984,764	918,507	813,908	732,285	703,420	722,583
13	**East North Central**	2,208,821	2,414,163	2,334,961	2,227,213	2,167,732	2,063,777	1,969,728	2,011,235
14	Ohio	573,164	639,272	612,768	578,133	564,253	523,558	505,940	523,068
15	Indiana	285,030	314,917	297,058	284,714	266,101	245,772	232,850	234,981
16	Illinois	615,826	681,782	683,189	676,053	675,072	653,150	621,798	638,994
17	Michigan	463,441	486,970	455,469	416,886	418,202	415,964	391,854	396,392
18	Wisconsin	271,360	291,222	286,477	271,427	244,104	225,333	217,286	217,780
19	**West North Central**	1,205,621	1,326,781	1,287,817	1,241,668	1,133,913	1,005,618	954,553	965,954
20	Minnesota	231,001	256,751	253,788	239,946	214,432	193,469	189,705	192,934
21	Iowa	220,277	242,963	235,820	223,542	201,167	180,357	174,929	177,861
22	Missouri	305,862	339,137	325,058	326,555	313,650	287,176	267,002	271,688
23	North Dakota	75,726	78,119	79,886	75,343	61,853	48,988	43,341	42,931
24	South Dakota	71,324	77,961	75,392	69,609	59,584	50,745	48,122	48,278
25	Nebraska	130,337	141,487	136,339	132,100	120,788	104,370	99,601	99,811
26	Kansas	171,094	190,343	181,034	174,573	162,439	140,513	131,853	132,451
27	**South Atlantic**	1,714,903	1,906,741	1,757,677	1,679,410	1,482,586	1,217,758	1,050,257	1,047,428
28	Delaware	19,283	22,321	22,614	21,173	20,122	18,241	17,857	18,221
29	Maryland	144,629	162,656	152,613	145,804	145,846	132,248	124,358	124,305
30	Dist. of Col	32,304	35,624	32,712	35,806	48,387	48,120	45,095	43,587
31	Virginia	257,138	291,875	269,626	255,757	217,603	176,938	156,596	158,211
32	West Virginia	207,087	220,366	193,265	175,834	153,487	130,593	116,803	112,145
33	North Carolina	391,150	427,112	382,298	360,640	304,847	239,921	197,171	188,488
34	South Carolina	205,076	240,750	222,808	211,345	166,354	120,468	98,859	104,760
35	Georgia	316,404	353,910	338,860	334,336	288,126	222,930	183,399	186,959
36	Florida	141,832	152,127	142,881	138,215	137,814	128,299	110,119	110,752
37	**East South Central**	1,122,861	1,203,971	1,092,200	1,051,163	929,003	759,930	635,006	631,872
38	Kentucky	292,866	316,231	280,238	258,156	221,661	189,040	171,188	169,932
39	Tennessee	281,818	306,629	280,178	276,437	248,619	203,213	172,774	171,956
40	Alabama	313,882	331,713	303,440	294,168	259,361	208,954	164,833	163,991
41	Mississippi	234,295	249,398	228,344	222,402	199,362	158,723	126,211	125,993
42	**West South Central**	1,314,952	1,425,421	1,296,077	1,280,160	1,192,732	1,023,872	864,409	837,621
43	Arkansas	208,709	225,828	211,013	202,734	175,308	141,422	116,776	119,092
44	Louisiana	230,538	248,187	227,631	217,602	206,496	178,953	148,247	146,687
45	Oklahoma	264,537	285,846	258,030	252,755	230,891	197,256	168,737	160,672
46	Texas	611,168	665,560	599,403	607,069	580,037	506,241	430,649	411,170
47	**Mountain**	383,568	408,579	382,579	352,747	320,176	280,076	259,569	268,505
48	Montana	49,263	53,992	56,396	50,135	43,753	38,195	35,476	40,559
49	Idaho	45,814	50,070	49,840	44,565	37,458	31,028	29,059	30,111
50	Wyoming	22,495	24,097	21,750	20,162	20,445	18,489	18,130	18,808
51	Colorado	95,670	104,780	98,940	95,132	86,913	77,310	74,191	77,337
52	New Mexico	53,853	55,094	46,346	43,135	37,797	32,332	27,984	28,517
53	Arizona	50,087	50,457	42,861	39,981	40,453	37,633	33,450	32,939
54	Utah	59,261	62,239	59,384	52,762	46,072	37,333	33,967	32,472
55	Nevada	7,123	7,850	7,062	6,875	7,285	7,756	7,312	7,762
56	**Pacific**	589,079	682,927	645,179	649,976	683,514	688,733	669,214	686,472
57	Washington	114,854	136,013	138,393	137,922	130,401	120,651	115,448	122,833
58	Oregon	68,858	81,520	82,660	83,370	77,986	72,053	71,102	75,019
59	California	405,367	465,394	424,126	428,684	475,127	496,029	482,664	488,620

Source: Bureau of Census, Department of Commerce.

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THE POPULATION, BY STATES, 1930

all ages see Table 11.

40 to 44 years	45 to 49 years	50 to 54 years	55 to 59 years	60 to 64 years	65 to 69 years	70 to 74 years	75 to 79 years	80 to 84 years	85 years and over	Unknown	
7,990,195	7,042,279	5,975,804	4,645,677	3,751,221	2,770,605	1,950,004	1,106,390	534,676	272,130	94,022	1
556,446	501,059	443,176	372,375	311,630	229,017	159,133	91,652	45,417	24,071	5,159	2
48,339	46,757	43,589	38,941	33,537	26,543	20,071	12,554	6,407	3,435	591	3
29,681	28,113	26,676	24,068	20,548	15,846	12,506	7,428	3,735	2,045	244	4
21,794	21,040	20,093	17,626	14,990	11,498	9,318	5,830	2,978	1,629	118	5
296,004	265,410	234,252	197,278	159,330	117,605	78,842	44,273	21,897	11,578	3,048	6
46,568	42,181	37,062	30,286	24,984	17,398	11,621	6,441	3,018	1,475	221	7
114,060	97,558	81,504	64,176	58,241	40,127	26,775	15,126	7,382	3,909	937	8
1,851,303	1,587,001	1,334,184	1,035,773	830,598	600,469	403,506	220,204	102,584	49,883	18,344	9
924,958	780,651	655,197	504,264	406,041	293,447	195,669	105,162	48,984	24,064	10,566	10
291,871	246,388	205,434	157,128	124,676	88,449	58,951	31,432	14,797	7,414	2,704	11
634,474	559,952	473,553	374,381	299,881	218,573	148,887	83,610	38,803	18,405	5,074	12
1,757,937	1,515,615	1,262,141	1,004,593	826,273	634,007	448,113	253,427	120,704	59,335	17,350	13
458,317	406,046	344,777	275,190	224,168	170,465	123,143	71,313	33,727	16,188	3,187	14
213,101	194,779	170,038	143,306	120,800	94,361	69,147	40,664	19,497	9,118	2,289	15
557,637	470,373	383,102	298,912	246,310	183,196	123,566	66,215	31,751	16,345	7,383	16
334,001	275,659	221,237	171,220	137,264	106,038	75,079	43,087	20,731	9,956	2,875	17
194,881	168,758	142,987	115,965	97,731	79,947	57,178	32,148	15,058	7,728	1,636	18
867,038	769,649	661,884	543,720	451,101	353,721	257,853	149,457	75,211	38,859	7,237	19
172,980	147,143	122,171	100,813	84,372	69,079	48,256	26,628	12,693	6,824	968	20
157,635	144,603	126,365	107,596	92,343	72,943	54,233	32,088	16,305	8,670	1,242	21
242,356	220,334	193,097	158,408	131,730	99,311	71,878	41,648	21,064	10,624	2,789	22
39,569	35,633	29,235	22,425	17,123	13,019	9,112	4,926	2,186	1,037	393	23
44,205	37,499	30,289	23,648	18,902	15,211	11,058	6,294	2,949	1,403	376	24
89,856	76,815	64,691	52,041	42,783	34,431	25,525	14,834	7,583	3,821	750	25
120,437	107,622	95,816	78,789	63,848	49,727	37,791	23,039	12,431	6,480	719	26
873,082	783,596	690,506	496,869	393,400	278,066	201,837	116,562	57,216	30,258	13,435	27
15,969	14,160	13,001	10,024	8,578	6,844	4,887	2,893	1,338	716	138	28
107,367	94,879	82,466	64,676	52,901	39,292	27,419	15,430	7,353	3,478	3,806	29
36,326	32,574	28,732	21,609	16,958	11,712	7,694	4,315	2,265	1,267	1,782	30
136,024	125,667	110,423	82,933	65,198	45,935	34,815	20,321	10,212	5,395	1,184	31
94,645	85,398	70,728	53,548	41,530	29,675	21,197	12,868	6,147	3,156	733	32
153,231	137,981	120,365	85,539	63,743	46,085	34,533	20,076	9,820	5,157	2,119	33
86,589	78,138	65,371	44,318	36,173	23,596	16,845	9,437	4,670	2,616	592	34
151,156	133,154	131,455	84,633	67,562	45,142	33,738	19,505	9,564	5,329	1,844	35
91,775	81,647	67,965	51,589	40,757	29,785	20,709	11,717	5,847	3,144	1,237	36
532,777	493,867	435,618	316,979	247,028	175,781	128,018	75,745	37,924	20,382	7,091	37
146,945	133,430	119,940	95,182	76,270	57,870	41,769	24,518	11,881	6,084	1,388	38
141,554	128,582	124,300	89,615	68,211	48,478	34,889	20,416	10,160	5,102	3,625	39
130,871	138,403	106,459	73,716	55,948	39,246	29,184	17,243	8,668	4,899	1,269	40
103,407	93,452	84,919	58,466	46,597	30,187	22,176	13,568	7,215	4,297	809	41
685,825	613,304	499,120	372,852	282,875	192,729	141,073	83,978	40,863	22,155	6,813	42
98,025	96,405	79,352	59,439	44,001	29,986	22,381	13,255	6,448	3,530	778	43
118,615	107,576	85,585	62,463	46,358	30,924	21,400	13,029	6,382	4,115	805	44
133,077	114,124	99,006	76,782	56,400	39,676	28,582	16,648	7,983	3,999	1,039	45
336,108	295,199	235,177	174,168	136,116	92,143	68,710	41,046	20,049	10,511	4,191	46
242,207	210,696	172,397	132,696	106,586	75,430	52,665	28,643	13,123	6,716	2,432	47
42,127	35,634	27,334	20,625	16,580	12,323	7,911	3,931	1,688	847	337	48
28,413	25,230	21,243	16,419	13,258	9,730	6,629	3,484	1,668	799	214	49
16,281	13,013	10,243	7,358	5,409	3,985	2,592	1,336	565	226	178	50
69,330	62,302	53,363	42,608	35,427	26,883	18,190	10,011	4,534	2,169	701	51
22,890	19,703	15,691	12,693	10,250	7,274	4,664	2,750	1,314	823	204	52
27,053	23,295	18,113	13,037	9,921	6,650	4,473	2,613	1,259	773	525	53
28,713	24,693	20,262	15,230	12,571	9,503	6,846	3,756	1,702	858	223	54
7,400	6,823	5,648	4,128	3,170	2,079	1,360	762	392	221	50	55
633,580	567,490	476,998	368,418	301,732	228,385	157,806	86,722	41,576	20,471	16,161	56
118,105	108,280	90,223	69,260	57,530	44,440	30,075	16,110	7,329	3,549	1,980	57
71,976	65,663	55,296	43,869	36,640	28,199	20,167	11,139	5,366	2,461	442	58
443,499	393,547	331,479	255,289	207,562	155,746	107,564	59,473	28,881	14,461	13,739	59

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No. 15.—POPULATION:

NOTE.—Figures for "All other" include Mexicans; prior to 1930, Mexicans were classified for the most population

Division and State	1880			1890 [1]			1900	
	White	Negro	All other [2]	White	Negro	All other	White	Negro
Continental United States.	43,402,970	6,580,793	172,020	55,101,258	7,488,676	357,780	66,809,196	8,833,994
New England	3,968,789	39,925	1,815	4,653,191	44,580	2,978	5,537,026	59,099
Maine	646,852	1,451	633	659,263	1,190	633	692,226	1,319
New Hampshire	346,229	685	77	375,840	614	76	410,791	662
Vermont	331,218	1,057	11	331,418	937	67	342,771	826
Massachusetts	1,763,782	18,697	606	2,215,373	22,144	1,430	2,769,764	31,974
Rhode Island	269,939	6,488	104	337,859	7,393	254	419,050	9,092
Connecticut	610,769	11,547	384	733,438	12,302	518	892,424	15,226
Middle Atlantic	10,305,055	189,492	2,331	12,468,794	225,326	12,100	15,110,869	335,921
New York	5,016,022	65,104	1,745	5,923,955	70,092	9,127	7,156,881	99,232
New Jersey	1,092,017	38,853	246	1,396,581	47,638	714	1,812,317	69,844
Pennsylvania	4,197,016	85,535	340	5,148,258	107,596	2,259	6,141,664	156,845
East North Central	11,012,047	183,298	11,323	13,253,725	207,023	17,557	15,710,053	257,842
Ohio	3,117,920	79,900	242	3,584,805	87,113	411	4,060,204	96,901
Indiana	1,938,798	39,228	275	2,146,736	45,215	453	2,458,502	57,505
Illinois	3,031,151	46,368	352	3,768,472	57,028	852	4,734,873	85,078
Michigan	1,614,560	15,100	7,277	2,072,884	15,223	5,783	2,398,563	15,816
Wisconsin	1,309,618	2,702	3,177	1,680,828	2,444	10,058	2,057,911	2,542
West North Central	5,949,376	202,323	5,744	8,660,088	294,089	47,935	10,065,317	237,909
Minnesota	776,884	1,564	2,325	1,296,408	3,683	10,192	1,737,036	4,959
Iowa	1,614,600	9,516	499	1,901,090	10,685	522	2,218,667	12,693
Missouri	2,022,826	145,350	204	2,528,458	150,184	543	2,944,843	161,234
North Dakota	36,192	113	604	182,407	373	8,203	311,712	286
South Dakota	96,955	288	1,025	328,010	541	20,049	380,714	465
Nebraska	449,764	2,385	253	1,047,096	8,913	6,647	1,056,526	6,269
Kansas	952,155	43,107	834	1,376,619	49,710	1,779	1,416,319	52,003
South Atlantic	4,654,112	2,941,202	1,883	5,592,149	3,282,690	3,083	6,706,058	3,729,017
Delaware	120,160	26,442	6	140,066	28,386	41	153,977	30,697
Maryland	724,693	210,230	20	826,493	215,657	240	952,424	235,064
District of Columbia	118,006	59,596	22	154,695	75,572	126	191,532	86,702
Virginia	880,858	631,616	91	1,020,122	635,438	420	1,192,855	660,722
West Virginia	592,537	25,886	34	730,077	32,690	27	915,233	43,499
North Carolina	867,242	531,277	1,231	1,055,382	561,018	1,549	1,263,603	624,469
South Carolina	391,105	604,332	140	462,008	688,934	207	557,807	782,321
Georgia	816,906	725,133	141	978,357	858,815	181	1,181,294	1,034,813
Florida	142,605	126,690	198	224,949	166,180	293	297,333	230,730
East South Central	3,657,593	1,924,998	2,562	4,305,668	2,119,797	3,689	5,044,847	2,499,886
Kentucky	1,377,179	271,451	60	1,590,462	268,071	102	1,862,309	284,706
Tennessee	1,138,831	403,151	377	1,336,637	430,678	203	1,540,186	480,243
Alabama	662,185	600,103	217	833,718	678,489	1,194	1,001,152	827,307
Mississippi	479,398	650,291	1,908	544,851	742,559	2,190	641,200	907,630
West South Central	2,243,729	1,087,705	2,793	3,295,636	1,378,090	67,257	4,771,065	1,694,066
Arkansas	591,531	210,666	328	818,752	309,117	342	944,580	366,856
Louisiana	454,954	483,655	1,337	558,395	559,193	1,000	729,612	650,804
Oklahoma [3]				172,554	21,609	64,494	670,204	55,684
Texas	1,197,237	393,384	1,128	1,745,935	488,171	1,421	2,426,669	620,722
Mountain	614,821	5,023	33,276	1,117,363	12,971	83,601	1,579,855	15,590
Montana	35,385	346	3,428	127,690	1,490	13,744	226,283	1,523
Idaho	29,013	53	3,544	82,117	201	6,230	154,495	293
Wyoming	19,437	298	1,054	59,324	922	2,309	89,051	940
Colorado	191,126	2,435	766	404,534	6,215	2,500	529,046	8,570
New Mexico	108,721	1,015	9,829	142,918	1,956	15,408	180,207	1,610
Arizona	35,160	155	5,125	55,734	1,357	31,152	92,903	1,848
Utah	142,423	232	1,308	205,925	588	4,266	272,465	672
Nevada	53,556	488	8,222	39,121	242	7,992	35,405	134
Pacific	997,455	6,830	110,293	1,754,644	14,110	119,580	2,293,613	14,664
Washington	67,199	325	7,592	340,829	1,602	14,801	496,304	2,514
Oregon	163,075	487	11,206	301,982	1,186	14,536	394,582	1,105
California	767,181	6,018	91,495	1,111,833	11,322	90,243	1,402,727	11,045

[1] Includes population specially enumerated in Indian Territory and on Indian reservations.
[2] Exclusive of Indians in Indian Territory and on Indian reservations, not enumerated at censuses prior to 1890.

Source: Bureau of the Census, Department of Commerce.

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RACE, BY STATES

part as white. See footnote 2, Table 7, for the estimated number of Mexicans included in the white of 1920

1900—Contd.	1910			1920			1930			Division and State
All other	White	Negro	All other	White	Negro	All other	White	Negro	All other	
351, 385	81, 731, 957	9, 827, 763	412, 546	94, 820, 915	10, 463, 131	426, 574	106, 864, 207	11, 891, 143	2, 019, 696	U. S.
5, 892	6, 480, 514	66, 308	5, 861	7, 316, 079	79, 051	5, 779	8, 065, 113	94, 086	7, 142	N. E.
921	739, 995	1, 363	1, 013	765, 695	1, 310	1, 009	795, 183	1, 096	1, 144	Me.
135	429, 906	564	102	442, 331	621	131	464, 350	790	153	N. H.
44	354, 298	1, 621	37	351, 817	572	39	358, 965	568	78	Vt.
3, 608	3, 324, 926	38, 055	3, 435	3, 803, 524	45, 466	3, 366	4, 192, 926	52, 365	4, 323	Mass.
414	532, 492	9, 529	589	593, 980	10, 036	381	677, 016	9, 913	568	R. I.
770	1, 096, 897	15, 174	685	1, 358, 732	21, 046	853	1, 576, 673	29, 354	876	Conn.
17, 895	18, 880, 452	417, 870	17, 570	21, 641, 840	600, 188	19, 191	25, 172, 104	1, 052, 899	35, 747	M. A.
12, 781	8, 966, 845	134, 191	12, 578	10, 172, 027	198, 483	14, 717	12, 150, 293	412, 814	24, 959	N. Y.
1, 508	2, 445, 894	89, 760	1, 513	3, 037, 087	117, 132	1, 681	3, 829, 209	208, 828	3, 297	N. J.
3, 606	7, 467, 713	193, 919	3, 479	8, 432, 726	284, 568	2, 723	9, 192, 602	431, 257	7, 491	Pa.
17, 686	17, 927, 632	300, 836	22, 163	20, 938, 862	514, 554	22, 127	24, 377, 663	930, 450	39, 072	E. N. C.
440	4, 654, 897	111, 452	772	5, 571, 893	186, 187	1, 314	6, 331, 136	309, 304	6, 257	Ohio.
455	2, 639, 961	60, 320	595	2, 849, 071	80, 810	509	3, 116, 136	111, 982	10, 385	Ind.
1, 599	5, 526, 962	109, 049	2, 580	6, 299, 333	182, 274	3, 673	7, 266, 361	328, 972	35, 321	Ill.
6, 603	2, 785, 247	17, 115	7, 811	3, 601, 627	60, 082	6, 703	4, 650, 171	169, 453	22, 701	Mich.
8, 589	2, 320, 555	2, 900	10, 405	2, 616, 938	5, 201	9, 928	2, 913, 859	10, 739	14, 408	Wis.
43, 697	11, 351, 621	242, 662	43, 638	12, 225, 387	278, 521	40, 341	13, 873, 487	331, 784	91, 644	W. N. C.
9, 399	2, 059, 227	7, 084	9, 397	2, 368, 936	8, 809	9, 380	2, 538, 973	9, 445	15, 535	Minn.
493	2, 209, 191	14, 973	607	2, 384, 181	19, 005	835	2, 448, 382	17, 380	5, 177	Iowa.
588	3, 134, 932	157, 452	951	3, 225, 044	178, 241	770	3, 398, 887	223, 840	6, 640	Mo.
7, 148	569, 855	617	6, 584	639, 954	467	6, 451	671, 243	377	9, 225	N. Dak.
20, 391	563, 771	317	19, 300	619, 147	832	16, 568	669, 453	646	22, 750	S. Dak.
3, 505	1, 180, 293	7, 689	4, 232	1, 279, 219	13, 242	3, 911	1, 353, 702	13, 752	10, 509	Nebr.
2, 173	1, 634, 352	54, 030	2, 567	1, 708, 906	57, 925	2, 426	1, 792, 847	66, 344	21, 808	Kans.
8, 405	8, 071, 603	4, 112, 488	10, 804	9, 648, 940	4, 325, 120	16, 212	11, 349, 284	4, 421, 388	22, 917	S. A.
61	171, 102	31, 181	39	192, 615	30, 335	53	205, 694	32, 602	84	Del.
556	1, 062, 639	232, 250	457	1, 204, 737	244, 479	445	1, 354, 170	276, 379	977	Md.
484	236, 128	94, 446	495	326, 860	109, 966	745	353, 914	132, 068	887	D. C.
607	1, 389, 809	671, 096	707	1, 617, 909	690, 017	1, 261	1, 776, 405	650, 165	1, 281	Va.
68	1, 156, 817	64, 173	129	1, 377, 235	86, 345	121	1, 613, 934	114, 893	378	W. Va.
5, 738	1, 500, 511	697, 843	7, 933	1, 783, 779	763, 407	11, 937	2, 234, 948	918, 647	16, 681	N. C.
188	679, 161	835, 843	396	818, 538	864, 719	467	944, 040	793, 681	1, 044	S. C.
224	1, 431, 802	1, 176, 987	332	1, 689, 114	1, 206, 365	353	1, 836, 974	1, 071, 125	407	Ga.
479	443, 634	308, 669	316	638, 153	329, 487	830	1, 035, 205	431, 828	1, 178	Fla.
3, 094	5, 754, 328	2, 852, 513	3, 062	6, 367, 547	2, 523, 532	2, 228	7, 294, 614	2, 658, 238	4, 362	E. S. C.
159	2, 027, 951	261, 656	298	2, 180, 560	235, 938	132	2, 388, 364	226, 040	185	Ky.
187	1, 711, 432	473, 088	269	1, 885, 993	451, 758	134	2, 138, 619	477, 646	291	Tenn.
238	1, 228, 832	908, 282	979	1, 447, 032	900, 652	490	1, 700, 775	944, 834	639	Ala.
2, 440	786, 111	1, 009, 487	1, 516	853, 962	935, 184	1, 472	996, 856	1, 009, 718	3, 247	Miss.
67, 159	6, 721, 491	1, 984, 426	78, 617	8, 115, 727	3, 063, 579	62, 918	9, 099, 981	2, 281, 951	794, 898	W. S. C.
128	1, 131, 026	442, 891	532	1, 279, 757	472, 220	227	1, 374, 906	478, 463	1, 113	Ark.
1, 209	941, 086	713, 874	1, 428	1, 096, 611	700, 257	1, 641	1, 318, 160	776, 326	7, 107	La.
64, 503	1, 444, 531	137, 612	75, 012	1, 821, 194	149, 408	57, 681	2, 123, 424	172, 198	100, 418	Okla.[3]
1, 319	3, 204, 848	690, 049	1, 645	3, 918, 165	741, 694	3, 369	4, 283, 491	854, 964	686, 260	Tex.
79, 212	2, 520, 455	21, 467	91, 595	3, 212, 899	30, 801	92, 401	3, 303, 586	30, 225	367, 978	Mt.
15, 523	360, 580	1, 834	13, 639	534, 260	1, 658	12, 971	517, 327	1, 256	19, 023	Mont.
6, 984	319, 221	651	5, 722	425, 668	920	5, 278	437, 562	668	6, 802	Idaho.
2, 540	140, 318	2, 235	3, 412	190, 146	1, 375	2, 881	214, 067	1, 250	10, 248	Wyo.
2, 084	783, 415	11, 453	4, 156	924, 103	11, 318	4, 206	961, 117	11, 828	62, 846	Colo.
13, 493	304, 594	1, 628	21, 079	334, 673	5, 733	19, 944	331, 755	2, 850	88, 712	N. Mex.
28, 180	171, 468	2, 009	30, 877	291, 449	8, 005	34, 708	264, 378	10, 749	160, 446	Ariz.
3, 612	366, 583	1, 144	5, 624	441, 901	1, 446	6, 049	495, 955	1, 108	10, 784	Utah.
6, 796	74, 276	513	7, 086	76, 699	346	6, 362	81, 425	516	9, 117	Nev.
108, 415	4, 023, 873	29, 195	139, 236	5, 353, 634	47, 790	165, 447	7, 498, 375	90, 122	605, 936	Pac.
19, 285	1, 109, 111	6, 058	26, 821	1, 319, 777	6, 883	29, 961	1, 521, 099	6, 840	35, 457	Wash.
17, 849	655, 090	1, 492	16, 183	769, 146	2, 144	12, 099	937, 029	2, 234	14, 523	Oreg.
71, 281	2, 259, 672	21, 645	96, 232	3, 264, 711	38, 763	123, 387	5, 040, 247	81, 048	555, 956	Calif.

[3] Includes population of Indian Territory for 1890 and 1900.

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No. 16.—RACE, NATIVITY,

NOTE.—Figures for 1920 for the native white of foreign parentage and of mixed parentage and for the foreign-

Division and State	Native white						Foreign-born white
	Native parentage		Foreign parentage		Mixed parentage		
	1920	1930	1920	1930	1920	1930	1920
Continental United States.	58, 421, 957	70, 136, 614	15, 694, 539	16, 999, 221	6, 991, 665	8, 361, 965	13, 712, 754
New England	2, 803, 149	3, 167, 082	1, 906, 340	2, 120, 423	735, 936	943, 298	1, 870, 654
Maine	495, 780	515, 243	86, 150	87, 094	76, 416	92, 478	107, 349
New Hampshire	225, 512	239, 438	81, 039	83, 791	44, 547	58, 461	91, 233
Vermont	228, 325	234, 090	42, 100	40, 771	36, 866	41, 043	44, 526
Massachusetts	1, 230, 773	1, 429, 784	1, 093, 258	1, 202, 191	401, 959	506, 315	1, 077, 534
Rhode Island	173, 553	210, 963	182, 660	207, 032	64, 268	88, 307	173, 499
Connecticut	449, 206	537, 564	421, 133	499, 544	111, 880	156, 694	376, 513
Middle Atlantic	9, 631, 012	11, 449, 898	5, 397, 951	6, 254, 301	1, 700, 302	2, 198, 863	4, 912, 575
New York	3, 668, 266	4, 473, 946	2, 844, 063	3, 351, 491	873, 566	1, 133, 307	2, 786, 112
New Jersey	1, 212, 675	1, 571, 528	829, 058	1, 044, 704	256, 741	368, 535	738, 613
Pennsylvania	4, 750, 071	5, 404, 424	1, 724, 810	1, 858, 106	569, 995	697, 021	1, 387, 850
East North Central	11, 790, 870	14, 500, 575	4, 043, 692	4, 370, 186	1, 881, 521	2, 182, 978	3, 223, 279
Ohio	3, 669, 122	4, 325, 311	838, 251	921, 783	385, 823	439, 891	678, 697
Indiana	2, 329, 544	2, 605, 744	227, 066	225, 153	141, 593	150, 105	150, 868
Illinois	3, 066, 563	3, 768, 990	1, 467, 036	1, 606, 599	558, 783	672, 614	1, 206, 951
Michigan	1, 670, 447	2, 364, 038	775, 288	917, 856	429, 257	528, 009	726, 635
Wisconsin	1, 054, 694	1, 436, 492	736, 051	698, 795	366, 065	392, 359	460, 128
West North Central	7, 475, 548	8, 547, 483	2, 126, 126	1, 946, 472	1, 251, 752	1, 330, 255	1, 371, 961
Minnesota	827, 627	1, 114, 316	708, 126	655, 750	347, 019	380, 613	486, 164
Iowa	1, 528, 553	1, 697, 538	376, 710	332, 051	253, 271	253, 058	225, 647
Missouri	2, 536, 936	2, 776, 338	300, 064	272, 240	202, 018	200, 919	186, 026
North Dakota	207, 966	256, 622	203, 973	193, 107	96, 512	116, 366	131, 503
South Dakota	308, 598	375, 378	141, 341	132, 497	86, 817	95, 930	82, 391
Nebraska	757, 064	873, 849	231, 948	216, 227	140, 555	148, 280	149, 652
Kansas	1, 308, 804	1, 453, 442	163, 964	144, 600	125, 560	125, 089	110, 578
South Atlantic	8, 779, 416	10, 412, 368	353, 643	394, 837	199, 961	247, 801	315, 930
Delaware	139, 876	155, 024	23, 288	23, 477	9, 641	10, 308	19, 810
Maryland	893, 088	1, 039, 796	143, 203	144, 418	66, 269	74, 863	102, 177
Dist. of Columbia	239, 488	262, 427	35, 129	36, 809	23, 695	24, 746	28, 548
Virginia	1, 534, 494	1, 692, 703	30, 514	28, 552	22, 116	25, 330	30, 785
West Virginia	1, 232, 857	1, 461, 544	56, 625	66, 854	25, 847	34, 016	61, 906
North Carolina	1, 765, 203	2, 208, 563	5, 737	7, 919	5, 740	9, 678	7, 099
South Carolina	799, 418	925, 439	7, 025	6, 477	5, 694	6, 858	6, 401
Georgia	1, 642, 697	1, 792, 499	16, 371	15, 215	13, 860	15, 343	16, 186
Florida	532, 295	874, 373	35, 751	55, 116	27, 099	46, 659	43, 008
East South Central	6, 092, 782	6, 971, 937	115, 484	103, 333	87, 342	91, 679	71, 939
Kentucky	2, 039, 134	2, 269, 540	65, 931	54, 320	44, 715	42, 664	30, 780
Tennessee	1, 832, 757	2, 087, 383	20, 423	19, 303	17, 335	18, 867	15, 478
Alabama	1, 394, 129	1, 646, 339	19, 591	19, 700	15, 650	19, 026	17, 662
Mississippi	826, 762	968, 675	9, 539	10, 010	9, 642	11, 122	8, 019
West South Central	6, 959, 785	8, 353, 280	415, 799	300, 278	280, 810	276, 191	459, 333
Arkansas	1, 226, 692	1, 329, 205	19, 030	16, 130	20, 060	19, 398	13, 975
Louisiana	941, 724	1, 172, 572	67, 016	61, 797	43, 000	48, 881	44, 871
Oklahoma	1, 679, 107	1, 994, 305	53, 063	48, 465	49, 036	53, 901	39, 968
Texas	3, 112, 262	3, 857, 198	276, 670	173, 886	168, 714	154, 011	360, 519
Mountain	2, 002, 508	2, 300, 255	451, 132	401, 071	306, 034	314, 346	453, 225
Montana	275, 803	283, 539	101, 918	94, 580	62, 919	66, 247	93, 620
Idaho	294, 252	320, 189	47, 920	42, 888	44, 533	44, 031	38, 963
Wyoming	122, 884	148, 381	25, 234	26, 439	16, 773	19, 589	25, 255
Colorado	603, 041	669, 106	130, 059	125, 631	74, 049	80, 974	116, 954
New Mexico	273, 317	302, 753	18, 865	10, 741	13, 414	10, 464	29, 077
Arizona	151, 145	210, 247	39, 534	18, 902	22, 671	19, 638	78, 099
Utah	245, 781	318, 470	75, 901	69, 525	63, 764	64, 188	56, 455
Nevada	36, 285	47, 570	11, 701	12, 365	7, 911	9, 215	14, 802
Pacific	2, 887, 387	4, 433, 736	884, 372	1, 118, 330	548, 007	786, 554	1, 033, 868
Washington	711, 706	873, 627	214, 618	229, 063	143, 398	174, 153	250, 055
Oregon	497, 726	629, 974	95, 827	108, 797	73, 442	92, 783	102, 151
California	1, 677, 955	2, 930, 135	573, 927	780, 460	331, 167	519, 618	681, 662

Source: Bureau of the Census, Department of Commerce.

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AND PARENTAGE, BY STATES

born white include Mexicans who were given a separate classification in 1920. See footnote 2, Table 7

Foreign-born white—Contd.	Negro		Mexican	Indian		Chinese		Japanese		Division and State
1930	1920	1930	1930	1920	1930	1920	1930	1920	1930	
13,366,407	10,463,131	11,891,143	1,422,533	244,437	332,397	61,639	74,954	111,010	138,834	U. S.
1,834,310	79,051	94,086	107	1,715	2,466	3,602	3,794	347	352	N. E.
100,368	1,310	1,096	2	839	1,012	161	115	7	3	Me.
82,660	621	790	1	28	64	95	84	8	----	N. H.
43,061	572	568	1	24	36	11	34	4	1	Vt.
1,054,636	45,466	52,365	66	555	874	2,544	2,973	191	201	Mass.
170,714	10,036	9,913	10	110	318	225	197	35	17	R. I.
382,871	21,046	29,354	27	159	162	566	391	102	130	Conn.
5,269,042	600,183	1,052,899	6,757	5,940	7,709	8,812	14,005	3,266	3,662	M. A.
3,191,549	198,483	412,814	2,898	5,503	6,973	5,793	9,665	2,686	2,930	N. Y.
844,442	117,132	208,828	454	100	213	1,190	1,783	325	439	N. J.
1,233,051	284,568	431,257	3,405	337	523	1,829	2,557	255	293	Pa.
3,223,994	514,554	930,450	58,317	15,695	19,817	5,043	6,340	927	1,022	E. N. C.
644,151	186,187	309,304	4,037	151	435	941	1,425	130	187	Ohio.
135,134	80,810	111,982	9,642	125	285	283	279	81	71	Ind.
1,218,158	182,274	328,972	28,906	194	469	2,776	3,192	472	564	Ill.
840,266	60,082	169,453	13,336	5,614	7,060	792	1,081	184	176	Mich.
386,213	5,201	10,739	2,396	9,611	11,548	251	363	60	24	Wis.
1,059,277	278,591	331,784	39,805	37,263	48,245	1,678	1,738	1,215	1,003	W. N. C.
388,294	8,809	9,445	3,626	8,761	11,077	508	524	85	69	Minn.
165,735	19,005	17,380	4,295	529	660	235	153	29	19	Iowa.
149,390	178,241	223,840	4,989	171	578	412	634	135	94	Mo.
105,148	467	377	608	6,254	8,387	124	103	72	91	N.Dak
65,648	832	646	816	16,384	21,833	142	70	38	19	S.Dak
115,346	13,242	13,752	6,321	2,888	3,256	189	194	804	674	Nebr.
69,716	57,925	66,344	19,150	2,276	2,454	68	60	52	37	Kans.
304,278	4,325,190	4,421,388	691	13,673	19,060	1,894	1,869	360	393	S. A.
16,885	30,335	32,602	24	2	5	43	38	8	8	Del.
95,093	244,479	276,379	56	32	50	371	492	29	38	Md.
29,932	109,966	132,068	67	37	40	461	398	103	78	D. C.
23,820	690,017	650,165	36	824	779	278	293	56	43	Va.
51,520	86,345	114,893	257	7	18	98	86	10	9	W.Va.
8,738	763,407	918,647	10	11,824	16,579	88	68	24	17	N. C.
5,266	864,719	793,681	9	304	959	93	41	15	15	S. C.
13,917	1,206,365	1,071,125	47	125	43	211	253	9	32	Ga.
59,057	329,487	431,528	185	518	587	181	200	106	153	Fla.
57,665	2,523,532	2,658,238	1,403	1,633	2,106	542	743	35	46	E. S. C.
21,840	235,938	226,040	88	57	22	62	60	9	9	Ky.
13,066	451,758	477,646	25	56	161	57	70	8	11	Tenn.
15,710	900,652	944,834	69	405	465	59	52	18	25	Ala.
7,049	935,184	1,009,718	1,221	1,105	1,458	364	561	----	1	Miss.
170,232	2,063,579	2,281,951	695,996	60,618	95,670	1,534	1,582	578	687	W. S. C.
10,173	472,220	478,463	409	106	408	113	251	5	12	Ark.
34,910	700,257	776,326	4,552	1,066	1,536	387	422	57	52	La.
26,753	149,408	172,198	7,354	57,337	92,725	261	206	67	104	Okla.
98,396	741,694	854,964	683,681	2,109	1,001	773	703	449	519	Tex.
287,914	30,801	30,225	949,314	76,899	102,083	4,339	3,252	10,792	11,418	Mt.
72,961	1,658	1,256	2,571	10,956	14,798	872	486	1,074	753	Mont.
30,454	920	668	1,278	3,098	3,638	585	335	1,569	1,421	Idaho.
19,658	1,375	1,250	7,174	1,343	1,845	252	130	1,194	1,026	Wyo.
85,406	11,318	11,828	57,676	1,383	1,395	291	233	2,464	3,213	Colo.
7,797	5,733	2,850	59,340	19,512	28,941	171	133	251	249	N.Mex
15,591	8,005	10,749	114,173	32,989	43,726	1,137	1,110	550	879	Ariz.
43,772	1,446	1,108	4,012	2,711	2,869	342	342	2,936	3,269	Utah.
12,275	346	516	3,090	4,907	4,871	689	483	754	608	Nev.
1,159,765	47,790	90,122	370,143	31,011	35,241	34,965	41,631	93,490	120,251	Pac.
244,256	6,883	6,840	562	9,061	11,253	2,363	2,195	17,387	17,837	Wash.
105,475	2,144	2,234	1,568	4,590	4,776	3,090	2,075	4,151	4,958	Oreg.
810,034	38,763	81,048	368,013	17,360	19,212	28,812	37,361	71,952	97,456	Calif.

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No. 17.—SEX DISTRIBUTION BY RACE

Division and State	Total population					1930			
	1920		1930			Native white			Foreign-born white
	Male	Female	Male	Female	Males per 100 females	Male	Female	Males per 100 females	Male
Continental United States.	53,900,431	51,810,189	62,137,080	60,637,966	102.5	48,010,146	47,487,655	101.1	7,153,709
New England	3,672,591	3,738,316	4,024,657	4,141,684	97.2	3,067,723	3,163,080	97.0	904,742
Maine	388,752	379,262	401,285	396,138	101.3	349,764	345,051	101.4	50,299
New Hampshire	222,112	220,971	231,759	233,534	99.2	189,967	191,723	99.1	41,160
Vermont	178,854	173,574	183,266	176,345	103.9	160,080	155,824	102.7	22,824
Massachusetts	1,890,014	1,962,342	2,071,672	2,177,942	95.1	1,532,751	1,605,539	95.5	509,462
Rhode Island	297,524	306,873	335,372	352,125	95.2	246,989	259,313	95.2	83,151
Connecticut	695,335	685,296	801,303	805,600	99.5	588,172	605,630	97.1	197,846
Middle Atlantic	11,206,445	11,054,699	13,188,681	13,072,069	100.9	9,879,094	10,023,368	98.6	2,761,740
New York	5,187,350	5,197,877	6,312,520	6,275,546	100.6	4,441,330	4,517,414	98.3	1,653,170
New Jersey	1,590,075	1,565,825	2,030,644	2,010,690	101.0	1,481,862	1,502,905	98.6	443,132
Pennsylvania	4,429,020	4,290,997	4,845,517	4,785,833	101.2	3,955,902	4,003,049	98.8	665,438
East North Central	11,035,041	10,440,502	12,904,783	12,392,402	104.1	10,605,117	10,448,622	101.5	1,766,458
Ohio	2,955,980	2,803,414	3,361,141	3,285,556	102.3	2,845,524	2,841,461	100.1	351,985
Indiana	1,489,074	1,441,316	1,640,061	1,598,442	102.6	1,498,772	1,482,230	101.1	76,957
Illinois	3,304,833	3,180,447	3,873,457	3,757,197	103.1	3,027,347	3,020,856	100.2	657,937
Michigan	1,928,436	1,739,976	2,519,309	2,323,016	108.4	1,951,137	1,858,766	105.0	464,902
Wisconsin	1,356,718	1,275,349	1,510,815	1,428,191	105.8	1,282,337	1,245,309	103.0	214,677
West North Central	6,459,067	6,065,189	6,785,442	6,511,473	104.2	5,976,171	5,838,039	102.4	591,084
Minnesota	1,245,537	1,141,588	1,316,571	1,247,382	105.5	1,085,126	1,065,553	101.8	217,983
Iowa	1,229,392	1,174,629	1,255,101	1,215,838	103.2	1,151,068	1,131,579	101.7	92,129
Missouri	1,723,319	1,680,736	1,822,866	1,806,501	100.9	1,625,545	1,623,952	100.1	81,299
North Dakota	341,673	305,199	359,615	321,230	111.9	294,141	271,954	108.2	60,378
South Dakota	337,120	299,427	363,650	329,199	110.5	313,906	289,899	108.3	37,665
Nebraska	672,805	623,567	706,348	671,615	105.2	630,013	608,343	103.6	63,386
Kansas	909,221	860,036	961,291	919,708	104.5	876,372	846,759	103.5	38,254
South Atlantic	7,035,843	6,954,429	7,880,634	7,912,955	99.6	5,541,147	5,502,859	100.7	170,300
Delaware	113,755	109,248	121,257	117,123	103.5	94,919	93,890	101.1	9,281
Maryland	729,455	720,206	821,009	810,517	101.3	629,427	629,650	100.0	50,266
District of Columbia	203,543	234,028	231,383	254,986	90.9	153,330	170,652	89.8	15,652
Virginia	1,168,492	1,140,695	1,216,046	1,205,805	100.8	879,949	866,636	101.5	13,701
West Virginia	763,100	700,601	888,871	839,334	106.0	795,879	766,535	103.8	32,864
North Carolina	1,279,062	1,280,061	1,575,208	1,595,068	98.8	1,115,181	1,110,979	100.4	5,089
South Carolina	838,293	845,431	853,158	885,607	96.3	470,192	468,582	100.3	3,120
Georgia	1,444,823	1,451,009	1,434,527	1,473,979	97.3	912,606	910,451	100.2	8,175
Florida	495,320	473,150	737,675	730,536	101.0	489,664	486,484	100.7	32,152
East South Central	4,471,690	4,421,617	4,947,503	4,939,712	100.2	2,610,047	2,558,902	101.5	33,359
Kentucky	1,227,494	1,189,136	1,322,793	1,291,796	102.4	1,196,873	1,169,651	102.3	12,292
Tennessee	1,173,967	1,163,918	1,304,559	1,311,997	99.4	1,064,404	1,061,149	100.3	7,394
Alabama	1,173,105	1,175,069	1,315,009	1,331,239	98.8	848,196	836,869	101.4	9,326
Mississippi	897,124	893,494	1,005,141	1,004,680	100.0	500,574	489,233	102.3	4,347
West South Central	5,265,329	4,976,395	6,186,924	5,889,906	103.3	4,555,245	4,374,504	104.1	97,320
Arkansas	895,228	856,976	939,843	914,639	102.8	696,255	668,478	104.2	6,006
Louisiana	903,335	895,174	1,047,323	1,053,770	99.4	644,305	638,945	100.8	20,376
Oklahoma	1,058,044	970,239	1,233,264	1,162,776	106.1	1,079,456	1,017,215	106.1	15,544
Texas	2,409,222	2,254,006	2,965,994	2,858,721	103.8	2,135,229	2,049,866	104.2	55,394
Mountain	1,789,299	1,546,802	1,949,798	1,751,991	111.3	1,566,710	1,443,963	108.1	189,997
Montana	299,941	248,948	293,228	244,378	120.0	236,894	207,472	114.2	44,899
Idaho	233,919	197,947	237,347	207,685	114.3	214,007	193,101	110.8	18,947
Wyoming	110,359	84,043	124,785	100,780	123.8	105,264	89,145	118.1	12,439
Colorado	492,731	446,398	530,752	505,039	105.1	443,117	432,594	102.4	48,004
New Mexico	190,456	169,894	219,222	204,095	107.4	166,993	156,965	106.4	4,755
Arizona	183,602	150,560	231,304	204,269	113.2	132,145	116,642	113.3	9,392
Utah	232,051	217,345	259,999	247,848	104.9	229,578	222,605	103.1	22,978
Nevada	46,240	31,167	53,161	37,897	140.3	38,712	30,438	127.2	8,583
Pacific	2,964,626	2,602,245	4,268,659	3,925,774	108.7	3,208,891	3,129,719	102.5	658,699
Washington	734,701	621,920	826,392	737,004	112.1	658,330	618,513	106.4	142,594
Oregon	416,334	367,055	499,672	454,114	110.0	427,154	404,400	105.6	62,078
California	1,813,591	1,613,270	2,942,595	2,734,656	107.6	2,123,407	2,106,806	100.8	454,027

Source: Bureau of the Census, Department of Commerce.

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AND NATIVITY, BY STATES

1930—Continued

Foreign-born white—Contd.		Negro			Mexican		Indian		Chinese		Japanese		Division and State
Female	Males per 100 females	Male	Female	Males per 100 females	Male	Female	Male	Female	Male	Female	Male	Female	
6,212,698	115.1	5,855,669	6,035,474	97.0	758,674	663,859	170,350	162,047	59,802	15,152	81,771	57,063	U. S.
929,568	97.3	46,963	47,123	99.7	69	38	1,273	1,193	6,233	661	277	75	N. E.
50,069	100.5	597	499	119.6	-------	2	518	494	93	22	2	1	Me.
41,500	99.2	524	266	197.0	-------	1	33	31	71	13	-------	-------	N. H.
20,237	112.8	310	258	120.2	-------	1	20	16	29	5	1	-------	Vt.
545,174	93.4	26,097	26,268	99.3	43	23	458	416	2,530	443	151	50	Mass.
87,563	95.0	4,862	5,051	96.3	6	4	154	164	170	27	15	2	R. I.
185,025	106.9	14,573	14,781	98.6	20	7	90	72	340	51	108	22	Conn.
2,507,302	110.1	520,328	532,073	97.9	4,550	2,207	4,012	3,697	12,503	1,502	2,740	992	M. A.
1,538,379	107.5	199,485	213,329	93.5	1,879	1,019	3,584	3,389	8,649	1,016	2,201	729	N. Y.
401,310	110.4	102,929	105,899	97.2	295	159	123	90	1,608	175	322	117	N. J.
567,613	117.2	218,412	212,845	102.6	2,376	1,029	305	218	2,246	311	217	76	Pa.
1,457,466	121.2	475,368	455,082	104.5	37,907	20,410	10,446	9,371	5,421	919	755	267	E. N. C.
292,166	120.5	159,128	150,176	106.0	2,806	1,231	252	183	1,168	257	131	56	Ohio.
58,177	132.3	57,068	54,914	103.9	6,708	2,934	158	127	247	32	53	18	Ind.
560,221	117.4	164,425	164,547	99.9	18,216	10,690	250	219	2,796	396	414	150	Ill.
375,366	123.9	88,936	80,517	110.5	8,529	4,807	3,835	3,245	902	179	138	38	Mich.
171,536	125.1	5,811	4,928	117.9	1,648	748	5,951	5,597	308	55	19	5	Wis.
468,183	126.8	167,550	164,234	102.0	32,935	16,880	24,848	23,397	1,481	307	662	341	W. N. C.
170,311	128.0	5,005	4,440	112.7	2,069	1,557	5,691	5,386	422	102	51	18	Minn.
73,606	125.2	8,987	8,393	107.1	2,380	1,915	349	311	126	27	16	3	Iowa.
68,091	119.4	111,929	111,911	100.0	2,834	2,155	336	242	521	113	80	14	Mo.
44,770	134.9	243	134	181.3	376	232	4,293	4,094	93	10	60	31	N.Dak.
27,983	134.6	343	303	113.2	481	335	11,172	10,661	64	6	11	8	S.Dak.
51,960	122.0	7,063	6,689	105.6	3,585	2,736	1,674	1,582	152	42	414	260	Nebr.
31,462	121.6	33,980	32,364	105.0	11,200	7,950	1,333	1,121	53	7	30	7	Kans.
133,978	127.1	2,156,531	2,264,857	95.2	425	266	9,657	9,403	1,477	392	273	115	S. A.
7,604	122.1	16,983	15,619	108.7	24	-------	3	2	32	6	8	-------	Del.
44,827	112.1	140,506	135,873	103.4	38	18	34	16	389	103	27	11	Md.
14,280	109.6	62,225	69,843	89.1	41	26	17	23	305	93	50	28	D. C.
10,119	135.4	321,545	328,620	97.8	20	16	436	343	239	54	37	6	Va.
18,656	176.2	60,873	54,020	112.7	155	102	15	3	74	12	6	3	W. Va.
3,699	137.6	446,500	472,147	94.6	8	2	8,353	8,226	59	9	11	6	N. C.
2,146	145.4	379,300	414,381	91.5	4	5	474	485	38	3	11	4	S. C.
5,742	142.4	513,451	557,674	92.1	38	9	26	17	181	72	23	9	Ga.
26,905	119.5	215,148	216,690	99.3	97	88	299	288	160	40	105	48	Fla.
24,306	137.2	1,301,552	1,356,686	95.9	790	613	1,072	1,034	589	154	32	14	E. S. C.
9,548	128.7	113,501	112,539	100.9	53	35	16	6	47	13	7	2	Ky.
5,672	130.4	232,569	245,077	94.9	16	9	85	76	60	10	8	3	Tenn.
6,384	146.1	457,144	487,690	93.7	27	42	228	237	44	8	16	9	Ala.
2,702	160.9	498,338	511,380	97.4	694	527	743	715	438	123	1	-------	Miss.
72,912	133.5	1,125,508	1,156,448	97.3	358,151	37,845	48,270	47,400	1,237	345	432	255	W. S. C.
4,167	144.1	236,909	241,554	98.1	248	161	210	198	186	65	9	3	Ark.
14,534	140.2	379,173	397,153	95.5	2,392	2,160	800	736	327	95	33	19	La.
11,209	138.7	86,818	85,380	101.7	4,434	2,920	46,744	45,981	178	28	67	37	Okla.
43,002	128.8	422,608	432,356	97.7	351,077	332,604	516	485	546	157	323	196	Tex.
117,917	144.2	16,312	13,913	117.2	132,905	115,409	52,534	49,549	2,675	577	7,036	4,382	Mt.
28,062	160.0	710	546	130.0	1,766	805	7,364	7,134	427	59	510	243	Mont.
11,507	164.7	395	273	144.7	907	371	1,833	1,805	295	40	847	574	Idaho.
7,219	172.3	699	551	126.9	4,582	2,592	982	863	113	17	645	381	Wyo.
37,402	128.3	5,739	6,089	94.3	30,824	26,852	748	647	195	38	1,847	1,366	Colo.
3,042	156.3	1,531	1,319	116.1	30,775	28,565	14,864	14,077	108	25	157	92	N.Mex.
6,199	151.5	6,352	4,397	144.5	59,102	55,071	22,471	21,255	845	265	532	347	Ariz.
20,794	110.5	609	499	122.0	2,728	1,284	1,516	1,353	282	60	2,056	1,213	Utah.
3,692	232.5	277	239	115.9	2,221	869	2,456	2,415	410	73	442	166	Nev.
501,068	131.5	45,059	45,063	100.0	200,952	169,191	18,238	17,003	31,236	10,395	69,559	50,692	Pac.
101,662	140.3	3,797	3,043	124.8	477	85	5,778	5,475	1,723	472	10,200	7,637	Wash.
43,397	143.0	1,210	1,024	118.2	1,247	321	2,442	2,334	1,525	550	2,919	2,039	Oreg.
356,007	127.5	40,052	40,996	97.7	199,228	168,785	10,018	9,194	27,988	9,373	56,440	41,016	Calif.

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No. 18.—RACE, NATIVITY, AND PARENTAGE: PERCENTAGES, BY STATES

NOTE.—Percentages, particularly in some States, are affected by the change in classification of Mexicans. See footnote 2, Table 7

Division and State	Per cent of total population						Per cent of white population						
	White			Negro			Native, 1930				Foreign born		
	1910	1920	1930	1910	1920	1930	Total	Native parentage	Foreign parentage	Mixed parentage	1910	1920	1930
Continental United States	88.9	89.7	88.7	10.7	9.9	9.7	87.7	64.4	15.6	7.7	16.3	14.5	12.3
New England	98.9	98.9	98.8	1.0	1.1	1.2	77.3	39.3	26.3	11.7	28.0	25.6	22.7
Maine	99.7	99.7	99.7	.2	.2	.1	87.4	64.8	11.0	11.6	14.9	14.0	12.6
New Hampshire	99.8	99.8	99.8	.1	.1	.2	82.2	51.6	18.0	12.6	22.5	20.6	17.8
Vermont	99.5	99.8	99.8	.5	.2	.2	88.0	65.2	11.4	11.4	14.1	12.7	12.0
Massachusetts	98.8	98.7	98.7	1.1	1.2	1.2	74.8	34.1	28.7	12.1	31.6	28.3	25.2
Rhode Island	98.1	98.3	98.5	1.8	1.7	1.4	74.8	31.2	30.6	13.0	33.4	29.2	25.2
Connecticut	98.6	98.4	98.1	1.4	1.5	1.8	75.7	34.1	31.7	9.9	29.9	27.7	24.3
Middle Atlantic	97.7	97.2	95.9	2.2	2.7	4.0	79.1	45.5	24.8	8.7	25.6	23.7	20.9
New York	98.4	97.9	96.5	1.5	1.9	3.3	73.7	36.8	27.6	9.3	30.4	27.4	26.3
New Jersey	96.4	96.2	94.8	3.5	3.7	5.2	77.9	41.0	27.3	9.6	26.9	24.3	22.1
Pennsylvania	97.4	96.7	95.4	2.5	3.3	4.5	86.6	58.8	20.2	7.6	19.3	16.5	13.4
East North Central	98.2	97.5	96.0	1.6	2.4	3.7	86.7	59.7	18.0	9.0	17.1	15.4	13.3
Ohio	97.6	96.7	95.3	2.3	3.2	4.7	89.8	68.3	14.6	6.9	12.8	12.2	10.2
Indiana	97.7	97.2	96.2	2.2	2.8	3.5	95.7	83.6	7.2	4.8	6.0	5.3	4.3
Illinois	98.0	97.1	95.2	1.9	2.8	4.3	79.3	51.9	22.1	9.3	21.8	19.2	16.8
Michigan	99.1	98.2	96.0	.6	1.6	3.5	81.9	50.8	19.7	11.4	21.4	20.2	18.1
Wisconsin	99.4	99.4	99.1	.1	.2	.4	86.7	49.3	24.0	13.5	22.1	17.6	13.3
West North Central	97.5	97.5	96.8	2.1	2.2	2.5	91.8	66.4	15.1	10.3	14.2	11.2	8.2
Minnesota	99.2	99.2	99.0	.3	.4	.4	84.7	43.9	25.8	15.0	26.4	20.5	15.3
Iowa	99.3	99.2	99.1	.7	.8	.7	93.2	69.3	13.6	10.3	12.4	9.5	6.8
Missouri	95.2	94.7	93.6	4.8	5.2	6.2	95.6	81.7	8.0	5.9	7.3	5.8	4.4
North Dakota	98.8	98.9	98.6	.1	.1	.1	84.3	38.2	28.8	17.3	27.4	20.5	15.7
South Dakota	96.6	97.3	96.6	.1	.1	.1	90.2	56.1	19.8	14.3	17.8	13.3	9.8
Nebraska	99.0	98.7	98.2	.6	1.0	1.0	91.5	64.6	16.0	11.0	14.9	11.7	8.5
Kansas	96.7	96.6	95.3	3.2	3.3	3.5	96.1	81.1	8.1	7.0	8.3	6.5	3.9
South Atlantic	66.2	69.0	71.9	33.7	30.9	28.0	97.3	91.7	3.4	2.2	3.6	3.3	2.7
Delaware	84.6	86.4	86.3	15.4	13.6	13.7	91.8	75.4	11.4	5.0	10.2	10.3	8.2
Maryland	82.0	83.1	83.0	17.9	16.9	16.9	93.0	76.8	10.7	5.5	9.8	8.5	7.0
Dist. of Columbia	71.3	74.7	72.7	28.5	25.1	27.1	91.5	74.1	10.4	7.0	10.3	8.7	8.5
Virginia	67.4	70.1	73.1	32.6	29.9	26.8	98.7	95.6	1.6	1.4	1.9	1.9	1.3
West Virginia	94.7	94.1	93.3	5.3	5.9	6.6	96.8	90.6	4.1	2.1	4.9	4.5	3.2
North Carolina	68.0	69.7	70.5	31.6	29.8	29.0	99.6	98.8	.4	.4	.4	.4	.4
South Carolina	44.8	48.6	54.3	55.2	51.4	45.6	99.4	98.0	.7	.7	.9	.8	.6
Georgia	54.9	58.3	63.2	45.1	41.7	36.8	99.2	97.6	.8	.8	1.1	1.0	.8
Florida	58.9	65.9	70.5	41.0	34.0	29.4	94.3	84.5	5.3	4.5	7.6	6.7	5.7
East South Central	68.4	71.6	73.1	31.5	28.4	26.9	99.2	96.5	1.4	1.3	1.5	1.1	.8
Kentucky	88.6	90.2	91.3	11.4	9.8	8.6	99.1	95.0	2.3	1.8	2.0	1.4	.9
Tennessee	78.3	80.7	81.7	21.7	19.3	18.3	99.4	97.6	.9	.9	1.1	.8	.6
Alabama	57.5	61.6	64.3	42.5	38.4	35.7	99.1	96.8	1.2	1.1	1.5	1.2	.9
Mississippi	43.7	47.7	49.6	56.2	52.2	50.2	99.3	97.2	1.0	1.1	1.2	.9	.7
West South Central	76.5	79.2	74.7	22.6	20.1	18.7	98.1	91.8	3.3	3.0	5.2	5.7	1.9
Arkansas	71.8	73.0	74.1	28.1	27.0	25.8	99.3	96.7	1.2	1.4	1.5	1.1	.7
Louisiana	56.8	61.0	62.7	43.1	38.9	36.9	97.4	89.0	4.7	3.7	5.5	4.1	2.6
Oklahoma	87.2	89.8	88.6	8.3	7.4	7.2	98.7	93.9	2.3	2.5	2.8	2.2	1.3
Texas	82.2	84.0	73.5	17.7	15.9	14.7	97.7	90.0	4.1	3.6	7.5	9.2	2.3
Mountain	95.7	96.3	89.2	.8	.9	.8	91.3	69.6	12.1	9.5	17.3	14.1	8.7
Montana	95.9	97.3	96.2	.5	.3	.2	85.9	54.8	18.3	12.8	25.4	17.5	14.1
Idaho	98.0	98.6	98.3	.2	.2	.2	93.0	73.2	9.8	10.1	12.7	9.2	7.0
Wyoming	96.1	97.8	94.9	1.5	.7	.6	90.8	69.3	12.4	9.2	19.3	13.3	9.2
Colorado	98.0	98.3	92.8	1.4	1.2	1.1	91.1	69.6	13.1	8.4	16.2	12.7	8.9
New Mexico	93.1	92.9	78.4	.5	1.6	.7	97.6	91.3	3.2	3.2	7.4	8.7	2.4
Arizona	83.9	87.2	60.7	1.0	2.4	2.5	94.1	79.5	7.1	7.4	27.3	26.8	5.9
Utah	98.2	98.3	97.7	.3	.3	.2	91.2	64.2	14.0	12.9	17.3	12.8	8.8
Nevada	90.7	91.3	89.4	.6	.4	.6	84.9	58.4	15.2	11.3	24.2	20.9	15.1
Pacific	96.0	96.2	91.5	.7	.9	1.1	84.5	59.1	14.9	10.5	21.4	19.3	15.5
Washington	97.1	97.3	97.3	.5	.5	.4	83.9	57.4	15.1	11.4	21.7	18.9	16.1
Oregon	97.4	98.2	98.2	.2	.3	.2	88.7	67.2	11.6	9.9	15.7	13.3	11.3
California	95.0	95.3	88.8	.9	1.1	1.4	83.9	58.1	15.5	10.3	22.9	20.9	16.1

Source: Bureau of the Census, Department of Commerce.

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No. 19.—FOREIGN-BORN POPULATION, ALL RACES, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

Country of birth	Number						Per cent of increase[1]	
	1880	1890	1900	1910	1920	1930	1910–1920	1920–1930
Total foreign born	6,679,943	9,249,560	10,341,276	13,515,886	13,920,692	14,204,149	3.0	2.0
Europe	5,744,311	8,020,608	8,871,780	11,791,841	11,882,053	11,748,399	0.8	−1.1
Northwestern Europe	3,494,484	4,380,752	4,202,683	4,239,067	3,830,094	3,728,050	−9.8	−2.7
England	664,160	909,092	840,513	877,719	813,853	809,563	−7.3	−0.5
Scotland	170,136	242,231	233,524	261,076	254,570	354,323	−2.5	39.2
Wales	83,302	100,079	93,586	82,488	67,066	60,205	−18.7	−10.2
Northern Ireland	1,854,571	1,871,509	1,615,459	1,352,251	1,037,234	178,832	−23.3	−11.0
Irish Free State						744,810		
Norway	181,729	322,665	336,388	403,877	363,863	347,852	−9.9	−4.4
Sweden	194,337	478,041	582,014	665,207	625,585	595,250	−6.0	−4.8
Denmark and Iceland[2]	64,196	132,543	153,690	181,649	189,154	182,238	4.1	−3.7
Netherlands	58,090	81,828	94,931	120,063	131,766	133,133	9.7	−1.0
Belgium[2]	15,535	22,639	29,757	49,400	62,687	64,194	26.9	2.4
Luxemburg	12,836	2,882	3,031	3,071	12,585	9,048	309.8	−28.1
Switzerland	88,621	104,069	115,593	124,848	118,659	113,010	−5.0	−4.8
France[2]	106,971	113,174	104,197	117,418	153,072	135,592	30.4	−11.4
Central and Eastern Europe	2,187,776	3,490,629	4,136,646	6,094,041	6,134,845	5,897,799	1.8	−3.9
Germany[3]	1,966,742	2,784,894	2,663,418	[3] 2,311,237	1,686,108	1,608,814	−27.0	−4.6
Poland[3]	48,557	147,440	383,407	[3] 937,884	1,139,979	1,268,583	21.5	11.3
Czechoslovakia[4]					362,438	491,638		35.6
Austria[3]	124,024	241,377	432,798	[3] 845,555	575,627	370,914	−31.9	−35.6
Hungary[3]	11,526	62,435	145,714	495,609	397,283	274,450	−19.8	−30.9
Yugoslavia[4]					169,439	211,416		24.8
Serbia[5]				4,639				
Montenegro[5]				5,374				
Russia and Lithuania	35,722	182,644	423,726	[3] 1,184,412	1,535,563	1,347,234	29.6	−10.7
Latvia and Estonia						24,223		
Finland			62,641	129,680	149,824	142,478	15.5	−4.9
Rumania[3]			15,032	65,923	102,823	146,393	56.0	42.4
Bulgaria[3]				11,498	10,477	9,399	−8.9	−10.3
Turkey in Europe[3]	[6] 1,205	[6] 1,839	[6] 9,910	[7] 32,230	5,284	2,257	−83.6	−57.3
Southern Europe	58,265	206,648	530,200	1,525,875	1,911,213	2,108,295	25.3	10.2
Greece[3]	776	1,887	8,515	101,282	175,976	174,526	73.7	−0.8
Albania				(7)	5,608	8,814		57.2
Italy[2]	44,230	182,580	484,027	1,343,125	1,610,113	1,790,429	19.9	11.2
Spain	5,121	6,185	7,050	22,108	49,535	59,362	124.1	19.8
Portugal	8,138	15,996	30,608	59,360	69,981	73,164	17.9	4.5
Other Europe	3,786	12,578	2,251	2,858	5,901	16,255	106.5	175.5
Asia	107,630	113,396	120,248	191,484	237,950	275,685	24.3	15.8
Armenia, Palestine, Syria, and Turkey in Asia	(8)	(8)	(8)	59,729	102,751	142,184	72.0	38.4
China	104,468	106,701	81,534	56,756	43,560	46,129	−23.3	5.9
Japan	401	2,292	24,788	67,744	81,502	70,993	20.3	−12.9
India	1,707	2,143	2,031	4,664	4,901	5,850	5.1	19.4
Other Asia	1,054	2,260	11,895	2,591	5,236	10,509	102.1	100.7
America	807,230	1,088,245	1,317,380	1,489,231	1,727,017	2,102,209	16.0	21.7
Canada and Newfoundland[8]	717,157	980,938	1,179,922	1,209,717	1,138,174	1,310,369	−5.9	15.1
Canada—								
French[8]		302,496	395,126	385,063	307,786	370,852	−20.1	20.5
Other[8]		678,442	784,796	819,554	817,139	915,537	−0.3	12.0
Newfoundland[8]				5,080	13,249	23,980	160.8	81.0
West Indies	16,401	23,256	[9] 25,435	[9] 47,635	[9] 78,962	106,241	65.8	34.5
Mexico	68,399	77,853	103,393	221,915	486,418	641,462	119.2	31.9
Central and South America	5,273	6,198	8,630	9,964	23,463	44,137	135.5	88.1
All other	20,772	27,311	31,868	43,330	73,672	77,876	70.0	5.7

[1] A minus sign (−) denotes decrease.
[2] Boundaries changed between 1910 and 1920. Statistics for 1910 relate to pre-war boundaries.
[3] Persons reported in 1910 as of Polish mother tongue born in Germany (190,096), Austria (329,418), and Russia (418,370) have been deducted from the respective countries and combined as Poland for comparison with number reported in 1920 as born in Poland. Though Poland before 1919 was divided among Russia, Germany, and Austria, the censuses of 1880 to 1900 listed it as a country of birth.
[4] Created since 1910.
[5] Included as part of Yugoslavia in 1920 and 1930.
[6] Turkey in Asia included with Turkey in Europe prior to 1910.
[7] Albania included with Turkey in Europe in 1910 and earlier years.
[8] Newfoundland included with Canada prior to 1910.
[9] Except possessions of the United States.

Source: Bureau of the Census, Department of Commerce.

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No. 20.—FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH, CONTINENTAL UNITED STATES

NOTE.—For estimates of the total white population, 1920, by countries of origin, see Table 97

Country of birth	1920 Number	1920 Per cent	1930 Number	1930 Per cent
Total	**13,712,754**	**100.0**	**13,366,407**	**100.0**
Europe	**11,877,991**	**86.6**	**11,740,121**	**87.8**
Northwestern Europe	**3,828,876**	**27.9**	**3,724,035**	**27.9**
England	812,828	5.9	808,672	6.1
Scotland	254,567	1.9	354,323	2.7
Wales	67,066	.5	60,205	.5
Northern Ireland	1,037,233	7.6	178,832	1.3
Irish Free State			744,810	5.6
Norway	363,862	2.7	347,852	2.6
Sweden	625,580	4.6	595,250	4.5
Denmark	[1] 189,154	[1] 1.4	179,474	1.3
Netherlands	131,766	1.0	133,133	1.0
Belgium	62,686	.5	64,194	.5
Luxemburg	12,585	.1	9,048	.1
Switzerland	118,659	.9	113,010	.8
France	152,890	1.1	135,232	1.0
Central Europe	**4,330,860**	**31.6**	**4,295,815**	**31.6**
Germany	1,686,102	12.3	1,608,814	12.0
Poland	1,139,978	8.3	1,268,563	9.5
Czechoslovakia	362,436	2.6	491,638	3.7
Austria	575,625	4.2	370,914	2.8
Hungary	397,282	2.9	274,450	2.1
Yugoslavia	169,437	1.2	211,416	1.6
Eastern Europe	**1,903,965**	**13.9**	**1,671,980**	**12.5**
Russia			1,153,624	8.6
Latvia	1,400,489	10.2	20,673	.2
Estonia			3,550	[2]
Lithuania	135,068	1.0	193,606	1.4
Finland	149,824	1.1	142,478	1.1
Rumania	102,823	.7	146,393	1.1
E. Europe—Contd.				
Bulgaria	10,477	0.1	9,399	0.1
Turkey in Europe	5,284	[2]	2,257	[2]
Southern Europe	**1,908,389**	**13.9**	**2,093,296**	**15.7**
Greece	175,972	1.3	174,526	1.3
Italy	1,610,109	11.7	1,790,424	13.4
Spain	49,247	.4	58,302	.4
Portugal	67,453	.5	69,974	.5
Other Europe	**11,509**	**.1**	**25,065**	**.2**
Asia	**110,450**	**.8**	**157,580**	**1.2**
Turkey in Asia	11,014	.1	46,651	.3
Armenia	36,626	.3	32,166	.2
Palestine and Syria	55,102	.4	63,362	.5
Other Asia	7,708	.1	15,401	.1
America	**1,656,801**	**12.1**	**1,395,070**	**10.4**
Canada—French	307,786	2.2	370,852	2.8
Other	810,092	5.9	907,569	6.8
Newfoundland	13,242	.1	23,971	.2
Mexico	[3] 478,383	3.5	23,743	.2
Cuba	26,369	.2	15,944	.1
Other West Indies [4]			15,482	.1
Central and South America	20,929	.2	37,509	.3
Other countries	**67,512**	**.5**	**73,636**	**.6**
Australia	10,801	.1	12,720	.1
Iceland	[1]	[1]	2,764	[2]
Azores			35,427	.3
Other Atlantic islands	38,984	.3	4,052	[2]
All other	17,727	.1	18,673	.1

[1] Iceland included with Denmark.
[2] Less than one-tenth of 1 per cent.
[3] Made up largely of persons who would have been classified as Mexicans in 1930. See note 2, Table 7.
[4] Except possessions of the United States.

No. 21.—URBAN AND RURAL FOREIGN-BORN WHITE POPULATION, BY COUNTRY OF BIRTH: CONTINENTAL UNITED STATES

Country of birth	Urban	Rural	Per cent urban
Total	10,726,859	2,639,548	80.3
Europe	**9,438,606**	**2,301,515**	**80.4**
Northwestern Europe	**2,821,291**	**902,644**	**75.8**
England	641,200	167,472	79.3
Scotland	295,541	58,782	83.4
Wales	45,968	14,237	76.4
Northern Ireland	150,782	28,050	84.3
Irish Free State	671,727	73,083	90.2
Norway	194,936	152,916	56.0
Sweden	408,032	187,218	68.5
Denmark	107,127	72,347	59.7
Netherlands	80,466	52,667	60.4
Belgium	47,136	17,058	73.4
Luxemburg	5,693	3,355	62.9
Switzerland	67,918	45,092	60.1
France	104,865	30,367	77.5
Central Europe	**3,312,950**	**912,865**	**78.4**
Germany	1,176,950	431,864	73.2
Poland	1,096,114	172,469	86.4
Czechoslovakia	348,261	143,377	70.8
Austria	308,482	62,432	83.2
Hungary	228,642	45,808	83.3
Yugoslavia	154,501	56,915	73.1
Eastern Europe	**1,451,825**	**220,155**	**86.8**
Russia	1,041,173	112,451	90.3
Lithuania	168,090	25,516	86.8
Latvia	18,744	1,929	90.7
Estonia	2,982	568	84.0
Finland	79,867	62,611	56.1
Rumania	131,465	14,928	89.8
Bulgaria	7,346	2,053	78.2
Turkey in Europe	2,158	99	95.6
Southern Europe	**1,830,701**	**262,525**	**87.5**
Greece	159,376	15,150	91.3
Italy	1,573,003	217,421	87.9
Spain	46,181	12,121	79.2
Portugal	52,141	17,833	74.5
Other Europe	**21,739**	**3,326**	**86.7**
Asia	**142,889**	**14,691**	**90.7**
Turkey in Asia	43,272	3,379	92.8
Armenia	28,829	3,337	89.6
Palestine and Syria	57,357	6,005	90.5
Other Asia	13,431	1,970	87.2
America	**1,092,248**	**302,824**	**78.3**
Canada—French	292,564	78,288	78.9
Other	696,174	211,395	76.7
Newfoundland	22,021	1,950	91.9
Mexico	18,596	5,147	78.3
Cuba	15,128	816	94.9
Other West Indies [1]	13,960	1,522	90.2
Cen. and S. America	33,803	3,706	90.1
Other countries	**53,118**	**20,518**	**72.1**
Australia	10,208	2,512	80.3
Iceland	1,348	1,416	48.8
Azores	23,382	12,045	66.0
Other Atlantic islands	3,427	625	84.6
All other	14,753	3,920	79.0

[1] Except possessions of the United States.

Source of Tables 20 and 21: Bureau of the Census, Department of Commerce.

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No. 22.—MOTHER TONGUE OF THE FOREIGN-BORN WHITE POPULATION: CONTINENTAL UNITED STATES

NOTE.—Figures for 1920 have been adjusted by deducting from the total, and from Spanish mother tongue, the estimated number of persons who would have been classified as Mexicans in 1930.

Mother tongue	Number		Per cent distribution		Per cent of increase, 1920–1930 [1]	Male		Female	
	1920	1930	1920	1930		1920	1930	1920	1930
Total	13,255,394	13,366,407	100.0	100.0	0.8	7,269,191	7,153,709	5,986,203	6,212,698
English and Celtic	3,007,932	3,097,021	22.7	23.2	3.0	1,454,967	1,483,363	1,552,965	1,613,658
Germanic:									
German	2,267,128	2,188,006	17.1	16.4	−3.5	1,209,610	1,153,415	1,057,518	1,034,591
Dutch	130,540	133,142	1.0	1.0	−2.5	78,243	77,409	58,297	55,733
Flemish	45,696	42,263	.3	.3	−7.5	26,620	23,707	19,076	18,556
Scandinavian:									
Swedish	643,203	615,465	4.9	4.6	−4.3	354,830	344,403	288,373	271,062
Norwegian	362,199	345,522	2.7	2.6	−4.6	201,778	195,131	160,421	150,391
Danish	187,162	178,944	1.4	1.3	−4.4	113,150	109,550	74,012	69,394
Icelandic	2,369	2,714	------	------	14.6	1,161	1,339	1,208	1,375
Latin and Greek:									
Italian	1,624,998	1,808,289	12.3	13.5	11.3	967,394	1,053,056	657,604	755,233
French	466,956	523,297	3.5	3.9	12.1	240,400	262,446	226,556	260,851
Spanish	98,751	126,288	.7	.9	27.9	65,864	80,358	32,887	45,930
Portuguese	105,895	110,197	.8	.8	4.1	60,279	64,306	45,616	45,891
Rumanian	62,336	56,964	.5	.4	−8.6	38,841	33,111	23,495	23,853
Greek	174,658	189,066	1.3	1.4	8.2	142,477	138,780	32,181	50,286
Slavic and Lettic:									
Polish	1,077,392	965,899	8.1	7.2	−10.3	614,876	524,243	462,516	441,656
Czech	234,564	201,138	1.8	1.5	−14.3	121,482	101,425	113,082	99,713
Slovak	274,948	240,196	2.1	1.8	−12.6	160,617	129,357	114,331	110,839
Russian	392,049	315,721	3.0	2.4	−19.5	232,168	181,215	159,881	134,506
Ruthenian	55,672	9,800	.4	.1	23.0	33,254	5,350	22,418	4,450
Ukrainian		58,685		.4			32,312		26,373
Slovenian	[2] 80,437	77,671	.6	.6	−3.4	50,781	46,989	29,656	30,682
Croatian	85,175	79,802	.6	.6	−6.3	61,424	51,668	23,751	28,134
Serbian	40,669	30,121	.3	.2	−25.9	29,086	21,076	11,583	9,045
Bulgarian	12,853	12,128	.1	.1	−5.6	11,828	9,676	1,025	2,452
Wendish	[3] 2,039	1,372	------	------	−32.7	1,061	672	978	700
Lithuanian	182,227	165,053	1.4	1.2	−5.3	112,557	96,164	69,670	68,889
Lettish		7,590		.1			4,383		3,207
Unclassified:									
Yiddish	1,091,820	1,222,658	8.2	9.1	12.0	570,030	621,809	521,790	600,849
Magyar	[2] 290,419	250,393	2.2	1.9	−13.8	161,140	129,775	129,279	120,618
Finnish	132,543	124,994	1.0	.9	−5.7	75,588	67,796	56,955	57,198
Estonian	1,024	2,809	------	------	174.3	742	1,920	282	889
Armenian	37,047	51,741	.3	.4	37.4	26,023	30,295	11,624	21,446
Arabic	57,557	67,830	.4	.5	17.8	35,492	39,978	22,065	27,852
Turkish	6,627	10,457	------	.1	57.8	5,253	6,911	1,374	3,546
Albanian	5,515	7,586	------	.1	37.6	4,818	5,604	697	1,982
All other	1,228	3,352	------	------	173.0	909	2,369	319	983
Unknown	7,166	42,233	.1	.3	489.4	4,448	22,348	2,718	19,885

[1] A minus sign (−) denotes a decrease.
[2] Corrected figures.
[3] Reported as Slavic, not specified in 1920 but practically all Wendish.

Source: Bureau of the Census, Department of Commerce.

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No. 23.—FOREIGN-BORN WHITES BY

Division and State	Total foreign-born white	Northwestern Europe									
		United Kingdom				Irish Free State	Norway	Sweden	Denmark	Netherlands	Belgium
		England	Scotland	Wales	Northern Ireland						
Continental United States	13,366,407	808,672	354,323	60,205	178,832	744,810	347,852	595,250	179,474	133,133	64,194
New England	1,834,310	135,490	54,226	2,834	33,527	193,113	8,860	66,023	7,625	2,814	3,884
Maine	100,368	4,463	1,906	137	827	3,288	534	1,882	840	41	51
New Hampshire	82,660	3,922	1,728	72	1,010	4,807	396	1,608	166	163	523
Vermont	43,061	1,929	1,454	462	377	1,429	127	1,089	140	34	22
Massachusetts	1,054,636	78,418	32,724	1,358	20,378	138,366	5,454	36,810	3,070	1,890	1,956
Rhode Island	170,714	24,696	6,401	224	3,845	13,895	543	6,181	280	138	907
Connecticut	382,871	22,062	10,013	581	7,090	31,328	1,806	18,453	3,129	548	425
Middle Atlantic	5,269,042	276,133	137,861	26,336	92,559	361,502	55,697	91,045	26,978	30,960	12,692
New York	3,191,549	146,485	67,623	7,037	41,521	251,704	44,882	61,233	17,407	14,909	6,144
New Jersey	844,442	51,629	34,721	1,532	15,750	47,486	7,870	13,360	6,665	14,762	2,874
Pennsylvania	1,233,051	78,019	35,517	17,767	35,288	62,312	2,945	16,452	2,906	1,289	3,674
East North Central	3,223,924	170,013	84,579	14,585	23,322	93,881	74,228	165,785	42,397	57,443	33,053
Ohio	644,151	40,665	17,862	6,897	5,028	17,879	1,650	7,390	2,184	2,235	1,846
Indiana	135,134	7,465	3,898	934	1,045	3,931	730	4,666	964	1,992	3,254
Illinois	1,218,158	50,685	24,839	3,277	10,054	57,208	30,256	111,016	18,945	14,828	11,564
Michigan	840,268	62,721	35,257	2,236	6,138	11,390	7,201	23,905	7,210	32,128	13,931
Wisconsin	386,213	8,477	2,723	1,241	1,057	3,473	34,391	18,808	13,094	6,260	2,458
West North Central	1,059,277	38,641	13,035	3,882	6,750	23,983	131,904	147,988	50,193	20,582	5,590
Minnesota	388,294	8,445	3,241	582	1,403	5,095	71,562	90,623	13,831	4,332	1,701
Iowa	165,735	9,045	2,871	1,183	1,778	4,179	12,932	16,810	14,698	10,135	932
Missouri	149,390	7,919	2,419	573	1,308	8,561	575	3,895	1,497	706	859
North Dakota	105,148	1,592	891	111	329	863	31,337	8,470	2,936	658	238
South Dakota	65,648	2,159	612	265	351	862	13,061	6,540	5,296	3,068	239
Nebraska	115,346	4,213	1,223	383	801	2,502	1,691	14,335	10,210	620	523
Kansas	69,716	5,268	1,778	785	780	1,921	746	7,315	1,723	513	1,098
South Atlantic	304,278	25,673	8,859	1,797	3,637	12,163	2,591	4,940	2,339	1,624	1,397
Delaware	16,885	1,302	562	45	900	1,364	141	294	99	56	29
Maryland	95,093	5,067	1,920	477	813	4,032	703	764	464	343	152
Dist. of Columbia	29,932	2,835	884	116	493	3,026	228	435	229	151	92
Virginia	23,820	3,088	1,239	132	375	789	318	467	339	264	101
West Virginia	51,520	3,282	1,267	607	222	659	57	303	75	42	690
North Carolina	8,788	1,208	477	35	63	253	95	160	65	201	19
South Carolina	5,266	479	179	13	90	185	65	106	39	24	52
Georgia	13,917	1,328	534	83	147	546	125	266	108	67	45
Florida	59,057	7,084	1,797	289	534	1,309	859	2,145	921	476	217
East South Central	57,665	5,059	1,941	377	567	2,758	447	1,246	476	295	184
Kentucky	21,840	1,478	524	114	191	1,056	46	170	72	112	59
Tennessee	13,066	1,351	433	104	160	491	68	232	123	56	28
Alabama	15,710	1,760	860	141	162	413	265	638	182	95	60
Mississippi	7,049	470	124	18	54	198	68	206	99	32	37
West South Central	170,232	11,193	3,241	612	1,212	4,921	2,292	5,534	2,319	1,044	1,009
Arkansas	10,173	800	229	51	100	354	72	249	138	80	78
Louisiana	34,910	1,512	435	66	234	970	487	433	315	220	307
Oklahoma	26,753	2,099	866	235	262	690	243	835	516	166	217
Texas	98,396	6,782	1,711	260	616	2,907	1,490	4,017	1,350	578	407
Mountain	287,914	33,070	10,934	3,385	3,173	10,252	15,350	25,839	13,246	5,038	1,343
Montana	72,961	6,020	2,721	580	1,095	3,950	8,991	5,655	2,541	1,253	509
Idaho	30,454	3,252	1,025	355	284	616	2,148	4,200	1,667	341	118
Wyoming	19,658	2,105	1,424	222	179	584	647	1,783	775	101	139
Colorado	85,406	6,891	2,877	1,061	900	3,184	1,261	8,328	2,374	810	390
New Mexico	7,797	648	354	99	91	218	119	263	101	64	34
Arizona	15,591	2,309	579	139	235	653	295	778	364	100	50
Utah	43,772	10,851	1,669	862	234	584	1,698	4,389	4,883	2,325	79
Nevada	12,275	994	285	67	155	463	191	443	541	44	24
Pacific	1,159,765	113,400	39,647	6,397	14,085	42,237	56,483	86,850	33,901	13,383	5,042
Washington	244,256	20,304	8,024	1,694	2,154	4,942	31,429	34,084	7,175	3,484	1,242
Oregon	105,475	8,077	3,820	592	1,039	2,802	7,450	11,032	3,551	1,002	681
California	810,034	85,019	27,803	4,111	10,892	34,493	17,604	41,734	23,175	8,897	3,119

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COUNTRY OF BIRTH, BY STATES, 1930

Northwestern Europe—Continued			Central Europe						Eastern Europe			Division and State
Luxemburg	Switzerland	France	Germany	Poland	Czechoslovakia	Austria	Hungary	Yugoslavia	Russia	Lithuania	Latvia	
9,048	113,010	135,232	1,608,814	1,268,583	491,638	370,914	274,450	211,416	1,153,624	193,606	20,673	U. S.
76	3,541	11,723	50,005	136,774	16,024	11,946	11,107	1,334	103,310	41,753	2,906	N. E.
5	51	314	818	1,706	241	230	30	16	1,880	1,121	92	Me.
2	82	299	1,517	4,101	132	174	47	36	1,427	1,084	46	N. H.
1	158	182	577	1,562	191	132	156	71	660	160	21	Vt.
31	1,272	6,026	20,538	71,442	2,966	4,266	905	305	67,684	25,219	2,315	Mass.
11	204	2,013	3,090	8,696	274	838	133	24	5,890	922	93	R. I.
26	1,774	2,889	23,465	49,267	12,220	6,306	9,836	882	25,769	13,247	339	Conn.
867	30,985	52,449	572,571	619,628	199,705	216,000	136,753	54,662	659,250	69,882	9,052	M. A.
532	16,571	32,145	349,196	350,383	56,176	142,298	70,631	10,917	481,306	22,933	5,971	N. Y.
117	8,765	10,520	112,753	102,573	32,358	24,010	32,332	3,643	62,152	9,870	1,194	N. J.
218	5,649	9,784	110,622	166,672	111,171	49,692	33,790	40,102	115,792	37,079	1,887	Pa.
3,976	27,066	24,101	524,437	416,569	190,709	83,600	100,773	102,437	175,168	67,872	4,451	E. N. C.
163	7,624	5,746	95,697	64,493	68,738	20,547	47,026	38,884	32,627	7,581	721	Ohio.
56	1,624	2,160	28,152	17,482	8,325	2,709	7,674	6,646	4,749	2,109	116	Ind.
2,786	7,315	10,155	190,605	173,007	76,420	33,336	20,395	28,173	87,026	44,733	2,609	Ill.
375	2,834	4,581	81,714	119,228	17,646	13,299	19,188	16,468	34,348	9,340	674	Mich.
596	7,669	1,459	128,269	42,359	19,580	12,709	6,490	12,266	16,418	4,109	331	Wis.
2,874	11,660	7,329	228,951	34,419	46,005	22,924	7,295	17,049	83,728	3,837	684	W. N. C.
1,032	2,041	1,246	59,993	15,015	11,415	7,288	1,681	8,888	11,902	1,283	255	Minn.
873	2,096	1,435	53,901	1,875	8,280	1,596	295	1,306	4,482	835	66	Iowa.
54	3,578	2,353	42,276	8,324	4,495	7,928	3,484	2,753	15,689	805	167	Mo.
202	369	237	10,114	2,128	1,869	1,407	898	336	22,617	121	33	N.Dak.
380	618	229	12,739	717	2,589	678	231	223	9,023	46	7	S.Dak.
204	1,364	558	32,544	4,445	14,313	1,863	372	762	11,234	589	145	Nebr.
129	1,594	1,271	17,384	1,915	3,044	2,164	334	2,781	8,781	158	11	Kans.
85	2,248	3,950	38,225	26,239	8,309	7,578	6,737	3,065	35,870	5,681	1,384	S. A.
------	75	147	1,459	2,954	159	435	157	7	1,450	90	29	Del.
19	497	773	18,925	12,027	3,344	2,634	1,219	275	18,782	3,422	624	Md.
8	360	707	3,411	1,562	193	493	228	55	4,914	256	142	D. C.
3	191	365	2,505	1,221	927	492	560	67	2,989	400	261	Va.
11	398	546	3,129	5,545	2,831	2,254	3,683	2,440	2,209	1,009	71	W.Va.
4	87	156	903	319	50	146	70	9	758	121	31	N.C.
1	26	76	747	510	52	74	32	13	556	60	49	S. C.
------	114	278	1,682	1,156	115	225	136	39	2,200	155	115	Ga.
39	500	902	5,464	945	638	825	652	160	2,012	168	62	Fla.
19	1,561	1,462	12,188	2,711	878	1,239	1,093	550	5,023	424	182	E. S. C.
4	915	583	7,552	899	194	484	557	201	1,629	186	40	Ky.
3	443	217	1,783	960	131	223	208	25	1,803	106	66	Tenn.
7	150	466	2,114	556	483	386	284	135	1,067	88	49	Ala.
5	53	196	739	296	70	146	44	189	524	44	27	Miss.
93	2,681	5,698	38,411	6,800	14,885	4,590	1,241	1,141	10,856	580	247	W. S. C.
7	518	254	2,989	394	404	293	67	118	401	52	10	Ark.
10	260	2,935	3,616	655	332	467	361	397	1,375	31	23	La.
31	493	717	5,893	1,162	1,867	530	191	162	3,613	189	74	Okla.
45	1,410	1,792	25,913	4,589	12,282	3,300	622	464	5,467	308	140	Tex.
236	5,593	4,071	28,731	5,125	5,018	6,002	1,572	12,133	20,865	614	135	Mt.
108	901	653	6,155	1,144	1,714	1,435	360	3,877	4,212	175	19	Mont.
41	1,038	381	3,427	227	541	399	106	489	1,153	18	4	Idaho.
7	250	359	1,714	604	521	457	175	1,322	1,375	35	6	Wyo.
51	1,202	1,072	9,988	2,488	1,714	2,468	690	3,650	12,979	262	61	Colo.
5	117	259	936	97	143	316	59	490	219	24	4	N.Mex.
12	279	303	1,433	253	178	341	94	784	463	58	18	Ariz.
9	1,419	261	4,104	230	119	410	72	989	342	36	15	Utah.
3	387	783	974	82	88	176	16	532	122	6	8	Nev.
822	27,675	24,449	115,295	20,318	10,105	18,035	7,879	19,045	59,554	2,963	1,632	Pac.
263	3,578	1,986	20,542	3,942	2,202	3,128	579	4,761	9,229	868	276	Wash.
122	4,034	1,144	12,913	2,086	1,691	1,664	404	1,541	6,278	319	167	Oreg.
437	20,063	21,319	81,840	14,290	6,212	13,243	6,896	12,743	44,047	1,776	1,189	Calif.

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No. 23.—Foreign-Born Whites by Country

Division and State	Eastern Europe—Continued					Southern Europe				Other Europe[1]	Asia	
	Estonia	Finland	Rumania	Bulgaria	Turkey in Europe	Greece	Italy	Spain	Portugal		Armenia	Palestine and Syria
Continental United States.	**3,550**	**142,478**	**146,393**	**9,399**	**2,257**	**174,526**	**1,790,494**	**58,302**	**69,974**	**25,065**	**32,166**	**63,362**
New England	**182**	**18,503**	**3,424**	**238**	**311**	**25,423**	**253,068**	**2,363**	**35,674**	**4,643**	**10,687**	**11,504**
Maine	4	1,406	27	5	16	748	2,359	40	78	261	134	486
New Hampshire	3	1,386	35	15	7	3,233	1,938	20	247	204	151	413
Vermont	5	555	15	4	------	225	3,082	478	46	9	14	274
Massachusetts	89	13,077	1,689	116	217	16,780	126,103	798	24,840	3,116	7,705	7,403
Rhode Island	10	448	480	48	38	1,100	32,493	110	8,118	282	1,909	1,249
Connecticut	71	1,631	1,178	50	33	3,337	87,123	917	2,345	771	774	1,679
Middle Atlantic	**1,949**	**22,290**	**73,826**	**1,544**	**1,043**	**51,053**	**1,046,159**	**25,517**	**10,052**	**8,604**	**8,412**	**21,484**
New York	1,505	17,444	51,014	978	849	33,387	629,322	17,695	5,106	4,595	4,874	13,024
New Jersey	234	2,721	6,686	124	77	6,020	190,858	4,982	3,655	1,040	1,947	2,939
Pennsylvania	210	2,125	15,126	442	117	11,646	225,979	2,840	1,291	2,969	1,591	5,521
East North Central	**401**	**42,946**	**48,871**	**4,914**	**424**	**49,101**	**244,504**	**4,563**	**546**	**7,500**	**5,927**	**12,598**
Ohio	81	5,633	19,580	1,686	96	12,050	71,496	1,556	185	1,562	468	4,496
Indiana	10	265	3,292	403	11	4,087	6,873	597	88	362	127	733
Illinois	127	4,302	13,172	1,037	99	20,003	110,449	1,030	102	1,449	1,635	1,551
Michigan	123	27,022	11,482	1,594	201	10,061	43,087	1,324	131	3,757	3,322	5,219
Wisconsin	60	5,724	1,345	194	17	2,900	12,599	56	40	370	375	549
West North Central	**58**	**26,328**	**9,012**	**692**	**34**	**8,018**	**31,653**	**659**	**32**	**1,032**	**267**	**3,294**
Minnesota	30	24,360	2,819	238	7	1,765	6,401	42	5	138	60	705
Iowa	4	70	284	159	2	1,910	3,834	22	1	69	68	580
Missouri	9	100	2,321	151	19	2,405	15,204	460	14	547	86	389
North Dakota	7	873	2,518	39	------	303	102	8	1	27	22	239
South Dakota	3	825	410	46	3	279	305	7	1	25	3	233
Nebraska	3	48	336	30	3	822	3,642	18	4	140	24	395
Kansas	2	52	324	29	------	534	2,165	102	6	86	4	253
South Atlantic	**119**	**1,191**	**2,743**	**218**	**106**	**11,449**	**39,512**	**6,277**	**393**	**762**	**323**	**4,818**
Delaware	11	50	91	2	4	339	3,769	121	7	33	3	7
Maryland	39	376	811	16	6	1,617	10,872	281	33	185	30	133
Dist. of Columbia	2	69	160	16	25	1,347	4,330	148	23	85	68	305
Virginia	9	68	172	9	23	1,285	1,853	111	57	104	133	569
West Virginia	6	144	667	121	12	2,479	12,088	1,372	49	172	16	1,317
North Carolina	4	9	33	7	6	1,006	438	21	9	37	2	701
South Carolina	2	38	21	1	6	627	188	19	3	30	------	413
Georgia	6	104	143	8	12	1,197	712	79	90	46	23	411
Florida	40	333	645	38	12	1,552	5,262	4,125	122	70	48	962
East South Central	**12**	**154**	**464**	**43**	**22**	**2,304**	**7,288**	**213**	**39**	**259**	**32**	**1,801**
Kentucky	------	27	202	20	14	466	1,589	97	26	75	8	447
Tennessee	------	24	98	3	3	528	1,946	17	3	93	13	133
Alabama	11	51	133	16	5	968	2,140	68	7	55	8	508
Mississippi	1	52	31	4	------	342	1,613	31	3	36	3	713
West South Central	**53**	**297**	**847**	**220**	**37**	**3,331**	**22,185**	**1,437**	**104**	**607**	**53**	**3,821**
Arkansas	2	10	36	33	2	312	952	7	1	31	4	227
Louisiana	23	82	127	29	12	574	13,526	666	52	135	15	954
Oklahoma	------	25	140	109	------	642	1,157	50	12	71	10	838
Texas	28	180	544	49	23	1,803	6,550	714	39	370	24	1,802
Mountain	**84**	**5,765**	**1,435**	**640**	**20**	**6,716**	**23,774**	**3,490**	**294**	**259**	**193**	**1,207**
Montana	29	2,700	641	197	1	840	2,840	67	14	67	43	166
Idaho	9	858	110	29	1	414	1,153	1,086	18	12	14	45
Wyoming	10	633	55	68	2	888	1,653	119	23	18	24	49
Colorado	13	563	450	271	9	1,230	10,670	210	15	77	35	281
New Mexico	6	41	20	11	------	292	1,259	152	4	14	2	193
Arizona	12	300	75	18	2	356	822	473	21	24	14	299
Utah	3	507	64	37	5	2,197	2,814	274	8	36	37	151
Nevada	2	163	20	9	------	499	2,563	1,099	121	8	24	23
Pacific	**692**	**25,004**	**6,771**	**890**	**260**	**17,131**	**122,251**	**13,793**	**22,910**	**1,402**	**6,272**	**2,835**
Washington	149	11,002	787	247	76	2,881	10,274	280	114	219	113	294
Oregon	107	5,507	843	174	17	1,575	4,728	497	101	61	47	198
California	436	8,495	5,141	469	167	12,675	107,249	13,016	22,695	1,122	6,112	2,343

[1] Comprises Albania, Danzig, and "Europe, not specified."
[2] Comprises Hedjaz, India, China, Japan, and "Asia, not specified."
Source: Bureau of the Census, Department of Commerce.

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OF BIRTH, BY STATES 1930—Continued

Asia—Con.		America							Other countries			All other[4]	Division and State
		Canada											
Turkey in Asia	Other Asia[2]	French	Other	Newfoundland	Mexico	Cuba	Other West Indies[3]	Central and South America	Australia	Azores	Iceland		
46,651	15,401	370,852	907,569	23,971	23,743	15,944	15,482	37,509	12,720	35,427	2,764	22,725	U. S.
8,348	1,294	264,261	252,760	12,533	145	350	1,037	2,460	597	22,272	73	3,335	N. E.
131	35	36,947	36,796	204	4	11	45	31	20	5	2	100	Me.
259	22	37,682	13,277	228	4	16	19	34	20	34	.....	71	N. H.
17	16	17,320	9,862	101	9	8	8	30	14	3	1	31	Vt.
6,124	460	115,241	172,810	10,986	85	198	602	1,390	369	18,562	61	2,422	Mass.
1,084	92	31,501	7,777	256	12	14	128	352	56	3,561	2	296	R. I.
733	669	25,570	12,238	758	31	103	235	623	118	107	7	315	Conn.
21,183	4,409	33,336	147,411	8,046	3,551	7,099	9,884	20,149	2,626	198	166	6,484	M. A.
16,673	3,163	28,955	118,919	6,374	2,744	6,058	8,372	16,032	1,659	138	114	4,551	N. Y.
2,353	579	2,470	14,051	932	288	552	1,023	2,415	428	50	48	1,034	N. J.
2,157	667	1,911	14,441	740	519	489	489	1,702	539	10	4	899	Pa.
8,593	4,362	42,308	252,217	1,725	2,905	689	571	3,310	1,684	22	227	3,571	E. N. C.
1,826	614	2,606	24,241	217	309	189	119	683	307	2	6	660	Ohio.
297	288	682	5,519	69	218	30	22	148	98	3	3	178	Ind.
2,048	2,411	6,189	37,400	386	1,430	287	207	1,483	709	7	123	1,290	Ill.
3,564	936	28,539	173,777	975	760	151	196	774	445	8	32	976	Mich.
858	113	4,292	11,230	78	188	32	27	222	125	2	63	467	Wis.
507	500	10,531	52,323	185	1,064	124	157	711	470	5	1,045	1,323	W. N. C.
83	159	6,484	20,618	48	115	13	14	114	86	2	266	368	Minn.
67	76	608	5,725	42	176	10	31	83	81	1	9	220	Iowa.
240	96	588	4,824	38	359	66	78	247	146	.....	10	275	Mo.
38	28	1,354	10,887	11	32	4	2	46	25	.....	724	102	N.Dak
28	24	492	2,859	8	14	1	7	16	18	.....	15	91	S.Dak.
28	62	436	3,942	34	212	6	9	68	47	1	19	123	Nebr.
23	55	569	3,468	4	156	24	16	137	67	1	2	144	Kans.
1,547	574	2,055	15,384	301	377	6,672	2,439	1,304	400	24	33	866	S. A.
21	8	61	399	8	14	17	26	84	8	.....	1	47	Del.
180	68	291	1,975	61	40	105	121	279	86	3	13	196	Md.
198	64	223	1,458	33	61	80	49	231	43	2	6	88	D. C.
230	90	157	1,460	27	24	48	43	114	53	.....	7	81	Va.
389	79	118	839	15	101	27	8	96	40	1	.....	54	W. Va.
108	61	80	850	26	11	24	14	30	22	1	1	57	N. C.
93	34	31	247	7	6	15	15	12	4	1	.....	25	S. C.
185	37	109	985	20	21	69	32	70	30	4	.....	60	Ga.
163	133	985	7,171	104	99	6,287	2,131	388	114	12	5	258	Fla.
157	105	347	2,763	46	138	100	180	262	87	.....	4	165	E. S. C.
48	33	96	822	21	24	22	12	36	29	.....	.....	60	Ky.
30	26	92	847	12	27	21	16	56	27	.....	1	36	Tenn.
62	26	117	785	11	43	46	130	92	19	.....	3	45	Ala.
17	20	42	309	2	44	11	22	78	12	.....	.....	24	Miss.
443	267	994	7,326	125	4,455	382	327	1,443	276	11	13	573	W. S. C.
18	7	77	618	39	37	5	7	29	19	.....	.....	42	Ark.
117	48	222	759	18	557	229	130	1,023	45	.....	1	125	La.
45	51	243	1,876	15	169	15	21	71	46	3	1	92	Okla.
268	161	452	4,073	53	3,692	133	169	320	166	8	11	314	Tex.
298	267	3,678	23,302	134	2,284	70	104	513	616	153	137	839	Mt.
79	47	1,966	8,787	33	88	3	19	65	71	5	16	109	Mont.
11	17	571	3,931	41	68	3	4	30	53	27	12	107	Idaho.
13	22	118	1,018	3	67	2	13	19	13	1	1	42	Wyo.
78	73	572	5,244	27	336	28	33	213	114	1	1	161	Colo.
8	17	62	551	6	390	7	3	50	19	1	.....	29	N.Mex
29	53	158	1,860	15	1,086	19	21	58	85	2	4	67	Ariz.
34	22	97	1,093	5	177	3	4	38	215	.....	97	274	Utah.
46	16	134	818	4	72	5	7	40	46	116	6	50	Nev.
5,570	3,623	13,342	154,083	876	8,324	458	783	7,357	5,964	12,742	1,066	5,669	Pac.
646	408	4,340	43,724	250	115	20	57	350	583	15	741	685	Wash.
154	149	1,345	16,571	67	61	11	32	151	273	27	49	321	Oreg.
4,770	3,066	7,657	93,788	559	8,648	427	694	6,856	5,108	12,700	276	4,663	Calif.

[2] Except possessions of the United States.

[4] Comprises Africa, Pacific Islands, Cape Verde islands, and other Atlantic islands, "Country not specified," and "At sea."

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No. 24.—PERSONS 21 YEARS OF AGE AND OVER, BY CLASSES AND

Division and State	Persons 21 years of age and over						
	All classes			Native white			
				Total		Native parentage	
	Total	Male	Female	Male	Female	Male	Female
Continental United States.	**72, 943, 624**	**37, 056, 757**	**35, 886, 867**	**26, 418, 580**	**26, 343, 811**	**19, 257, 937**	**18, 858, 829**
New England	5, 095, 074	2, 481, 494	2, 613, 580	1, 596, 613	1, 712, 944	882, 269	920, 380
Maine	487, 125	244, 320	242, 805	197, 844	197, 046	153, 689	151, 979
New Hampshire	294, 055	145, 551	148, 504	106, 610	109, 812	71, 515	72, 236
Vermont	220, 428	112, 374	108, 054	92, 231	90, 440	68, 922	66, 947
Massachusetts	2, 686, 487	1, 287, 970	1, 398, 517	787, 645	868, 395	384, 681	414, 903
Rhode Island	421, 197	202, 029	219, 168	120, 480	133, 911	54, 159	57, 644
Connecticut	985, 782	489, 250	496, 532	291, 803	313, 340	149, 303	156, 671
Middle Atlantic	16, 311, 742	8, 189, 533	8, 122, 209	5, 204, 385	5, 423, 526	3, 217, 491	3, 279, 158
New York	8, 142, 851	4, 078, 340	4, 064, 511	2, 366, 659	2, 480, 405	1, 284, 253	1, 306, 156
New Jersey	2, 512, 112	1, 261, 298	1, 250, 814	773, 669	807, 451	442, 163	450, 191
Pennsylvania	5, 656, 779	2, 849, 895	2, 806, 884	2, 064, 557	2, 135, 670	1, 491, 075	1, 522, 811
East North Central	15, 685, 265	8, 057, 827	7, 627, 438	6, 013, 332	5, 948, 338	4, 032, 748	3, 899, 207
Ohio	4, 132, 251	2, 095, 788	2, 036, 463	1, 651, 202	1, 667, 026	1, 261, 525	1, 247, 068
Indiana	2, 003, 019	1, 016, 313	986, 706	898, 602	894, 572	769, 727	760, 552
Illinois	4, 841, 768	2, 469, 993	2, 371, 775	1, 707, 070	1, 723, 009	1, 038, 559	1, 014, 262
Michigan	2, 939, 409	1, 558, 021	1, 381, 388	1, 055, 413	983, 707	648, 349	581, 925
Wisconsin	1, 768, 818	917, 712	851, 106	701, 045	680, 024	314, 588	295, 400
West North Central	8, 000, 433	4, 104, 361	3, 896, 072	3, 386, 937	3, 315, 275	2, 229, 203	2, 161, 565
Minnesota	1, 537, 983	797, 960	740, 023	577, 121	568, 332	227, 425	215, 765
Iowa	1, 506, 129	765, 863	740, 266	668, 248	662, 364	443, 975	435, 426
Missouri	2, 269, 657	1, 137, 503	1, 132, 154	980, 255	991, 121	802, 602	797, 097
North Dakota	358, 182	196, 028	162, 154	134, 564	116, 807	47, 998	40, 420
South Dakota	385, 808	207, 413	178, 395	164, 395	145, 621	83, 978	73, 135
Nebraska	812, 450	419, 139	393, 311	349, 159	336, 300	216, 777	207, 300
Kansas	1, 130, 224	580, 455	549, 769	513, 197	494, 730	406, 448	392, 422
South Atlantic	8, 415, 339	4, 183, 568	4, 231, 771	2, 941, 028	2, 964, 483	2, 758, 634	2, 768, 881
Delaware	148, 792	76, 058	72, 734	56, 450	56, 235	48, 222	47, 452
Maryland	996, 928	500, 549	496, 379	366, 686	374, 862	300, 548	302, 820
District of Columbia	341, 465	160, 809	180, 656	103, 713	120, 223	84, 181	96, 690
Virginia	1, 300, 893	650, 357	650, 536	474, 388	473, 819	456, 862	457, 435
West Virginia	900, 987	471, 779	429, 208	402, 416	382, 477	381, 014	361, 021
North Carolina	1, 542, 125	758, 445	783, 680	549, 843	558, 366	544, 681	552, 915
South Carolina	819, 384	395, 234	424, 150	232, 780	237, 315	228, 570	232, 943
Georgia	1, 498, 567	731, 490	767, 077	474, 735	482, 159	464, 741	471, 645
Florida	866, 198	438, 847	427, 351	280, 017	279, 027	249, 815	245, 960
East South Central	5, 220, 526	2, 602, 304	2, 618, 222	1, 884, 478	1, 876, 167	1, 814, 288	1, 797, 376
Kentucky	1, 422, 434	718, 286	704, 148	635, 197	625, 417	597, 498	581, 238
Tennessee	1, 418, 144	701, 194	716, 950	562, 170	571, 321	548, 620	556, 542
Alabama	1, 348, 401	666, 742	681, 659	427, 670	425, 358	415, 719	413, 584
Mississippi	1, 031, 547	516, 082	515, 465	259, 441	254, 071	252, 451	247, 012
West South Central	6, 611, 094	3, 391, 930	3, 219, 164	2, 487, 846	2, 353, 497	2, 278, 937	2, 149, 292
Arkansas	968, 231	494, 949	473, 282	359, 862	340, 696	346, 077	328, 216
Louisiana	1, 134, 852	566, 908	567, 944	341, 731	340, 854	306, 530	299, 897
Oklahoma	1, 287, 131	673, 398	613, 733	586, 864	535, 781	546, 316	499, 358
Texas	3, 220, 880	1, 656, 675	1, 564, 205	1, 199, 389	1, 136, 166	1, 080, 004	1, 021, 821
Mountain	2, 106, 221	1, 142, 751	965, 470	866, 977	788, 230	628, 341	548, 309
Montana	318, 611	181, 494	137, 117	131, 757	106, 511	80, 613	62, 638
Idaho	246, 770	136, 212	110, 558	115, 088	98, 072	83, 006	70, 667
Wyoming	132, 954	77, 205	55, 749	60, 648	46, 890	45, 294	33, 901
Colorado	623, 523	323, 224	300, 299	255, 941	248, 348	191, 146	182, 227
New Mexico	216, 956	115, 667	101, 289	88, 476	79, 217	81, 708	72, 707
Arizona	244, 115	134, 401	109, 714	79, 927	66, 763	66, 128	54, 440
Utah	264, 498	136, 960	127, 538	110, 074	105, 789	63, 541	60, 242
Nevada	60, 794	37, 588	23, 206	25, 066	17, 640	16, 915	11, 487
Pacific	5, 495, 930	2, 903, 999	2, 592, 941	2, 036, 494	1, 980, 351	1, 416, 036	1, 334, 661
Washington	1, 010, 167	545, 410	464, 757	394, 969	362, 415	264, 735	236, 039
Oregon	621, 375	331, 805	289, 570	265, 741	246, 006	196, 171	177, 399
California	3, 864, 388	2, 025, 774	1, 838, 614	1, 375, 774	1, 371, 930	955, 130	921, 223

Source: Bureau of the Census, Department of Commerce.

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SEX, AND MALES 18 TO 44 YEARS OF AGE: BY STATES, 1930

Persons 21 years of age and over—Continued								Males 18 to 44 years of age	Division and State
Native white—Con.		Foreign-born white		Negro		All other			
Foreign or mixed parentage		Male	Female	Male	Female	Male	Female		
Male	Female								
7,160,643	7,484,982	6,797,494	5,840,149	3,235,441	3,296,498	605,242	406,409	25,839,207	U. S.
714,344	792,564	851,225	870,489	29,595	29,175	4,061	972	1,622,346	N. E.
44,155	45,067	45,712	45,179	391	322	373	258	145,948	Me.
35,095	37,576	38,457	38,512	409	157	75	23	86,164	N. H.
23,309	23,493	19,906	17,481	197	122	40	11	68,317	Vt.
402,964	453,492	481,255	513,156	16,406	16,492	2,664	474	851,432	Mass.
66,321	76,267	78,324	82,124	2,937	3,015	288	118	136,298	R. I.
142,500	156,669	187,571	174,037	9,255	9,067	621	88	334,187	Conn.
1,987,394	2,144,368	2,612,347	2,347,969	350,152	346,165	22,149	4,549	5,779,072	M. A.
1,082,406	1,174,249	1,556,419	1,433,682	140,078	146,988	15,184	3,436	2,894,157	N. Y.
331,506	357,260	419,593	376,929	65,750	66,146	2,286	288	898,090	N. J.
573,482	612,859	636,335	537,358	144,324	133,031	4,679	825	1,986,825	Pa.
1,980,584	2,049,131	1,679,021	1,368,856	325,519	295,717	39,955	14,527	5,527,666	E. N. C.
389,677	419,958	335,484	275,065	105,736	93,555	3,366	817	1,414,197	Ohio.
128,875	134,020	73,845	55,189	38,250	35,392	5,616	1,553	656,223	Ind.
668,511	708,747	630,727	531,973	115,261	111,431	16,935	5,362	1,722,268	Ill.
407,064	401,782	430,934	341,492	62,139	52,207	9,535	3,982	1,116,699	Mich.
386,457	384,624	208,031	165,137	4,133	3,132	4,503	2,813	618,279	Wis.
1,157,734	1,153,710	577,050	454,477	113,497	108,278	26,877	18,042	2,719,748	W. M. C.
349,696	352,567	212,991	165,459	3,690	3,115	4,158	3,117	533,059	Minn.
224,271	226,938	90,027	71,685	6,010	5,320	1,580	897	491,185	Iowa.
177,653	194,024	78,726	65,350	75,937	74,520	2,585	1,163	742,496	Mo.
86,566	76,387	58,925	43,383	177	101	2,362	1,863	139,758	N.Dak.
80,417	72,486	36,886	27,288	239	181	5,893	5,305	145,191	S. Dak.
132,382	129,000	61,942	50,502	4,967	4,554	3,071	1,955	286,346	Nebr.
106,749	102,308	37,553	30,810	22,477	20,487	7,228	3,742	381,713	Kans
182,394	195,602	162,775	126,484	1,073,366	1,136,675	6,399	4,129	3,085,876	S. A.
8,226	8,783	8,874	7,223	10,669	9,270	65	6	50,729	Del.
66,138	72,042	48,319	42,859	84,881	78,583	663	75	350,637	Md.
19,532	23,533	14,970	13,525	41,584	46,804	542	104	113,076	D. C.
17,526	16,384	13,137	9,608	162,285	166,935	547	174	467,068	Va.
21,402	21,456	31,425	17,263	37,731	29,424	207	44	346,086	W. Va
5,162	5,451	4,833	3,457	200,355	218,620	3,414	3,237	587,665	N. C
4,210	4,372	2,996	2,026	159,190	184,598	268	211	309,681	S. C.
9,994	10,514	7,859	5,465	248,683	279,404	213	49	552,234	Ga.
30,202	33,067	30,362	25,058	127,988	123,037	480	229	308,700	Fla.
70,190	78,791	32,297	23,280	684,048	718,007	1,481	768	1,876,659	E. S. C.
37,699	44,179	11,977	9,219	71,020	69,483	92	29	497,096	Ky.
13,550	14,779	7,116	5,380	131,776	140,198	132	51	504,707	Tenn.
11,951	12,774	8,999	6,136	229,903	250,047	170	118	491,568	Ala.
6,990	7,059	4,205	2,545	251,349	258,279	1,087	570	383,288	Miss.
208,919	204,205	94,543	70,087	614,877	621,099	194,664	174,481	2,546,615	W. S. C.
13,785	12,480	5,900	4,051	128,795	128,335	392	200	356,330	Ark.
35,201	40,957	19,819	13,952	203,259	211,788	2,099	1,350	432,006	La.
40,548	36,423	15,178	10,852	48,364	45,798	22,992	21,302	500,673	Okla.
119,385	114,345	53,646	41,232	234,459	235,178	169,181	151,629	1,257,606	Tex.
238,636	220,921	164,172	112,222	11,886	9,545	99,716	74,473	790,317	Mt.
51,144	43,873	43,218	26,438	559	402	5,960	3,766	118,622	Mont.
32,082	27,405	18,283	10,901	310	208	2,531	1,377	91,213	Idaho.
15,364	12,989	12,028	6,817	560	402	3,969	1,640	56,445	Wyo.
64,795	66,121	46,667	36,093	4,189	4,381	16,427	11,477	213,703	Colo.
6,768	6,510	4,641	2,898	981	787	21,569	18,387	85,233	N.Mex.
13,799	12,323	8,984	5,811	4,591	2,816	40,899	34,324	99,788	Ariz.
46,533	45,547	21,973	19,743	454	352	4,459	1,654	101,730	Utah.
8,151	6,153	8,378	3,521	242	197	3,902	1,848	23,583	Nev.
620,448	645,690	624,064	466,285	32,501	31,837	209,940	114,468	1,890,908	Pac.
130,234	126,376	134,568	93,695	2,895	2,166	12,978	6,481	345,137	Wash.
69,570	68,607	59,004	40,260	978	739	6,082	2,565	206,921	Oreg.
420,644	450,707	430,492	332,330	28,628	28,932	190,880	105,422	1,338,850	Calif.

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No. 25.—CITIZENSHIP OF FOREIGN-BORN WHITES, 21 YEARS AND OVER: BY PRINCIPAL COUNTRIES OF BIRTH, CONTINENTAL UNITED STATES, 1930

NOTE.—Figures for 1920 have been adjusted by deducting from the total the estimated number of persons who would have been classified as Mexicans in 1930

Country of birth	Male					Female				
	Total 21 years and over [1]	Citizens		Having first papers	Aliens	Total 21 years and over [1]	Citizens		Having first papers	Aliens
		Number	Per cent				Number	Per cent		
1920, total	6,747,394	3,308,924	49.0	1,114,432	1,973,918	5,445,935	2,383,092	52.9	77,301	2,118,196
1930, total	6,797,494	4,217,576	62.0	926,454	1,435,309	5,840,149	3,409,860	58.4	291,962	1,907,528
EUROPE										
Northwestern Europe:										
England	391,838	272,566	69.6	46,307	56,671	376,363	255,542	67.9	18,871	84,708
Scotland	163,588	96,710	59.1	31,062	29,992	154,249	84,019	54.5	11,559	52,398
Wales	30,646	23,156	75.6	2,952	3,127	26,530	20,488	77.2	953	3,793
Northern Ireland	78,114	56,247	72.0	9,046	9,366	93,971	63,806	67.9	4,703	20,577
Irish Free State	316,731	222,642	70.3	39,530	38,017	404,515	266,098	65.8	23,655	89,539
Norway	191,248	135,482	70.8	23,298	26,173	147,020	108,430	73.8	6,234	26,814
Sweden	326,663	235,680	72.1	39,475	41,881	255,443	193,445	75.7	10,489	43,219
Denmark	107,423	80,911	75.3	12,267	10,808	67,160	51,896	77.3	2,975	9,947
Iceland	1,358	939	69.1	188	179	1,351	935	69.2	64	291
Netherlands	73,288	50,305	68.6	9,332	11,397	51,629	35,673	69.1	2,379	11,857
Belgium	33,260	22,789	68.5	4,877	4,569	26,887	17,267	64.2	1,864	6,845
Luxemburg	5,383	4,452	82.7	386	351	3,509	2,761	78.7	158	435
Switzerland	62,951	42,521	67.5	7,843	10,052	46,530	32,447	69.7	2,465	9,408
France	63,246	41,637	65.8	6,589	12,258	66,034	41,644	63.1	3,053	18,268
Central Europe:										
Germany	813,294	588,295	72.3	108,098	87,696	734,959	534,407	72.7	46,037	121,694
Poland	656,348	363,922	55.4	110,597	169,496	560,282	252,427	45.1	30,238	264,097
Czechoslovakia	246,763	159,915	64.8	33,703	47,975	226,989	134,209	59.1	10,229	75,893
Austria	188,070	125,143	66.5	22,955	33,232	171,222	102,915	60.1	8,507	52,813
Hungary	133,697	80,138	59.9	22,025	28,284	128,180	67,012	52.3	7,788	49,188
Yugoslavia	126,732	60,234	47.5	24,640	39,562	75,706	33,747	44.6	4,464	35,857
Eastern Europe:										
Russia	589,065	398,920	67.7	67,378	107,518	514,490	295,915	57.5	22,671	178,318
Latvia	10,687	7,132	66.7	1,559	1,773	9,187	5,132	55.8	584	3,214
Estonia	2,292	1,052	45.9	651	531	1,078	419	38.9	174	444
Lithuania	109,223	55,760	51.1	18,511	32,631	80,821	34,826	43.1	4,081	39,918
Finland	75,331	38,033	50.5	12,204	23,323	63,551	33,549	52.8	3,396	24,955
Rumania	75,241	49,298	65.5	11,751	12,767	64,058	35,832	55.9	3,556	22,871
Bulgaria	7,346	2,813	38.3	1,896	2,435	1,615	617	38.2	130	821
Turkey in Europe	1,179	655	55.6	234	260	874	293	33.5	54	500
Southern Europe:										
Greece	125,619	62,649	49.9	22,701	36,516	41,717	12,825	30.7	2,158	25,349
Albania	6,146	2,227	36.2	1,386	2,396	1,913	360	18.8	98	1,410
Italy	986,531	545,729	55.3	119,191	299,015	693,177	303,114	43.7	21,840	347,291
Spain	40,250	7,554	18.8	6,098	25,408	14,715	2,986	20.3	649	10,516
Portugal	40,264	8,129	20.2	4,237	26,872	25,728	4,602	17.9	581	19,631
Other Europe	9,086	4,289	47.2	1,812	2,358	5,993	3,165	52.8	289	2,102
ASIA										
Armenia	18,240	10,106	55.4	3,048	4,702	11,909	4,327	36.3	604	6,679
Palestine	3,106	1,907	61.4	488	596	1,981	1,083	54.7	124	684
Syria	30,994	17,997	58.1	4,707	7,449	23,131	9,876	42.7	1,062	11,356
Turkey in Asia	26,525	14,582	55.0	4,709	6,651	16,809	5,701	33.9	994	9,586
Other Asia	8,658	3,533	40.8	1,751	3,016	4,395	2,038	46.4	339	1,789
AMERICA										
Canada—French	167,493	86,019	51.4	22,209	53,572	161,660	81,177	50.2	6,633	67,570
Canada—Other	364,192	204,047	56.0	53,096	84,451	409,098	245,777	60.1	21,963	116,894
Newfoundland	10,177	4,239	41.7	2,256	3,268	10,914	4,504	41.3	832	4,995
Cuba	7,734	1,681	21.7	566	4,844	5,157	1,386	26.9	92	3,300
Other West Indies [2]	6,971	3,642	52.2	932	1,916	7,042	3,024	42.9	458	2,888
Mexico	10,471	2,057	19.6	794	6,685	8,672	2,732	31.5	229	4,940
Central and South America	18,052	5,359	29.7	3,128	8,563	11,989	3,899	32.5	595	6,611
OTHER COUNTRIES										
Africa	3,771	2,040	54.1	640	875	2,851	1,520	53.3	187	964
Australia	6,257	3,770	60.3	807	1,285	5,626	3,488	62.0	260	1,494
Azores	18,201	5,070	27.9	1,791	10,764	15,619	3,394	21.7	416	11,215
Other Atlantic Is. [3]	2,241	789	35.2	324	1,005	1,539	562	36.5	62	813
Pacific Islands	2,104	1,179	56.0	310	468	1,795	1,056	58.8	109	508
All other [4]	3,406	1,635	48.0	119	310	2,516	1,513	60.1	37	261

[1] Totals include persons whose citizenship was not reported.
[2] Except possessions of the United States.
[3] Includes Cape Verde Islands.
[4] Includes country not specified and born at sea.

Source: Bureau of the Census, Department of Commerce.

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No. 26.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER: CONTINENTAL UNITED STATES, 1920 AND 1930, AND BY GEOGRAPHIC DIVISIONS, 1930

NOTE.—For definition of urban population, see Table 34. Illiteracy in this and subsequent tables is defined as inability to write in any language, regardless of ability to read. Per cents represent proportion illiterate in the total number of persons of given class and age

Division, sex, and age	All classes [1]		Native white, native parentage		Native white, foreign or mixed parentage		Foreign-born white		Negro	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
United States, 1920 [2]	4,931,905	6.0	1,109,875	2.5	132,697	0.8	1,763,740	13.1	1,842,161	22.9
10 to 20 years	598,794	2.7	171,564	1.3	30,339	.6	56,595	5.7	329,174	13.0
21 years and over	4,333,111	7.1	938,311	3.0	102,358	.9	1,707,145	13.7	1,512,987	27.4
Urban, total	1,955,112	4.4	155,493	.8	55,620	.5	1,327,520	13.0	402,170	13.4
Rural, total	2,976,793	7.7	954,382	3.8	77,077	1.4	436,220	13.3	1,439,991	28.5
United States, 1930	4,283,753	4.3	986,469	1.8	116,665	.6	1,304,084	9.9	1,513,892	16.3
Males	2,198,293	4.4	577,312	2.1	62,736	.6	573,977	8.1	801,949	17.6
Females	2,085,460	4.3	409,157	1.5	53,929	.5	730,107	11.9	711,943	15.1
10 to 20 years	420,538	1.6	131,151	.8	17,015	.3	7,582	1.3	207,242	7.5
21 years and over	3,863,215	5.3	855,318	2.2	99,650	.7	1,296,502	10.3	1,306,650	20.0
Urban, total	1,800,604	3.2	163,227	.6	60,389	.4	1,058,845	10.0	395,849	9.2
10 to 20 years	65,863	.5	17,056	.2	9,661	.2	6,325	1.3	22,556	2.3
21 years and over	1,734,741	4.0	146,171	.7	50,708	.5	1,052,520	10.4	373,293	11.2
Rural, total	2,483,149	6.0	823,242	3.0	56,296	1.0	245,239	9.4	1,118,043	22.4
10 to 20 years	354,675	2.8	114,095	1.3	7,354	.5	1,257	1.5	184,686	10.3
21 years and over	2,128,474	7.3	709,147	3.8	48,942	1.2	243,982	9.6	933,357	29.2
New England	245,270	3.7	14,080	.6	16,049	.7	210,046	11.6	4,187	5.5
10 to 20 years	5,460	.3	1,934	.3	2,415	.3	1,000	1.1	83	.5
21 years and over	239,810	4.7	12,146	.7	13,634	.9	209,046	12.1	4,104	7.0
Urban, total	198,234	3.8	4,903	.3	9,998	.5	179,423	11.6	3,089	4.7
Rural, total	47,036	3.1	9,177	1.1	6,051	1.6	30,623	11.5	1,098	11.0
Middle Atlantic	757,228	3.5	52,050	.6	30,693	.5	636,479	12.2	32,223	3.7
10 to 20 years	19,062	.4	6,564	.3	6,715	.3	4,307	1.8	1,275	.7
21 years and over	738,166	4.5	45,486	.7	23,978	.6	632,172	12.7	30,948	4.4
Urban, total	621,593	3.7	23,135	.4	21,245	.4	546,551	11.9	25,644	3.3
Rural, total	135,635	2.9	28,915	1.0	9,448	1.0	89,928	15.0	6,579	7.3
East North Central	442,064	2.1	79,697	.7	30,587	.6	281,645	8.8	36,454	4.7
10 to 20 years	13,607	.3	7,424	.2	3,305	.2	1,337	1.0	779	.5
21 years and over	428,457	2.7	72,273	.9	27,282	.7	280,308	9.2	35,675	5.7
Urban, total	315,746	2.3	27,727	.4	14,882	.4	232,547	8.8	30,204	4.3
Rural, total	126,318	1.9	51,970	1.1	15,705	1.1	49,098	8.9	6,250	9.3
West North Central	156,088	1.4	53,276	.8	15,562	.5	51,982	4.9	21,170	7.6
10 to 20 years	9,771	.4	6,211	.3	1,572	.3	222	1.0	845	1.5
21 years and over	146,297	1.8	47,065	1.1	13,990	.6	51,760	5.0	20,325	9.2
Urban, total	63,093	1.4	12,354	.5	5,182	.4	28,156	5.6	12,936	5.9
Rural, total	92,975	1.5	40,922	1.1	10,380	.6	23,826	4.3	8,234	14.1
South Atlantic	1,012,523	8.3	310,381	3.9	4,202	.8	31,328	10.4	662,055	19.7
10 to 20 years	153,182	4.1	41,905	1.7	483	.3	180	1.5	109,534	9.5
21 years and over	859,341	10.2	268,476	4.9	3,719	1.0	31,148	10.8	552,521	25.0
Urban, total	220,729	4.7	38,590	1.4	2,228	.6	21,604	9.8	157,917	13.2
Rural, total	791,794	10.5	271,791	5.3	1,974	1.5	9,724	12.1	504,138	23.2
East South Central	727,861	9.6	268,052	5.1	2,078	1.2	4,238	7.4	452,082	22.0
10 to 20 years	98,970	4.2	38,826	2.3	137	.5	18	1.1	59,563	9.2
21 years and over	628,891	12.0	229,226	6.3	1,941	1.3	4,220	7.6	392,519	28.0
Urban, total	121,549	5.4	24,955	1.7	746	.6	2,721	6.6	93,019	14.8
Rural, total	606,312	11.5	243,097	6.4	1,332	2.8	1,517	9.6	359,063	25.2
West South Central	675,791	7.2	173,286	2.7	10,181	2.0	15,958	9.4	302,280	17.0
10 to 20 years	101,159	3.6	24,052	1.2	1,150	1.1	91	2.0	35,062	6.5
21 years and over	574,632	8.7	148,234	3.3	9,031	2.2	15,867	9.6	267,218	21.6
Urban, total	157,892	4.4	23,214	1.0	2,929	1.1	7,594	7.8	70,728	11.4
Rural, total	517,899	8.9	149,072	3.7	7,252	3.0	8,364	11.6	231,552	20.0
Mountain	120,366	4.2	26,730	1.5	2,316	.4	15,962	5.6	1,070	4.1
10 to 20 years	13,462	1.7	2,702	.5	354	.2	93	1.0	51	1.1
21 years and over	107,404	5.1	24,028	2.0	1,962	.4	15,869	5.7	1,019	4.8
Urban, total	22,478	1.9	4,611	.7	833	.3	6,522	4.9	622	3.4
Rural, total	98,388	5.7	22,119	2.1	1,483	.5	9,440	6.2	448	5.8
Pacific	148,082	2.1	9,917	.3	4,997	.3	56,446	4.9	2,371	3.1
10 to 20 years	5,865	.4	1,533	.2	884	.2	334	.6	50	.4
21 years and over	140,217	2.6	8,384	.3	4,113	.3	56,112	5.1	2,321	3.6
Urban, total	79,290	1.7	3,738	.2	2,326	.2	33,727	4.1	1,690	2.5
Rural, total	66,792	3.1	6,179	.5	2,671	.6	22,719	7.0	681	6.9

[1] Includes Indians, Chinese, Japanese, and other nonwhite not shown separately.

[2] Figures for native white of foreign or mixed parentage and for foreign-born white in 1920 include persons of the Mexican race who were given a separate classification in 1930.

Source: Bureau of the Census, Department of Commerce.

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No. 27.—ILLITERATE PERSONS 10 YEARS OF AGE AND OVER AND 21 YEARS OF AGE AND OVER: By States, 1930

Division and State	Number of illiterate persons 10 years of age and over						Illiterate persons of voting age	
	All classes [1]			Native white	Foreign-born white	Negro	Male	Female
	Total	Male	Female					
Continental United States	**4,283,753**	**2,198,293**	**2,085,460**	**1,133,134**	**1,804,084**	**1,513,892**	**1,942,739**	**1,920,486**
New England	**245,270**	**110,237**	**135,033**	**30,129**	**210,046**	**4,187**	**107,189**	**132,621**
Maine	17,172	10,294	6,878	8,617	8,393	43	9,580	6,512
New Hampshire	10,231	5,341	4,890	2,366	7,820	27	5,156	4,772
Vermont	6,299	3,805	2,494	3,261	3,005	22	3,635	2,378
Massachusetts	124,158	52,936	71,222	9,652	111,568	2,303	51,766	70,159
Rhode Island	27,536	12,027	15,509	2,732	24,124	635	11,742	15,247
Connecticut	59,874	25,834	34,040	3,501	55,136	1,157	25,310	33,553
Middle Atlantic	**757,228**	**337,079**	**420,149**	**92,743**	**636,479**	**32,223**	**327,351**	**410,815**
New York	388,883	165,262	223,621	34,654	341,345	8,604	160,435	218,745
New Jersey	128,022	57,651	70,371	11,572	107,192	8,711	56,065	68,867
Pennsylvania	240,323	114,166	126,157	36,517	187,942	14,908	110,851	123,203
East North Central	**442,064**	**223,325**	**218,739**	**110,284**	**281,645**	**36,454**	**215,661**	**212,796**
Ohio	123,804	63,489	60,315	32,387	74,131	16,213	61,239	58,493
Indiana	43,721	24,609	19,112	22,510	13,536	5,605	23,605	18,442
Illinois	153,507	73,953	79,554	28,284	108,984	10,044	71,756	77,748
Michigan	76,800	38,620	38,180	14,790	55,034	4,201	37,340	37,233
Wisconsin	44,232	22,654	21,578	12,313	29,960	391	21,721	20,880
West North Central	**156,068**	**83,165**	**72,903**	**68,838**	**51,982**	**21,170**	**77,263**	**69,034**
Minnesota	26,302	13,185	13,117	7,244	16,759	160	12,428	12,543
Iowa	15,879	8,624	7,255	8,177	5,932	777	8,008	6,782
Missouri	67,905	38,163	29,742	39,252	11,183	16,532	35,394	28,181
North Dakota	7,814	3,850	3,964	1,763	4,649	11	3,456	3,704
South Dakota	6,763	3,191	3,572	1,639	2,422	12	2,942	3,374
Nebraska	12,725	6,124	6,601	3,762	6,924	450	5,709	6,287
Kansas	18,680	10,028	8,652	7,001	4,113	3,228	9,326	8,163
South Atlantic	**1,012,523**	**555,456**	**457,067**	**314,583**	**31,328**	**662,055**	**455,746**	**403,595**
Delaware	7,805	4,160	3,645	1,896	2,392	3,496	3,994	3,536
Maryland	49,910	26,987	22,923	13,202	11,539	25,073	25,105	21,807
Dist. of Columbia	6,611	2,827	3,784	533	1,411	4,591	2,741	3,715
Virginia	162,588	93,666	68,922	65,482	1,738	95,148	78,805	61,645
West Virginia	62,492	36,791	25,701	42,476	9,788	10,173	33,224	23,629
North Carolina	236,261	130,482	105,779	93,372	450	139,105	107,944	94,279
South Carolina	192,878	99,523	93,355	36,246	297	156,065	74,332	77,980
Georgia	210,736	115,869	94,867	46,898	554	163,237	91,613	83,459
Florida	83,242	45,151	38,091	14,478	3,159	65,167	37,998	33,545
East South Central	**727,961**	**405,309**	**322,652**	**270,130**	**4,238**	**452,092**	**342,070**	**286,821**
Kentucky	131,545	77,834	53,711	101,605	1,267	28,553	66,858	48,047
Tennessee	145,460	84,489	60,971	87,406	754	57,251	71,939	54,985
Alabama	251,095	133,645	117,450	60,959	1,335	188,673	110,565	103,359
Mississippi	199,761	109,341	90,420	20,070	882	177,605	92,708	80,430
West South Central	**675,791**	**350,340**	**325,451**	**182,467**	**15,958**	**302,280**	**293,650**	**280,962**
Arkansas	96,818	53,666	43,152	35,890	666	60,102	45,541	38,656
Louisiana	219,750	109,745	110,005	71,903	6,677	139,393	93,524	97,725
Oklahoma	51,102	30,114	20,988	27,796	1,479	12,560	26,141	18,946
Texas	308,121	156,815	151,306	46,878	7,136	90,225	128,444	125,655
Mountain	**120,866**	**57,857**	**63,009**	**29,046**	**15,962**	**1,070**	**51,435**	**55,969**
Montana	7,303	4,042	3,261	932	3,085	52	3,873	3,116
Idaho	3,743	2,177	1,566	1,151	1,198	25	2,045	1,475
Wyoming	2,895	1,674	1,221	381	811	47	1,541	1,102
Colorado	23,141	10,716	12,425	5,807	7,331	403	9,962	11,646
New Mexico	41,845	18,329	23,516	18,733	530	140	15,739	20,567
Arizona	33,969	16,309	17,660	960	551	366	13,994	14,998
Utah	4,640	2,642	1,998	952	1,547	30	2,390	1,765
Nevada	3,330	1,968	1,362	130	909	7	1,891	1,300
Pacific	**146,082**	**75,525**	**70,557**	**14,914**	**56,446**	**2,371**	**72,364**	**67,853**
Washington	13,458	7,043	6,415	3,031	7,103	174	6,527	6,107
Oregon	7,814	4,423	3,391	2,043	3,743	49	4,170	3,201
California	124,810	64,059	60,751	9,840	45,600	2,148	61,667	58,545

[1] The total includes 362,643 illiterate persons among the Mexicans, Indians, Chinese, Japanese, and other nonwhite population.

Source: Bureau of the Census, Department of Commerce.

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No. 28.—PERCENTAGE OF ILLITERACY: By States

Division and State	Per cent illiterate among persons 10 years of age and over										Per cent illiterate among persons of voting age, 1930	
	All classes		Male	Female	Native white		Foreign-born white		Negro			
	1920	1930	1930	1930	1920[1]	1930	1920[1]	1930	1920	1930	Male	Female
Continental United States	6.0	4.3	4.4	4.3	2.0	1.5	13.1	9.9	22.9	16.3	5.2	5.4
New England	4.9	3.7	3.4	3.9	.7	.6	14.0	11.6	7.1	5.5	4.3	5.1
Maine	3.3	2.7	3.2	2.1	1.6	1.6	11.1	8.5	5.9	4.8	3.9	2.7
New Hampshire	4.4	2.7	2.8	2.5	.7	.8	15.4	9.6	6.7	3.9	3.5	3.2
Vermont	3.0	2.2	2.6	1.7	1.5	1.3	11.3	7.2	6.2	4.9	3.2	2.2
Massachusetts	4.7	3.5	3.1	3.9	.4	.4	12.8	10.7	6.8	5.4	4.0	5.0
Rhode Island	6.5	4.9	4.4	5.4	.7	.7	16.5	14.3	10.2	8.1	5.8	7.0
Connecticut	6.2	4.5	3.9	5.1	.4	.4	17.0	14.6	6.2	4.9	5.2	6.8
Middle Atlantic	4.9	3.5	3.1	3.9	.6	.5	15.7	12.2	5.0	3.7	4.0	5.1
New York	5.1	3.7	3.1	4.3	.5	.5	14.2	10.8	2.9	2.5	3.9	5.4
New Jersey	5.1	3.8	3.5	4.2	.6	.5	15.3	12.9	6.1	5.1	4.4	5.5
Pennsylvania	4.6	3.1	2.9	3.3	.8	.6	18.9	15.4	6.1	4.2	3.9	4.4
East North Central	2.9	2.1	2.1	2.2	.9	.7	10.8	8.8	7.3	4.7	2.7	2.8
Ohio	2.8	2.3	2.3	2.2	.9	.7	12.6	11.6	8.1	6.4	2.9	2.9
Indiana	2.2	1.7	1.8	1.5	1.3	.9	11.8	10.1	9.5	6.0	2.3	1.9
Illinois	3.4	2.4	2.3	2.6	.8	.6	11.0	9.0	6.7	3.6	2.9	3.3
Michigan	3.0	2.0	1.9	2.1	.7	.5	9.9	6.7	4.2	3.0	2.4	2.7
Wisconsin	2.4	1.9	1.8	1.9	.7	.6	8.4	7.8	4.1	4.4	2.4	2.5
West North Central	2.0	1.4	1.5	1.4	.9	.7	6.4	4.9	10.5	7.6	1.9	1.8
Minnesota	1.8	1.3	1.2	1.3	.4	.4	5.4	4.3	3.1	2.0	1.6	1.7
Iowa	1.1	.8	.8	.7	.5	.4	4.9	3.6	8.1	5.4	1.0	.9
Missouri	3.0	2.3	2.6	2.0	2.0	1.5	9.6	7.5	12.1	8.8	3.1	2.5
North Dakota	2.1	1.5	1.4	1.6	.4	.4	5.6	4.4	4.0	3.4	1.8	2.3
South Dakota	1.7	1.2	1.1	1.4	.4	.4	4.7	3.7	5.2	2.2	1.4	1.9
Nebraska	1.4	1.2	1.1	1.2	.4	.4	6.4	6.0	4.8	3.9	1.4	1.6
Kansas	1.6	1.2	1.3	1.2	.6	.5	10.5	5.9	8.8	5.9	1.6	1.5
South Atlantic	11.5	8.3	9.2	7.5	5.1	3.7	12.8	10.4	25.2	19.7	10.9	9.5
Delaware	5.9	4.0	4.2	3.8	1.8	1.2	17.3	14.3	19.1	13.2	5.2	4.9
Maryland	5.6	3.8	4.1	3.5	1.8	1.3	13.4	12.2	18.2	11.4	5.0	4.4
District of Columbia	2.8	1.6	1.4	1.7	.3	.2	6.1	4.8	8.6	4.1	1.7	2.1
Virginia	11.2	8.7	10.0	7.4	5.9	4.8	7.1	7.4	23.5	19.2	12.1	9.5
West Virginia	6.4	4.8	5.5	4.1	4.6	3.7	24.0	19.2	15.3	11.3	7.0	5.5
North Carolina	13.1	10.0	11.2	8.9	8.2	5.6	6.8	5.2	24.5	20.6	14.2	12.0
South Carolina	18.1	14.9	15.8	14.1	6.5	5.1	6.2	5.7	29.3	26.9	18.8	18.4
Georgia	15.3	9.4	10.6	8.3	5.4	3.3	5.4	4.0	29.1	19.9	12.5	10.9
Florida	9.6	7.1	7.7	6.5	2.9	1.9	6.3	5.4	21.5	18.8	8.7	7.8
East South Central	12.7	9.6	10.8	8.5	6.4	5.0	9.1	7.4	27.9	22.0	13.1	11.0
Kentucky	8.4	6.6	7.7	5.4	7.0	5.7	7.3	5.8	21.0	15.4	9.3	6.8
Tennessee	10.3	7.2	8.4	6.0	7.3	5.4	8.3	5.8	22.4	14.9	10.3	7.7
Alabama	16.1	12.6	13.5	11.6	6.3	4.8	10.9	8.5	31.3	26.2	16.6	15.2
Mississippi	17.2	13.1	14.4	11.8	3.6	2.7	13.3	12.6	29.3	23.2	18.0	15.6
West South Central	10.0	7.2	7.3	7.0	4.1	2.6	29.9	9.4	25.3	17.0	8.7	8.7
Arkansas	9.4	6.8	7.4	6.2	4.5	3.5	8.3	6.6	21.8	16.1	9.2	8.2
Louisiana	21.9	13.5	13.6	13.5	10.5	7.3	21.9	19.2	38.5	23.3	16.5	17.2
Oklahoma	3.8	2.8	3.2	2.4	2.3	1.7	14.0	5.6	12.4	9.3	3.9	3.1
Texas	8.3	6.8	6.8	6.8	3.0	1.4	33.8	7.3	17.8	13.4	7.8	8.0
Mountain	5.2	4.2	3.7	4.6	2.0	1.2	12.7	5.6	5.3	4.1	4.5	5.8
Montana	2.3	1.7	1.7	1.7	.3	.3	5.6	4.3	6.0	4.6	2.1	2.3
Idaho	1.5	1.1	1.2	1.0	.3	.4	6.5	4.0	5.4	4.2	1.5	1.3
Wyoming	2.1	1.6	1.7	1.6	.3	.3	9.0	4.2	5.3	4.2	2.0	2.0
Colorado	3.2	2.8	2.5	3.1	1.4	.8	12.4	8.6	6.2	3.9	3.1	3.9
New Mexico	15.6	13.3	11.2	15.7	11.6	7.7	27.1	6.8	4.3	6.0	13.6	20.3
Arizona	15.3	10.1	9.0	11.4	2.1	.5	27.5	3.6	4.6	4.0	10.4	13.7
Utah	1.9	1.2	1.3	1.1	.3	.3	6.3	3.6	4.6	3.2	1.7	1.4
Nevada	5.9	4.4	4.3	4.5	.4	.2	8.5	7.5	5.1	1.5	5.0	5.6
Pacific	2.7	2.1	2.1	2.1	.4	.3	8.6	4.9	4.6	3.1	2.5	2.6
Washington	1.7	1.0	1.0	1.0	.3	.3	4.7	2.9	4.0	2.9	1.2	1.3
Oregon	1.5	1.0	1.0	.9	.4	.3	5.1	3.6	4.7	2.5	1.3	1.1
California	3.3	2.6	2.6	2.6	.4	.3	10.5	5.7	4.7	3.1	3.0	3.2

[1] See footnote 2, Table 26.

Source: Bureau of the Census, Department of Commerce.

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No. 29.—POPULATION STATISTICS OF CITIES

NOTE.—In the 1930 figures for "Other races" include Mexicans who in 1920 were classified for the most population of the city. The increase from census to census includes that

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890	1900	1910	1920	1930	1920	1930	
Akron, Ohio	27,601	42,728	69,067	208,435	255,040	125,079	162,699	63.8
Albany, N. Y.	94,923	94,151	100,253	113,344	127,412	56,265	66,566	52.2
Allentown, Pa.	25,228	35,416	51,913	73,502	92,563	51,937	64,147	69.3
Altoona, Pa.	30,337	38,973	52,127	60,331	82,054	43,390	61,960	75.5
Asheville, N. C.	10,235	14,694	18,762	28,504	50,193	19,984	33,585	66.9
Atlanta, Ga.	65,533	89,872	154,839	200,616	270,366	124,948	166,513	61.6
Atlantic City, N. J.	13,055	27,838	46,150	50,707	66,198	22,087	24,464	37.0
Augusta, Ga.	33,300	39,441	41,040	52,548	60,342	26,883	33,310	55.2
Austin, Tex.	14,575	22,258	29,860	34,876	53,120	20,905	31,666	59.6
Baltimore, Md.	434,439	508,957	558,485	733,826	804,874	378,380	427,372	53.1
Bayonne, N. J.	19,033	32,722	55,545	76,754	88,979	14,497	20,085	22.6
Beaumont, Tex.	3,296	9,427	20,640	40,422	57,732	21,710	32,900	57.0
Berkeley, Calif.	5,101	13,214	40,434	56,036	82,109	28,669	43,755	53.3
Bethlehem, Pa.[2]	9,521	10,758	12,837	50,358	57,892	26,503	29,820	51.5
Binghamton, N. Y.	35,005	39,647	48,443	66,800	76,662	40,030	46,369	60.5
Birmingham, Ala.	26,178	38,415	132,685	178,806	259,678	92,211	141,493	54.5
Boston, Mass.[3]	448,477	560,892	670,585	748,060	781,188	181,811	200,130	25.6
Bridgeport, Conn.	48,866	70,996	102,054	143,555	146,716	36,816	37,587	25.6
Brockton, Mass.	27,294	40,063	56,878	66,254	63,797	24,643	24,909	39.0
Buffalo, N. Y.	255,664	352,387	423,715	506,775	573,076	165,135	212,586	37.1
Cambridge, Mass.	70,028	91,886	104,839	109,694	113,643	29,045	31,100	27.4
Camden, N. J.	58,313	75,935	94,538	116,309	118,700	56,249	52,912	44.6
Canton, Ohio	26,189	30,667	50,217	87,091	104,906	53,783	65,090	62.0
Cedar Rapids, Iowa	18,020	25,656	32,811	45,566	56,097	26,667	36,025	64.2
Charleston, S. C.	54,955	55,807	58,833	67,957	62,265	28,262	28,248	45.4
Charleston, W. Va.	6,742	11,099	22,996	39,608	60,408	31,044	48,167	79.7
Charlotte, N. C.	11,557	18,091	34,014	46,338	82,675	30,196	54,819	66.3
Chattanooga, Tenn.	29,100	30,154	44,604	57,895	119,798	34,911	81,212	67.8
Chester, Pa.	20,226	33,988	38,537	58,030	59,164	25,627	26,856	45.4
Chicago, Ill.	1,099,850	1,698,575	2,185,283	2,701,705	3,376,438	642,871	943,301	27.9
Cicero, Ill.	10,204	16,310	14,557	44,995	66,602	6,470	13,564	20.4
Cincinnati, Ohio	296,908	325,902	363,591	401,247	451,160	206,605	264,123	58.5
Cleveland, Ohio	261,353	381,768	560,663	796,841	900,429	212,247	242,832	27.0
Cleveland Heights, Ohio			2,955	15,236	50,945	9,053	26,210	51.4
Columbia, S. C.	15,353	21,108	26,319	37,524	51,581	21,605	30,417	59.0
Columbus, Ohio	88,150	125,560	181,511	237,031	290,564	159,069	201,778	69.4
Covington, Ky.	37,371	42,938	53,270	57,121	65,252	37,391	49,297	75.5
Dallas, Tex.	38,067	42,638	92,104	158,976	260,475	112,509	192,580	73.9
Davenport, Iowa	26,872	35,254	43,028	56,727	60,751	29,394	36,214	59.6
Dayton, Ohio	61,220	85,333	116,577	152,559	200,982	100,996	142,059	70.7
Dearborn, Mich.		844	911	2,470	50,358	(4)	20,351	40.4
Decatur, Ill.	16,841	20,754	31,140	43,818	57,510	33,254	45,939	79.9
Denver, Colo.	106,713	133,859	213,381	256,491	287,861	144,678	169,457	58.9
Des Moines, Iowa	50,093	62,139	86,368	126,468	142,559	84,361	100,236	70.3
Detroit, Mich.	205,876	285,704	465,766	993,678	1,568,662	313,997	537,844	34.3
Duluth, Minn.	33,115	52,969	78,466	98,917	101,463	23,931	30,675	30.2
Durham, N. C.	5,485	6,679	18,241	21,719	52,037	13,608	32,382	62.2
East Chicago, Ind.	1,255	3,411	19,098	35,967	54,784	5,954	11,521	21.0
East Orange, N. J.		21,506	34,371	50,710	68,020	27,455	33,647	49.5
East St. Louis, Ill.	15,169	29,655	58,547	66,767	74,347	38,854	45,826	61.6
Elizabeth, N. J.	37,764	52,130	73,409	95,783	114,589	25,887	33,605	29.3
El Paso, Tex.	10,338	15,906	39,279	77,560	102,421	27,456	32,810	32.0
Erie, Pa.	40,634	52,733	66,525	93,372	115,967	41,179	55,286	47.7
Evanston, Ill.		19,259	24,978	37,234	63,338	16,723	31,987	50.5
Evansville, Ind.	50,756	59,007	69,647	85,264	102,249	60,270	80,329	78.6
Fall River, Mass.	74,398	104,863	119,295	120,485	115,274	19,168	24,368	21.1
Flint, Mich.	9,803	13,103	38,550	91,599	156,492	50,186	91,557	58.5
Fort Wayne, Ind.	35,393	45,115	63,933	86,549	114,946	57,675	86,196	75.0
Fort Worth, Tex.	23,076	26,688	73,312	106,482	163,447	75,515	126,116	77.2
Fresno, Calif.	10,818	12,470	24,892	45,086	52,513	23,793	25,914	49.3
Galveston, Tex.	29,084	37,789	36,981	44,255	52,938	17,289	22,401	42.3
Gary, Ind.			16,802	55,378	100,426	16,519	33,635	33.5

[1] Includes Indians, Chinese, Japanese, and other nonwhite. (See headnote.)

[2] Bethlehem Borough includes West Bethlehem prior to 1920. Consolidated with South Bethlehem borough as Bethlehem City between 1910 and 1920. Combined population 1890, 19,823; 1900, 23,999, 1910, 32,810.

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HAVING IN 1930 OVER 50,000 INHABITANTS

part as white. See footnote 2, Table 7. Per cents show proportion which specified class forms of total due to annexation of territory as well as to direct growth

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races[1]			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
39,750	49,477	19.4	37,889	31,568	12.4	5,717	11,296	4.4	130,029	125,011	Akron.
38,135	40,476	31.8	17,636	17,918	14.1	1,308	2,452	1.9	61,947	65,465	Albany.
12,767	18,439	19.9	8,612	9,607	10.4	186	370	.4	45,437	47,126	Allentown.
10,729	13,425	16.4	5,312	5,951	7.3	900	718	.9	40,351	41,703	Altoona.
808	1,506	3.0	555	842	1.7	7,157	14,260	28.4	23,124	27,069	Asheville.
8,099	9,007	3.3	4,738	4,727	1.7	62,831	90,119	33.3	126,493	143,873	Atlanta.
10,590	16,147	24.4	7,009	9,903	15.0	11,021	15,684	23.7	31,449	34,749	Atlantic City.
2,078	1,953	3.2	927	734	1.2	22,660	24,345	40.3	28,329	32,013	Augusta.
4,476	4,926	9.3	2,547	1,617	3.0	6,948	14,911	28.1	25,264	27,856	Austin.
162,839	160,342	19.9	83,911	74,410	9.2	108,696	142,750	17.7	395,888	408,986	Baltimore.
36,103	41,681	46.8	25,472	24,899	28.0	682	2,314	2.6	47,119	41,860	Bayonne.
3,558	4,084	7.1	1,918	1,523	2.6	13,236	19,225	33.3	28,844	28,888	Beaumont.
15,954	21,590	26.3	9,573	12,163	14.8	1,840	4,601	5.6	38,623	43,486	Berkeley.
12,546	16,837	29.1	10,943	10,093	17.4	366	1,142	2.0	29,088	28,804	Bethlehem.[2]
15,742	18,967	24.7	10,368	10,566	13.8	660	760	1.0	37,206	39,456	Binghamton.
10,255	13,191	5.1	6,084	5,867	2.3	70,256	99,127	38.2	125,855	133,823	Birmingham.
309,755	329,270	42.1	238,919	229,356	29.4	17,575	22,432	2.9	383,454	397,734	Boston.[3]
57,990	64,979	44.3	46,414	40,759	27.8	2,335	3,391	2.3	73,061	73,655	Bridgeport.
23,868	24,079	37.7	17,124	14,275	22.4	619	534	.8	30,941	32,856	Brockton.
215,377	227,967	39.8	121,530	118,316	20.6	4,733	14,207	2.5	284,460	288,616	Buffalo.
43,101	44,616	39.3	32,104	32,330	28.4	5,444	5,597	4.9	54,013	59,630	Cambridge.
31,242	35,756	30.1	20,262	18,615	15.7	8,556	11,417	9.6	59,442	59,258	Camden.
17,304	23,534	22.4	14,680	13,213	12.6	1,324	3,069	2.9	53,301	51,605	Canton.
12,348	14,225	25.4	5,863	4,974	8.9	688	873	1.6	27,139	28,958	Cedar Rapids.
5,180	4,318	6.9	2,143	1,611	2.6	32,372	28,088	45.1	28,382	33,883	Charleston, S.C.
2,684	3,736	6.2	1,354	1,741	2.9	4,526	6,764	11.2	29,681	30,727	Charleston, W. Va.
983	1,778	2.2	514	893	1.1	14,645	25,185	30.5	39,583	43,092	Charlotte.
2,850	3,819	3.2	1,240	1,464	1.2	18,894	33,303	27.8	57,932	61,866	Chattanooga.
13,908	14,966	25.3	11,292	8,048	13.6	7,203	9,294	15.7	30,424	28,740	Chester.
1,140,816	1,332,373	39.5	805,482	842,057	24.9	112,536	258,707	7.7	1,710,663	1,665,775	Chicago.
23,050	33,382	50.1	15,466	19,490	29.3	9	166	.2	34,284	32,318	Cicero.
121,665	104,154	23.1	42,827	34,835	7.7	30,150	48,048	10.6	218,995	232,165	Cincinnati.
310,241	354,771	39.4	239,538	229,487	25.5	34,815	73,339	8.1	456,856	443,573	Cleveland.
4,101	16,529	32.4	1,896	7,616	14.9	186	590	1.2	23,199	27,746	Cleveland Heights.
918	1,101	2.1	544	524	1.0	14,457	19,539	37.9	24,005	27,576	Columbia.
39,597	40,538	14.0	16,055	15,279	5.3	22,310	32,969	11.3	143,359	147,205	Columbus.
13,801	10,573	16.2	2,883	1,900	2.9	3,046	3,482	5.6	31,690	33,562	Covington.
13,649	16,667	6.4	8,730	6,473	2.5	24,088	44,755	17.2	126,071	134,404	Dallas.
18,991	17,860	29.4	7,644	5,621	9.3	698	1,056	1.7	30,192	30,559	Davenport.
29,388	29,758	14.8	13,111	12,014	6.0	9,064	17,151	8.5	99,822	101,160	Dayton.
[4]	16,222	32.2	[4]	13,395	26.6	[4]	390	.8	27,279	23,079	Dearborn.
6,787	7,251	12.6	2,590	2,355	4.1	1,187	1,965	3.4	28,004	29,506	Decatur.
67,346	72,285	25.1	37,620	31,235	10.9	6,847	14,884	5.2	139,872	147,989	Denver.
25,302	27,178	19.1	11,224	9,310	6.5	5,581	5,835	4.1	68,481	74,078	Des Moines.
348,771	503,016	32.1	289,297	399,281	25.5	41,613	128,521	8.2	821,920	746,742	Detroit.
44,265	45,305	44.7	30,118	24,929	24.6	603	554	.5	51,285	50,178	Duluth.
272	570	1.1	181	361	.7	7,658	18,724	36.0	24,629	27,408	Durham.
13,893	18,994	34.7	14,663	13,793	25.2	1,457	10,476	19.1	30,618	24,166	East Chicago.
14,075	19,404	28.5	6,780	10,036	14.8	2,400	4,933	7.3	31,637	36,383	East Orange.
13,668	12,286	16.5	6,782	4,657	6.3	7,463	11,578	15.6	37,461	36,886	East St. Louis.
39,668	46,971	41.0	28,215	29,156	25.4	2,013	4,857	4.2	58,348	56,241	Elizabeth.
14,995	6,311	6.2	33,353	2,844	2.8	1,756	60,456	59.0	49,551	52,870	El Paso.
34,047	42,159	36.4	17,370	17,241	14.9	776	1,281	1.1	57,512	58,455	Erie.
11,182	16,728	26.4	6,771	9,623	15.2	2,558	5,000	7.9	29,586	33,752	Evanston.
15,437	13,303	13.0	3,145	2,082	2.0	6,412	6,535	6.4	49,480	52,769	Evansville.
58,615	58,321	50.6	42,331	32,078	27.8	371	507	.4	55,132	60,142	Fall River.
24,521	37,532	24.0	15,127	20,934	13.4	1,765	6,469	4.1	81,897	74,595	Flint.
20,764	20,580	17.9	6,634	5,729	5.0	1,476	2,441	2.1	56,270	58,676	Fort Wayne.
7,592	8,163	5.0	7,359	2,918	1.8	16,016	26,250	16.1	80,015	83,432	Fort Worth.
10,475	12,974	24.7	8,552	7,956	15.2	2,266	5,669	10.8	26,382	26,131	Fresno.
10,137	9,954	18.8	6,892	4,705	8.9	9,937	15,878	30.0	27,495	25,443	Galveston.
17,065	26,012	25.9	16,460	19,345	19.3	5,334	21,434	21.3	54,593	45,833	Gary.

[2] Hyde Park town annexed to Boston City between 1910 and 1920. Combined population, 1890, 458,670; 1900, 574,136; 1910, 686,092.

[4] Not distributed by nativity or race.

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No. 29.—Population Statistics of Cities Having

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890	1900	1910	1920	1930	1920	1930	
Glendale, Calif.			2,746	13,536	62,736	9,032	43,217	68.9
Grand Rapids, Mich.	60,278	87,565	112,571	137,634	168,592	56,079	79,450	47.1
Greensboro, N. C.	3,317	10,035	15,895	19,861	53,569	13,364	38,086	71.1
Hamilton, Ohio	17,565	23,914	35,279	39,675	52,176	27,201	40,112	76.9
Hammond, Ind.	5,428	12,376	20,925	36,004	64,560	14,953	34,606	53.6
Hamtramck, Mich.			3,559	48,615	56,268	2,073	4,185	7.4
Harrisburg, Pa.	39,385	50,167	64,186	75,917	80,339	59,268	62,204	77.4
Hartford, Conn.	53,230	79,850	98,915	138,036	164,072	40,327	45,582	27.8
Highland Park, Mich.		427	4,120	46,499	52,959	19,605	23,079	43.6
Hoboken, N. J.	43,648	59,364	70,324	68,166	59,261	14,473	13,372	22.6
Holyoke, Mass.	35,637	45,712	57,730	60,203	56,537	10,994	13,221	23.4
Houston, Tex.	27,557	44,633	78,800	138,276	292,352	72,433	173,692	59.4
Huntington, W. Va.	10,108	11,923	31,161	50,177	75,572	44,720	66,854	88.5
Indianapolis, Ind.	105,436	169,164	233,650	314,194	364,161	219,297	265,349	72.9
Irvington, N. J.		5,255	11,877	25,480	56,733	9,806	21,101	37.2
Jackson, Mich.	20,798	25,180	31,433	48,374	55,187	30,658	36,202	65.6
Jacksonville, Fla.	17,201	28,429	57,699	91,558	129,549	39,960	68,915	53.2
Jersey City, N. J.	163,003	206,433	267,779	298,103	316,715	87,083	100,101	31.6
Johnstown, Pa.	21,805	35,936	55,482	67,327	66,993	34,207	34,687	51.8
Kalamazoo, Mich.	17,853	24,404	39,437	48,487	54,786	27,873	34,009	62.1
Kansas City, Kans.	38,316	51,418	82,331	101,177	121,857	56,575	72,256	59.3
Kansas City, Mo.	132,716	163,752	248,381	324,410	399,746	209,134	270,885	67.8
Kenosha, Wis.	6,532	11,606	21,371	40,472	50,262	11,409	17,232	34.3
Knoxville, Tenn.	22,535	32,637	36,346	77,818	105,802	63,558	85,432	80.7
Lakewood, Ohio		3,355	15,181	41,732	70,509	20,557	38,279	54.3
Lancaster, Pa.	32,011	41,459	47,227	53,150	59,949	42,126	48,468	80.8
Lansing, Mich.	13,102	16,485	31,229	57,327	78,397	38,373	54,461	69.5
Lawrence, Mass.	44,654	62,559	85,892	94,270	85,068	12,325	14,039	16.5
Lincoln, Nebr.	55,154	40,169	43,973	54,948	75,933	33,381	50,501	66.5
Little Rock, Ark.	25,874	38,307	45,941	65,142	81,679	40,851	55,838	68.4
Long Beach, Calif.	564	2,252	17,809	55,593	142,032	37,888	99,992	70.4
Los Angeles, Calif.	50,395	102,479	319,198	576,673	1,238,048	294,458	618,028	49.9
Louisville, Ky.	161,129	204,731	223,928	234,891	307,745	139,403	212,121	68.9
Lowell, Mass.	77,696	94,969	106,294	112,759	100,234	24,676	26,929	26.9
Lynn, Mass.	55,727	68,513	89,336	99,148	102,320	33,988	34,370	33.6
Macon, Ga.	22,746	23,272	40,665	52,995	53,829	27,923	29,199	54.2
Madison, Wis.	13,426	19,164	25,531	38,378	57,899	19,145	35,085	60.6
Malden, Mass.	23,031	33,664	44,404	49,103	58,036	15,087	17,823	30.7
Manchester, N. H.	44,126	56,987	70,063	78,384	76,834	18,851	21,377	27.8
McKeesport, Pa.	20,741	34,227	42,694	46,781	54,632	16,284	20,368	37.3
Medford, Mass.	11,079	18,244	23,150	39,038	59,714	15,463	21,319	35.7
Memphis, Tenn.	64,495	102,320	131,105	162,351	253,143	82,795	137,074	54.1
Miami, Fla.		1,681	5,471	29,571	110,637	14,348	64,072	57.9
Milwaukee, Wis.	204,468	285,315	373,857	457,147	578,249	130,845	217,729	37.7
Minneapolis, Minn.	164,738	202,718	301,408	380,582	464,356	133,178	194,704	41.9
Mobile, Ala.	31,076	38,469	51,521	60,777	68,202	29,060	36,326	53.3
Montgomery, Ala.	21,883	30,346	38,136	43,464	66,079	21,145	33,734	51.1
Mount Vernon, N. Y.	10,830	21,228	30,919	42,726	61,499	15,010	20,386	33.1
Nashville, Tenn.	76,168	80,865	110,364	118,342	153,866	74,022	103,757	67.4
Newark, N. J.	181,830	246,070	347,469	414,524	442,337	113,413	108,574	24.5
New Bedford, Mass.	40,733	62,442	96,652	121,217	112,597	20,098	22,164	19.7
New Britain, Conn.	16,519	25,998	43,916	59,316	68,128	11,161	13,600	20.0
New Haven, Conn.	81,298	108,027	133,605	162,537	162,655	44,401	44,770	27.5
New Orleans, La.	242,039	287,104	339,075	387,219	458,762	190,641	242,282	52.8
New Rochelle, N. Y.	9,057	14,720	28,867	36,213	54,000	11,730	18,292	33.9
Newton, Mass.	24,379	33,587	39,806	46,054	65,276	20,148	29,631	45.4
New York, N. Y.[2]	2,507,414	3,437,202	4,766,883	5,620,048	6,930,446	1,164,834	1,505,200	21.7
Niagara Falls, N. Y.		19,457	30,445	50,760	75,460	13,477	20,596	27.3
Norfolk, Va.	34,871	46,624	67,452	115,777	129,710	57,759	72,687	56.0
Oakland, Calif.	48,682	66,960	150,174	216,261	284,063	90,279	131,755	46.4
Oak Park, Ill.			19,444	39,858	63,982	20,206	34,034	53.2
Oklahoma City, Okla.	4,151	10,037	64,205	91,295	185,389	71,446	154,179	83.2
Omaha, Nebr.[2]	140,452	102,555	124,096	191,601	214,006	86,525	108,433	50.7
Pasadena, Calif.	4,882	9,117	30,291	45,354	76,086	27,966	44,797	58.9
Passaic, N. J.	13,028	27,777	54,773	63,841	62,959	8,816	9,888	15.7

[1] Includes Indians, Chinese, Japanese, and other nonwhites.
[2] Population shown is for New York City as now constituted.

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IN 1930 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races [1]			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
2,738	12,660	20.2	1,561	5,762	9.2	205	1,097	1.7	29,785	32,951	Glendale.
52,038	58,865	34.9	28,355	27,240	16.2	1,162	3,037	1.8	82,340	86,252	Grand Rapids.
354	957	1.8	168	472	.9	5,975	14,054	26.2	25,566	28,003	Greensboro.
8,473	7,909	15.2	2,663	2,183	4.2	1,338	1,972	3.8	26,110	26,066	Hamilton.
12,765	19,552	30.3	8,118	9,687	15.0	168	715	1.1	33,639	30,921	Hammond.
21,458	27,901	49.6	23,062	20,025	35.6	2,022	4,157	7.4	30,096	26,172	Hamtramck.
7,242	8,014	10.0	4,144	3,704	4.6	5,263	6,417	8.0	38,833	41,506	Harrisburg.
52,687	67,357	41.1	40,667	44,528	27.1	4,355	6,605	4.0	80,015	84,057	Hartford.
13,789	14,239	26.9	12,661	14,362	27.1	444	1,279	2.4	27,367	25,592	Highland Park.
29,945	24,221	40.9	23,496	21,160	35.7	252	508	.9	32,634	26,627	Hoboken.
28,782	26,939	47.6	20,255	16,232	28.7	172	145	.3	26,918	29,619	Holyoke.
19,823	29,702	10.2	12,012	11,293	3.9	34,008	77,665	26.6	145,962	146,390	Houston.
1,834	2,974	3.9	732	1,097	1.5	2,891	4,647	6.1	37,081	38,491	Huntington.
43,156	40,975	11.3	16,958	13,740	3.8	34,783	44,097	12.1	176,647	187,514	Indianapolis.
10,058	22,258	39.2	5,508	13,239	23.3	108	135	.2	28,174	28,559	Irvington.
11,556	12,070	21.9	5,316	5,071	9.2	844	1,844	3.3	28,072	27,115	Jackson.
6,118	8,052	6.2	3,894	4,353	3.4	41,586	48,229	37.2	62,018	67,531	Jacksonville.
126,945	133,473	42.1	75,981	70,313	22.2	8,094	12,828	4.1	153,315	157,400	Jersey City.
19,307	21,060	31.4	12,142	9,478	14.1	1,671	1,768	2.6	33,579	33,414	Johnstown.
12,627	13,300	24.3	7,207	6,440	11.8	780	1,037	1.9	26,931	27,855	Kalamazoo.
18,472	19,312	15.8	11,656	7,593	6.2	14,474	22,696	18.6	60,867	60,990	Kansas City, Kans.
57,063	62,578	15.7	27,320	24,278	6.1	30,893	42,005	10.5	194,542	205,204	Kansas City, Mo.
16,235	20,520	40.8	12,714	12,257	24.4	114	253	.5	25,743	24,519	Kenosha.
2,141	2,449	2.3	812	824	.8	11,307	17,097	16.2	50,973	54,829	Knoxville.
13,809	22,424	31.8	7,255	9,647	13.7	111	159	.2	33,475	37,034	Lakewood.
7,387	7,405	12.4	2,714	2,778	4.6	923	1,298	2.2	28,618	31,331	Lancaster.
12,244	15,848	20.2	5,985	6,630	8.5	725	1,458	1.9	39,785	38,612	Lansing.
42,604	42,172	49.6	39,063	28,633	33.7	278	224	.3	41,502	43,566	Lawrence.
13,437	17,608	23.2	7,198	6,525	8.6	932	1,299	1.7	36,048	39,885	Lincoln.
5,008	4,743	5.8	1,798	1,373	1.7	17,485	19,725	24.1	38,609	43,070	Little Rock.
10,353	25,929	18.3	6,799	13,255	9.3	553	2,856	2.0	68,256	73,776	Long Beach.
140,349	273,708	22.1	112,057	181,848	14.7	29,909	164,464	13.3	610,678	627,370	Los Angeles.
43,745	39,243	12.8	11,621	8,983	2.9	40,122	47,398	15.4	148,084	159,661	Louisville.
49,793	46,994	46.9	38,040	26,129	26.1	250	182	.2	47,386	52,848	Lowell.
36,361	39,954	39.0	27,858	27,091	26.5	941	905	.9	49,891	52,429	Lynn.
1,277	1,010	1.9	698	455	.8	23,097	23,165	43.0	24,767	29,062	Macon.
14,068	17,127	29.6	4,852	5,274	9.1	313	413	.7	27,536	30,363	Madison.
19,365	23,595	40.7	14,105	15,964	27.5	546	654	1.1	27,728	30,308	Malden.
31,939	33,462	43.6	27,516	21,944	28.6	78	51	.1	36,818	40,016	Manchester.
17,678	21,032	38.5	11,870	11,122	20.4	949	2,110	3.9	27,994	26,638	McKeesport.
14,470	24,109	40.4	8,554	13,672	22.9	551	614	1.0	28,872	30,842	Medford.
12,543	14,192	5.6	5,775	5,262	2.1	61,238	96,615	38.2	120,581	132,562	Memphis.
3,358	13,171	11.9	2,563	8,218	7.4	9,302	25,176	22.8	54,629	56,008	Miami.
213,911	241,695	41.8	110,068	109,383	18.9	2,323	9,442	1.6	290,648	287,601	Milwaukee.
155,155	183,941	39.6	88,032	80,834	17.4	4,217	4,877	1.1	225,547	238,809	Minneapolis.
5,788	5,288	7.8	2,006	1,992	2.9	23,923	24,596	36.1	32,666	35,536	Mobile.
1,725	1,740	2.6	761	631	1.0	19,833	29,974	45.4	30,635	35,444	Montgomery.
16,258	23,163	37.7	10,090	14,279	23.2	1,368	3,671	6.0	29,634	31,865	Mount Vernon.
6,294	5,480	3.6	2,387	1,788	1.2	35,639	42,841	27.8	71,945	81,921	Nashville.
166,807	178,818	40.4	117,003	115,204	26.0	17,301	39,741	9.0	223,763	218,574	Newark.
47,355	49,371	43.8	48,689	37,333	33.2	5,075	3,729	3.3	54,137	58,460	New Bedford.
26,602	33,418	49.1	21,230	20,746	30.5	323	364	.5	34,294	33,834	New Britain.
67,729	72,393	44.5	45,686	40,091	24.6	4,721	5,401	3.3	79,549	83,106	New Haven.
69,283	65,766	14.3	25,992	19,681	4.3	101,303	131,033	28.6	219,250	239,512	New Orleans.
13,349	18,416	34.1	8,457	12,556	23.3	2,677	4,736	8.8	26,762	27,238	New Rochelle.
15,148	21,418	32.8	10,179	13,557	20.8	579	670	1.0	29,372	35,904	Newton.
2,303,082	2,788,625	40.2	1,991,547	2,293,400	33.1	160,585	343,221	5.0	3,472,956	3,457,490	New York.[5]
18,874	29,385	38.9	17,886	24,467	32.4	523	1,012	1.3	38,778	36,682	Niagara Falls.
7,890	8,488	6.5	6,587	4,339	3.3	43,551	44,196	34.1	65,049	64,661	Norfolk.
68,563	86,230	30.4	45,162	49,488	17.4	12,257	16,590	5.8	142,434	141,629	Oakland.
13,829	21,353	33.4	5,634	8,411	13.1	189	184	.3	30,058	33,924	Oak Park.
7,948	11,711	6.3	3,477	3,143	1.7	8,424	16,356	8.8	93,751	91,638	Oklahoma City.
59,140	64,436	30.1	35,381	28,788	13.5	10,555	12,349	5.8	105,896	108,110	Omaha.[6]
9,011	14,472	19.0	6,785	9,874	13.0	1,592	6,943	9.1	33,740	42,346	Pasadena.
28,042	29,856	47.4	26,365	21,338	33.9	618	1,877	3.0	31,324	31,635	Passaic.

[6] Omaha and South Omaha cities consolidated between 1910 and 1920. Combined population, 1890, 148,514; 1900, 128,556; 1910, 150,355.

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No. 29.—Population Statistics of Cities Having

City	Total population					Native white, native parentage		
						Number		Per cent, 1930
	1890	1900	1910	1920	1930	1920	1930	
Paterson, N. J.	78,347	105,171	125,600	135,875	138,513	31,824	33,838	24.4
Pawtucket, R. I.	27,633	39,231	51,622	64,248	77,149	14,780	20,394	26.4
Peoria, Ill.	41,024	56,100	66,950	76,121	104,969	46,213	73,758	70.3
Philadelphia, Pa.	1,046,964	1,293,697	1,549,008	1,823,779	1,950,961	698,782	740,598	38.0
Pittsburgh, Pa.	[7]343,904	[7]451,512	533,905	588,343	669,817	216,530	272,182	40.6
Pontiac, Mich.	6,200	9,769	14,532	34,273	64,928	20,031	38,178	58.8
Port Arthur, Tex.	----------	900	7,663	22,251	50,902	14,762	34,121	67.0
Portland, Me.	36,425	50,145	58,571	69,272	70,810	35,969	38,318	54.1
Portland, Oreg.	46,385	90,426	207,214	258,288	301,815	136,216	166,874	55.3
Providence, R. I.	132,146	175,597	224,326	237,595	252,981	63,728	70,772	28.0
Pueblo, Colo.	24,558	28,157	41,747	43,050	50,096	23,596	30,031	59.9
Quincy, Mass.	16,723	23,899	32,642	47,876	71,983	14,845	25,889	36.0
Racine, Wis.	21,014	29,102	38,002	58,593	67,542	17,211	25,049	37.1
Reading, Pa.	58,661	78,961	96,071	107,784	111,171	81,000	79,807	71.8
Richmond, Va.	81,388	85,050	127,628	171,667	182,929	102,956	115,536	63.2
Roanoke, Va.	16,159	21,495	34,874	50,842	69,206	39,000	54,153	78.2
Rochester, N. Y.	133,896	162,608	218,149	295,750	328,132	111,976	127,435	38.8
Rockford, Ill.	23,584	31,051	45,401	65,651	85,864	24,141	36,558	42.6
Sacramento, Calif.	26,386	29,282	44,696	65,908	93,750	32,696	47,436	50.6
Saginaw, Mich.	46,322	42,345	50,510	61,903	80,715	25,805	36,841	45.6
St. Joseph, Mo.	52,324	102,979	77,403	77,939	80,935	53,531	60,694	75.0
St. Louis, Mo.	451,770	575,238	687,029	772,897	821,960	359,482	438,592	53.4
St. Paul, Minn.	133,156	163,065	214,744	234,698	271,606	77,378	111,617	41.1
Salt Lake City, Utah	44,843	53,531	92,777	118,110	140,267	56,234	78,951	56.3
San Antonio, Tex.	37,673	53,321	96,614	161,379	231,542	76,299	99,602	43.0
San Diego, Calif.	16,159	17,700	39,578	74,361	147,995	41,333	86,933	58.8
San Francisco, Calif.	298,997	342,782	416,912	506,676	634,394	167,179	235,298	37.1
San Jose, Calif.	18,060	21,500	28,946	39,642	57,651	18,011	27,497	47.7
Savannah, Ga.	43,189	54,244	65,064	83,252	85,024	34,420	37,846	44.5
Schenectady, N. Y.	19,902	31,682	72,826	88,723	95,692	35,897	40,845	42.7
Scranton, Pa.	75,215	102,026	129,867	137,783	143,433	48,715	55,352	38.6
Seattle, Wash.	42,837	80,671	237,194	315,312	365,583	139,701	174,322	47.7
Shreveport, La.	11,979	16,013	28,015	43,874	76,655	22,747	43,901	57.3
Sioux City, Iowa	37,806	33,111	47,828	71,227	79,183	38,751	47,745	60.3
Somerville, Mass.	40,152	61,643	77,236	93,091	103,908	32,289	31,351	30.2
South Bend, Ind.	21,819	35,999	53,684	70,983	104,193	33,915	57,618	55.3
Spokane, Wash.	19,922	36,848	104,402	104,437	115,514	57,324	67,434	58.4
Springfield, Ill.	24,963	34,159	51,678	59,183	71,864	35,255	46,294	64.4
Springfield, Mass.	44,179	62,059	88,926	129,614	149,900	48,945	58,056	38.7
Springfield, Mo.	21,850	23,267	35,201	39,631	57,527	33,852	51,522	89.6
Springfield, Ohio	31,895	38,253	46,921	60,840	68,743	43,037	50,973	74.2
Syracuse, N. Y.	88,143	108,374	137,249	171,717	209,326	80,072	101,920	48.7
Tacoma, Wash.	36,006	37,714	83,743	96,965	106,817	44,657	52,217	48.9
Tampa, Fla.	5,532	15,839	37,782	51,608	101,161	17,542	43,096	42.6
Terre Haute, Ind.	30,217	36,673	58,157	66,083	62,810	48,976	48,337	77.0
Toledo, Ohio	81,434	131,822	168,497	243,164	290,718	124,055	165,182	56.8
Topeka, Kans.	31,007	33,608	43,684	50,022	64,120	33,594	45,759	71.4
Trenton, N. J.	57,458	73,307	96,815	119,289	123,356	44,195	42,397	34.4
Troy, N. Y.	60,956	60,651	76,813	71,996	72,763	33,080	37,428	51.4
Tulsa, Okla.	----------	1,390	18,182	72,075	141,258	55,660	111,981	79.2
Union City, N. J.[8]	10,643	15,187	21,023	20,651	58,659	5,807	15,098	25.7
Utica, N. Y.	44,007	56,383	74,419	94,156	101,740	33,751	38,293	37.6
Waco, Tex.	14,445	20,686	26,425	38,500	52,848	25,897	37,409	70.8
Washington, D. C.[8]	230,392	278,718	331,069	437,571	486,869	239,488	262,427	53.9
Waterbury, Conn.	28,646	45,859	73,141	91,715	99,902	22,122	26,066	26.1
Wheeling, W. Va.	34,522	38,878	41,641	56,208	61,659	34,059	38,938	63.2
Wichita, Kans.	23,853	24,671	52,450	72,217	111,110	58,052	91,599	82.4
Wilkes-Barre, Pa.	37,718	51,721	67,105	73,833	86,626	28,709	34,538	39.9
Wilmington, Del.	61,431	76,508	87,411	110,168	106,597	56,868	56,838	53.3
Winston-Salem, N. C.	10,729	13,650	22,700	48,395	75,274	26,911	41,499	55.1
Worcester, Mass.	84,655	118,421	145,986	179,754	195,311	50,716	58,699	30.1
Yonkers, N. Y.	32,033	47,931	79,803	100,176	134,646	30,059	41,788	31.0
York, Pa.	20,793	33,708	44,750	47,512	55,254	41,552	48,263	87.3
Youngstown, Ohio	33,220	44,885	79,066	132,358	170,002	46,459	62,605	36.8

[1] Includes Indians, Chinese, Japanese, and other nonwhite.
[7] Includes population of Allegheny, 1890, 105,287; 1900, 129,896.

Source: Bureau of the Census, Department of Commerce.

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IN 1930 OVER 50,000 INHABITANTS—Continued

Native white, foreign or mixed parentage			Foreign-born white			Negro and other races [1]			Sex, 1930		City
Number		Per cent, 1930	Number		Per cent, 1930	Number		Per cent, 1930	Male	Female	
1920	1930		1920	1930		1920	1930				
57,285	58,977	42.6	45,145	42,609	30.8	1,621	3,089	2.2	69,178	69,335	Paterson.
28,084	34,226	44.4	21,024	22,218	28.8	360	311	.4	37,314	39,835	Pawtucket.
19,964	21,241	20.2	7,790	6,736	6.4	2,154	3,234	3.1	52,512	52,457	Peoria.
591,471	619,235	31.7	397,927	368,624	18.9	135,599	222,504	11.4	968,281	982,680	Philadelphia.
213,465	233,063	34.8	120,266	109,072	16.3	38,082	55,500	8.3	332,576	337,241	Pittsburgh.
8,429	14,189	21.9	5,185	9,162	14.1	628	3,399	5.2	34,987	29,941	Pontiac.
2,153	3,284	6.5	1,413	1,570	3.1	3,923	11,927	23.4	26,766	24,136	Port Arthur.
19,692	20,502	29.0	13,229	11,671	16.5	382	319	.5	33,831	36,979	Portland, Me.
69,631	80,967	26.8	47,114	48,336	16.0	5,327	5,638	1.9	150,494	151,321	Portland, Oreg.
99,077	111,894	44.2	68,951	64,605	25.5	5,839	5,710	2.3	121,227	131,754	Providence.
10,546	10,378	20.7	7,393	4,722	9.4	1,515	4,965	9.9	25,304	24,792	Pueblo.
19,214	28,371	39.4	13,749	17,652	24.5	68	71	.1	35,439	36,544	Quincy.
24,858	27,602	40.9	16,199	14,288	21.2	325	603	.9	34,444	33,098	Racine.
16,298	19,813	17.8	9,553	9,563	8.6	933	1,988	1.8	54,555	56,616	Reading.
9,981	10,289	5.6	4,637	4,046	2.2	54,093	53,058	29.0	85,715	97,214	Richmond.
1,630	1,850	2.7	869	831	1.2	9,343	12,372	17.9	33,271	35,935	Roanoke.
110,792	123,163	37.5	71,321	74,696	22.8	1,661	2,838	.9	160,261	167,871	Rochester.
23,641	29,862	34.8	17,343	18,164	21.2	526	1,280	1.5	43,429	42,435	Rockford.
18,638	24,214	25.8	10,873	12,612	13.5	3,701	9,488	10.1	49,790	43,960	Sacramento.
24,119	27,803	34.4	11,605	11,099	13.8	374	4,972	6.2	40,804	39,821	Saginaw.
13,758	11,850	14.6	6,423	3,880	4.8	4,227	4,511	5.6	39,681	41,254	St. Joseph.
239,894	207,901	25.3	103,239	80,386	9.8	70,282	95,081	11.6	401,706	420,254	St. Louis.
102,198	110,885	40.8	51,595	44,143	16.3	3,527	4,961	1.8	131,570	140,036	St. Paul.
41,113	41,884	29.9	19,434	17,235	12.3	1,329	2,197	1.6	69,033	71,234	Salt Lake City.
33,854	28,096	10.0	36,646	8,039	3.5	14,580	100,805	43.5	113,676	117,866	San Antonio.
17,660	30,725	20.8	13,241	16,366	11.1	2,127	13,971	9.4	74,290	73,705	San Diego.
182,643	206,285	32.5	140,200	153,386	24.2	16,654	39,425	6.2	338,033	296,361	San Francisco.
12,952	18,637	32.3	7,820	9,631	16.7	859	1,886	3.3	28,277	29,374	San Jose.
6,363	5,772	6.8	3,247	2,451	2.9	39,222	38,955	45.8	39,540	45,484	Savannah.
31,858	33,980	35.5	20,490	20,161	21.1	478	706	.7	48,869	46,823	Schenectady.
59,931	61,888	43.1	28,568	25,430	17.7	569	763	.5	70,061	73,372	Scranton.
89,004	103,251	28.2	73,875	72,975	20.0	12,732	15,035	4.1	186,083	179,500	Seattle.
2,325	3,851	5.0	1,296	1,541	2.0	17,506	27,362	35.7	36,483	40,172	Shreveport.
20,026	21,488	27.1	11,216	8,501	10.7	1,234	1,449	1.8	39,295	39,888	Sioux City.
36,254	42,689	41.1	24,182	29,545	28.4	366	323	.3	50,065	53,843	Somerville.
22,390	29,051	27.9	13,391	14,020	13.5	1,287	3,504	3.4	52,555	51,638	South Bend.
29,230	30,703	26.6	16,826	16,190	14.0	1,057	1,187	1.0	57,816	57,698	Spokane.
14,893	15,978	22.2	6,255	6,245	8.7	2,780	3,347	4.7	34,544	37,320	Springfield.
46,604	55,967	37.3	31,250	32,642	21.8	2,815	3,235	2.2	72,688	77,212	Springfield.
3,137	3,380	5.9	973	838	1.5	1,669	1,787	3.1	27,502	30,025	Springfield.
8,005	7,353	10.7	2,757	2,135	3.1	7,041	8,282	12.0	33,887	34,856	Springfield.
57,979	70,244	33.6	32,321	35,010	16.7	1,345	2,152	1.0	103,680	105,646	Syracuse.
29,336	32,546	30.5	20,563	19,796	18.5	2,409	2,258	2.1	54,154	52,663	Tacoma.
11,837	22,296	22.0	10,666	14,430	14.3	11,563	21,339	21.1	49,747	51,414	Tampa.
9,779	8,320	13.2	3,667	2,665	4.2	3,661	3,488	5.6	30,326	32,484	Terre Haute.
75,185	78,085	26.9	38,145	33,474	11.5	5,779	13,977	4.8	147,691	143,027	Toledo.
8,102	8,548	13.3	4,000	2,295	3.6	4,326	7,518	11.7	30,461	33,659	Topeka.
40,634	46,082	37.4	30,073	26,757	21.7	4,387	8,120	6.6	61,938	61,418	Trenton.
26,827	24,454	33.6	11,477	10,203	14.0	612	678	.9	34,418	38,345	Troy.
5,216	9,275	6.6	2,025	2,690	1.9	9,174	17,362	12.3	70,114	71,144	Tulsa.
8,952	24,959	42.5	5,862	18,535	31.6	30	67	.1	29,116	29,543	Union City.[3]
36,756	41,642	40.9	23,257	21,309	20.9	392	496	.5	49,189	52,551	Utica.
3,098	3,178	6.0	1,767	1,184	2.2	7,738	11,077	21.0	25,516	27,332	Waco.
58,824	61,555	12.6	28,548	29,932	6.1	110,711	132,955	27.3	231,883	254,986	Wash., D. C.[2]
38,695	44,314	44.4	29,894	27,811	27.8	1,004	1,711	1.7	50,299	49,603	Waterbury.
14,720	15,441	25.0	5,796	5,071	8.2	1,633	2,209	3.6	29,852	31,807	Wheeling.
7,550	10,460	9.4	3,021	2,263	2.0	3,594	6,788	6.1	54,174	56,936	Wichita.
30,000	36,486	42.1	14,567	14,688	17.0	557	914	1.1	42,624	44,002	Wilkes-Barre.
26,235	25,029	23.5	16,279	12,592	11.8	10,786	12,138	11.4	53,297	53,300	Wilmington.
442	778	1.0	296	428	.6	20,746	32,569	43.3	35,792	39,482	Winston-Salem.
74,257	84,072	43.0	53,418	51,047	26.1	1,363	1,493	.8	95,488	99,823	Worcester.
42,419	55,381	41.1	25,700	34,065	25.3	1,998	3,412	2.5	66,827	67,819	Yonkers.
3,343	3,470	6.3	1,193	1,245	2.3	1,424	2,276	4.1	26,823	28,431	York.
45,302	59,565	35.0	33,834	32,938	19.4	6,763	14,894	8.8	86,739	83,263	Youngstown.

[1] Union and West Hoboken towns consolidated as Union City in 1925, combined population 1900, 38,281; 1910, 56,426; 1920, 60,725.

[2] Population shown is for District of Columbia, with which the city is now coextensive.

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No. 30.—MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER: BY SEX, RACE, AND NATIVITY, CONTINENTAL UNITED STATES

NOTE.—Figures for "All other" in 1930 include Mexicans; prior to 1930 Mexicans were classified for the most part as white. See footnote 2, Table 7. The marital condition of males and females 15 years of age and over by race and nativity for each geographic division and of white and negro persons for each State having a negro population of over 5 per cent of the total is shown in Statistical Abstract, 1931, Tables 23 and 24

Class	Males 15 years and over				Females 15 years and over			
	Number		Per cent		Number		Per cent	
	1920	1930	1920	1930	1920	1930	1920	1930
All classes	36,920,663	43,881,021	100.0	100.0	35,177,515	42,837,149	100.0	100.0
Single	12,967,565	14,953,712	35.1	34.1	9,616,902	11,306,653	27.3	26.4
Married	21,849,266	26,327,109	59.2	60.0	21,318,933	26,170,756	60.6	61.1
Widowed	1,758,308	2,025,036	4.8	4.6	3,917,625	4,734,207	11.1	11.1
Divorced	235,284	489,478	.6	1.1	273,304	573,148	.8	1.3
Unknown	110,240	85,686	.3	.2	50,751	52,385	.1	.1
White	33,335,586	39,214,156	100.0	100.0	31,654,841	38,230,239	100.0	100.0
Single	11,782,665	13,364,509	35.3	34.1	8,772,732	10,229,306	27.7	26.8
Married	19,698,113	23,603,312	59.1	60.2	19,210,238	23,444,243	60.7	61.3
Widowed	1,549,164	1,745,213	4.6	4.5	3,399,662	4,023,372	10.7	10.5
Divorced	207,663	428,073	.6	1.1	228,565	477,624	.7	1.2
Unknown	97,981	73,049	.3	.2	43,644	45,684	.1	.1
Native white, total	28,088,047	32,210,106	100.0	100.0	25,740,856	32,155,087	100.0	100.0
Single	9,927,618	11,858,592	38.1	36.8	7,936,933	9,459,175	30.8	29.4
Married	14,795,171	18,642,713	56.7	57.9	15,086,735	19,200,906	58.6	59.7
Widowed	1,111,115	1,282,341	4.3	4.0	2,480,407	3,030,472	9.6	9.4
Divorced	175,713	365,243	.7	1.1	200,909	425,682	.8	1.3
Unknown	73,430	61,217	.3	.2	35,872	38,852	.1	.1
Native white, native parentage	19,092,107	23,369,460	100.0	100.0	18,529,748	22,978,599	100.0	100.0
Single	6,776,518	8,054,686	35.5	34.5	5,268,490	6,254,818	28.4	27.2
Married	11,244,289	14,013,140	58.9	60.0	11,195,865	14,143,668	60.4	61.6
Widowed	874,821	976,085	4.6	4.2	1,885,000	2,227,860	10.2	9.7
Divorced	134,789	279,723	.7	1.2	152,743	324,768	.8	1.4
Unknown	61,690	45,826	.3	.2	27,650	27,485	.1	.1
Native white, foreign or mixed parentage	8,990,940	8,840,646	100.0	100.0	7,211,108	9,178,488	100.0	100.0
Single	3,151,100	3,803,906	45.1	43.0	2,668,443	3,204,357	37.0	34.9
Married	3,550,882	4,629,573	50.8	52.4	3,890,870	5,057,238	54.0	55.1
Widowed	236,294	306,256	3.4	3.5	595,407	802,612	8.3	8.7
Divorced	40,924	85,520	.6	1.0	48,166	100,914	.7	1.1
Unknown	11,740	15,391	.2	.2	8,222	11,367	.1	.1
Foreign-born white	7,252,539	7,004,050	100.0	100.0	5,913,985	6,065,142	100.0	100.0
Single	1,855,047	1,505,917	25.6	21.5	835,799	770,131	14.1	12.7
Married	4,902,942	4,960,599	67.6	70.8	4,123,503	4,243,337	69.7	70.0
Widowed	438,049	462,872	6.0	6.6	919,255	992,900	15.5	16.4
Divorced	31,950	62,830	.4	.9	27,656	51,942	.5	.9
Unknown	24,551	11,832	.3	.2	7,772	6,832	.1	.1
Negro	3,393,211	3,941,462	100.0	100.0	3,423,100	4,099,552	100.0	100.0
Single	1,104,877	1,270,950	32.6	32.2	825,258	953,806	24.1	23.3
Married	2,050,407	2,357,821	60.4	59.8	2,039,181	2,398,144	59.6	58.5
Widowed	200,734	247,595	5.9	6.3	507,961	652,663	14.8	15.9
Divorced	26,689	55,713	.8	1.4	43,871	88,868	1.3	2.2
Unknown	10,504	9,383	.3	.2	6,829	6,071	.2	.1
All other	191,866	725,403	100.0	100.0	99,574	517,368	100.0	100.0
Single	80,023	318,253	41.7	43.9	18,912	123,541	19.0	23.9
Married	100,746	365,976	52.5	50.5	69,514	328,369	69.8	63.5
Widowed	8,410	32,228	4.4	4.4	10,002	58,172	10.0	11.2
Divorced	932	5,692	.5	.8	868	6,656	.9	1.3
Unknown	1,755	3,254	.9	.4	278	630	.3	.1

Source: Bureau of the Census, Department of Commerce.

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No. 31.—FAMILIES BY TENURE, AND AVERAGE POPULATION PER FAMILY

NOTE.—A family is defined as a group of persons related either by blood or by marriage or adoption who live together as one household usually sharing the same table. Single persons living alone are counted as families, however, as are a few small groups of unrelated persons sharing the same living accommodations as "partners." In the 1920 count, inmates of an institution were treated as a single family as were also other quasi family groups. Families not reporting tenure are included in the totals for all families.

DIVISION AND STATE	All families		Owner families, 1930	Tenant families, 1930	Per cent of total				Average population per family [2]		
					Owners		Tenants				
	1920	1930 [1]			1920	1930	1920	1930	1920	1930, incl. inst.	1930, priv. only
Continental U. S.	**24,351,676**	**29,904,665**	**14,002,074**	**15,319,817**	**44.6**	**46.8**	**53.2**	**51.2**	**4.34**	**4.10**	**4.01**
New England	**1,703,812**	**1,981,499**	**915,441**	**1,042,521**	**39.2**	**46.2**	**59.3**	**52.6**	**4.34**	**4.11**	**4.00**
Maine	186,106	197,826	119,898	74,358	58.5	60.6	39.7	37.6	4.13	4.02	3.93
New Hampshire	108,334	119,337	64,823	53,078	48.7	54.3	49.1	44.5	4.09	3.89	3.79
Vermont	85,804	89,188	52,813	35,563	56.4	59.2	41.6	39.9	4.11	4.02	3.93
Massachusetts	874,798	1,021,160	439,238	569,645	34.4	43.0	64.5	55.8	4.40	4.15	4.03
Rhode Island	137,160	165,343	67,467	96,432	30.6	40.8	57.7	58.3	4.41	4.15	4.05
Connecticut	311,610	388,645	171,202	213,445	37.0	44.1	61.3	54.9	4.43	4.12	4.03
Middle Atlantic	**5,085,080**	**6,374,380**	**2,823,965**	**3,463,389**	**36.7**	**44.3**	**61.8**	**54.3**	**4.38**	**4.11**	**4.01**
New York	2,441,125	3,153,124	1,155,036	1,957,733	30.3	36.6	68.4	62.1	4.25	3.98	3.86
New Jersey	721,841	985,636	470,509	502,497	37.7	47.7	60.8	51.0	4.37	4.09	4.02
Pennsylvania	1,922,114	2,235,620	1,198,420	1,003,159	44.4	53.6	53.9	44.9	4.54	4.30	4.23
E. North Central	**5,143,913**	**6,362,823**	**3,395,203**	**2,868,065**	**51.4**	**53.4**	**46.8**	**45.1**	**4.17**	**3.97**	**3.88**
Ohio	1,414,068	1,697,918	912,295	763,650	50.9	53.7	47.7	45.0	4.07	3.91	3.83
Indiana	737,707	843,066	474,196	353,807	53.6	56.2	44.2	42.0	3.97	3.84	3.77
Illinois	1,534,077	1,929,396	882,999	1,017,115	42.9	45.8	55.2	52.7	4.23	3.94	3.84
Michigan	862,745	1,180,554	685,516	476,682	57.9	58.1	40.5	40.4	4.25	4.09	4.01
Wisconsin	595,316	711,889	440,197	256,811	62.5	61.8	35.7	36.1	4.42	4.12	4.04
W. North Central	**2,957,849**	**3,317,881**	**1,762,814**	**1,480,748**	**55.0**	**53.1**	**42.5**	**44.6**	**4.24**	**4.00**	**3.92**
Minnesota	526,026	606,496	349,908	243,696	59.4	57.7	38.4	40.2	4.54	4.21	4.11
Iowa	586,070	635,704	340,778	282,607	56.7	53.6	40.9	44.5	4.10	3.88	3.82
Missouri	829,043	939,476	459,810	461,203	48.4	48.9	49.3	49.1	4.11	3.85	3.76
North Dakota	134,881	145,005	81,352	57,399	62.9	56.1	33.4	39.6	4.80	4.68	4.62
South Dakota	142,793	161,013	82,482	72,902	59.3	51.2	37.2	45.3	4.46	4.29	4.24
Nebraska	303,436	342,999	181,369	152,835	55.7	52.9	41.4	44.6	4.27	4.01	3.94
Kansas	435,600	487,188	267,115	210,106	55.4	54.8	42.0	43.1	4.06	3.85	3.78
South Atlantic	**2,991,628**	**3,511,860**	**1,466,339**	**1,969,291**	**40.8**	**41.8**	**56.3**	**56.1**	**4.68**	**4.49**	**4.41**
Delaware	52,070	59,092	30,187	27,804	43.8	51.1	54.3	47.1	4.28	4.02	3.87
Maryland	324,742	385,179	208,563	169,359	49.0	54.1	49.3	44.0	4.46	4.23	4.11
Dist. of Col.	96,194	125,554	47,220	75,254	29.6	37.6	68.3	59.9	4.55	3.86	3.70
Virginia	483,363	529,089	272,208	247,497	50.1	51.4	47.9	46.8	4.78	4.57	4.48
West Virginia	310,098	373,941	168,543	198,736	45.6	45.1	51.8	53.1	4.72	4.62	4.55
North Carolina	513,377	644,033	279,946	349,555	45.9	43.5	50.9	54.3	4.98	4.91	4.85
South Carolina	349,126	365,680	111,257	248,335	31.0	30.4	65.2	67.9	4.82	4.75	4.70
Georgia	628,525	652,793	194,459	440,011	29.9	29.8	67.0	67.4	4.61	4.45	4.38
Florida	234,133	376,499	153,956	212,740	40.6	40.9	55.0	56.5	4.14	3.89	3.81
E. South Central	**1,977,381**	**2,273,359**	**924,989**	**1,298,272**	**41.6**	**40.7**	**56.7**	**57.1**	**4.50**	**4.34**	**4.29**
Kentucky	546,306	609,405	306,284	290,379	50.5	50.3	47.3	47.6	4.42	4.28	4.23
Tennessee	519,108	600,625	270,260	314,841	46.6	45.0	51.0	52.4	4.50	4.35	4.29
Alabama	508,769	591,625	198,472	381,466	33.9	33.5	62.8	64.5	4.62	4.47	4.42
Mississippi	403,198	471,704	149,973	311,586	33.0	31.8	64.0	66.1	4.44	4.25	4.22
W. South Central	**2,242,810**	**2,868,262**	**1,117,450**	**1,658,984**	**40.7**	**39.0**	**55.9**	**57.8**	**4.57**	**4.24**	**4.18**
Arkansas	390,960	438,639	168,767	251,897	43.8	38.5	53.3	57.4	4.48	4.22	4.19
Louisiana	389,913	485,363	165,731	307,273	32.4	34.1	63.8	63.3	4.61	4.32	4.26
Oklahoma	444,524	564,164	225,266	320,555	43.6	39.9	52.1	56.8	4.56	4.24	4.17
Texas	1,017,413	1,380,096	557,686	779,269	41.5	40.4	55.4	56.5	4.58	4.21	4.15
Mountain	**803,383**	**914,408**	**470,380**	**415,328**	**53.6**	**51.4**	**43.5**	**45.4**	**4.15**	**4.03**	**3.92**
Montana	139,912	136,210	71,419	59,636	58.5	52.4	38.1	43.8	3.92	3.92	3.79
Idaho	100,500	108,044	59,584	44,996	58.9	55.1	37.8	41.6	4.30	4.10	4.01
Wyoming	48,476	56,887	26,425	28,322	49.6	46.5	45.9	49.8	4.01	3.95	3.79
Colorado	230,843	267,324	131,571	127,979	50.6	49.2	47.4	47.9	4.07	3.86	3.74
New Mexico	83,706	98,546	54,439	40,428	57.5	55.2	39.3	41.0	4.30	4.28	4.22
Arizona	80,208	105,992	45,808	56,380	41.2	43.2	55.1	53.2	4.17	4.09	3.96
Utah	98,346	115,936	69,583	44,610	59.0	60.0	39.2	38.5	4.57	4.37	4.29
Nevada	21,862	25,469	11,551	12,977	45.5	45.4	50.0	51.0	3.54	3.54	3.32
Pacific	**1,445,350**	**2,300,161**	**1,125,493**	**1,123,209**	**46.7**	**48.9**	**50.8**	**48.8**	**3.85**	**3.54**	**3.38**
Washington	342,228	423,833	245,138	167,609	53.6	57.8	44.3	39.5	3.96	3.67	3.50
Oregon	202,890	266,328	154,283	106,712	53.6	57.9	44.2	40.1	3.86	3.56	3.43
California	900,232	1,610,030	726,072	848,888	42.5	45.1	54.8	52.7	3.81	3.51	3.34

[1] Private families only, excluding 75,178 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

[2] The first of the two averages shown for 1930 is obtained by dividing the total population by the combined number of private families and quasi family groups (institutions, hotels, etc.). This figure is strictly comparable with the 1920 average. The second average presented for 1930 is obtained by dividing the total population living in private families by the number of private families.

Source: Bureau of the Census, Department of Commerce.

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No. 32.—MARITAL CONDITION OF PERSONS

Division and State	Males 15 years of age and over								
	Number						Per cent of total		
	Total	Single	Married	Widowed	Divorced	Unknown	Single	Married	Widowed
Continental United States	**43,881,021**	**14,953,712**	**26,327,109**	**2,025,036**	**489,478**	**85,686**	**34.1**	**60.0**	**4.6**
New England	**2,901,430**	**1,024,340**	**1,701,884**	**146,012**	**24,588**	**4,606**	**35.3**	**58.7**	**5.0**
Maine	285,114	90,569	172,525	17,444	4,102	474	31.8	60.5	6.1
New Hampshire	168,465	54,469	100,586	10,680	2,545	185	32.3	59.7	6.3
Vermont	131,484	44,303	77,076	8,232	1,779	94	33.7	58.6	6.3
Massachusetts	1,501,904	545,566	870,510	72,410	10,610	2,808	36.3	58.0	4.8
Rhode Island	238,674	84,434	140,310	11,568	2,070	292	35.4	58.8	4.8
Connecticut	575,789	204,999	340,877	25,678	3,482	753	35.6	59.2	4.5
Middle Atlantic	**9,580,982**	**3,413,672**	**5,673,131**	**421,004**	**50,541**	**22,634**	**35.6**	**59.2**	**4.4**
New York	4,714,608	1,718,371	2,761,908	197,157	22,117	15,055	36.4	58.6	4.2
New Jersey	1,476,159	512,215	892,349	62,415	7,137	2,043	34.7	60.5	4.2
Pennsylvania	3,390,215	1,183,086	2,018,874	161,432	21,287	5,536	34.9	59.6	4.8
East North Central	**9,378,073**	**3,100,837**	**5,701,796**	**435,523**	**196,309**	**13,608**	**33.1**	**60.8**	**4.6**
Ohio	2,436,685	769,282	1,514,131	117,191	33,696	2,385	31.6	62.1	4.8
Indiana	1,185,534	351,910	750,884	62,775	18,076	1,889	29.7	63.3	5.3
Illinois	2,869,347	985,343	1,715,640	127,762	35,562	5,040	34.3	59.8	4.5
Michigan	1,806,530	601,745	1,095,563	78,849	28,161	2,212	33.3	60.6	4.4
Wisconsin	1,079,977	392,557	625,578	48,946	10,814	2,082	36.3	57.9	4.5
West North Central	**4,844,547**	**1,673,552**	**2,876,764**	**227,980**	**58,184**	**8,067**	**34.5**	**59.4**	**4.7**
Minnesota	939,795	367,844	520,870	41,981	8,135	965	39.1	55.4	4.5
Iowa	899,826	298,856	545,117	43,180	11,758	915	33.2	60.6	4.8
Missouri	1,330,551	415,233	825,917	68,248	18,442	2,711	31.2	62.1	5.1
North Dakota	241,350	104,297	125,670	9,269	1,611	503	43.2	52.1	3.8
South Dakota	249,409	97,168	138,870	10,447	2,314	610	39.0	55.7	4.2
Nebraska	498,502	172,548	297,725	21,694	5,645	890	34.6	59.7	4.4
Kansas	685,114	217,606	422,595	33,161	10,279	1,473	31.8	61.7	4.8
South Atlantic	**5,167,443**	**1,757,614**	**3,139,689**	**233,004**	**36,338**	**10,798**	**34.0**	**60.6**	**4.5**
Delaware	88,886	30,568	52,694	4,712	661	251	34.4	59.3	5.3
Maryland	588,895	205,202	348,063	28,854	4,869	1,907	34.8	59.1	4.9
District of Columbia	181,673	63,695	107,418	8,113	1,808	639	35.1	59.1	4.5
Virginia	802,623	284,780	473,870	35,948	5,801	2,224	35.5	59.0	4.5
West Virginia	575,638	195,006	352,122	22,899	5,183	428	33.9	61.2	4.0
North Carolina	968,308	336,359	589,236	37,605	3,815	1,293	34.7	60.9	3.9
South Carolina	516,766	180,416	312,653	21,918	1,418	361	34.9	60.5	4.2
Georgia	926,871	304,704	569,512	45,205	6,341	1,109	32.9	61.4	4.9
Florida	517,783	156,884	324,121	27,750	6,442	2,586	30.3	62.6	5.4
East South Central	**3,214,755**	**1,005,370**	**2,016,400**	**156,157**	**31,127**	**5,701**	**31.3**	**62.7**	**4.9**
Kentucky	870,198	270,339	546,342	43,573	9,005	939	31.1	62.8	5.0
Tennessee	864,634	270,671	541,796	41,673	8,269	2,225	31.3	62.7	4.8
Alabama	835,246	266,977	521,268	38,946	7,307	748	32.0	62.4	4.7
Mississippi	644,677	197,383	406,994	31,965	6,546	1,789	30.6	63.1	5.0
West South Central	**4,144,135**	**1,325,261**	**2,565,098**	**195,548**	**53,534**	**4,768**	**32.0**	**61.9**	**4.7**
Arkansas	613,805	183,707	389,325	33,197	7,057	519	29.9	63.4	5.4
Louisiana	692,160	230,262	422,503	32,460	6,121	814	33.3	61.0	4.7
Oklahoma	823,058	254,549	517,512	37,583	12,548	866	30.9	62.9	4.6
Texas	2,015,112	656,743	1,235,686	92,306	27,808	2,569	32.6	61.3	4.6
Mountain	**1,354,047**	**489,101**	**775,861**	**62,515**	**24,289**	**2,301**	**36.1**	**57.3**	**4.6**
Montana	211,910	86,283	111,496	9,397	4,338	396	40.7	52.6	4.4
Idaho	163,154	59,389	93,455	6,990	3,020	300	36.4	57.3	4.3
Wyoming	89,966	35,726	48,671	3,715	1,611	243	39.7	54.1	4.1
Colorado	379,165	125,015	227,494	18,895	6,938	823	33.0	60.0	5.0
New Mexico	141,079	47,817	83,537	7,938	1,678	109	33.9	59.2	5.6
Arizona	158,621	57,232	90,370	7,785	2,957	277	36.1	57.0	4.9
Utah	168,237	59,334	100,785	5,842	2,153	123	35.3	59.9	3.5
Nevada	41,915	18,305	20,053	1,953	1,574	30	43.7	47.8	4.7
Pacific	**3,295,609**	**1,163,965**	**1,886,558**	**147,295**	**84,588**	**13,203**	**35.3**	**57.2**	**4.5**
Washington	628,346	224,798	357,702	28,951	14,876	2,019	35.8	56.9	4.6
Oregon	381,529	130,768	221,806	18,332	10,126	497	34.3	58.1	4.8
California	2,285,734	808,399	1,307,050	100,012	59,586	10,687	35.4	57.2	4.4

Source: Bureau of the Census, Department of Commerce.

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15 YEARS OF AGE AND OVER: BY STATES, 1930

Females 15 years of age and over									Division and State
Number						Per cent of total			
Total	Single	Married	Widowed	Divorced	Unknown	Single	Married	Widowed	
42,837,149	11,306,653	26,170,756	4,734,207	573,148	52,385	26.4	61.1	11.1	U. S.
3,044,692	972,313	1,697,691	340,698	30,705	3,085	31.9	55.8	11.2	N. E.
283,484	72,768	172,270	33,899	4,211	336	25.7	60.8	12.0	Me.
171,907	48,174	99,922	21,148	2,534	129	28.0	58.1	12.3	N. H.
126,417	32,274	76,472	16,004	1,582	85	25.5	60.5	12.7	Vt.
1,620,410	551,892	869,725	181,875	15,020	1,898	34.1	53.7	11.2	Mass.
256,835	85,282	140,578	27,821	3,056	98	33.2	54.7	10.8	R. I.
585,639	181,923	338,724	60,151	4,302	539	31.1	57.8	10.3	Conn.
9,547,467	2,804,829	5,622,781	1,038,636	64,634	16,587	29.4	58.9	10.9	M. A.
4,721,139	1,417,657	2,738,973	522,983	30,596	10,930	30.0	58.0	11.1	N. Y.
1,470,247	416,041	884,506	158,585	9,678	1,437	28.3	60.2	10.8	N. J.
3,356,081	971,131	1,999,302	357,068	24,360	4,220	28.9	59.6	10.6	Pa.
8,961,167	2,246,305	5,640,326	934,140	132,226	9,170	25.1	62.9	10.4	E. N. C.
2,384,808	594,443	1,496,574	255,108	37,165	1,518	24.9	62.8	10.7	Ohio
1,155,964	262,586	744,990	128,917	18,458	1,013	22.7	64.4	11.2	Ind.
2,780,510	735,489	1,701,891	299,551	40,186	3,393	26.5	61.2	10.8	Ill.
1,629,915	373,677	1,075,586	154,241	25,259	1,152	22.9	66.0	9.5	Mich.
1,009,970	280,110	621,285	96,323	11,158	1,094	27.7	61.5	9.5	Wis.
4,632,669	1,295,894	2,865,534	475,523	61,908	3,810	28.5	61.9	10.3	W. N. C.
882,618	270,487	519,131	83,104	9,283	613	30.6	58.8	9.4	Minn.
872,053	226,333	543,432	89,464	12,224	600	26.0	62.3	10.3	Iowa
1,328,759	323,109	825,087	158,222	21,162	1,179	24.3	62.1	11.9	Mo.
205,764	65,124	124,632	14,292	1,474	242	31.6	60.6	6.9	N.Dak.
218,763	61,087	138,030	17,363	2,021	262	27.9	63.1	7.9	S. Dak.
471,298	123,988	296,670	44,089	6,072	479	26.3	62.9	9.4	Nebr.
653,414	155,766	418,552	68,989	9,672	435	23.8	64.1	10.6	Kans.
5,246,325	1,414,211	3,145,495	626,831	53,461	6,827	27.0	60.0	11.9	S. A.
85,276	22,203	52,344	9,937	731	61	26.0	61.4	11.7	Del.
582,733	158,968	346,675	69,352	5,853	1,885	27.3	59.5	11.9	Md.
204,556	61,709	109,427	29,766	2,992	662	30.2	53.5	14.6	D. C.
800,589	224,421	475,428	92,050	7,765	925	28.0	59.4	11.5	Va.
532,849	133,496	346,568	46,874	5,600	311	25.1	65.0	8.8	W. Va.
1,001,408	293,855	596,027	103,850	6,704	972	29.3	59.5	10.4	N. C.
553,365	160,775	318,837	70,694	2,667	392	29.1	57.6	12.8	S. C.
972,461	250,859	573,377	135,213	12,271	741	25.8	59.0	13.9	Ga.
513,588	107,925	326,812	69,095	8,878	878	21.0	63.6	13.5	Fla.
3,253,427	787,562	2,020,880	393,040	46,053	3,892	24.2	62.1	12.1	E. S. C.
855,056	204,684	543,928	95,357	10,411	676	23.9	63.6	11.2	Ky.
883,297	218,534	543,405	106,237	13,026	2,095	24.7	61.5	12.0	Tenn.
861,967	214,039	524,158	110,080	13,019	671	24.8	60.8	12.8	Ala.
653,107	150,305	409,389	81,366	11,597	450	23.0	62.7	12.5	Miss.
3,996,245	917,077	2,558,815	445,917	71,142	3,294	22.9	64.0	11.2	W. S. C.
595,127	126,357	388,783	70,231	9,421	335	21.2	65.3	11.8	Ark.
703,077	178,203	424,774	89,141	10,142	817	25.3	60.4	12.7	La.
764,569	162,964	513,982	72,782	14,397	444	21.3	67.2	9.5	Okla.
1,933,472	449,553	1,231,276	213,763	37,182	1,698	23.3	63.7	11.1	Tex.
1,173,018	274,065	761,361	116,611	19,968	1,013	23.4	64.9	9.9	Mt.
166,045	40,253	108,514	14,503	2,659	116	24.2	65.4	8.7	Mont.
136,154	31,359	91,745	10,927	1,995	128	23.0	67.4	8.0	Idaho
67,257	14,139	46,831	5,155	1,057	75	21.0	69.6	7.7	Wyo.
357,236	83,456	226,078	40,337	7,013	352	23.4	63.3	11.3	Colo
126,945	29,828	82,557	12,852	1,628	80	23.5	65.0	10.1	N.Mex.
133,547	28,613	87,791	14,650	2,348	145	21.4	65.7	11.0	Ariz.
158,726	41,308	99,613	15,338	2,357	110	26.0	62.8	9.7	Utah
27,108	5,109	18,232	2,849	911	7	18.8	67.3	10.5	Nev.
2,981,639	664,397	1,857,873	362,611	91,051	5,707	22.3	62.3	12.2	Pac.
545,790	122,694	352,486	56,054	13,701	875	22.5	64.6	10.3	Wash.
339,219	74,867	218,946	36,489	8,783	134	22.1	64.5	10.8	Oreg.
2,096,630	466,836	1,286,461	270,068	68,567	4,698	22.3	61.4	12.9	Calif.

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No. 33.—FAMILIES, BY COLOR AND NATIVITY OF HEAD, AND DWELLINGS BY CLASS, 1930

Division and State	Families [1]				Dwellings				Quasi family groups
	All classes	Native white	Foreign-born white	Negro	Total	1-family	2-family	3-or-more-family	
Continental U. S.	29,904,663	20,968,803	5,736,491	2,803,756	25,204,976	22,833,110	1,728,087	643,779	75,178
New England	1,981,499	1,203,304	753,231	22,864	1,453,222	1,124,368	224,255	104,601	5,928
Maine	197,826	158,687	38,633	259	172,988	155,406	13,929	3,653	551
New Hampshire	119,337	85,503	33,672	117	101,712	89,813	8,907	2,992	322
Vermont	89,188	72,922	16,117	135	79,455	72,356	5,778	1,321	244
Massachusetts	1,021,160	579,751	427,385	12,637	703,222	511,051	126,274	65,897	3,384
Rhode Island	165,343	89,926	72,711	2,542	115,293	81,152	23,065	11,076	469
Connecticut	388,645	216,515	164,713	7,174	280,552	214,588	46,302	19,662	958
Middle Atlantic	6,374,380	3,921,222	2,200,620	243,371	4,465,195	3,732,533	500,565	232,097	14,544
New York	3,153,124	1,753,641	1,297,716	95,621	1,735,056	1,299,216	275,924	159,916	8,988
New Jersey	985,636	576,991	358,984	48,636	721,143	580,836	99,590	40,717	1,991
Pennsylvania	2,235,620	1,590,590	543,920	99,114	2,008,996	1,852,481	125,051	31,464	3,565
East North Central	6,362,823	4,733,353	1,390,490	222,240	5,312,851	4,731,798	424,556	156,497	13,658
Ohio	1,697,918	1,339,077	281,756	75,709	1,474,893	1,335,303	107,024	32,566	2,923
Indiana	843,066	752,373	60,205	28,771	789,785	757,409	24,877	7,499	1,385
Illinois	1,929,396	1,313,653	530,272	78,737	1,405,127	1,153,819	163,079	88,229	5,054
Michigan	1,180,554	800,076	339,738	36,500	1,018,845	925,348	74,544	18,953	2,588
Wisconsin	711,889	528,174	178,519	2,523	624,201	559,919	55,032	9,250	1,708
West North Central	3,317,881	2,697,414	515,044	87,353	3,037,237	2,860,810	139,849	36,578	7,731
Minnesota	606,496	417,174	183,895	2,592	542,051	503,600	31,007	7,444	1,853
Iowa	635,704	547,258	82,870	4,571	604,001	583,180	16,622	4,199	1,188
Missouri	939,476	809,330	69,749	59,016	809,425	727,440	64,372	17,613	2,336
North Dakota	145,005	91,405	51,805	120	137,703	133,030	3,712	961	384
South Dakota	161,013	123,228	33,033	166	154,334	149,928	3,584	822	319
Nebraska	342,999	279,529	57,817	3,700	325,979	316,419	7,292	2,268	777
Kansas	487,188	429,490	35,875	17,688	463,744	447,213	13,260	3,271	874
South Atlantic	3,511,860	2,401,398	131,160	974,592	3,243,552	3,084,043	148,808	30,696	7,621
Delaware	59,092	44,331	7,056	7,682	54,940	52,234	2,016	690	201
Maryland	385,179	282,287	41,442	61,160	346,117	318,246	22,890	4,981	903
Dist. of Columbia	125,554	83,700	11,586	29,995	84,903	74,649	6,805	3,449	465
Virginia	529,089	377,676	10,373	140,726	492,575	466,083	22,550	3,942	984
West Virginia	373,941	325,305	22,258	26,274	352,749	336,834	13,301	2,614	723
North Carolina	644,033	457,087	3,762	180,128	614,292	589,545	21,844	2,903	1,218
South Carolina	365,680	194,768	2,362	168,324	345,265	329,370	13,334	2,561	589
Georgia	652,793	396,793	5,927	249,942	602,468	564,540	32,411	5,517	1,218
Florida	376,499	239,451	26,394	110,361	350,243	332,547	13,657	4,039	1,320
East South Central	2,273,359	1,591,095	27,341	653,847	2,127,537	2,013,878	97,793	15,866	3,437
Kentucky	609,405	538,218	10,470	60,672	566,329	533,615	27,286	5,428	966
Tennessee	600,625	474,078	6,066	120,402	558,153	528,242	24,815	5,096	965
Alabama	591,625	361,656	7,326	222,533	554,565	523,935	27,270	3,360	844
Mississippi	471,704	217,143	3,479	250,240	448,490	428,086	18,422	1,982	652
West South Central	2,868,262	2,066,970	81,776	564,918	2,686,296	2,554,712	107,385	24,199	6,072
Arkansas	438,639	310,328	5,074	123,009	419,381	403,295	14,065	2,021	645
Louisiana	485,363	276,508	16,548	190,876	458,380	438,565	16,334	3,481	1,051
Oklahoma	564,164	492,672	13,376	40,238	526,659	501,347	19,990	5,322	1,183
Texas	1,380,096	987,462	46,778	210,795	1,281,876	1,211,505	56,996	13,375	3,193
Mountain	914,408	694,118	136,437	8,743	846,808	809,645	27,600	9,563	4,148
Montana	136,210	97,796	34,135	458	126,854	122,144	3,357	1,353	809
Idaho	108,044	91,910	14,381	229	102,992	99,803	2,510	679	472
Wyoming	56,887	45,001	9,221	418	53,569	51,509	1,605	455	285
Colorado	267,324	210,335	41,476	3,538	242,548	230,607	8,304	3,637	1,099
New Mexico	98,546	75,405	3,707	799	92,530	87,921	3,824	785	279
Arizona	105,992	63,629	7,001	2,776	98,633	93,854	3,644	1,135	628
Utah	115,936	92,285	21,143	331	105,788	100,743	3,787	1,258	316
Nevada	25,469	17,757	5,373	194	23,894	23,064	569	261	260
Pacific	2,300,191	1,659,929	500,392	25,328	2,032,278	1,941,320	57,276	33,682	12,049
Washington	423,833	309,320	105,869	2,059	382,539	368,917	8,843	4,779	2,212
Oregon	266,328	216,260	46,669	674	246,558	239,069	4,941	2,548	1,356
California	1,610,030	1,134,349	347,854	22,595	1,403,181	1,333,334	43,492	26,355	8,481

[1] Private families only, excluding 75,178 institutions, hotels, etc. Totals for all classes includes "Other races" not shown.

Source: Bureau of the Census, Department of Commerce.

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No. 34.—URBAN AND RURAL POPULATION: By Classes and Age Groups, Continental United States

NOTE.—Prior to 1930 all incorporated places and also towns (townships) in Massachusetts, Rhode Island, and New Hampshire having 2,500 or more inhabitants, are classed as urban areas. For 1930, urban areas also include unincorporated political subdivisions with a total population of 10,000 or more inhabitants and a population density of 1,000 per square mile and include for the three New England States named above *only those towns* which contain a village of more than 2,500 inhabitants comprising either by itself or when combined with other villages within the same town more than 50 per cent of the population of the town. The total urban and rural population for 1880 to 1910 are as follows: Urban—1880, 14,358,167; 1890, 22,298,359; 1900, 30,380,433; 1910, 42,166,120; rural—1880, 35,797,616; 1890, 40,649,355; 1900, 45,614,142; 1910, 49,806,146; per cent urban—1880, 28.6; 1890, 35.4; 1900, 40.0; 1910, 45.8

Class	Number				Per cent distribution			
	Urban		Rural		Urban		Rural	
	1920	1930	1920	1930	1920	1930	1920	1930
Total	**54,304,603**	**68,954,823**	**51,406,017**	**53,820,223**	**100.0**	**100.0**	**100.0**	**100.0**
White	50,620,084	62,836,605	44,200,831	46,027,602	93.2	91.1	86.0	85.5
Negro	3,559,473	5,193,913	6,903,658	6,697,230	6.6	7.5	13.4	12.4
All other [1]	125,046	924,305	301,528	1,095,391	.2	1.3	.6	2.0
Native white:								
Native parentage	24,556,729	33,497,232	33,865,228	36,639,382	45.2	48.6	65.9	68.1
Foreign or mixed parentage	15,706,372	18,612,514	6,979,832	6,748,672	28.9	27.0	13.6	12.5
Foreign-born white	10,356,983	10,726,859	3,355,771	2,639,548	19.1	15.6	6.5	4.9

Class	Sex distribution, 1930					
	Urban			Rural		
	Male	Female	Males per 100 females	Male	Female	Males per 100 females
Total	**34,154,760**	**34,800,063**	**98.1**	**27,982,320**	**25,837,903**	**108.3**
White	31,162,570	31,674,035	98.4	24,001,284	22,026,318	109.0
Negro	2,479,158	2,714,755	91.3	3,376,511	3,320,719	101.7
All other	513,032	411,273	124.7	604,525	490,866	123.2
Native white:						
Native parentage	16,515,816	16,981,416	97.3	18,944,185	17,695,197	107.1
Foreign or mixed parentage	9,004,667	9,607,847	93.7	3,545,477	3,203,195	110.7
Foreign-born white	5,642,087	5,084,772	111.0	1,511,622	1,127,926	134.0

Class	Age distribution, 1930							
	Under 5 years	5 to 9 years	10 to 14 years	15 to 19 years	20 to 44 years	45 to 64 years	65 years and over	Unknown
URBAN POPULATION								
Total urban	**5,696,360**	**6,211,141**	**5,949,693**	**6,015,411**	**29,071,885**	**12,490,763**	**3,523,535**	**66,036**
Per cent of total	8.2	9.0	8.6	8.7	42.2	18.1	5.1	0.1
Male	2,855,018	3,128,686	2,970,019	2,881,288	14,351,722	6,034,095	1,627,928	36,004
Female	2,771,342	3,082,455	2,979,674	3,134,123	14,720,163	6,186,667	1,895,607	30,032
White	5,074,431	5,621,105	5,455,278	5,486,937	26,166,057	11,611,834	3,366,066	54,897
Negro	427,607	468,357	407,867	447,155	2,520,611	773,870	139,108	9,338
All other	124,322	121,679	86,548	81,319	385,217	105,058	18,361	1,801
Native white:								
Native parentage	3,517,183	3,597,690	3,171,407	3,053,878	13,545,214	5,077,408	1,495,526	38,926
Foreign or mixed parentage	1,533,643	1,920,459	2,160,882	2,156,157	7,315,446	2,797,669	720,309	7,949
Foreign-born white	23,605	102,956	122,989	276,902	5,305,397	3,736,757	1,150,231	8,022
RURAL POPULATION								
Total rural	**5,818,030**	**6,396,468**	**6,055,184**	**5,536,704**	**17,951,362**	**8,924,219**	**3,110,270**	**27,986**
Per cent of total	10.8	11.9	11.3	10.3	33.4	16.6	5.8	0.1
Male	2,951,156	3,252,422	3,098,758	2,876,537	9,223,378	4,866,974	1,697,283	15,812
Female	2,866,874	3,144,046	2,956,426	2,660,167	8,727,984	4,057,245	1,412,987	12,174
White	4,852,965	5,335,039	5,091,004	4,624,647	15,365,687	7,890,311	2,845,517	22,432
Negro	802,599	900,024	843,675	803,373	2,197,204	912,351	233,611	4,393
All other	162,466	161,405	120,505	108,684	388,471	121,557	31,142	1,161
Native white:								
Native parentage	4,421,982	4,723,348	4,356,945	3,878,625	11,865,306	5,440,380	1,934,361	18,435
Foreign or mixed parentage	426,800	592,956	709,312	698,294	2,550,107	1,364,914	404,094	2,195
Foreign-born white	4,183	18,735	24,747	47,728	950,274	1,085,017	507,062	1,802

[1] For 1930 includes Mexicans. See note 2, Table 7.

Source: Bureau of the Census, Department of Commerce.

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No. 35.—URBAN AND RURAL POPULATION, BY STATES

NOTE.—See headnote, Table 34. The proportion of urban and rural population in 1930 as compared with data for earlier censuses was affected by changes in the classification. If the segregation of urban and rural had been made in 1930 on the same basis as in 1920, the per cent urban in 1930 for the areas affected would have been as follows: United States, 55.9; New Hampshire, 66.3; Massachusetts, 95.3; Rhode Island, 97.5; Connecticut, 65.0; New York, 83.4; New Jersey, 77.5; Pennsylvania, 65.7; California, 72.4

Division and State	1910		1920		1930		Per cent urban		
	Urban	Rural	Urban	Rural	Urban	Rural	1910	1920	1930
Continental United States	42,166,120	49,806,148	54,304,603	51,406,617	68,954,823	53,820,223	45.8	51.4	56.2
New England	4,998,082	1,554,599	5,865,073	1,535,836	6,311,976	1,854,365	76.3	79.2	77.3
Maine	262,248	480,123	299,569	468,445	321,506	475,917	35.3	39.0	40.3
New Hampshire [1]	255,099	175,473	279,761	163,322	273,079	192,214	59.2	63.1	58.7
Vermont	98,917	257,039	109,976	242,452	118,766	240,845	27.8	31.2	33.0
Massachusetts [1]	3,125,367	241,049	3,650,248	202,108	3,831,426	418,188	92.8	94.8	90.2
Rhode Island [1]	524,654	17,956	589,180	15,217	635,429	52,068	96.7	97.5	92.4
Connecticut [1]	731,797	382,959	936,339	444,292	1,131,770	475,133	65.6	67.8	70.4
Middle Atlantic	13,723,373	5,592,519	16,672,595	5,588,549	20,394,707	5,866,043	71.0	74.9	77.7
New York [1]	7,185,494	1,928,120	8,589,844	1,795,383	10,521,952	2,066,114	78.8	82.7	83.6
New Jersey [1]	1,907,210	629,957	2,474,936	680,964	3,339,244	702,090	75.2	78.4	82.6
Pennsylvania [1]	4,630,669	3,034,442	5,607,815	3,112,202	6,533,511	3,097,839	60.4	64.3	67.8
East North Central	9,617,271	8,633,350	13,049,279	8,426,271	16,794,908	8,502,277	52.7	60.8	66.4
Ohio	2,665,143	2,101,978	3,677,136	2,082,258	4,507,371	2,139,326	55.9	63.8	67.8
Indiana	1,143,835	1,557,041	1,482,855	1,447,535	1,795,892	1,442,611	42.4	50.6	55.5
Illinois	3,476,928	2,161,662	4,403,153	2,082,127	5,635,727	1,994,927	61.7	67.9	73.9
Michigan	1,327,044	1,483,129	2,241,560	1,426,852	3,302,075	1,540,250	47.2	61.1	68.2
Wisconsin	1,004,320	1,329,540	1,244,568	1,387,499	1,553,843	1,385,163	43.0	47.3	52.9
West North Central	3,873,716	7,764,205	4,727,372	7,816,877	5,556,181	7,740,784	33.3	37.7	41.8
Minnesota	850,294	1,225,414	1,051,593	1,335,532	1,257,616	1,306,337	41.0	44.1	49.0
Iowa	680,054	1,544,717	875,495	1,528,526	979,292	1,491,647	30.6	36.4	39.6
Missouri	1,398,817	1,894,518	1,586,903	1,817,152	1,859,119	1,770,248	42.5	46.6	51.2
North Dakota	63,236	513,820	88,239	558,633	113,306	567,539	11.0	13.6	16.6
South Dakota	76,673	507,215	101,872	534,675	130,907	561,942	13.1	16.0	18.9
Nebraska	310,852	881,362	405,306	891,066	486,107	891,856	26.1	31.3	35.3
Kansas	493,790	1,197,159	617,964	1,151,293	729,834	1,151,165	29.2	34.9	38.8
South Atlantic	3,092,153	9,102,742	4,338,792	9,651,480	5,698,122	10,095,467	25.4	31.0	36.1
Delaware	97,085	105,237	120,767	102,236	123,146	115,234	48.0	54.2	51.7
Maryland	658,192	637,154	869,422	580,239	974,869	656,657	50.8	60.0	59.8
District of Columbia	331,069		437,571		486,869		100.0	100.0	100.0
Virginia	476,529	1,585,083	673,984	1,635,203	785,537	1,636,314	23.1	29.2	32.4
West Virginia	228,242	992,877	369,007	1,094,694	491,504	1,237,701	18.7	25.2	28.4
North Carolina	318,474	1,887,813	490,370	2,068,753	809,847	2,360,429	14.4	19.2	25.5
South Carolina	224,832	1,290,568	293,987	1,389,737	371,080	1,367,685	14.8	17.5	21.3
Georgia	538,650	2,070,471	727,859	2,167,973	895,492	2,013,014	20.6	25.1	30.8
Florida	219,080	533,539	355,825	612,645	759,778	708,433	29.1	36.7	51.7
East South Central	1,574,229	6,835,672	1,994,207	6,899,100	2,778,687	7,108,527	18.7	22.4	28.1
Kentucky	555,442	1,734,463	633,543	1,783,087	799,026	1,815,563	24.3	26.2	30.6
Tennessee	441,045	1,743,744	611,226	1,726,659	896,538	1,720,018	20.2	26.1	34.3
Alabama	370,431	1,767,662	509,317	1,838,857	744,273	1,901,975	17.3	21.7	28.1
Mississippi	207,311	1,589,803	240,121	1,550,497	338,850	1,670,971	11.5	13.4	16.9
West South Central	1,957,456	6,827,078	2,970,829	7,271,395	4,427,439	7,749,391	22.3	29.0	36.4
Arkansas	202,681	1,371,768	290,497	1,461,707	382,878	1,471,604	12.9	16.6	20.6
Louisiana	496,516	1,159,872	628,163	1,170,346	833,532	1,268,061	30.0	34.9	39.7
Oklahoma	320,155	1,337,000	539,480	1,488,803	821,681	1,574,359	19.3	26.6	34.3
Texas	938,104	2,958,438	1,512,689	3,150,539	2,389,348	3,435,367	24.1	32.4	41.0
Mountain	947,511	1,686,006	1,214,980	2,131,121	1,457,922	2,243,867	36.0	36.4	39.4
Montana	133,420	242,633	172,011	376,878	181,036	356,570	35.5	31.3	33.7
Idaho	69,898	255,696	119,037	312,829	129,507	315,525	21.5	27.6	29.1
Wyoming	43,221	102,744	57,348	137,054	70,097	155,468	29.6	29.5	31.1
Colorado	404,840	394,184	453,259	436,370	519,882	515,909	50.7	48.2	50.2
New Mexico	46,571	280,730	64,960	295,390	106,816	316,501	14.2	18.0	25.2
Arizona	63,260	141,094	117,527	216,635	149,856	285,717	31.0	35.2	34.4
Utah	172,934	200,417	215,584	233,812	266,264	241,583	46.3	48.0	52.4
Nevada	13,367	68,508	15,254	62,153	34,464	56,594	16.3	19.7	37.8
Pacific	2,382,329	1,809,975	3,471,483	2,095,388	5,534,881	2,659,552	56.8	62.4	67.6
Washington	605,530	536,460	748,735	607,886	884,539	678,857	53.0	55.2	56.6
Oregon	307,060	365,705	391,019	392,370	489,746	464,040	45.6	49.9	51.3
California [1]	1,469,739	907,810	2,331,729	1,095,132	4,160,596	1,516,655	61.8	68.0	73.3

[1] See headnote.

Source: Bureau of the Census, Department of Commerce.

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No. 36.—FARM POPULATION AND RURAL NONFARM POPULATION: By States

Division and State	Farm population				Rural-farm population		Urban-farm population		Rural nonfarm population, 1930
	Number		Per cent of total population						
	1920	1930	1920	1930	1920	1930	1920	1930	
Continental U. S.	31,614,269	30,445,350	29.9	24.8	31,358,640	30,157,513	255,629	287,837	23,662,710
New England	625,877	573,251	8.5	7.0	535,422	499,063	90,455	74,188	1,355,282
Maine	197,601	170,995	25.7	21.4	189,026	161,429	8,575	9,566	314,488
New Hampshire	76,021	62,850	17.2	13.5	64,607	54,911	11,414	7,939	137,303
Vermont	125,263	112,904	35.5	31.4	124,445	111,898	818	1,006	128,947
Massachusetts	118,554	123,255	3.1	2.9	61,732	80,309	56,822	42,946	337,879
Rhode Island	15,136	16,477	2.5	2.4	5,315	10,289	9,821	6,188	41,779
Connecticut	93,302	86,770	6.8	5.4	90,297	80,247	3,005	6,523	394,886
Middle Atlantic	1,892,789	1,707,719	8.5	6.5	1,861,161	1,673,694	31,628	34,025	4,192,349
New York	800,747	719,929	7.7	5.7	782,954	706,446	17,793	13,483	1,359,668
New Jersey	143,708	131,096	4.6	3.2	136,847	121,008	6,861	10,088	581,082
Pennsylvania	948,334	856,694	10.9	8.9	941,360	846,240	6,974	10,454	2,251,599
East North Central	4,913,633	4,488,933	22.9	17.7	4,887,204	4,453,114	26,429	35,819	4,049,163
Ohio	1,139,329	1,013,229	19.8	15.2	1,133,912	1,004,288	5,417	8,941	1,135,038
Indiana	907,295	813,007	31.0	25.1	902,820	808,981	4,475	4,026	633,630
Illinois	1,098,262	999,249	16.9	13.1	1,090,736	991,401	7,526	7,848	1,003,526
Michigan	848,710	782,394	23.1	16.2	844,499	775,436	4,211	6,958	764,814
Wisconsin	920,037	881,054	35.0	30.0	915,237	873,008	4,800	8,046	512,155
West North Central	5,171,596	5,068,135	41.2	38.1	5,153,183	5,035,561	18,413	32,574	2,705,173
Minnesota	897,181	895,349	37.6	34.9	893,460	888,049	3,721	7,300	418,288
Iowa	984,799	977,906	41.0	39.6	977,694	964,659	7,105	13,247	526,988
Missouri	1,211,346	1,114,484	35.6	30.7	1,207,899	1,108,969	3,447	5,515	661,279
North Dakota	394,500	397,294	61.0	58.4	393,622	396,871	878	423	170,668
South Dakota	362,221	390,205	56.9	56.3	361,886	389,431	335	774	172,511
Nebraska	584,172	585,701	45.1	42.5	582,738	582,981	1,434	2,720	308,875
Kansas	737,377	707,196	41.7	37.6	735,884	704,601	1,493	2,595	446,564
South Atlantic	6,416,698	5,898,176	45.9	37.3	6,397,757	5,878,956	18,941	19,220	4,216,511
Delaware	51,212	46,530	23.0	19.5	51,151	46,302	61	228	68,932
Maryland	279,225	237,456	19.3	14.6	277,656	236,172	1,569	1,284	420,485
Dist. of Columbia	894	435	.2	.1			894	435	
Virginia	1,064,417	950,757	46.1	39.3	1,059,913	948,746	4,504	2,011	687,568
West Virginia	477,924	449,114	32.7	26.0	476,631	447,750	1,293	1,364	789,951
North Carolina	1,501,227	1,599,918	58.7	50.5	1,499,946	1,597,220	1,281	2,698	763,209
South Carolina	1,074,693	916,471	63.8	52.7	1,072,479	914,098	2,214	2,373	453,587
Georgia	1,685,213	1,418,514	58.2	48.8	1,680,611	1,413,719	4,602	4,795	599,295
Florida	281,893	278,981	29.1	19.0	279,370	274,949	2,523	4,032	433,484
East South Central	5,182,937	5,095,096	58.3	51.5	5,174,806	5,084,435	8,131	10,661	2,024,092
Kentucky	1,304,862	1,176,524	54.0	45.0	1,302,342	1,174,232	2,520	2,292	641,331
Tennessee	1,271,708	1,215,452	54.4	46.5	1,269,179	1,213,065	2,529	2,387	506,953
Alabama	1,336,885	1,340,277	56.9	50.6	1,334,513	1,336,409	1,372	3,868	565,566
Mississippi	1,270,482	1,362,843	71.0	67.8	1,268,772	1,360,729	1,710	2,114	310,242
West South Central	5,228,199	5,326,412	51.0	43.7	5,210,570	5,307,939	17,629	18,473	2,441,452
Arkansas	1,147,049	1,119,464	65.5	60.4	1,144,482	1,117,330	2,567	2,134	364,274
Louisiana	786,050	830,606	43.7	39.5	784,455	826,882	1,595	3,724	441,179
Oklahoma	1,017,327	1,024,070	50.2	42.7	1,015,899	1,021,174	1,428	2,896	553,185
Texas	2,277,773	2,352,272	48.8	40.4	2,265,734	2,342,553	12,039	9,719	1,092,814
Mountain	1,168,367	1,138,718	35.0	30.8	1,152,993	1,123,693	15,374	15,025	1,120,174
Montana	225,667	204,594	41.1	38.1	225,389	203,962	278	632	152,608
Idaho	200,902	188,365	46.5	42.3	196,563	186,100	4,339	2,265	129,425
Wyoming	67,306	73,152	34.6	32.4	67,076	72,905	230	247	82,563
Colorado	266,073	282,827	28.3	27.3	265,281	281,038	792	1,789	234,871
New Mexico	161,446	158,631	44.8	37.5	160,542	157,906	904	725	158,595
Arizona	90,560	98,995	27.1	22.7	90,167	98,819	393	176	186,898
Utah	140,249	115,713	31.2	22.8	131,872	106,667	8,377	9,046	134,916
Nevada	16,164	16,441	20.9	18.1	16,103	16,296	61	145	40,298
Pacific	1,014,173	1,148,910	18.2	14.0	985,544	1,101,038	28,629	47,872	1,558,514
Washington	283,382	304,737	20.9	19.5	280,022	300,143	3,360	4,594	378,714
Oregon	214,021	223,667	27.3	23.5	212,009	221,545	2,012	2,122	242,495
California	516,770	620,506	15.1	10.9	493,513	579,350	23,257	41,156	937,305

Source: Bureau of the Census, Department of Commerce.

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No. 37.—POPULATION IN PLACES OF 8,000 INHABITANTS OR MORE

Year	Total population	Places of 8,000 inhabitants or more			Year	Total population	Places of 8,000 inhabitants or more		
		Population	Number of places	Per cent of total population			Population	Number of places	Per cent of total population
1790	3,929,214	131,472	6	3.3	1870	38,558,371	8,071,875	226	20.9
1800	5,308,483	210,873	6	4.0	1880	50,155,783	11,365,698	285	22.7
1810	7,239,881	356,920	11	4.9	1890	62,947,714	18,244,239	445	29.0
1820	9,638,453	475,135	13	4.9	1900	75,994,575	25,018,335	547	32.9
1830	12,866,020	864,509	26	6.7	1910	91,972,266	35,570,334	768	38.7
1840	17,069,453	1,453,994	44	8.5	1920	105,710,620	46,307,640	924	43.8
1850	23,191,876	2,897,586	85	12.5	1930	122,775,046	60,333,452	1,208	49.1
1860	31,443,321	5,072,256	141	16.1					

No. 38.—DISTRIBUTION OF POPULATION IN GROUPS OF CITIES AND IN RURAL TERRITORY

NOTE.—For definition of urban and rural population see Table 34

Class	1900		1910		1920	
	Number of places	Population	Number of places	Population	Number of places	Population
Total		**75,994,575**		**91,972,266**		**105,710,620**
Urban territory	**1,801**	**30,380,433**	**2,313**	**42,166,120**	**2,787**	**54,304,603**
Places of 1,000,000 or more	3	6,429,474	3	8,501,174	3	10,145,532
Places of 500,000 to 1,000,000	3	1,645,087	5	3,010,667	9	6,223,769
Places of 250,000 to 500,000	9	2,861,296	11	3,949,839	13	4,540,838
Places of 100,000 to 250,000	23	3,272,490	31	4,840,458	43	6,519,187
Places of 50,000 to 100,000	40	2,709,338	59	4,178,915	76	5,265,747
Places of 25,000 to 50,000	82	2,800,627	119	4,026,045	143	5,075,041
Places of 10,000 to 25,000	280	4,338,250	367	5,524,434	459	6,942,742
Places of 5,000 to 10,000	468	3,220,766	612	4,254,856	721	4,997,794
Places of 2,500 to 5,000	893	3,103,105	1,106	3,879,732	1,320	4,593,953
Rural territory		**45,614,142**		**49,806,146**		**51,406,017**
Incorporated places of less than 2,500	8,930	6,301,533	11,832	8,169,149	12,857	8,969,241
Other rural territory		39,312,609		41,636,997		42,436,776

Class	1930		Per cent of total population			
	Number of places	Population	1900	1910	1920	1930
Total		**122,775,046**	**100.0**	**100.0**	**100.0**	**100.0**
Urban territory	**3,165**	**68,954,823**	**40.0**	**45.8**	**51.4**	**56.2**
Places of 1,000,000 or more	5	15,064,555	8.5	9.2	9.6	12.3
Places of 500,000 to 1,000,000	8	5,763,987	2.2	3.3	5.9	4.7
Places of 250,000 to 500,000	24	7,956,228	3.8	4.3	4.3	6.5
Places of 100,000 to 250,000	56	7,540,966	4.3	5.3	6.2	6.1
Places of 50,000 to 100,000	98	6,491,448	3.6	4.5	5.0	5.3
Places of 25,000 to 50,000	185	6,425,693	3.7	4.4	4.8	5.2
Places of 10,000 to 25,000	606	9,097,200	5.7	6.0	6.6	7.4
Places of 5,000 to 10,000	851	5,897,156	4.2	4.6	4.7	4.8
Places of 2,500 to 5,000	1,332	4,717,590	4.1	4.2	4.3	3.8
Rural territory		**53,820,223**	**60.0**	**54.2**	**48.6**	**43.8**
Incorporated places of less than 2,500	13,433	9,183,453	8.3	8.9	8.5	7.5
Other rural territory		44,636,770	51.7	45.3	40.1	36.4

Source of Tables 37 and 38: Bureau of the Census, Department of Commerce.

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No. 39.—URBAN AND RURAL POPULATION: MARITAL CONDITION OF PERSONS 15 YEARS OF AGE AND OVER, BY SEX, 1920, AND BY SEX, RACE, NATIVITY, AND PARENTAGE, 1930, CONTINENTAL UNITED STATES

Class	Persons 15 years of age and over					Per cent of total			
	Total [1]	Single	Married	Widowed	Divorced	Single	Married	Widowed	Divorced
1920									
Urban population:									
Males	19,695,500	6,982,294	11,605,237	897,500	142,778	35.5	58.9	4.6	.7
Females	19,618,764	5,698,673	11,310,188	2,395,622	186,181	29.0	57.6	12.2	.6
Rural population:									
Males	17,225,163	5,985,271	10,244,029	860,808	92,506	34.7	59.5	5.0	.5
Females	15,558,751	3,918,229	10,008,745	1,522,003	87,123	25.2	64.3	9.8	.6
1930									
URBAN POPULATION									
Males, total	25,201,037	8,501,813	15,242,615	1,086,856	316,383	33.7	60.5	4.3	1.3
White	23,012,886	7,769,480	13,957,981	955,319	282,736	33.8	60.7	4.2	1.2
Negro	1,842,029	576,114	1,112,731	118,454	30,809	31.3	60.4	6.4	1.7
All other	346,122	156,219	171,903	13,083	2,838	45.1	49.7	3.8	.8
Native white—									
Native parentage	11,322,687	3,843,634	6,850,950	429,680	172,211	33.9	60.5	3.8	1.5
Foreign or mixed parentage	6,173,365	2,748,154	3,154,845	195,869	62,597	44.5	51.1	3.2	1.0
Foreign-born white	5,516,834	1,177,692	3,952,186	329,770	47,928	21.3	71.6	6.0	.9
Females, total	25,968,592	7,228,694	15,199,397	3,076,806	426,658	27.8	58.5	11.8	1.6
White	23,672,905	6,713,677	13,891,824	2,668,272	367,865	28.4	58.7	11.3	1.6
Negro	2,048,053	454,635	1,158,802	376,331	54,790	22.2	56.6	18.4	2.7
All other	245,634	60,382	148,771	32,203	4,003	24.6	60.6	13.1	1.6
Native white—									
Native parentage	11,888,265	3,473,117	6,908,964	1,252,402	237,642	29.2	58.1	10.5	2.0
Foreign or mixed parentage	6,824,165	2,560,477	3,555,597	613,842	84,950	37.5	52.1	9.0	1.2
Foreign-born white	4,960,475	680,083	3,427,363	802,028	45,273	13.7	69.1	16.2	.9
RURAL POPULATION									
Males, total	18,679,984	6,451,899	11,084,494	938,180	173,095	34.5	59.3	5.0	.9
White	16,201,270	5,595,029	9,645,331	789,894	145,337	34.5	59.5	4.9	.9
Negro	2,099,433	694,836	1,245,090	129,141	24,904	33.1	59.3	6.2	1.2
All other	379,281	162,034	194,073	19,145	2,854	42.7	51.2	5.0	.8
Native white—									
Native parentage	12,046,773	4,211,052	7,162,190	546,405	107,512	35.0	59.5	4.5	.9
Foreign or mixed parentage	2,667,281	1,055,752	1,474,728	110,387	22,923	39.6	55.3	4.1	.9
Foreign-born white	1,487,216	328,225	1,008,413	133,102	14,902	22.1	67.8	8.9	1.0
Females, total	16,870,557	4,077,959	10,971,359	1,657,401	146,490	24.2	65.0	9.8	.9
White	14,547,324	3,515,629	9,552,419	1,355,100	109,759	24.2	65.7	9.3	.8
Negro	2,051,499	499,171	1,239,342	276,332	34,078	24.3	60.4	13.5	1.7
All other	271,734	63,159	179,598	25,969	2,653	23.2	66.1	9.6	1.0
Native white—									
Native parentage	11,090,334	2,781,701	7,234,804	975,458	87,126	25.1	65.2	8.8	.8
Foreign or mixed parentage	2,352,323	643,880	1,501,641	188,770	15,964	27.4	63.8	8.0	.7
Foreign-born white	1,104,667	90,048	815,974	190,872	6,669	8.2	73.9	17.3	.6

[1] Includes persons whose marital condition was not reported.

No. 40.—DWELLINGS AND FAMILIES, URBAN AND RURAL: CONTINENTAL UNITED STATES, 1920 AND 1930

Tenure	Total		Urban		Rural	
	1920	1930	1920	1930	1920	1930
Number of dwellings	20,697,204	25,204,976	9,484,550	13,046,699	11,212,654	12,158,277
1-family dwellings	----------	22,833,110	----------	11,001,861	----------	11,831,249
2-family dwellings	----------	1,728,087	----------	1,430,570	----------	297,517
3-or-more-family dwellings	----------	643,779	----------	614,268	----------	29,511
Number of families	24,351,676	[1] 29,904,663	12,803,047	17,372,524	11,548,629	12,532,139
Families having homes:						
Owned—Number	10,866,960	14,002,074	4,707,715	7,432,554	6,159,245	6,569,520
Per cent	44.6	46.8	36.8	42.8	53.3	52.4
Rented—Number	12,943,598	15,319,817	7,879,348	9,681,359	5,064,250	5,638,458
Per cent	53.2	51.2	61.5	55.7	43.9	45.0
Tenure unknown—Number	541,118	582,772	215,984	258,611	325,134	324,161
Per cent	2.2	1.9	1.7	1.5	2.8	2.6

[1] Private families only, excluding 75,178 institutions, hotels, etc. These quasi-family groups were included in the count as made for 1920.

Source of Tables 39 and 40: Bureau of the Census, Department of Commerce.

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No. 41.—PERSONS 10 YEARS OF AGE AND OVER—NUMBER IN TOTAL POPULATION AND NUMBER GAINFULLY OCCUPIED: BY SEX, 1890 TO 1930, AND BY SEX AND AGE, 1920 AND 1930, CONTINENTAL UNITED STATES

Year and age	Total			Male			Female		
	Total number 10 years of age and over	Gainfully occupied		Total number 10 years of age and over	Gainfully occupied		Total number 10 years of age and over	Gainfully occupied	
		Number	Per cent		Number	Per cent		Number	Per cent
1890	47,413,559	23,318,183	49.2	24,352,659	19,312,651	79.3	23,060,900	4,005,532	17.4
1900	57,949,824	29,073,233	50.2	29,703,440	23,753,836	80.0	28,246,384	5,319,397	18.8
1910	71,580,270	38,167,336	53.3	37,027,558	30,091,564	81.3	34,552,712	8,075,772	23.4
1920	82,739,315	41,614,248	50.3	42,289,969	33,064,737	78.2	40,449,346	8,549,511	21.1
10 to 13 years	8,594,872	378,063	4.4	4,336,009	258,259	6.0	4,258,863	119,804	2.8
14 years	2,046,265	257,594	12.6	1,033,297	174,683	16.9	1,012,968	82,911	8.2
15 years	1,861,445	425,201	22.8	925,679	281,306	30.4	935,766	143,895	15.4
16 years	1,972,958	778,957	39.5	976,834	501,134	51.3	996,124	277,823	27.9
17 years	1,855,173	933,691	50.3	926,033	602,322	65.0	929,140	331,369	35.7
18 and 19 years	3,740,980	2,246,203	60.0	1,845,246	1,443,968	78.3	1,895,734	802,235	42.3
20 to 24 years	9,277,021	5,930,467	63.9	4,527,045	4,121,392	91.0	4,749,976	1,809,075	38.1
25 to 44 years	31,278,522	18,996,959	60.7	16,028,920	15,579,586	97.2	15,249,602	3,417,373	22.4
45 to 64 years	17,030,165	9,904,654	58.2	9,114,960	8,552,175	93.8	7,915,205	1,352,479	17.1
65 years and over	4,933,215	1,689,737	34.3	2,483,071	1,492,837	60.1	2,450,144	196,900	8.0
Unknown	148,699	72,722	48.9	92,875	57,075	61.5	55,824	15,647	28.0
1930	98,723,047	48,829,920	49.5	49,949,798	38,077,804	76.2	48,773,249	10,752,116	22.0
10 to 13 years	9,622,492	235,328	2.4	4,862,291	162,260	3.3	4,760,201	73,068	1.5
14 years	2,382,385	157,660	6.6	1,206,486	110,839	9.2	1,175,899	46,821	4.0
15 years	2,295,699	274,130	11.9	1,154,648	187,643	16.3	1,141,051	86,487	7.6
16 years	2,367,315	587,817	24.8	1,181,920	386,511	32.7	1,185,395	201,306	17.0
17 years	2,295,822	891,024	38.8	1,157,150	577,983	49.9	1,138,672	313,041	27.5
18 and 19 years	4,593,279	2,542,213	55.3	2,264,107	1,599,768	70.7	2,329,172	942,445	40.5
20 to 24 years	10,870,378	7,147,053	65.7	5,336,815	4,799,505	89.9	5,533,563	2,347,548	42.4
25 to 29 years	9,833,608	6,255,677	63.6	4,860,180	4,714,266	97.0	4,973,428	1,541,411	31.0
30 to 34 years	9,120,421	5,567,327	61.0	4,561,786	4,454,400	97.6	4,558,635	1,112,927	24.4
35 to 39 years	9,208,645	5,619,242	61.0	4,679,860	4,571,641	97.7	4,528,785	1,047,601	23.1
40 to 44 years	7,990,195	4,881,298	61.1	4,136,459	4,036,561	97.6	3,853,736	844,737	21.9
45 to 49 years	7,042,279	4,276,070	60.7	3,671,924	3,569,094	97.2	3,370,355	706,976	21.0
50 to 54 years	5,975,804	3,555,091	59.5	3,131,645	2,996,041	95.7	2,844,159	559,050	19.7
55 to 59 years	4,645,677	2,640,064	56.8	2,425,992	2,256,771	93.0	2,219,685	383,293	17.3
60 to 64 years	3,751,221	1,950,528	52.0	1,941,508	1,684,743	86.8	1,809,713	265,785	14.7
65 to 69 years	2,770,605	1,227,042	44.3	1,417,812	1,072,900	75.7	1,352,793	154,142	11.4
70 to 74 years	1,950,004	642,902	33.0	991,647	570,233	57.5	958,357	72,669	7.6
75 years and over	1,913,196	335,023	17.5	915,752	295,616	32.3	997,444	39,407	4.0
Unknown	94,022	44,431	47.3	51,816	31,029	59.9	42,206	13,402	31.8

Source: Bureau of the Census, Department of Commerce.

No. 42.—MALES AND FEMALES 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: BY AGE PERIODS FOR EACH PRINCIPAL CLASS OF THE POPULATION AND FOR EACH GENERAL DIVISION OF OCCUPATIONS, 1930

NOTE.—Per cents represent the proportion which persons employed form of the total number of persons of the specified class and age. For totals for all ages, see Table 41

Sex and age	Native white		Foreign-born white		Negro		Other races	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Male	27,511,862	73.4	6,255,071	88.4	3,662,893	80.2	647,978	78.0
10 to 13 years	91,449	2.2	321	.5	66,323	13.3	4,167	4.8
14 and 15 years	205,931	10.1	2,202	6.3	83,727	34.5	6,622	17.8
16 and 17 years	772,196	38.6	24,584	43.2	149,853	61.2	17,861	47.1
18 and 19 years	1,314,411	68.9	92,431	77.6	190,823	81.7	32,103	76.5
20 to 24 years	3,875,562	89.2	298,578	93.5	517,707	93.5	107,718	91.9
25 to 29 years	3,618,047	97.0	504,561	97.9	483,423	96.6	108,235	96.0
30 to 34 years	3,327,876	97.6	639,702	98.3	403,804	96.9	83,018	96.8
35 to 39 years	3,201,217	97.6	876,374	98.2	418,037	97.1	76,013	97.2
40 to 44 years	2,702,381	97.5	942,667	98.0	329,762	97.2	61,751	97.2
45 to 49 years	2,342,080	97.1	859,530	97.5	314,200	97.2	53,284	96.9
50 to 54 years	1,999,902	95.6	690,811	95.6	268,330	96.7	36,998	95.3
55 to 59 years	1,556,049	93.1	509,352	91.9	166,770	95.6	24,600	92.6
60 to 64 years	1,141,958	87.5	402,834	83.3	123,515	92.6	16,436	85.8
65 to 69 years	727,512	77.0	263,369	69.7	72,646	87.7	9,373	77.2
70 to 74 years	410,154	59.5	116,780	48.0	38,786	76.2	4,513	61.0
75 years and over	205,784	33.5	56,045	23.5	30,228	54.2	3,559	41.6
Unknown	19,353	53.0	4,990	82.9	4,959	70.2	1,727	77.0

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No. 42.—Males and Females 10 Years of Age and Over Gainfully Occupied, By Age for Each Principal Class of the Population and for Each General Division of Occupations, 1930—Continued

Sex and age	Native white		Foreign-born white		Negro		Other races	
	Number	Per cent	Number	Per cent	Number	Per cent	Number	Per cent
Female	**7,661,508**	**20.5**	**1,156,056**	**18.8**	**1,840,642**	**38.9**	**93,910**	**15.2**
10 to 13 years	29,057	.7	105	.2	41,878	8.4	2,028	2.4
14 and 15 years	80,863	4.1	1,516	4.4	48,129	19.1	2,800	7.6
16 and 17 years	403,308	20.5	22,991	38.6	81,719	31.7	6,329	17.4
18 and 19 years	762,322	39.5	57,692	64.5	113,542	41.5	8,889	23.8
20 to 24 years	1,848,817	41.5	181,553	52.9	299,103	46.0	18,075	21.6
25 to 29 years	1,106,705	29.0	154,198	30.5	267,688	46.9	12,820	17.0
30 to 34 years	769,781	22.3	122,865	20.6	210,157	46.9	10,124	16.8
35 to 39 years	632,261	20.8	136,152	18.4	219,586	47.7	9,602	17.2
40 to 44 years	546,923	20.0	124,165	17.0	166,355	47.8	7,294	17.9
45 to 49 years	447,514	19.1	109,431	16.0	144,011	46.9	6,020	17.6
50 to 54 years	362,804	18.2	89,029	15.0	103,328	45.5	3,889	16.7
55 to 59 years	261,257	16.4	62,370	13.2	57,173	42.3	2,493	15.0
60 to 64 years	176,139	14.0	46,237	10.8	41,711	38.3	1,698	13.2
65 to 69 years	102,223	10.9	27,511	8.2	23,513	32.5	895	10.6
70 to 74 years	48,758	7.1	12,152	5.6	11,328	23.5	431	7.9
75 years and over	24,051	3.5	6,669	2.7	8,278	13.2	409	5.4
Unknown	8,725	28.1	1,420	37.3	3,143	47.1	114	15.9

Sex and age	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation and communication	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations
Male	**9,562,059**	**250,140**	**983,564**	**12,224,345**	**3,561,943**	**5,118,787**	**838,622**	**1,727,650**	**1,772,200**	**2,038,494**
10 to 13 years	139,697	219	135	3,493	506	14,126	132	843	2,506	603
14 and 15 years	203,403	1,330	1,034	31,696	7,579	30,088	327	3,203	7,943	11,879
16 and 17 years	433,082	5,790	18,336	233,980	49,105	93,868	4,224	14,617	33,612	77,880
18 and 19 years	527,910	10,574	40,670	484,121	117,400	158,658	21,049	33,876	61,146	144,364
20 to 24 years	1,156,936	33,572	130,183	1,556,865	488,773	548,973	85,809	189,193	193,758	415,443
25 to 29 years	902,211	31,252	130,251	1,569,965	541,351	639,810	96,753	259,527	211,064	332,082
30 to 34 years	825,680	26,960	123,035	1,501,455	500,921	670,867	101,168	233,630	205,957	264,727
35 to 39 years	895,899	28,856	133,188	1,586,037	480,106	685,919	99,400	219,188	225,774	217,274
40 to 44 years	849,079	27,353	120,256	1,410,114	398,055	591,139	84,764	189,698	203,921	162,182
45 to 49 years	844,949	25,738	104,392	1,214,428	329,889	503,299	78,104	162,528	177,055	128,712
50 to 54 years	802,094	21,363	76,598	957,615	251,127	418,090	76,182	142,300	148,405	102,267
55 to 59 years	662,246	15,218	50,130	690,130	174,155	307,423	65,293	108,043	109,666	74,467
60 to 64 years	539,104	10,517	30,229	490,122	120,549	220,388	55,913	79,425	84,994	53,502
65 to 69 years	385,893	6,413	15,969	291,323	66,262	132,350	39,334	47,373	57,016	30,967
70 to 74 years	241,862	3,181	6,219	134,647	23,735	67,689	20,662	26,687	31,021	14,530
75 years and over	147,369	1,489	2,346	56,980	8,916	31,868	8,824	15,775	15,791	6,258
Unknown	4,645	315	593	11,374	3,514	4,232	684	1,744	2,571	1,357
Female	**909,939**	**329**	**759**	**1,886,307**	**281,204**	**962,680**	**17,583**	**1,526,234**	**3,180,251**	**1,986,830**
10 to 13 years	65,866	3	2	1,268	77	620	11	126	4,905	100
14 and 15 years	60,531	10	13	31,809	555	4,781	15	672	30,701	4,221
16 and 17 years	72,989	18	76	164,005	17,233	44,480	42	8,458	129,547	77,490
18 and 19 years	67,936	26	95	219,666	41,291	85,063	96	74,677	204,153	249,442
20 to 24 years	112,811	36	147	396,692	88,858	181,613	1,562	419,657	481,358	664,814
25 to 29 years	70,047	29	71	236,542	49,175	122,340	1,981	287,874	392,392	380,960
30 to 34 years	57,883	32	70	181,184	29,586	106,275	2,132	185,690	327,764	222,311
35 to 39 years	68,689	40	75	178,510	20,943	112,422	2,504	156,604	355,605	152,209
40 to 44 years	65,157	39	52	144,425	12,889	96,016	2,442	119,390	306,597	97,730
45 to 49 years	67,113	25	53	113,492	8,275	78,683	2,196	93,231	281,591	62,317
50 to 54 years	61,344	22	39	85,110	5,474	57,397	1,914	74,246	235,668	37,827
55 to 59 years	46,234	20	31	57,614	3,268	35,641	1,289	49,112	169,858	20,226
60 to 64 years	38,200	10	14	38,557	1,962	20,379	743	30,322	125,785	9,813
65 to 69 years	26,198	9	12	22,072	894	10,009	406	14,721	76,010	3,811
70 to 74 years	16,063	4	6	9,435	333	4,062	148	6,007	35,442	1,169
75 years and over	12,440	4	1	4,068	157	1,748	67	2,721	17,709	492
Unknown	438	2	2	1,849	234	1,151	35	2,726	5,076	1,889

Source: Bureau of the Census, Department of Commerce.

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No. 43.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY GENERAL DIVISIONS OF OCCUPATIONS AND SEX, CONTINENTAL UNITED STATES.

[Per cent not shown where less than 0.1]

Year and general division of occupations	Number			Per cent distribution			Per cent of total	
	Total	Male	Female	Total	Male	Female	Male	Female
1920	**41,614,248**	**33,064,737**	**8,549,511**	**100.0**	**100.0**	**100.0**	**79.5**	**20.5**
Agriculture	10,665,812	9,582,666	1,083,146	25.6	29.0	12.7	89.8	10.2
Forestry and fishing	270,214	269,541	673	.6	.8	-------	99.8	.2
Extraction of minerals	1,090,223	1,087,359	2,864	2.6	3.3	-------	99.7	.3
Manufacturing and mechanical industries	12,831,879	10,901,527	1,930,352	30.8	33.0	22.6	85.0	15.0
Transporation and communication	3,096,829	2,872,559	224,270	7.4	8.7	2.6	92.8	7.2
Trade	4,257,684	3,585,701	671,983	10.2	10.8	7.9	84.2	15.8
Public service (not elsewhere classified)	738,525	727,939	10,586	1.8	2.2	.1	98.6	1.4
Professional service	2,171,251	1,154,221	1,017,030	5.2	3.5	11.9	53.2	46.8
Domestic and personal service	3,379,995	1,193,313	2,186,682	8.1	3.6	25.6	35.3	64.7
Clerical occupations	3,111,836	1,689,911	1,421,925	7.5	5.1	16.6	54.3	45.7
1930	**48,829,920**	**38,077,804**	**10,752,116**	**100.0**	**100.0**	**100.0**	**78.0**	**22.0**
Agriculture	10,471,998	9,562,059	909,939	21.4	25.1	8.5	91.3	8.7
Forestry and fishing	250,469	250,140	329	.5	.7	-------	99.9	.1
Extraction of minerals	984,323	983,564	759	2.0	2.6	-------	99.9	.1
Manufacturing and mechanical industries	14,110,652	12,224,345	1,886,307	28.9	32.1	17.5	86.6	13.4
Transportation and communication	3,843,147	3,561,943	281,204	7.0	9.4	2.6	92.7	7.3
Trade	6,081,467	5,118,787	962,680	12.5	13.4	9.0	84.2	15.8
Public service (not elsewhere classified	856,205	838,622	17,583	1.8	2.2	.2	97.9	2.1
Professional service	3,253,884	1,727,650	1,526,234	6.7	4.5	14.2	53.1	46.9
Domestic and personal service	4,952,451	1,772,200	3,180,251	10.1	4.7	29.6	35.8	64.2
Clerical occupations	4,025,324	2,038,494	1,986,830	8.2	5.4	18.5	50.6	49.4

Source: Bureau of the Census, Department of Commerce.

No. 44.—GAINFUL WORKERS 10 YEARS OLD AND OVER: BY OCCUPATION AND SEX, CONTINENTAL UNITED STATES

[The 1920 figures for certain division totals have been corrected to conform with the 1930 classification]

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
All occupations	**41,614,248**	**33,064,737**	**8,549,511**	**48,829,920**	**38,077,804**	**10,752,116**
Agriculture [1]	**10,665,812**	**9,582,666**	**1,083,146**	**10,471,998**	**9,562,059**	**909,939**
Farmers (owners and tenants)	6,387,360	6,121,783	265,577	6,012,012	5,749,367	262,645
Farm managers and foremen	92,324	77,984	14,340	67,222	66,259	963
Farm laborers	4,186,128	3,382,899	803,229	4,392,764	3,746,433	646,331
Wage workers [2]	2,336,009	2,109,422	226,587	2,732,972	2,561,649	171,323
Unpaid family workers [2]	1,850,119	1,273,477	576,642	1,659,792	1,184,784	475,008
Forestry and fishing	**270,214**	**269,541**	**673**	**250,469**	**250,140**	**329**
Fishermen and oystermen	52,836	52,457	379	73,280	73,071	209
Foresters, forest rangers, and timber cruisers	3,653	3,651	2	8,057	8,042	15
Owners and managers of log and timber camps	8,410	8,397	13	6,899	6,889	10
Owners and proprietors	6,315	6,307	8	5,650	5,641	9
Managers and officials	2,095	2,090	5	1,249	1,248	1
Lumbermen, raftsmen, and wood choppers	205,315	205,036	279	162,233	162,138	95

[1] Because of changes made in 1930 in the classification of agricultural pursuits, it is impossible to group the 1920 occupations exactly according to the 1930 classification. It is believed, however, that the effect of the difference in grouping on the comparability of figures here presented is negligible. Figures have been adjusted to exclude those employed on turpentine farms classified in "Agriculture" in 1920 (see Note 5).

[2] Since, in 1920, only farm laborers on general farms were distinguished as working on "home farm" or "working out," farm laborers on dairy farms, stock farms, truck farms, poultry farms, etc., who were, in fact, working on the "home farm" as "unpaid family workers" were not included in "Farm laborers (home farm)." Hence, as here compiled for 1920, the number of farm laborers classified as "Wage workers" probably is somewhat too large, and the number classified as "Unpaid family workers" somewhat too small.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Extraction of minerals	1,090,223	1,087,359	2,864	984,323	983,564	759
Operators, managers, and officials	34,325	34,143	182	30,896	30,755	141
Operators	17,334	17,216	118	15,511	15,423	88
Managers and officials	16,991	16,927	64	15,385	15,332	53
Foremen, overseers, and inspectors	36,931	36,923	8	34,286	34,274	12
Coal mine operatives	733,936	732,441	1,495	621,661	621,545	116
Copper mine operatives	35,054	35,918	136	30,939	30,936	3
Gold and silver mine operatives	32,700	32,666	34	18,157	18,148	9
Iron mine operatives	38,704	38,605	99	24,248	24,245	3
Lead and zinc mine operatives	20,798	20,749	49	16,154	16,153	1
Other and not specified mine operatives	20,591	20,533	58	33,346	33,316	30
Quarry operatives	45,162	45,084	78	65,288	65,263	25
Oil and gas well operatives	85,550	85,303	247	105,224	105,212	12
Salt well and works operatives	5,472	4,994	478	4,124	3,717	407
Manufacturing and mechanical industries	12,831,879	10,901,527	1,930,352	14,110,652	12,224,345	1,886,307
Apprentices to building and hand trades	73,953	73,897	56	40,133	40,105	28
Carpenters' apprentices	4,805	4,797	8	4,138	4,133	5
Electricians' apprentices	9,562	9,557	5	4,611	4,604	7
Machinists' apprentices [3]	39,463	39,448	15	13,606	13,600	6
Plumbers' apprentices	7,386	7,386		5,937	5,937	
Apprentices to other building and hand trades	12,737	12,709	28	11,841	11,831	10
Apprentices to dressmakers and milliners	4,326	17	4,309	2,181	20	2,161
Apprentices to printers and bookbinders	11,603	10,366	1,237	10,928	10,575	353
Other apprentices in manufacturing [4]	50,518	46,687	3,831	24,210	22,855	1,355
Bakers	97,940	93,347	4,593	140,800	131,884	8,916
Blacksmiths, forgemen, and hammermen	221,421	221,416	5	147,469	147,460	9
Boilermakers	74,088	74,088		49,923	49,923	
Brick and stone masons and tile layers	131,264	131,257	7	170,903	170,896	7
Builders and building contractors	90,109	90,030	79	167,512	167,310	202
Cabinetmakers	45,511	45,503	8	57,897	57,890	7
Carpenters	887,379	887,208	171	929,426	929,376	50
Compositors, linotypers, and typesetters	140,165	128,859	11,306	183,632	173,363	10,269
Coopers	19,066	19,061	5	11,347	11,347	
Dressmakers and seamstresses (not in factory)	235,855	336	235,519	158,380	452	157,928
Dyers	15,109	14,978	131	17,719	17,425	294
Electricians	212,964	212,945	19	280,317	280,279	38
Electrotypers, stereotypers, and lithographers	13,716	13,530	186	16,692	16,448	244
Engineers (stationary), cranemen, etc.	279,984	279,940	44	316,964	316,942	22
Engineers (stationary)	242,096	242,064	32	256,078	256,060	18
Cranemen, derrickmen, hoistmen, etc.	37,888	37,876	12	60,886	60,882	4
Engravers	15,053	14,492	561	19,437	18,747	690
Filers, grinders, buffers, and polishers (metal)	59,785	57,315	2,470	78,600	76,264	2,336
Firemen (except locomotive and fire dept.)	143,875	143,862	13	127,294	127,293	1
Foremen and overseers (manufacturing) [5]	308,137	277,966	30,171	338,504	310,037	28,467
Furnace men, smelter men, heaters, puddlers, etc.	40,806	40,800	6	35,166	35,165	1
Glass blowers	9,144	9,055	89	3,268	3,209	59
Jewelers, watchmakers, goldsmiths, and silversmiths	39,592	37,914	1,678	38,662	37,408	1,254
Loom fixers	15,961	15,958	3	19,215	19,180	35
Machinists, millwrights, and toolmakers	894,662	894,654	8	761,095	761,075	20
Machinists	801,901	801,896	5	640,289	640,285	4
Millwrights	37,669	37,669		42,012	42,006	6
Toolmakers and die setters and sinkers	55,092	55,089	3	78,794	78,784	10
Managers and officials (manufacturing) [5]	249,950	241,619	8,331	312,756	302,334	10,422
Manufacturers [5]	183,695	178,750	4,945	207,901	202,190	5,711
Mechanics (n. o. s.) [6]	281,741	281,690	51	638,253	638,190	63
Air transportation	(7)	(7)	(7)	3,406	3,405	1
Automobile factories, garages, repair shops	(7)	(7)	(7)	394,188	394,169	19
Railroad and car shops	(7)	(7)	(7)	21,847	21,847	
Other industries	(7)	(7)	(7)	218,812	218,769	43
Millers (grain, flour, feed, etc.)	23,272	23,265	7	15,946	15,906	40
Milliners and millinery dealers	73,255	3,657	69,598	44,948	4,846	40,102
Molders, founders, and casters (metal)	123,681	123,668	13	105,158	105,139	19
Oilers of machinery	24,612	24,568	44	31,210	31,169	41

[3] Many of the machinists' apprentices probably are machine tenders.

[4] Includes, for 1920, groups otherwise classified in 1930 as follows: Apprentices, steam railroad; telegraph and telephone; other transportation and communication; Apprentices, wholesale and retail trade; Apprentices to other professional persons. "Architects', designers', and draftsmen's apprentices," classified in "Manufacturing and mechanical industries" in 1920, was transferred to "Professional service" in 1930.

[5] Persons employed on turpentine farms classified in "Agriculture, forestry, etc.," in 1920, were transferred to "Manufacturing and Mechanical Industries" in 1930.

[6] Not otherwise specified.

[7] Comparable figures for 1920 not available.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Painters, glaziers, varnishers, etc.	323,032	319,697	3,335	528,931	524,150	4,781
Enamelers, lacquerers, and japanners	4,137	3,168	969	5,758	4,622	1,136
Painters, glaziers, and varnishers:						
Building	248,497	248,394	103	430,105	429,982	123
Factory	70,398	68,135	2,263	93,068	89,546	3,522
Paper hangers	18,746	18,338	408	28,328	26,872	1,456
Pattern and model makers	27,720	27,663	57	29,750	29,711	39
Piano and organ tuners	7,047	7,007	40	6,823	6,799	24
Plasterers and cement finishers	45,876	45,870	6	85,480	85,477	3
Plumbers and gas and steam fitters	206,718	206,715	3	237,814	237,813	1
Pressmen and plate printers (printing)	18,683	18,683		31,215	31,215	
Rollers and roll hands (metal)	25,061	25,061		30,765	30,765	
Roofers and slaters	11,378	11,378		23,636	23,636	
Sawyers	33,809	33,800	9	36,064	35,984	80
Shoemakers and cobblers (not in factory)	78,859	78,599	260	76,388	76,127	261
Skilled occupations (not elsewhere classified)	12,348	12,319	29	12,258	12,227	31
Stonecutters	22,099	22,096	3	22,888	22,887	1
Structural iron workers (building)	18,836	18,836		28,966	28,966	
Tailors and tailoresses	192,232	160,404	31,828	169,283	147,476	21,807
Tinsmiths and coppersmiths	74,968	74,957	11	83,427	83,421	6
Upholsterers	29,605	27,338	2,267	51,452	49,097	2,355
Operatives (n. o. s.[6]):						
Building industry	7,003	6,983	20	18,442	18,419	23
Chemical and allied industries	[8] 70,416	[8] 51,287	[8] 19,129	117,467	88,604	28,863
Charcoal and coke works	1,722	1,692	30	1,587	1,572	15
Explosives, ammunition, and fireworks factories	7,379	4,811	2,568	5,904	3,322	2,582
Fertilizer factories	1,407	1,352	55	1,538	1,484	54
Gas works	9,462	9,294	168	13,896	13,873	23
Paint and varnish factories	5,521	4,686	835	8,297	7,266	1,031
Petroleum refineries	8,891	8,229	662	25,274	24,781	493
Rayon factories	([8])	([8])	([8])	20,940	10,087	10,853
Soap factories	6,288	3,239	3,049	5,289	3,405	1,884
Other chemical factories	29,746	17,984	11,762	34,742	22,814	11,928
Cigar and tobacco factories	145,222	61,262	83,960	103,715	35,767	67,948
Clay, glass, and stone industries	85,434	72,269	13,165	96,342	80,630	15,712
Brick, tile, and terra cotta factories	9,987	9,357	630	12,884	11,535	1,349
Glass factories	44,831	37,636	7,195	40,853	33,554	7,299
Lime, cement, and artificial stone factories	7,633	7,426	207	11,395	11,069	326
Marble and stone yards	5,546	5,478	68	7,963	7,953	10
Potteries	17,437	12,372	5,065	23,247	16,519	6,728
Clothing industries	409,361	143,718	265,643	488,909	142,158	346,751
Corset factories	12,642	1,115	11,527	10,921	852	10,069
Glove factories	23,357	6,584	16,773	18,465	4,955	13,510
Hat factories (felt)	21,178	14,716	6,462	26,454	17,981	8,473
Shirt, collar, and cuff factories	52,377	10,361	42,016	55,471	9,708	45,763
Suit, coat, and overall factories	143,872	79,357	64,515	106,773	50,190	56,583
Other clothing factories	155,935	31,585	124,350	270,825	58,472	212,353
Food and allied industries	204,550	131,453	73,097	224,416	135,830	88,586
Bakeries	20,441	8,858	11,583	27,901	12,602	15,299
Butter, cheese, condensed milk factories	18,841	16,096	2,745	25,707	21,331	4,376
Candy factories	52,281	20,913	31,368	44,470	17,404	27,066
Fish curing and packing	7,586	4,363	3,223	6,796	3,699	3,097
Flour and grain mills	8,112	7,524	588	6,872	6,320	552
Fruit and vegetable canning, etc.	10,204	3,898	6,306	18,748	5,196	13,552
Slaughter and packing houses	49,991	41,906	8,085	53,059	43,052	10,007
Sugar factories and refineries	3,806	3,144	662	3,778	3,070	708
Other food factories	17,633	9,791	7,842	25,898	12,743	13,155
Liquor and beverage industries	15,655	14,960	695	11,187	10,413	774
Iron and steel, machinery, and vehicle industries	689,980	632,161	57,819	651,398	590,635	60,763
Agricultural implement factories	7,722	7,136	586	8,782	8,281	501
Automobile factories	121,164	108,376	12,788	161,957	142,925	19,032
Automobile repair shops	([9])	([9])	([9])	9,452	9,407	45
Blast furnaces and steel rolling mills [10]	93,627	89,526	4,101	106,664	103,575	3,089
Car and railroad shops	97,979	97,003	976	65,008	64,573	435
Ship and boat building	97,666	97,175	491	19,969	19,904	65
Wagon and carriage factories	9,430	8,749	681	2,766	2,517	249
Other iron and steel and machinery factories [11]	[9] 245,450	[9] 209,112	[9] 36,338	248,911	213,952	34,959
Not specified metal industries	16,942	15,084	1,858	27,889	25,501	2,388

[6] Not otherwise specified.

[8] The few operatives and laborers in rayon factories in 1920, were classified with operatives and laborers, respectively, in "Not specified textile mills."

[9] Automobile repair shops included in "other iron and steel factories."

[10] Includes tin-plate mills.

[11] Includes iron foundries.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Operatives (n. o. s.)[6]—Continued.						
Metal industries (except iron and steel)	91,291	60,844	30,447	91,852	61,049	30,803
Brass mills	17,482	13,576	3,906	14,834	11,606	3,228
Clock and watch factories	18,244	10,043	8,201	15,036	8,492	6,544
Copper factories	2,986	2,834	152	2,950	2,824	126
Gold and silver factories	6,239	4,432	1,807	5,902	3,877	2,025
Jewelry factories	15,083	8,946	6,137	13,979	7,766	6,213
Lead and zinc factories	2,464	2,186	278	2,014	1,840	174
Tinware, enamelware, etc., factories	19,356	12,167	7,189	23,290	15,250	8,040
Other metal factories	9,437	6,660	2,777	13,847	9,394	4,453
Leather industries	279,231	196,437	82,794	267,518	175,768	91,750
Harness and saddle factories	18,135	17,573	562	7,164	6,890	274
Leather belt, leather goods, etc., factories [12]	17,189	12,809	4,380	16,533	11,080	5,453
Shoe factories	206,225	132,813	73,412	209,928	128,377	81,551
Tanneries	32,226	28,598	3,628	28,993	25,395	3,598
Trunk, suitcase, and bag factories [12]	5,456	4,644	812	4,900	4,026	874
Lumber and furniture industries	168,719	150,079	18,640	177,457	157,861	19,596
Furniture factories	55,717	48,906	6,811	75,235	66,131	9,104
Piano and organ factories	19,852	16,949	2,903	8,177	7,535	642
Saw and planing mills [13]	57,320	54,016	3,304	58,986	56,389	2,597
Other woodworking factories	35,830	30,208	5,622	35,059	27,806	7,253
Paper, printing, and allied industries	155,524	87,679	67,845	165,911	102,421	63,490
Blank book, envelope, tag, paper bag, etc., factories	13,694	5,117	8,577	17,127	6,488	10,639
Paper and pulp mills	54,669	41,321	13,348	63,629	49,709	13,920
Paper box factories	20,452	7,077	13,375	14,284	5,767	8,517
Printing, publishing, and engraving	66,709	34,164	32,545	70,871	40,457	30,414
Textile industries—						
Cotton mills	302,454	153,269	149,185	302,501	156,818	145,683
Knitting mills	107,604	26,922	80,682	134,006	44,203	89,803
Silk mills	115,721	42,953	72,768	125,770	52,080	73,690
Textile dyeing, finishing, and printing mills	17,736	12,154	5,582	19,613	13,947	5,666
Woolen and worsted mills	126,418	64,703	61,715	101,821	52,761	49,060
Other textile mills	[14] 122,464	[14] 54,033	[14] 68,431	133,660	65,312	68,348
Carpet mills	23,387	13,003	10,384	28,609	16,486	12,123
Hemp, jute, and linen mills	6,742	2,811	3,931	4,503	2,074	2,429
Lace and embroidery mills	19,083	6,086	12,997	11,417	4,221	7,196
Rope and cordage factories	8,454	4,714	3,740	5,469	3,067	2,402
Sail, awning, and tent factories	3,543	2,538	1,005	4,275	2,566	1,709
Other and not specified textile mills	[14] 61,255	[14] 24,881	[14] 36,374	79,387	36,898	42,489
Miscellaneous manufacturing industries	536,832	344,568	192,264	536,108	353,744	182,364
Broom and brush factories	12,606	10,219	2,387	9,521	7,622	1,899
Button factories	12,977	7,768	5,209	7,565	4,496	3,069
Electric light and power plants	15,949	15,610	339	49,269	49,218	51
Electrical machinery and supply factories	64,841	37,452	27,389	117,327	72,012	45,315
Rubber factories	86,204	67,370	18,834	80,835	59,546	21,289
Straw factories	14,102	7,751	6,351	1,818	584	1,234
Turpentine farms and distilleries	1,138	1,130	8	1,368	1,360	8
Other and not specified manufacturing	[15] 329,015	[15] 197,268	[15] 132,747	268,405	158,906	109,499
Not specified industries and services				153,152	123,252	29,900
Laborers (n. o. s.[6]):						
Building, general, and not specified laborers	686,722	671,487	15,235	1,115,667	1,104,132	11,535
Laborers and helpers, building construction	(7)	(7)	(7)	419,802	419,675	127
General and not specified laborers	(7)	(7)	(7)	695,865	684,457	11,408
Chemical and allied industries	[16] 134,313	[16] 130,699	[16] 3,614	151,918	148,507	3,411
Charcoal and coke works	9,384	9,352	32	4,783	4,772	11
Explosives, ammunition, and fireworks factories	8,467	7,821	646	5,047	4,447	600
Fertilizer factories	12,943	12,808	135	18,243	18,157	86
Gas works	18,845	18,787	58	28,897	28,884	13
Paint and varnish factories	4,841	4,677	164	6,171	6,017	154
Petroleum refineries	31,795	31,566	229	40,816	40,645	171
Rayon factories	(16)	(16)	(16)	4,962	4,451	511
Soap factories	4,715	4,346	369	4,799	4,566	233
Other chemical factories	43,323	41,342	1,981	38,200	36,568	1,632

[6] Not otherwise specified.

[7] Comparable figures for 1920 not available.

[12] Operatives and laborers in leather bag factories, included in the group, "Leather belt, leather case, etc., factories" in 1920, were transferred to the group, "Trunk, suit case, and bag factories" in 1930.

[13] Includes box factories (wood).

[14] See note 8, p. 54 and note 15 below.

[15] Some operatives and laborers included in "Other and not specified manufacturing" in 1920 were classified in "Other and not specified textile mills" in 1930. "Helpers in motion-picture production" included in "Operatives, other miscellaneous manufacturing and mechanical industries" in 1920, were classified in "Professional service" in 1930.

[16] See note 8, p. 54.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Laborers (n. o. s.[6])—Continued.						
Cigar and tobacco factories	35,157	21,295	13,862	20,581	14,094	6,487
Clay, glass, and stone industries	124,544	120,215	4,329	145,665	142,095	3,570
Brick, tile, and terra-cotta factories	48,636	48,099	537	59,543	58,792	751
Glass factories	28,937	26,461	2,476	28,108	26,362	1,746
Lime, cement, and artificial-stone factories	30,051	29,884	167	38,634	38,475	159
Marble and stone yards	5,084	5,061	23	8,102	8,097	5
Potteries	11,836	10,710	1,126	11,278	10,369	909
Clothing industries	12,776	6,414	6,362	15,293	8,558	6,735
Corset factories	771	194	577	350	133	217
Glove factories	1,757	899	858	1,159	550	609
Hat factories (felt)	989	825	164	1,142	966	176
Shirt, collar, and cuff factories	2,708	1,317	1,391	4,136	2,314	1,822
Suit, coat, and overall factories	3,984	2,219	1,765	3,794	2,456	1,338
Other clothing factories	2,567	960	1,607	4,712	2,139	2,573
Food and allied industries	170,065	153,692	16,373	154,886	136,802	18,084
Bakeries	8,315	6,869	1,446	12,362	10,786	1,576
Butter, cheese, and condensed-milk factories	15,190	14,174	1,016	17,433	16,518	915
Candy factories	6,584	4,398	2,186	5,552	4,080	1,472
Fish curing and packing	6,300	5,261	1,039	6,172	4,596	1,576
Flour and grain mills	18,121	17,983	138	15,997	15,839	158
Fruit and vegetable canning, etc	13,058	9,743	3,315	19,544	14,987	4,557
Slaughter and packing houses	59,548	55,436	4,112	43,045	39,384	3,661
Sugar factories and refineries	15,733	15,414	319	9,298	9,038	260
Other food factories	16,686	14,119	2,567	16,968	13,281	3,687
Liquor and beverage industries	10,530	10,295	235	8,515	8,293	222
Iron and steel, machinery, and vehicle industries	720,613	717,022	12,591	662,131	652,027	10,104
Agricultural-implement factories	11,409	11,292	117	10,873	10,735	138
Automobile factories	83,341	80,874	2,467	123,717	120,150	3,567
Automobile repair shops	(9)	(9)	(9)	12,653	12,617	36
Blast furnaces and steel rolling mills [10]	258,830	256,548	2,282	235,726	234,524	1,202
Car and railroad shops	53,643	53,280	363	37,789	37,542	247
Ship and boat building	69,196	68,917	279	17,352	17,325	27
Wagon and carriage factories	9,817	9,594	223	1,419	1,406	13
Other iron and steel and machinery factories [11]	[9] 179,607	[9] 173,734	[9] 5,873	171,814	167,534	4,280
Not specified metal industries	63,770	62,783	987	50,788	50,194	594
Metal industries (except iron and steel)	67,887	62,771	5,116	62,398	58,913	3,485
Brass mills	18,485	17,614	871	14,809	14,411	398
Clock and watch factories	3,108	1,929	1,179	1,546	1,018	528
Copper factories	10,963	10,908	55	8,013	7,950	63
Gold and silver factories	2,272	2,061	211	1,199	1,098	101
Jewelry factories	1,421	1,255	166	397	328	69
Lead and zinc factories	8,927	8,859	68	8,116	8,093	23
Tinware, enamelware, etc., factories	17,605	15,436	2,169	20,181	18,313	1,868
Other metal factories	5,106	4,709	397	8,137	7,702	435
Leather industries	54,639	48,167	6,472	38,601	33,003	5,598
Harness and saddle factories	1,885	1,727	158	501	469	32
Leather-belt, leather-goods, etc., factories [17]	3,578	3,274	304	1,930	1,701	229
Shoe factories	19,210	14,194	5,016	18,389	13,647	4,742
Tanneries	27,480	26,703	777	16,809	16,296	513
Trunk, suitcase, and bag factories [17]	2,486	2,269	217	972	890	82
Lumber and furniture industries	320,613	309,874	10,739	333,539	326,071	7,468
Furniture factories	35,272	32,600	2,672	39,802	38,321	1,481
Piano and organ factories	5,321	4,596	725	1,664	1,566	98
Saw and planing mills [12]	245,683	241,334	4,349	251,741	248,803	2,938
Other woodworking factories	34,337	31,344	2,993	40,332	37,381	2,951
Paper, printing, and allied industries	67,083	61,073	6,010	69,373	64,175	5,198
Blank-book, envelope, tag, paper-bag, etc., factories	3,455	2,646	809	3,926	3,072	854
Paper and pulp mills	52,263	49,786	2,477	52,038	49,677	2,361
Paper-box factories	3,384	2,401	983	2,587	1,986	601
Printing, publishing, and engraving	7,981	6,240	1,741	10,822	9,440	1,382
Textile industries—						
Cotton mills	76,315	59,646	16,669	55,519	46,439	9,080
Knitting mills	11,943	6,603	5,340	9,412	5,884	3,528
Silk mills	10,080	7,350	2,730	11,078	8,920	2,158
Textile dyeing, finishing, and printing mills	10,605	9,885	720	7,571	7,257	314
Woolen and worsted mills	22,227	18,238	3,989	13,753	11,955	1,798

[6] Not otherwise specified.
[9] Automobile repair shops included in "Other iron and steel factories".
[10] Includes tin-plate mills.
[11] Includes iron foundries.
[12] Includes box factories (wood).
[17] See note 12, p. 55.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Manufacturing, etc.—Continued.						
Laborers (n. o. s.[6])—Continued.						
Textile industries—Continued.						
Other textile mills	[14] 22,140	[14] 18,619	[14] 3,521	23,199	20,320	2,879
Carpet mills	3,953	3,378	575	4,828	4,236	592
Hemp, jute, and linen mills	1,712	1,474	238	961	863	98
Lace and embroidery mills	944	677	267	569	444	125
Rope and cordage factories	4,268	3,805	463	2,921	2,632	289
Sail, awning, and tent factories	283	237	46	721	661	60
Other and not specified textile mills	[14] 10,980	[14] 9,048	[14] 1,932	13,199	11,484	1,715
Miscellaneous mfg industries [16]	[19] 399,988	[19] 364,244	[19] 35,744	322,696	298,609	24,087
Broom and brush factories	2,800	2,407	393	2,587	2,370	217
Button factories	1,407	1,093	314	1,129	940	189
Electric light and power plants	15,417	15,255	162	35,665	35,650	15
Electrical machinery and supply factories	26,789	23,562	3,227	36,885	33,345	3,540
Rubber factories	51,467	47,515	3,952	29,123	25,980	3,143
Straw factories	577	513	64	148	136	12
Turpentine farms and distilleries [15]	25,830	25,395	435	37,620	37,313	307
Other and not specified mfg. industries	[19] 275,701	[19] 248,504	[19] 27,197	179,539	162,875	16,664
Transportation and communication	**3,096,829**	**2,872,559**	**224,270**	**3,843,147**	**3,561,943**	**281,204**
Water transportation: [20]						
Boatmen, canal men, and lock keepers	6,319	6,286	33	5,643	5,603	40
Captains, masters, mates, and pilots	26,320	26,318	2	24,485	24,482	3
Longshoremen and stevedores	85,928	85,605	323	73,954	73,944	10
Sailors and deck hands	54,832	54,800	32	64,700	64,692	8
Road and street transportation: [20]						
Bus conductors	([21])	([21])	([21])	1,002	1,002	
Chauffeurs and truck and tractor drivers [22]	285,045	284,096	949	972,418	970,916	1,502
Draymen, teamsters, and carriage drivers [22, 23]	420,189	419,450	739	111,224	111,178	46
Garage owners, managers, and officials	42,151	41,944	207	69,965	69,543	422
Garage laborers	31,450	31,339	111	66,693	66,536	157
Hostlers and stable hands	18,976	18,973	3	6,654	6,654	
Laborers, truck, transfer, and cab companies	([24])	([24])	([24])	40,970	40,920	50
Laborers, road, street, etc., building and repairing	115,836	115,673	163	290,354	290,308	46
Laborers, street cleaning	11,196	11,192	4	16,673	16,672	1
Owners, managers, and officials, truck, transfer, and cab companies	23,497	23,231	266	41,084	40,508	576
Railroad transportation: [20]						
Baggagemen and freight agents	16,819	16,789	30	16,377	16,361	16
Boiler washers and engine hostlers	25,305	25,271	34	18,300	18,300	
Brakemen, steam railroad	114,107	114,107		88,197	88,197	
Conductors, steam railroad	74,539	74,539		73,332	73,332	
Conductors, street railroad	63,760	63,507	253	35,697	35,680	17
Foremen and overseers	79,294	79,216	78	79,737	79,682	55
Steam railroad	73,046	72,980	66	73,910	73,860	50
Street railroad	6,248	6,236	12	5,827	5,822	5
Laborers (includes construction laborers)	495,713	488,659	7,054	462,474	459,090	3,384
Steam railroad	470,199	463,613	6,586	435,058	431,947	3,111
Street railroad	25,514	25,046	468	27,416	27,143	273
Locomotive engineers [25]	109,899	109,899		101,201	101,201	
Locomotive firemen [25]	91,345	91,345		67,096	67,096	
Motormen	66,519	66,499	20	60,723	60,718	5
Steam railroad	3,560	3,560		2,754	2,754	
Street railroad	62,959	62,939	20	57,969	57,964	5
Officials and superintendents	35,881	35,830	51	37,989	37,963	26
Steam railroad	32,426	32,385	41	34,380	34,359	21
Street railroad	3,455	3,445	10	3,609	3,604	5
Switchmen, flagmen, and yardmen	111,565	111,000	565	102,773	102,484	289
Switchmen and flagmen, steam railroad	101,917	101,359	558	92,217	91,928	289
Switchmen and flagmen, street railroad	2,500	2,496	4	2,608	2,608	
Yardmen, steam railroad	7,148	7,145	3	7,948	7,948	
Ticket and station agents	26,585	24,324	2,261	27,160	25,370	1,790

[6] Not otherwise specified. [14] See note 8, p. 54 and note 15, p. 55. [16] See note 5, p. 53.
[19] See note 15, p. 55. [20] Selected occupations. [21] Not classified separately in 1920.
[22] Neither in 1920 nor in 1930 was the attempt to distinguish chauffeurs and motor truck drivers from draymen, teamsters, and carriage drivers very successful.
[23] Teamsters in agriculture, forestry, and the extraction of minerals are classified with the other workers in those industries, respectively; drivers for bakeries and stores are classified as deliverymen in trade, and drivers for laundries are classified as deliverymen in domestic and personal service.
[24] Included with "Draymen, teamsters, and expressmen" in 1920.
[25] Because of indefinite returns by census enumerators, it is probable that some stationary engineers were included with locomotive engineers, and some firemen of stationary boilers with locomotive firemen.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Transportation, etc.—Continued.						
Express, post, radio, telegraph, and telephone :[20]						
Agents, express companies	5,293	5,193	100	4,176	4,102	74
Express messengers and railway mail clerks	25,005	24,996	9	25,608	25,600	8
Express messengers	9,138	9,129	9	8,211	8,207	4
Railway mail clerks	15,867	15,867	----	17,397	17,393	4
Mail carriers	91,451	90,131	1,320	121,333	120,204	1,129
Postmasters [26]	31,935	20,727	11,208	34,421	20,818	13,603
Radio operators	(27)	(27)	(27)	4,955	4,909	46
Telegraph and telephone linemen	37,917	37,905	12	71,625	71,624	1
Telegraph messengers	9,403	8,969	434	16,176	15,997	179
Telegraph operators	[27] 79,434	[27] 62,574	[27] 16,860	67,821	51,699	16,122
Telephone operators	190,160	11,781	178,379	248,884	13,625	235,259
Other transportation and communication:						
Apprentices, steam railroad, telegraph and telephone, and other transportation, etc.	(28)	(28)	(28)	12,302	12,194	108
Aviators [29]	1,312	1,304	8	6,097	6,031	66
Foremen and overseers (n. o. s.[6])	29,863	29,824	39	52,135	52,061	74
Air transportation	(21)	(21)	(21)	181	181	----
Garages, greasing stations, and automobile laundries	(30)	(30)	(30)	6,652	6,650	2
Road, street, etc., building and repairing	9,558	9,557	1	23,250	23,249	1
Telegraph and telephone	6,822	6,797	25	11,172	11,112	60
Other transp. and communication	[30] 13,483	[30] 13,470	[30] 13	10,880	10,869	11
Inspectors	50,233	49,848	385	52,120	50,965	1,155
Steam railroad	42,721	42,675	46	39,079	39,066	13
Street railroad	3,451	3,445	6	3,330	3,325	5
Telegraph and telephone	2,821	2,491	330	4,173	3,040	1,133
Other transp. and communication	1,240	1,237	3	5,538	5,534	4
Laborers (n. o. s.[6])	33,432	33,229	203	51,063	50,998	65
Air transportation	(21)	(21)	(21)	1,609	1,602	7
Express companies	9,089	9,067	22	7,086	7,085	1
Pipe lines	7,369	7,362	7	13,704	13,700	4
Telegraph and telephone	5,088	5,011	77	12,674	12,647	27
Water transportation	5,960	5,963	3	11,329	11,327	2
Other transp. and communication	5,920	5,826	94	4,661	4,637	24
Proprietors, managers, and officials (n. o. s.[6])	30,197	29,552	645	37,990	34,987	3,003
Air transportation	(21)	(21)	(21)	1,090	1,085	5
Telegraph and telephone	11,603	11,059	544	18,957	16,084	2,873
Other transp. and communication	18,594	18,493	101	17,943	17,818	125
Other occupations	48,124	46,634	1,490	85,717	83,794	1,923
Road, street, etc., building and repairing	4,435	4,331	104	8,565	8,524	41
Steam railroad	28,621	27,916	705	42,619	42,011	608
Street railroad	9,259	9,088	171	13,375	13,242	133
Other transp. and communication	5,809	5,299	510	21,158	20,017	1,141
Trade	4,257,684	3,585,701	671,983	6,081,467	5,118,787	962,680
Advertising agents	(31)	(31)	(31)	49,020	43,364	5,656
Apprentices, wholesale and retail trade	(28)	(28)	(28)	2,444	2,337	107
Bankers, brokers, and money lenders	161,613	156,309	5,304	221,504	212,312	9,192
Bankers and bank officials	82,375	78,149	4,226	93,356	87,429	5,927
Commercial brokers and commission men	27,552	27,358	194	23,638	23,352	286
Loan brokers and pawnbrokers	5,473	5,321	152	13,562	12,930	632
Stock brokers	29,609	29,233	376	70,950	69,157	1,793
Brokers not specified and promoters	16,604	16,248	356	19,998	19,444	554
"Clerks" in stores [32]	413,918	243,521	170,397	401,991	238,844	163,147
Commercial travelers	179,320	176,514	2,806	223,732	219,790	3,942
Decorators, drapers, and window dressers	8,853	7,698	1,155	20,149	13,911	6,238
Deliverymen, bakeries and stores [33]	[34] 170,235	[34] 170,039	[34] 196	159,444	159,328	116
Floorwalkers and foremen in stores	20,604	16,565	4,039	32,564	27,928	4,636
Foremen, warehouses, stockyards, etc.	5,833	5,802	31	5,599	5,440	159

[6] Not otherwise specified. [20] Selected occupations. [21] Not classified separately in 1920.
[26] Postmasters were classified in "Public service" in 1920.
[27] Radio and wireless operators were included with telegraph operators in 1920. [28] See Note 4, p. 53.
[29] Aviators, designated "Aeronauts" and classified in "Other professional pursuits" in 1920, were transferred to "Transportation and communication" in 1930.
[30] Foremen in garages, greasing stations, etc., included in "Other transportation and communication."
[31] Classified in 1920 in the group "Agents" in "Clerical occupations."
[32] Group more strictly confined in 1930 than in 1920 to persons specifically returned as "Clerks in stores."
[33] Some deliverymen probably returned and classified as chauffeurs, others as teamsters or truck drivers.
[34] Includes deliverymen for laundries classified in "Domestic and personal service" in 1930.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Trade—Continued.						
Inspectors, gagers, and samplers	13,714	12,683	1,031	16,743	10,923	5,820
Insurance agents, managers, and officials	134,978	129,589	5,389	286,235	271,530	14,705
Insurance agents	119,918	114,835	5,083	256,927	243,974	12,953
Managers and officials, insurance cos	15,060	14,754	306	29,308	27,556	1,752
Laborers in coal and lumber yards, etc	125,609	124,713	896	113,669	113,027	642
Coal yards and lumber yards	68,543	68,454	89	73,232	73,211	21
Grain elevators	11,312	11,244	68	9,212	9,141	71
Stockyards	22,888	22,859	29	8,735	8,733	2
Warehouses	22,866	22,156	710	18,699	18,205	494
Other and not specified trade	(21)	(21)	(21)	3,791	3,737	54
Laborers, porters, and helpers in stores	125,007	116,602	8,405	208,688	199,296	9,392
Newsboys	27,961	27,635	326	38,993	38,576	417
Proprietors, managers, and officials (n. o. s.[6])	34,776	33,715	1,061	45,305	42,201	3,104
Employment office keepers	3,026	2,357	669	3,765	2,425	1,340
Proprietors, etc., advertising agencies	(35)	(35)	(35)	10,539	9,771	768
Proprietors, etc., grain elevators	8,858	8,836	22	9,505	9,484	21
Proprietors, etc., warehouses	6,353	6,310	43	7,389	7,327	62
Other proprietors, managers, and officials	16,539	16,212	327	14,107	13,194	913
Real estate agents and officials	149,135	139,927	9,208	240,030	208,243	31,787
Managers and officials, real estate cos	(21)	(21)	(21)	5,603	5,124	479
Real estate agents	(21)	(21)	(21)	234,427	203,119	31,308
Retail dealers [36]	1,328,275	1,249,295	78,980	1,703,522	1,593,356	110,166
Automobiles and accessories	28,768	28,626	142	61,507	60,991	516
Books, music, news, and stationery	25,369	23,028	2,341	36,503	32,909	3,594
Buyers and shippers of livestock and other farm products	48,309	48,228	81	41,784	41,684	100
Candy and confectionery	40,091	32,368	7,723	62,210	51,766	10,444
Cigars and tobacco	19,141	18,031	1,110	19,952	19,044	908
Coal and wood	26,556	26,057	499	29,876	29,225	651
Department stores	11,752	10,800	952	19,361	17,751	1,610
Dry goods, clothing, and boots and shoes	133,106	121,379	11,727	148,837	129,486	19,351
Drugs and medicines [37]	80,157	76,995	3,162	104,727	100,123	4,604
Five and ten cent and variety stores	5,968	4,899	1,069	10,464	9,035	1,429
Flour and feed	9,309	9,212	97	9,887	9,781	106
Food (except groceries and hucksters' goods)	202,444	196,838	5,606	239,436	233,166	6,270
Furniture, carpets, and rugs	27,145	26,453	692	35,884	34,019	1,865
Gasoline and oil filling stations	(38)	(38)	(38)	89,190	87,095	2,095
General stores	80,026	76,317	3,709	81,187	76,011	5,176
Groceries	239,236	216,059	23,177	313,086	284,011	29,075
Hardware, implements, and wagons	48,933	48,213	720	52,138	51,216	922
Hucksters and peddlers	50,402	48,493	1,909	56,610	54,820	1,790
Ice	8,203	8,166	37	19,648	19,572	76
Jewelry	21,433	20,652	781	23,864	22,976	888
Junk and rags	24,773	24,581	192	27,478	27,166	312
Lumber	27,687	27,589	98	34,070	33,903	167
Opticians	12,632	11,743	889	14,385	13,769	616
Other specified dealers	[38] 91,107	[38] 85,085	[38] 6,022	113,061	101,377	11,684
Not specified dealers	65,728	59,483	6,245	58,377	52,460	5,917
Salesmen and saleswomen	1,192,199	826,866	365,333	2,069,003	1,508,283	560,720
Auctioneers	5,048	5,045	3	4,281	4,277	4
Canvassers [39]	14,705	10,514	4,191	63,769	51,956	11,813
Demonstrators	4,823	1,639	3,184	7,533	1,793	5,740
Sales agents	41,841	40,207	1,634	5,088	4,571	517
Salesmen and saleswomen	1,125,782	769,461	356,321	1,988,332	1,445,686	542,646
Undertakers	24,469	23,342	1,127	34,132	32,192	1,940
Wholesale dealers, importers, and exporters	73,574	72,780	794	83,525	81,837	1,688
Other pursuits in trade	67,611	52,106	15,505	125,175	96,069	29,106
Advertising agencies	(40)	(40)	(40)	5,853	5,453	400
Grain elevators	(40)	(40)	(40)	1,611	1,202	409
Warehouses and cold storage plants	(40)	(40)	(40)	5,248	3,520	1,728
Wholesale trade, and retail trade (except automobile):						
Fruit and vegetable graders and packers	8,074	4,988	3,086	9,926	3,784	6,142
Meat cutters	22,884	22,804	80	45,108	45,025	83
Other occupations	36,653	24,314	12,339	52,367	32,870	19,497
Other trade industries				5,062	4,215	847
Public service (not elsewhere classified)	738,525	727,939	10,586	856,205	838,622	17,583
Firemen, fire department	50,771	50,771		73,008	73,008	
Guards, watchmen, and doorkeepers	115,553	115,154	399	148,115	147,115	1,000
Laborers, public service	106,915	105,385	1,530	157,010	155,903	1,107

[6] Not otherwise specified. [21] Not classified separately in 1920. [35] Included in "Other proprietors."
[36] Includes managers and superintendents of retail stores. [37] Including druggists and pharmacists.
[38] "Retail dealers, gasoline and oil filling stations" included in "Other specified retail dealers" in 1920.
[39] Canvassers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.
[40] Included in the group "Other occupations" in 1920.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Public Service—Continued.						
Marshals, sheriffs, detectives, etc.	32,214	30,968	1,246	41,823	39,247	2,576
Detectives	11,955	11,562	393	12,865	12,180	685
Marshals and constables	6,897	6,880	17	9,350	9,288	62
Probation and truant officers	2,679	1,899	780	4,270	2,715	1,555
Sheriffs	10,683	10,627	56	15,338	15,064	274
Officials and inspectors (city)	33,505	31,918	1,587	48,309	45,200	3,109
Officials and inspectors (county)	22,092	18,830	3,262	30,086	24,231	5,855
Officials and inspectors (State)	9,126	8,596	530	15,236	14,256	980
Officials and inspectors (United States) [41]	39,273	38,621	652	36,464	35,625	839
Policemen	82,120	81,884	236	131,687	130,838	849
Soldiers, sailors, and marines [42]	225,503	225,503		132,830	132,830	
Other public service pursuits	21,453	20,309	1,144	41,637	40,369	1,268
Professional service	2,171,251	1,154,221	1,017,030	3,253,884	1,727,650	1,526,234
Actors	28,361	15,124	13,237	37,993	18,703	19,290
Showmen	19,811	18,694	1,117	37,303	35,808	1,495
Architects	18,185	18,048	137	22,000	21,621	379
Artists, sculptors, and teachers of art	35,402	20,785	14,617	57,265	35,621	21,644
Authors	6,668	3,662	3,006	12,449	7,002	5,447
Editors and reporters	34,197	28,467	5,730	51,844	39,920	11,924
Chemists, assayers, and metallurgists	32,941	31,227	1,714	47,068	45,163	1,905
Clergymen	127,270	125,483	1,787	148,848	145,572	3,276
College presidents and professors [43]	33,407	23,332	10,075	61,905	41,774	20,131
Dentists	56,152	54,323	1,829	71,055	60,768	1,287
Designers	15,410	9,758	5,652	20,508	12,780	7,728
Draftsmen	52,865	50,880	1,985	79,922	78,459	1,463
Inventors	2,376	2,349	27	2,300	2,279	21
Lawyers, judges, and justices	122,519	120,781	1,738	160,605	157,220	3,385
Musicians and teachers of music	130,265	57,587	72,678	165,128	85,517	79,611
Osteopaths	5,030	3,367	1,663	6,117	4,554	1,563
Photographers	34,259	27,140	7,119	39,529	31,163	8,366
Physicians and surgeons	144,977	137,758	7,219	153,803	146,978	6,825
Teachers (athletics, dancing, etc.)	9,711	5,677	4,034	18,599	12,288	6,311
Teachers (school)	752,055	116,848	635,207	1,044,016	190,049	853,967
Technical engineers	136,121	136,080	41	226,249	226,136	113
Civil engineers and surveyors	64,660	64,642	18	102,086	102,057	29
Electrical engineers	27,077	27,065	12	57,837	57,775	62
Mechanical engineers [44]	37,689	37,678	11	54,356	54,338	18
Mining engineers [45]	6,695	6,695		11,970	11,966	4
Trained nurses	149,128	5,464	143,664	294,189	5,452	288,737
Veterinary surgeons	13,494	13,493	1	11,863	11,852	11
Other professional pursuits [46]	(47)	(47)	(47)	114,393	43,847	70,546
County agents, farm demonstrators, etc.	(47)	(47)	(47)	5,597	4,500	1,097
Librarians	15,297	1,795	13,502	29,613	2,557	27,056
Social and welfare workers	(48)	(48)	(48)	31,241	6,649	24,592
Other occupations	18,409	12,646	5,763	47,942	30,141	17,801
Semiprofessional and recreational pursuits	(7)	(7)	(7)	198,549	143,365	55,184
Abstracters, notaries, and justices of peace	10,071	8,588	1,483	11,756	9,848	1,908
Architects', designers', and draftsmen's apprentices [28]	3,777	3,479	298	2,656	2,436	220
Apprentices to other professional persons	(28)	(28)	(28)	3,935	3,861	74
Billiard room, dance hall, skating rink, etc., keepers [49]	24,897	24,655	242	29,129	28,819	310
Chiropractors	(50)	(50)	(50)	11,916	9,203	2,713
Directors, managers, and officials, motion picture production	(51)	(51)	(51)	1,923	1,888	35
Healers (not elsewhere classified)	50 14,774	50 6,872	50 7,902	17,640	7,866	9,774
Keepers of charitable and penal institutions	12,884	7,953	4,931	15,020	9,468	5,552
Keepers of pleasure resorts, race tracks, etc.	3,360	3,163	197	10,718	9,741	977
Officials of lodges, societies, etc.	11,736	9,574	2,162	14,515	11,513	3,002
Radio announcers, directors, managers, and officials	(52)	(52)	(52)	1,819	1,639	180
Religious workers	48 41,078	48 14,151	48 26,927	31,290	11,339	19,951
Theatrical owners, managers, and officials	51 18,395	51 17,138	51 1,257	19,723	18,691	1,032

[7] Comparable figures for 1920 not available.
[28] See note 4, p. 53.
[41] In 1920 this group included "Postmasters," classified in "Transportation and communication" in 1930.
[42] Includes only those resident in continental United States at date of enumeration.
[43] Probably includes some teachers in schools below collegiate rank.
[44] Includes, also, all technical engineers not elsewhere classified.
[45] Includes, also, chemical and metallurgical engineers.
[46] See note 29, p. 58.
[47] "County agents, farm demonstrators etc.," included with "Agents" in "Clerical occupations."
[48] "Social and welfare workers" included with "Religious workers" in "Semiprofessional pursuits."
[49] Classified in "Domestic and personal service" in 1920, transferred to "Professional service" in 1930.
[50] Chiropractors were included in "Healers (except osteopaths and physicians and surgeons)" in 1920.
[51] "Directors, managers, and officials, motion picture production" were included in the group "Theatrical owners, managers, and officials" in 1920.
[52] Not shown prior to 1930.

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No. 44.—Gainful Workers 10 Years Old and Over: By Occupation and Sex, Continental United States—Continued

Occupation	1920			1930		
	Total	Male	Female	Total	Male	Female
Professional service—Continued.						
Technicians and laboratory assistants	[53]	[53]	[53]	15,988	8,288	7,700
Other occupations	4,257	3,187	1,070	10,521	8,765	1,756
Attendants and helpers	[7]	[7]	[7]	170,384	114,759	55,625
Attendants, pool rooms, bowling alleys, golf clubs, etc	[54]	[54]	[54]	16,168	16,047	121
Dentists' assistants and attendants	6,708	1,768	4,940	13,715	770	12,945
Helpers, motion-picture production	[55]	[55]	[55]	2,213	1,234	979
Laborers, professional service	[55]	[55]	[55]	25,383	23,762	1,621
Laborers, recreation and amusement	[56]	[56]	[56]	29,893	29,458	435
Physicians' and surgeons' attendants	7,051	641	6,410	14,042	689	13,353
Stage hands and circus helpers	5,803	5,377	426	4,274	4,099	175
Theater ushers	5,221	2,868	2,353	12,461	9,308	3,153
Other attendants and helpers	6,929	4,039	2,890	52,235	29,392	22,843
Domestic and personal service	**3,379,995**	**1,193,313**	**2,186,682**	**4,952,451**	**1,772,200**	**3,180,251**
Barbers, hairdressers, and manicurists	216,211	182,965	33,246	374,290	261,096	113,194
Boarding and lodging house keepers	133,392	18,652	114,740	144,371	17,093	127,278
Bootblacks	15,175	15,142	33	18,784	18,747	37
Charwomen and cleaners	36,803	11,848	24,955	61,932	20,943	40,989
Cleaning, dyeing, and pressing shop workers	21,667	17,094	4,573	88,118	66,515	21,603
Owners, managers, and officials	[21]	[21]	[21]	22,116	19,822	2,294
Foremen and overseers	[21]	[21]	[21]	819	470	349
Laborers	[21]	[21]	[21]	4,549	3,910	639
Other operatives	[21]	[21]	[21]	60,634	42,313	18,321
Elevator tenders	40,713	33,376	7,337	67,614	55,255	12,359
Hotel keepers and managers	55,583	41,449	14,134	56,848	39,538	17,310
Housekeepers and stewards	221,612	17,262	204,350	256,746	20,383	236,363
Janitors and sextons	178,628	149,590	29,038	309,625	273,805	35,820
Laborers, domestic and personal service	[58] 32,893	[58] 31,224	[58] 1,669	71,687	67,337	4,350
Launderers and laundresses (not in laundry)	396,756	10,882	385,874	361,033	4,565	356,468
Laundry owners, managers, and officials [57]	13,693	12,239	1,453	24,545	22,482	2,063
Laundry operatives [57]	120,715	39,968	80,747	240,704	80,229	160,475
Deliverymen [58]	[59]	[59]	[59]	20,573	20,558	15
Foremen and overseers	3,611	2,076	1,535	6,337	3,583	2,754
Laborers	13,107	6,570	6,537	19,293	11,001	8,292
Other operatives	103,997	31,322	72,675	194,501	45,087	149,414
Midwives	4,773		4,773	3,566		3,566
Nurses (not trained)	151,996	19,338	132,658	153,443	13,867	139,576
Porters (except in stores)	88,168	87,683	485	127,488	127,436	52
Domestic and personal service	43,208	42,929	279	57,612	57,599	13
Professional service				7,766	7,750	16
Steam railroad	22,513	22,486	27	27,648	27,647	1
Other porters (except in stores)	22,447	22,268	179	34,462	34,440	22
Restaurant, café, and lunch-room keepers	87,987	72,343	15,644	165,406	125,398	40,008
Servants:						
Cooks	398,475	129,857	268,618	565,392	194,297	371,095
Other servants	[60] 872,471	[60] 128,956	[60] 743,515	1,433,741	169,877	1,263,864
Waiters	228,985	112,064	116,921	393,288	161,315	231,973
Other pursuits	63,300	61,381	1,919	33,830	32,022	1,808
Cemetery keepers	5,540	5,496	44	9,762	9,705	57
Hunters, trappers, and guides	7,332	7,288	44	6,219	6,132	87
Other occupations	50,428	48,597	1,831	17,849	16,185	1,664
Clerical occupations [61]	**3,111,836**	**1,689,911**	**1,421,925**	**4,025,324**	**2,038,494**	**1,986,830**
Agents, collectors, and credit men	[62] 161,067	[62] 149,427	[62] 11,640	196,107	182,630	13,477
Bookkeepers, cashiers, and accountants	734,688	375,564	359,124	930,648	447,937	482,711
Accountants and auditors	118,451	105,073	13,378	191,571	174,557	17,014
Bookkeepers and cashiers	616,237	270,491	345,746	739,077	273,380	465,697
Clerks (except "clerks" in stores)	1,487,905	1,015,742	472,163	1,997,000	1,290,447	706,553
Messenger, errand, and office boys and girls [63]	113,022	98,768	14,254	90,379	81,430	8,949
Stenographers and typists	615,154	50,410	564,744	811,190	36,050	775,140

[7] Comparable figures for 1920 not available.

[21] Not classified separately in 1920.

[53] Largely distributed among three groups—"Semiskilled operatives, other chemical factories"; Other occupations under "Semiprofessional pursuits" and "Other clerks" under "Clerical occupations."

[54] Included in 1920 in "Other servants" in "Domestic and personal service."

[55] Included in "Operatives, other and not specified manufacturing industries," p. 55.

[56] "Laborers, professional service"; "Laborers, recreation and amusement"; and "Laborers, domestic and personal service" comprised the 1920 group "Laborers, domestic and professional service."

[57] Some owners of hand laundries probably are included with laundry operatives.

[58] Some deliverymen probably returned as chauffeurs.

[59] Included with "Deliverymen" in "Trade."

[60] "Attendants, pool rooms, bowling alleys, golf clubs, etc.," classified in "Professional service" in 1930, formed a part of the 1920 group "Bell boys, chore boys, etc.," which was a subgroup of the group "Servants."

[61] See note 39, p. 59, and note 62 below.

[62] "Advertising agents" classified in "Trade" in 1920 and "County agents, farm demonstrators, etc.," classified in "Professional service" in 1930, included with "Agents" in "Clerical occupations" in 1920. Canvassers, classified in "Clerical occupations" in 1920, were transferred to "Trade" in 1930.

[63] Except telegraph messengers.

Source: Bureau of the Census, Department of Commerce.

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No 45.—GAINFUL WORKERS 10 YEARS OF AGE AND OVER BY GEN-

Note.—For total number of males and

Division and State	Male								
	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation and communication	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service
Continental United States	**9,562,059**	**250,140**	**983,564**	**12,224,345**	**3,561,943**	**5,118,787**	**838,622**	**1,727,650**	**1,772,200**
New England	**206,338**	**22,007**	**6,601**	**1,175,759**	**232,075**	**368,617**	**75,897**	**124,777**	**125,705**
Maine	49,973	9,103	1,434	95,266	24,372	27,923	6,257	8,971	8,853
New Hampshire	21,493	2,176	519	69,375	13,422	16,371	3,006	5,760	6,040
Vermont	37,234	749	2,350	37,105	10,438	11,500	2,790	3,898	3,416
Massachusetts	53,720	7,687	1,435	608,316	126,171	210,499	42,528	72,660	72,361
Rhode Island	8,607	1,065	237	111,631	17,722	30,879	7,394	9,189	10,645
Connecticut	35,311	1,227	626	254,066	39,950	71,445	13,922	24,299	24,390
Middle Atlantic	**566,058**	**13,474**	**311,790**	**3,353,133**	**899,336**	**1,328,792**	**218,847**	**459,079**	**497,316**
New York	260,233	5,196	9,119	1,568,416	458,713	742,401	115,927	252,223	314,451
New Jersey	61,975	2,845	3,633	580,945	139,348	208,593	37,576	75,135	68,866
Pennsylvania	243,850	5,433	299,038	1,203,772	301,275	377,798	65,344	131,721	113,999
East North Central	**1,413,202**	**25,662**	**144,609**	**3,237,041**	**764,512**	**1,109,246**	**155,074**	**374,889**	**352,559**
Ohio	303,582	2,213	39,374	889,451	214,320	285,560	38,131	100,568	86,357
Indiana	243,947	1,291	21,095	383,615	97,800	126,616	16,979	44,276	37,955
Illinois	343,746	2,387	60,526	910,372	255,602	392,334	51,342	126,233	137,164
Michigan	241,066	12,531	20,380	730,149	124,374	196,085	34,864	66,315	62,281
Wisconsin	280,861	7,240	3,234	323,454	72,416	108,651	13,758	37,497	28,802
West North Central	**1,652,311**	**11,144**	**53,120**	**896,148**	**385,735**	**546,327**	**66,270**	**169,337**	**155,259**
Minnesota	294,294	6,040	10,735	185,558	72,685	106,140	13,501	33,788	30,103
Iowa	324,072	772	8,662	158,321	71,415	99,154	11,002	29,561	23,649
Missouri	358,243	3,751	16,318	308,142	112,360	168,290	19,546	50,457	55,605
North Dakota	130,818	35	1,088	20,751	13,782	19,373	1,856	6,854	4,737
South Dakota	127,584	217	1,496	25,935	14,179	21,490	2,723	7,780	4,940
Nebraska	193,334	155	570	75,154	38,499	57,011	6,053	17,433	14,584
Kansas	223,966	174	14,251	122,287	62,815	74,869	11,589	23,464	21,641
South Atlantic	**1,678,088**	**53,350**	**140,392**	**1,215,490**	**375,928**	**486,244**	**116,136**	**166,993**	**180,178**
Delaware	16,737	354	61	29,529	8,590	8,916	2,311	3,468	3,147
Maryland	81,405	6,053	5,023	188,682	57,569	73,341	19,601	25,218	24,610
District of Columbia	1,058	56	84	41,866	16,174	26,612	13,165	16,645	16,746
Virginia	252,539	11,349	16,003	179,833	67,483	71,198	25,431	29,440	25,181
West Virginia	112,767	5,208	109,900	122,064	44,762	41,709	5,318	18,560	13,390
North Carolina	429,303	8,996	2,739	221,930	48,019	76,607	11,520	23,285	27,672
South Carolina	256,039	3,345	927	114,925	28,285	37,506	7,913	11,321	12,539
Georgia	412,311	5,164	3,414	189,226	59,265	83,229	18,667	23,633	29,763
Florida	115,929	12,825	2,241	127,435	45,781	67,126	12,210	21,423	27,130
East South Central	**1,492,053**	**19,677**	**108,262**	**551,071**	**211,844**	**252,088**	**33,693**	**80,129**	**87,783**
Kentucky	342,589	2,170	61,756	141,932	61,650	69,651	10,244	24,339	23,167
Tennessee	346,276	4,409	14,594	169,572	62,810	79,554	9,802	23,747	28,968
Alabama	388,316	5,460	31,403	163,731	52,698	63,528	8,762	19,153	21,530
Mississippi	414,872	7,638	509	75,836	34,686	39,365	4,885	12,890	14,118
West South Central	**1,640,003**	**28,919**	**90,424**	**707,255**	**303,355**	**418,400**	**67,009**	**126,363**	**148,155**
Arkansas	336,356	6,975	7,391	77,126	34,400	43,800	4,633	14,774	13,526
Louisiana	248,649	13,350	7,072	140,086	64,846	67,191	11,210	18,340	27,066
Oklahoma	293,279	2,207	41,273	133,925	51,457	85,852	12,158	28,391	27,344
Texas	761,719	6,387	34,688	356,118	152,652	221,557	39,008	64,858	80,219
Mountain	**415,486**	**12,455**	**80,794**	**236,104**	**116,122**	**131,891**	**24,604**	**53,034**	**46,705**
Montana	77,409	2,616	14,949	32,398	18,119	17,236	3,016	6,588	6,082
Idaho	64,112	5,470	5,577	25,419	10,751	13,774	1,620	5,590	4,149
Wyoming	29,781	814	6,312	14,792	9,353	6,542	3,911	2,978	2,906
Colorado	101,990	1,249	17,483	70,761	32,193	45,533	6,438	16,646	14,842
New Mexico	56,689	1,142	7,002	20,158	12,638	10,059	1,296	4,742	4,242
Arizona	36,511	809	13,973	30,491	13,274	16,771	4,794	7,044	6,469
Utah	40,284	235	10,506	34,268	14,114	18,146	2,945	7,575	5,684
Nevada	8,710	120	4,992	7,817	5,680	3,630	584	1,871	2,331
Pacific	**498,520**	**63,452**	**47,572**	**852,344**	**273,036**	**477,372**	**81,092**	**173,049**	**178,540**
Washington	99,374	31,894	5,710	176,909	56,326	75,928	15,715	25,581	25,329
Oregon	78,769	18,625	2,165	98,865	34,030	45,261	6,058	15,879	14,451
California	320,377	12,933	39,697	576,570	182,680	356,183	59,319	131,589	138,760

Source: Bureau of the Census, Department of Commerce.

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ERAL DIVISIONS OF OCCUPATIONS, BY SEX AND BY STATES, 1930

females gainfully employed, see Table 46

Male—Contd.	Female										
Clerical occupations	Agriculture	Forestry and fishing	Extraction of minerals	Manufacturing and mechanical industries	Transportation and communication	Trade	Public service (not elsewhere classified)	Professional service	Domestic and personal service	Clerical occupations	Division and State
2,038,494	909,939	329	759	1,886,307	281,204	962,680	17,583	1,526,234	3,180,251	1,986,830	U. S.
151,710	6,281	20	-------	303,199	20,981	70,339	1,074	127,491	217,812	194,484	N. E.
7,958	1,489	10	-------	18,719	1,803	5,522	111	11,217	20,271	9,351	Me.
4,548	574	-------	-------	19,928	991	3,144	44	6,976	12,164	6,135	N. H.
3,326	880	-------	-------	4,345	872	2,210	73	5,283	10,471	4,263	Vt.
89,939	1,923	4	-------	164,977	12,296	40,560	594	70,959	119,806	117,880	Mass.
11,974	226	3	-------	39,831	1,350	5,923	67	8,884	16,581	14,964	R. I.
33,965	1,189	3	-------	55,399	3,669	12,980	185	24,172	38,519	41,891	Conn.
674,212	16,301	12	228	619,548	80,255	231,748	3,293	353,868	699,807	630,451	M. A.
381,553	7,140	6	110	297,958	48,318	117,722	1,800	193,848	376,596	371,607	N. Y.
116,678	2,086	2	5	108,770	12,090	32,245	461	51,816	104,698	104,339	N. J.
175,981	7,075	4	113	212,818	19,847	81,781	1,032	108,204	218,513	154,505	Pa.
466,113	37,946	16	193	373,534	65,297	225,294	3,696	303,286	584,776	471,376	E. N. C.
116,602	8,064	-------	44	101,791	15,638	60,897	1,045	78,533	157,898	115,646	Ohio.
42,187	5,937	2	8	49,480	5,998	25,881	575	34,770	66,647	46,006	Ind.
189,510	8,231	2	10	125,324	26,517	75,342	1,038	96,681	192,311	190,012	Ill.
79,480	6,586	10	130	55,882	10,599	40,306	682	57,471	109,839	78,317	Mich.
38,334	9,128	2	1	41,057	6,495	22,868	356	35,831	58,081	41,395	Wis.
171,021	44,761	20	52	106,748	30,577	102,437	2,372	191,517	293,665	174,016	W. N. C.
38,989	9,295	15	1	20,581	5,930	21,271	358	40,471	61,955	41,088	Minn.
22,705	6,809	-------	2	14,828	5,600	18,848	450	39,171	49,403	28,411	Iowa.
66,022	12,635	5	12	53,085	8,872	30,563	534	40,876	91,853	60,799	Mo.
4,796	3,575	-------	-------	1,244	1,140	2,938	138	10,711	12,760	3,707	N. D.
3,999	3,158	-------	2	1,747	1,099	4,080	181	10,950	11,725	4,368	S. D.
14,494	3,865	-------	-------	5,835	3,281	10,294	238	22,231	28,151	15,826	Nebr.
20,016	5,424	-------	35	9,428	4,655	14,443	473	27,107	37,818	19,817	Kans.
168,991	289,344	87	54	243,057	21,282	83,713	2,013	159,760	519,036	150,168	S. A.
4,108	579	-------	-------	4,075	427	1,809	28	2,602	7,147	4,216	Del.
33,685	2,677	6	-------	34,730	3,499	14,111	257	18,745	56,277	27,390	Md.
22,622	23	-------	-------	4,792	2,417	6,044	653	10,524	33,736	30,636	D. C.
25,487	18,157	9	3	33,022	3,139	11,384	235	25,227	70,050	21,041	Va.
14,576	5,433	-------	23	11,634	2,137	8,558	119	16,304	27,733	10,257	W. Va.
17,935	70,654	35	1	68,789	2,545	10,869	168	28,708	75,779	15,417	N. C.
8,176	88,590	7	-------	32,665	1,243	5,379	58	15,569	56,936	6,314	S. C.
25,547	85,630	8	15	43,834	3,728	13,102	245	25,791	118,760	20,826	Ga.
16,855	17,601	22	12	14,516	2,147	12,457	250	16,290	72,618	14,071	Fla.
72,827	293,133	38	29	81,561	11,975	42,683	793	78,749	256,878	61,905	E. S. C.
22,919	15,917	2	11	20,941	4,176	13,373	306	20,464	51,132	20,356	Ky.
23,330	30,576	13	4	32,042	3,494	12,316	195	22,710	73,022	20,952	Tenn.
17,700	104,445	16	12	21,950	2,465	10,040	146	20,504	80,815	13,621	Ala.
8,378	142,195	7	2	6,628	1,840	6,954	146	15,071	51,909	6,976	Miss.
126,682	188,817	81	105	54,824	20,479	72,015	1,504	116,570	311,275	95,997	W. S. C.
9,671	48,025	24	1	4,834	2,045	7,351	172	13,135	35,955	7,651	Ark.
26,386	48,152	38	63	14,803	3,215	12,495	146	18,195	77,946	16,367	La.
22,772	12,812	4	13	5,998	4,630	14,392	361	24,696	46,126	20,314	Okla.
67,853	79,828	15	28	29,189	10,589	37,777	825	60,544	151,248	51,665	Tex.
42,568	13,896	10	40	19,041	7,441	26,219	952	51,721	77,834	38,090	Mt.
5,792	2,109	2	3	1,220	960	3,499	146	8,368	11,201	4,766	Mont.
3,484	1,416	3	-------	1,233	772	2,867	114	5,827	6,883	3,171	Idaho.
2,320	1,014	-------	1	363	435	1,184	70	3,470	4,465	1,737	Wyo.
14,739	4,078	1	5	5,973	2,681	9,224	260	16,846	26,408	15,519	Colo.
2,538	2,211	4	6	3,164	514	1,733	73	4,383	8,004	2,009	N. M.
5,189	1,912	-------	9	4,213	598	3,038	146	5,572	10,405	4,078	Ariz.
7,259	963	-------	8	2,701	1,294	3,978	105	5,977	8,123	5,835	Utah.
1,247	193	-------	8	174	187	696	38	1,278	2,345	983	Nev.
164,870	19,460	45	58	79,797	22,917	108,232	1,886	143,272	219,168	170,337	Pac.
25,288	4,703	27	10	11,502	3,908	17,608	281	23,407	39,151	26,079	Wash.
14,400	3,110	7	2	8,301	2,461	10,188	183	16,068	24,702	16,120	Oreg.
125,182	11,647	11	46	59,994	16,548	80,436	1,422	103,797	155,315	128,138	Calif.

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No. 46.—PERSONS 10 YEARS OF AGE AND OVER GAINFULLY OCCUPIED: BY STATES

NOTE.—The percentages represent the proportion which persons occupied form of the total population of the given sex 10 years of age and over

Division and State	Males				Females			
	Number		Per cent		Number		Per cent	
	1920	1930	1920	1930	1920	1930	1920	1930
Continental United States	33,064,737	38,053,795	78.2	76.2	8,549,511	10,778,794	21.1	22.1
New England	2,363,377	2,487,976	80.4	75.7	871,015	943,384	29.0	27.6
Maine	245,013	239,994	77.9	74.4	64,845	68,623	21.1	21.4
New Hampshire	143,525	142,626	79.2	75.1	49,302	50,045	27.3	26.0
Vermont	111,585	112,762	77.2	75.9	26,899	28,428	19.2	19.9
Massachusetts	1,225,163	1,284,454	80.9	75.7	503,155	529,968	31.6	29.2
Rhode Island	194,438	209,216	82.0	77.2	80,562	87,952	32.7	30.4
Connecticut	443,653	498,924	81.0	76.0	146,252	178,368	27.1	26.8
Middle Atlantic	7,122,699	8,814,461	80.1	76.9	2,117,517	2,643,177	24.1	24.6
New York	3,367,909	4,104,369	80.4	78.0	1,135,295	1,418,716	26.9	27.0
New Jersey	1,014,663	1,294,419	80.8	77.5	295,990	417,706	23.9	25.2
Pennsylvania	2,740,127	2,915,673	79.5	75.0	686,232	806,755	20.7	21.0
East North Central	6,951,808	8,038,337	78.7	76.1	1,564,041	2,070,697	18.9	20.5
Ohio	1,891,546	2,074,880	79.4	75.6	409,970	541,058	18.3	20.1
Indiana	931,647	1,015,163	77.7	76.0	185,385	236,014	16.0	18.1
Illinois	2,086,800	2,467,644	78.8	76.8	540,938	717,231	21.3	23.0
Michigan	1,228,631	1,566,797	80.0	76.9	245,383	360,701	18.1	19.4
Wisconsin	813,184	913,853	75.8	74.6	182,365	215,693	18.3	18.7
West North Central	3,815,681	4,104,942	74.6	74.7	772,315	948,084	16.2	18.0
Minnesota	742,947	791,553	75.3	74.1	164,066	201,294	18.4	20.0
Iowa	717,377	749,008	73.2	73.5	141,321	163,824	15.2	16.6
Missouri	1,072,545	1,158,060	77.4	77.5	244,615	299,994	18.1	20.1
North Dakota	178,754	204,060	70.9	72.4	28,328	36,257	13.0	14.8
South Dakota	186,885	210,315	72.2	73.1	29,686	37,303	13.3	14.6
Nebraska	385,292	417,123	72.9	73.5	71,789	89,899	14.8	16.7
Kansas	531,881	574,823	73.8	74.0	92,510	119,453	13.7	16.1
South Atlantic	4,096,041	4,579,014	77.5	75.6	1,243,958	1,476,624	23.8	24.1
Delaware	73,122	77,153	79.7	77.0	18,102	20,951	20.8	21.7
Maryland	466,257	514,611	80.0	77.3	137,221	158,295	23.8	24.0
Dist. of Columbia	143,401	154,882	82.6	78.3	92,626	88,977	45.5	40.2
Virginia	677,366	697,555	76.4	74.3	156,210	182,721	18.1	19.6
West Virginia	433,677	487,705	76.0	72.4	57,439	82,754	11.2	13.2
North Carolina	693,155	867,807	75.5	74.7	202,697	273,322	21.9	23.0
South Carolina	468,601	480,843	77.6	76.4	205,656	206,878	33.4	31.2
Georgia	840,412	849,852	78.6	77.4	288,745	312,322	26.7	27.4
Florida	300,050	448,606	77.7	76.1	85,262	150,404	23.3	25.7
East South Central	2,608,411	2,907,152	77.9	77.1	702,433	829,430	21.1	21.9
Kentucky	719,629	759,966	77.1	75.0	131,493	147,200	14.5	14.8
Tennessee	677,988	762,321	76.5	75.7	152,108	195,888	17.2	19.2
Alabama	684,348	771,918	79.5	78.1	223,868	254,402	25.8	25.1
Mississippi	526,446	612,947	78.7	80.5	194,964	231,940	29.1	30.3
West South Central	3,049,275	3,654,478	76.2	76.1	666,973	864,264	17.8	18.6
Arkansas	518,754	548,373	77.7	76.1	115,810	119,497	18.2	17.1
Louisiana	528,507	623,787	77.2	77.3	152,726	191,938	22.4	23.5
Oklahoma	586,834	698,218	73.6	73.2	94,594	129,811	13.2	14.6
Texas	1,415,180	1,784,100	76.6	76.9	303,843	423,018	17.8	19.0
Mountain	1,077,774	1,159,205	77.1	74.9	177,220	235,902	15.2	17.3
Montana	185,905	184,117	78.9	76.5	28,278	32,354	15.2	16.7
Idaho	135,950	139,872	75.5	74.1	17,509	22,351	12.0	13.9
Wyoming	72,134	79,690	81.7	78.8	9,402	12,761	15.0	16.4
Colorado	303,870	321,718	76.8	74.9	62,587	81,176	17.8	20.0
New Mexico	107,090	120,687	74.5	73.4	14,941	22,179	12.1	14.8
Arizona	112,193	135,209	78.1	75.0	18,386	30,095	16.4	19.5
Utah	127,418	140,953	74.0	71.2	21,783	29,060	13.7	15.4
Nevada	33,214	36,959	84.3	81.2	4,334	5,926	17.7	19.4
Pacific	1,979,671	2,808,230	79.8	77.5	434,039	767,282	20.4	23.2
Washington	485,767	537,716	80.3	77.0	92,900	127,097	18.7	20.7
Oregon	267,791	328,359	78.1	77.6	54,492	81,321	18.4	21.4
California	1,226,113	1,942,155	80.0	77.7	286,647	558,814	21.4	24.2

Source: Bureau of the Census, Department of Commerce.

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No. 47.—RELIGIOUS BODIES: CHURCHES AND MEMBERS, BY DENOMINATIONS

NOTE.—The 1916 figures here presented have been adjusted for organic changes occurring in some of the denominations and also for differences in method of reporting members. The data for Jews are not comparable for the two censuses. See also headnote, Table 48.

Denomination	Churches reporting members		Number of members		Membership by age, 1926		
	1916	1926	1916	1926	Under 13 years	13 years and over	Age not reported
All denominations	**226,718**	**232,154**	**43,311,647**	**54,576,346**	**8,320,785**	**36,948,280**	**9,307,301**
Adventists (5 bodies)	2,667	2,576	114,915	146,177	3,540	127,467	15,170
Baptist bodies	57,828	60,192	7,153,313	8,440,922	415,798	6,149,474	1,875,650
Northern Baptist Convention	[1] 8,177	7,611	[1] 1,190,863	1,289,966	49,897	1,122,211	117,858
Southern Baptist Convention	23,580	23,374	2,708,870	3,524,378	182,828	2,805,542	536,008
American Baptist Association		1,431		117,858	1,149	103,899	12,810
Negro Baptists	[2] 21,213	22,081	[2] 2,992,421	3,196,623	178,230	1,921,338	1,097,055
Free Will Baptists	750	1,024	54,833	79,592	1,190	65,786	12,616
Primitive Baptists	2,142	2,267	80,311	81,374	75	42,283	39,016
All other (13 bodies)	1,966	2,404	126,015	151,131	2,429	88,415	60,287
Brethren, German Baptist (Dunkers) (5 bodies)	1,283	1,279	133,626	158,248	9,769	137,343	11,136
Christian Church (Gen. Convention)	1,263	1,044	118,737	112,795	7,411	93,500	11,884
Church of Christ, Scientist	[3]	1,913	[3]	202,098		202,098	
Church of the Nazarene	866	1,444	32,259	63,558	3,077	55,991	4,490
Churches of Christ	5,570	6,226	317,937	433,714			433,714
Congregational Churches	[4] 5,900	5,028	[4] 809,236	881,696	16,291	752,534	112,871
Disciples of Christ	8,396	7,648	1,226,028	1,377,595	87,237	1,148,335	142,023
Eastern Orthodox Churches	301	446	249,840	259,394	59,913	186,399	13,082
Greek Orthodox Church	87	153	119,871	119,495	23,020	87,844	8,631
Russian Orthodox Church	169	199	99,681	95,134	26,003	65,751	3,380
All other (5 bodies)	45	94	30,288	44,765	10,890	32,804	1,071
Evangelical Church	[5] 2,592	2,054	[5] 210,530	206,080	10,410	186,910	8,760
Evangelical Congregational Church		153		20,449	1,205	19,012	232
Evangelical Synod of North America	1,331	1,287	339,853	314,518		314,518	
Friends (4 bodies)	1,023	885	112,982	110,422	16,166	85,945	8,311
Jewish congregations	1,619	3,118	357,135	4,081,242			4,081,242
Latter Day Saints (2 bodies)	1,530	1,867	462,329	606,561	119,861	442,874	43,826
Lutheran bodies	13,921	15,102	[6] 3,445,883	3,966,003	1,086,652	2,731,969	147,382
United Luth. Church in America	[7] 3,559	3,650	[6] 1,030,178	1,214,340	304,723	865,844	43,773
Augustana Synod	1,165	1,180	[6] 271,927	311,425	76,920	232,733	1,772
Synodical Conference of America	[8] 3,620	4,752	[6] 1,112,065	1,292,620	370,685	860,021	61,914
Norwegian Luth. Church of America	[9] 2,740	2,554	[6] 459,944	496,707	146,306	328,306	22,095
Joint Synod of Ohio and other States	826	872	[6] 236,010	247,783	73,234	170,043	4,506
Synod of Iowa and other States	977	873	[6] 186,027	217,873	63,798	150,159	3,916
All other (12 bodies)	1,034	1,221	[6] 149,732	185,255	50,986	124,863	9,406
Mennonites (17 bodies)	835	826	79,363	87,164	1,735	77,641	7,788
Methodist bodies	65,692	60,644	7,166,885	8,070,619	686,940	6,190,559	1,193,120
Methodist Episcopal Church	29,315	26,130	3,717,785	4,080,777	313,840	3,250,505	516,432
Methodist Protestant Church	2,473	2,239	186,908	192,171	11,551	150,373	30,247
Methodist Episcopal, South	19,184	18,096	2,114,479	2,487,694	239,647	1,820,330	427,717
African Methodist Episcopal	6,633	6,708	548,355	545,814	42,230	358,833	144,751
African Methodist Episcopal Zion	2,716	2,466	257,169	456,813	57,977	391,960	6,876
Colored Methodist Episcopal	2,621	2,518	245,749	202,713	14,904	129,643	58,106
All other (13 bodies)	2,750	2,487	96,440	104,637	6,731	88,915	8,991
Polish National Catholic Church	34	91	28,245	61,574	16,151	35,950	9,473
Presbyterian bodies	15,840	14,848	2,255,626	2,625,284	122,361	2,281,698	221,225
Presbyterian Church, U. S. A	[10] 9,773	8,947	[10] 1,625,817	1,894,030	77,700	1,653,033	163,297
Cumberland Presbyterian Church	1,313	1,097	72,052	67,938	3,345	57,770	6,823
United Presbyterian Church	991	901	160,726	171,571	7,587	156,512	7,472
Presbyterian Church, U. S	3,365	3,469	357,769	451,043	30,769	379,463	40,811
All other (5 bodies)	398	434	39,262	40,702	2,960	34,920	2,822
Protestant Episcopal Church	7,345	7,299	[6] 1,480,898	1,859,086	462,310	1,299,351	97,425
Reformed bodies	2,745	2,682	[6] 556,171	617,551	35,891	524,155	57,505
Reformed Church in America	715	717	144,929	153,739	1,951	118,664	33,124
Reformed Church in the U. S	[11] 1,804	1,709	[6] [11] 54,225	361,286	1,995	339,344	19,947
Free Magyar Reformed		11		3,992	1,398	1,895	699
Christian	226	245	57,017	98,534	30,547	64,252	3,735
Roman Catholic Church	17,375	18,940	15,721,815	18,605,003	5,053,781	12,857,277	693,945
Salvation Army	742	1,052	35,954	74,768	21,006	53,745	17
Spiritualists	354	611	29,028	50,631	506	39,204	10,921
Unitarians	411	353	82,515	60,152	595	57,373	2,184
United Brethren (3 bodies)	3,889	3,375	367,934	395,885	32,819	330,305	32,761
Universalist Church	643	498	58,566	54,957	676	49,835	4,446
All other denominations	4,723	8,673	364,044	632,200	48,684	516,798	66,718

[1] Includes Free Baptist churches, but excludes Negro churches.
[2] Includes Negro churches formerly reported with the Northern Baptist Convention.
[3] Not reported
[4] Includes figures for Evangelical Protestant Church of North America.
[5] Includes Evangelical Association and United Evangelical Church.
[6] Partly estimated.
[7] Includes General Synod, United Synod of the South, and General Council (except Augustana Synod).
[8] Includes 4 synods, of which the largest is the Synod of Missouri, Ohio, and other States.
[9] Includes Hauge's Synod, Norwegian Lutheran Church, and United Lutheran Church.
[10] Includes figures for Welsh Calvinistic Methodist Church.
[11] Includes Hungarian Reformed

Source: Bureau of the Census, Department of Commerce.

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No. 48.—RELIGIOUS BODIES: VALUE OF PROPERTY AND EXPENDITURES, AND NUMBER OF SUNDAY SCHOOLS AND SCHOLARS, AS REPORTED FOR 1926

NOTE.—The names of many of the denominations have been somewhat abbreviated

Denomination	Value of church edifices		Expenditures during year		Sunday schools	
	Churches reporting	Amount	Churches reporting	Amount	Churches reporting	Number of scholars
All denomination	202, 930	$3,839,500,610	216, 042	$817,214,528	184, 686	21, 038, 526
Adventists (5 bodies)	1, 819	11, 069, 449	2, 336	7, 610, 863	1, 759	102, 779
Baptist bodies	52, 281	469, 827, 795	54, 145	98, 045, 096	47, 889	4, 654, 241
Northern Baptist Convention	7, 297	185, 370, 576	7, 380	34, 318, 486	6, 999	1, 052, 794
Southern Baptist Convention	21, 128	173, 456, 965	22, 338	42, 904, 563	19, 882	2, 345, 630
American Baptist Association	1, 054	1, 832, 546	1, 303	482, 045	918	56, 228
Negro Baptists	19, 833	103, 465, 759	20, 209	19, 475, 981	18, 755	1, 121, 362
Free Will Baptists	765	1, 156, 743	872	252, 613	643	38, 199
Primitive Baptists	1, 037	1, 730, 348	776	166, 847	5	181
All other (13 bodies)	1, 167	2, 814, 858	1, 267	444, 561	687	39, 847
Brethren, German Baptist (Dunkers) (5 bodies)	1, 206	11, 110, 013	1, 182	2, 293, 622	1, 067	133, 483
Christian Church (General Convention)	976	7, 202, 193	1, 004	1, 353, 379	938	85, 478
Church of Christ Scientist	1, 185	69, 416, 744	1, 859	14, 202, 116	1, 655	140, 566
Church of the Nazarene	1, 113	7, 323, 718	1, 340	3, 124, 444	1, 233	109, 237
Churches of Christ	5, 089	16, 402, 158	5, 975	3, 961, 310	4, 403	274, 571
Congregational Churches	4, 795	162, 212, 552	4, 810	25, 820, 342	4, 601	596, 881
Disciples of Christ	6, 887	114, 850, 211	7, 250	22, 967, 484	6, 680	1, 000, 416
Eastern Orthodox Churches	397	11, 789, 108	423	2, 044, 415	198	14, 195
Greek Orthodox Church	131	5, 011, 718	145	958, 809	73	5, 796
Russian Orthodox Church	187	4, 883, 515	195	838, 453	90	5, 770
All other (5 bodies)	79	1, 893, 875	83	247, 153	35	2, 629
Evangelical Church	1, 989	25, 380, 761	2, 036	5, 951, 009	2, 000	280, 195
Evangelical Congregational Church	142	2, 319, 400	153	574, 165	148	27, 395
Evangelical Synod of North America	1, 253	35, 789, 581	1, 274	6, 002, 900	1, 146	171, 402
Federated churches	343	6, 159, 725	354	1, 272, 455	347	46, 820
Friends (4 bodies)	819	10, 217, 657	854	1, 687, 785	727	67, 839
Jewish Congregations	1, 135	97, 401, 688	1, 290	19, 076, 451	531	70, 380
Latter Day Saints (2 bodies)	1, 415	18, 983, 315	1, 769	3, 095, 895	1, 736	209, 593
Lutheran bodies	13, 400	273, 409, 748	14, 721	59, 500, 845	11, 472	1, 249, 998
United Lutheran Church in America	3, 516	114, 526, 248	3, 577	21, 162, 961	3, 415	619, 781
Augustana Synod	1, 118	22, 781, 698	1, 165	5, 369, 446	1, 036	100, 775
Synodical Conference of America	3, 878	78, 755, 894	4, 601	19, 487, 432	3, 028	212, 071
Norwegian Lutheran Church of America	2, 278	24, 822, 215	2, 497	5, 786, 977	1, 660	131, 147
Joint Synod of Ohio and Other States	832	15, 646, 708	865	3, 702, 259	769	88, 822
Synod of Iowa and Other States	799	8, 657, 486	867	2, 223, 888	778	50, 878
All other (12 bodies)	979	8, 219, 499	1, 149	1, 767, 882	786	46, 524
Mennonites (17 bodies)	680	4, 453, 613	731	1, 270, 067	631	87, 897
Methodist bodies	56, 493	654, 736, 975	59, 483	152, 151, 978	54, 804	6, 567, 654
Methodist Episcopal Church	25, 290	406, 165, 659	25, 790	89, 422, 307	24, 730	3, 796, 561
Methodist Protestant Church	2, 094	16, 817, 278	2, 160	3, 137, 211	1, 917	173, 438
Methodist Episcopal, South	16, 443	161, 986, 430	17, 798	41, 651, 150	15, 525	1, 802, 464
African Methodist Episcopal	5, 829	32, 092, 549	6, 492	7, 600, 161	5, 884	288, 247
African Methodist Episcopal Zion	2, 370	18, 515, 723	2, 464	4, 757, 066	2, 429	267, 141
Colored Methodist Episcopal	2, 341	9, 211, 437	2, 477	2, 428, 234	2, 351	103, 523
All other (13 bodies)	2, 126	9, 947, 899	2, 302	3, 155, 849	1, 968	136, 280
Polish National Catholic Church	84	3, 365, 600	87	485, 698	74	6, 401
Presbyterian bodies	13, 852	443, 572, 158	14, 259	87, 535, 390	13, 222	2, 001, 928
Presbyterian Church in the U. S. A.	8, 437	338, 152, 743	8, 656	63, 230, 663	8, 237	1, 407, 298
Cumberland Presbyterian Church	986	3, 321, 287	961	759, 021	765	48, 052
United Presbyterian Church	879	29, 714, 845	890	6, 642, 820	871	148, 658
Presbyterian Church in the U. S.	3, 148	67, 798, 658	3, 330	15, 612, 028	2, 959	367, 795
All other (5 bodies)	402	4, 584, 625	422	1, 290, 858	390	30, 125
Protestant Episcopal Church	6, 532	314, 596, 738	6, 817	44, 790, 130	5, 607	479, 430
Reformed bodies	2, 618	88, 457, 147	2, 659	14, 810, 436	2, 489	465, 725
Reformed Church in America	690	38, 436, 822	714	5, 524, 673	689	124, 308
Reformed Church in the U. S.	1, 680	44, 662, 875	1, 692	7, 488, 446	1, 614	315, 343
All other (2 bodies)	248	5, 357, 450	253	1, 797, 317	186	26, 074
Roman Catholic Church	16, 254	837, 271, 053	16, 317	204, 526, 487	8, 239	1, 201, 330
Salvation Army	652	17, 738, 506	1, 044	6, 001, 317	1, 015	91, 586
Spiritualists	94	1, 384, 156	509	531, 508	92	5, 552
Unitarians	337	27, 713, 554	344	3, 418, 975	317	19, 722
United Brethren (3 bodies)	3, 224	29, 578, 679	3, 288	7, 321, 073	3, 088	400, 749
Universalist Church	470	15, 826, 940	470	1, 616, 624	350	24, 738
All other denominations	5, 396	49, 939, 675	7, 259	14, 170, 269	6, 228	450, 295

Source: Bureau of the Census, Department of Commerce.

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2.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS

[Data in this section relate to continental United States. See also general note, p. 68]

No. 49.—DEFECTIVES, DELINQUENTS, AND DEPENDENTS: BY STATES

NOTE.—For later data for prisoners and patients in State and Federal institutions see Tables 56, 57, 61, and 62

Division and State	Number enumerated							Ratio per 100,000 of population			
	Apr. 1, 1930		Jan. 1, 1923					Apr. 1, 1930		Jan. 1, 1923	
	Deaf-mutes	Blind	Patients in hospitals for mental disease	Feeble-minded in institutions	Prisoners [1]	Juvenile delinquents [2]	Paupers in almshouses	Deaf-mutes	Blind	Patients in hospitals for mental disease	Prisoners
United States	**57,084**	**63,489**	**267,617**	**42,954**	**109,619**	**27,238**	**78,090**	**46.5**	**51.7**	**245.0**	**99.7**
New England	**3,607**	**3,952**	**26,876**	**5,009**	**5,948**	**2,603**	**9,529**	**44.2**	**48.4**	**352.7**	**77.6**
Maine	444	626	1,864	467	511	288	745	55.7	78.5	240.6	65.9
New Hampshire	222	251	1,399	393	244	167	870	47.7	53.9	313.5	54.6
Vermont	214	223	1,277	179	357	207	234	59.5	62.0	362.3	101.3
Massachusetts	1,820	1,924	15,869	3,034	3,134	1,229	5,629	42.8	45.3	399.0	78.3
Rhode Island	339	347	1,630	377	547	196	889	49.3	50.5	262.8	87.7
Connecticut	568	581	4,837	559	1,155	516	1,162	35.3	36.2	333.8	79.0
Middle Atlantic	**11,896**	**10,913**	**70,535**	**13,393**	**20,706**	**6,613**	**18,564**	**43.4**	**38.1**	**306.4**	**89.4**
New York	5,373	4,418	40,986	7,278	10,635	3,202	8,740	42.7	35.1	382.6	98.7
New Jersey	1,324	1,222	8,864	1,633	2,594	887	1,764	32.8	30.2	267.4	77.5
Pennsylvania	4,699	4,373	20,685	4,482	7,477	2,524	8,060	48.8	45.4	230.0	82.7
East North Central	**12,168**	**14,120**	**56,881**	**10,323**	**21,059**	**4,987**	**21,405**	**48.1**	**55.8**	**255.0**	**93.7**
Ohio	3,047	4,154	13,163	2,510	5,638	1,604	6,872	45.8	62.5	218.8	92.9
Indiana	1,713	2,204	6,595	1,565	2,911	832	3,128	52.9	68.1	220.6	97.0
Illinois	3,315	4,490	19,061	2,458	6,166	1,200	6,415	43.4	58.8	284.4	91.4
Michigan	2,336	1,742	8,971	2,132	4,722	750	3,262	48.2	36.0	230.7	120.0
Wisconsin	1,757	1,530	9,091	1,658	1,622	601	1,728	59.8	52.1	335.6	59.5
West North Central	**7,145**	**8,751**	**31,355**	**6,547**	**10,264**	**3,228**	**7,298**	**53.7**	**65.8**	**245.4**	**80.0**
Minnesota	1,226	1,049	6,691	1,892	2,211	738	1,032	47.8	40.9	271.2	89.0
Iowa	1,162	1,577	6,902	1,596	1,946	555	1,711	47.0	63.8	281.7	79.1
Missouri	1,999	3,879	8,806	779	2,726	904	2,712	55.1	106.9	256.5	79.3
North Dakota	306	195	1,269	338	338	160	120	44.9	28.6	190.9	50.6
South Dakota	425	253	1,297	424	377	94	171	61.3	36.5	199.5	57.7
Nebraska	854	552	2,988	751	932	336	573	62.0	40.1	225.8	70.2
Kansas	1,173	1,246	3,402	767	1,734	441	979	62.4	66.2	190.1	96.7
South Atlantic	**7,276**	**8,226**	**28,637**	**2,444**	**17,301**	**4,241**	**6,875**	**46.1**	**52.1**	**198.1**	**118.9**
Delaware	64	101	518	50	318	153	277	26.8	42.4	226.9	138.6
Maryland	737	799	4,719	773	1,866	912	1,368	45.2	49.0	316.8	124.6
Dist. of Col	118	157	3,931	-------	473	380	313	24.2	32.2	898.4	100.5
Virginia	1,373	1,405	5,129	644	2,466	542	1,211	56.7	58.0	216.1	103.4
West Virginia	791	814	2,134	359	1,972	481	702	45.7	47.1	139.8	128.2
North Carolina	1,334	1,318	3,692	308	1,738	544	1,474	42.1	41.6	139.3	65.1
South Carolina	846	1,028	2,414	123	1,255	477	451	48.7	59.1	139.8	72.3
Georgia	1,288	1,788	4,150	47	5,622	403	372	44.3	61.5	139.7	188.4
Florida	725	816	1,950	140	1,591	349	207	49.4	55.6	190.4	153.7
East South Central	**4,619**	**6,053**	**13,450**	**621**	**9,849**	**1,465**	**4,097**	**46.7**	**61.2**	**149.1**	**108.9**
Kentucky	1,316	1,977	4,708	531	2,484	618	1,457	50.3	75.6	192.2	101.1
Tennessee	1,426	1,540	3,407	15	1,986	272	1,477	54.5	58.9	143.3	83.3
Alabama	1,048	1,415	2,718	-------	3,571	575	768	39.6	53.5	113.1	148.0
Mississippi	829	1,121	2,617	75	1,808	(3)	395	41.2	55.8	146.2	101.0
West South Central	**5,700**	**6,126**	**14,036**	**739**	**9,344**	**1,570**	**2,075**	**46.8**	**50.3**	**140.7**	**87.4**
Arkansas	918	1,101	2,121	7	1,555	205	578	49.5	59.4	118.0	86.0
Louisiana	1,062	1,252	3,322	170	1,940	134	174	50.5	59.6	181.0	105.3
Oklahoma	1,372	1,167	2,895	330	1,957	293	250	57.3	48.7	136.3	91.3
Texas	2,348	2,606	6,598	232	3,892	938	1,073	40.3	44.7	135.7	79.4
Mountain	**1,777**	**2,363**	**6,471**	**731**	**3,441**	**1,144**	**1,778**	**48.0**	**63.8**	**184.0**	**96.8**
Montana	305	235	1,438	91	405	182	324	56.7	43.7	242.3	67.2
Idaho	136	156	609	253	337	271	193	30.6	35.1	132.6	72.5
Wyoming	60	53	426	128	358	59	62	26.6	23.5	205.9	171.0
Colorado	532	751	2,147	259	1,184	483	667	51.4	72.5	220.0	120.4
New Mexico	263	607	392	-------	262	42	(4)	62.1	143.4	106.3	70.7
Arizona	174	259	554	-------	422	92	206	39.9	59.5	150.7	112.8
Utah	277	238	700	-------	264	(3)	188	54.5	46.9	149.3	55.8
Nevada	30	64	205	-------	209	15	138	32.9	70.3	264.8	270.0
Pacific	**3,396**	**3,885**	**18,476**	**3,147**	**7,043**	**1,387**	**6,469**	**41.4**	**47.4**	**312.1**	**117.5**
Washington	746	792	3,815	803	1,358	334	769	47.7	50.7	270.2	95.4
Oregon	549	496	2,666	675	577	193	580	57.6	52.0	328.4	70.6
California	2,101	2,597	11,995	1,669	5,108	860	5,120	37.0	45.7	324.4	136.2

[1] Total includes 4,664 prisoners in Federal prisons.
[2] In special institutions.
[3] Not reported.
[4] No almshouses maintained.

Source: Bureau of the Census, Department of Commerce.

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GENERAL NOTE.—The figures contained in this section can not be taken as an absolute index of conditions. The provisions for the care of these classes are so divergent in different States, and in the same State at different times, that the enumeration of persons in certain institutions may be far from reflecting the true differences or changes in the relative number of such persons in the population at large. Moreover, the methods of enumeration have been changed from time to time. The difficulty of formulating an adequate definition, the large element of personal judgment of the enumerator, and reluctance on the part of individuals to admit defects, all affect the accuracy of the data

No. 50.—DEAF-MUTE POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890 [1]	1900 [2]	1910 [3]	1920 [4]	1930 [3]	1890	1900	1910	1920	1930
United States	**40,593**	**24,369**	**44,708**	**44,885**	**57,084**	**64.8**	**32.1**	**48.6**	**42.5**	**46.5**
New England	3,389	1,279	2,373	3,093	3,607	72.1	22.9	36.2	41.8	44.2
Middle Atlantic	7,967	3,974	8,823	8,361	11,396	62.7	25.7	45.7	37.6	43.4
East North Central	9,837	5,634	9,810	10,770	12,168	73.0	35.2	53.8	50.2	48.1
West North Central	6,214	4,082	6,211	5,812	7,145	69.6	39.4	53.4	46.3	53.7
South Atlantic	5,597	3,673	6,260	5,946	7,276	63.2	35.2	51.3	42.5	46.1
East South Central	3,831	2,695	4,453	3,745	4,619	59.6	35.7	53.0	42.1	46.7
West South Central	2,478	2,100	4,298	3,902	5,700	52.3	32.1	48.9	38.1	46.8
Mountain	508	370	1,027	1,211	1,777	41.8	22.1	39.0	36.3	48.0
Pacific	771	562	1,448	2,045	3,396	40.8	23.3	34.5	36.7	41.4

[1] Deaf persons unable to speak at all.
[2] Deaf persons unable to speak at all, for whom special schedules were returned.
[3] Persons reported as deaf and dumb by the population enumerators.
[4] Deaf-mutes reported by census enumerators and by schools, institutions, and organizations for the deaf.

Source: Bureau of the Census, Department of Commerce.

No. 51.—DEAF-MUTES BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumerated	By sex		By color or race				
		Male	Female	White	Negro	Mexican	Indian	Other races
United States	**57,084**	**29,249**	**27,835**	**52,165**	**4,191**	**410**	**283**	**35**
New England	3,607	1,738	1,869	3,585	18	---	2	2
Middle Atlantic	11,396	5,677	5,719	11,182	196	1	16	1
East North Central	12,168	6,237	5,931	11,885	260	6	17	---
West North Central	7,145	3,767	3,378	6,954	132	4	55	---
South Atlantic	7,276	3,749	3,527	5,437	1,829	---	9	1
East South Central	4,619	2,432	2,187	3,643	976	---	---	---
West South Central	5,700	2,937	2,763	4,711	749	184	56	---
Mountain	1,777	953	824	1,538	11	122	104	2
Pacific	3,396	1,759	1,637	3,230	20	93	24	29

Division	By age at enumeration								
	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–44 years	45–64 years	65 years and over	Unknown
United States	**919**	**3,950**	**6,262**	**5,669**	**4,705**	**18,782**	**12,335**	**6,386**	**76**
New England	53	211	267	240	263	960	912	699	2
Middle Atlantic	140	889	1,466	1,309	781	3,057	2,395	1,347	12
East North Central	192	655	846	795	915	3,868	3,267	1,602	28
West North Central	98	435	739	661	532	2,014	1,765	887	14
South Atlantic	146	607	924	809	795	2,220	1,249	521	5
East South Central	92	368	631	584	473	1,329	815	324	3
West South Central	101	415	798	751	537	1,849	859	381	9
Mountain	51	142	202	148	171	524	347	191	1
Pacific	46	228	389	372	238	961	726	434	2

Source: Bureau of the Census, Department of Commerce.

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No. 52.—BLIND POPULATION ENUMERATED: 1890 TO 1930

Division	Number on date of enumeration					Ratio per 100,000 population				
	1890	1900[1]	1910	1920[2]	1930	1890	1900	1910	1920	1930
United States	**50,568**	**64,763**	**57,272**	**52,567**	**63,489**	**80.8**	**85.2**	**62.3**	**49.7**	**51.7**
New England	4,367	4,846	4,090	4,699	3,952	92.9	86.7	62.4	63.5	48.4
Middle Atlantic	9,154	10,931	10,001	9,374	10,013	72.1	70.7	51.8	42.1	38.1
East North Central	11,229	14,666	11,731	12,234	14,120	83.4	91.7	64.3	57.0	55.8
West North Central	6,319	8,714	6,679	6,111	8,751	71.1	84.2	57.4	48.7	65.8
South Atlantic	7,867	9,159	8,279	6,694	8,226	88.8	87.7	67.9	47.8	52.1
East South Central	6,190	8,221	7,019	4,935	6,053	96.3	108.9	83.5	55.5	61.2
West South Central	3,640	5,264	5,621	4,258	6,126	80.1	80.6	64.0	41.6	50.3
Mountain	762	1,307	1,787	1,906	2,363	65.9	78.0	67.9	57.1	63.8
Pacific	1,040	1,655	2,065	2,356	3,885	55.6	68.5	49.3	42.3	47.4

[1] Figures relate only to those for whom special schedules were returned.
[2] Blind reported by census enumerators, and by schools for the blind, and other agencies.
Source: Bureau of the Census, Department of Commerce.

No. 53.—BLIND POPULATION BY SEX, COLOR OR RACE, AND AGE, 1930

Division	Total number enumerated	By sex		By color or race				
		Male	Female	White	Negro	Mexican	Indian	Other races
United States	**63,489**	**36,529**	**26,960**	**52,861**	**9,128**	**784**	**681**	**35**
New England	3,952	2,099	1,853	3,864	81	----	6	1
Middle Atlantic	10,013	5,685	4,328	9,502	499	1	9	2
East North Central	14,120	8,089	6,031	13,311	768	6	35	----
West North Central	8,751	5,014	3,737	8,057	570	12	111	1
South Atlantic	8,226	4,834	3,392	4,900	3,322	----	4	----
East South Central	6,053	3,482	2,571	3,895	2,154	----	4	----
West South Central	6,126	3,545	2,581	4,067	1,595	362	98	4
Mountain	2,363	1,427	936	1,786	34	245	294	4
Pacific	3,885	2,354	1,531	3,479	105	158	120	23

Division	By age at enumeration								
	Under 5 years	5–9 years	10–14 years	15–19 years	20–24 years	25–44 years	45–64 years	65 years and over	Unknown
United States	**504**	**1,113**	**1,814**	**2,039**	**1,965**	**10,058**	**17,814**	**28,113**	**69**
New England	34	44	77	98	114	553	1,140	1,890	2
Middle Atlantic	105	184	326	326	310	1,586	3,007	4,162	7
East North Central	99	161	246	279	321	2,081	4,027	6,892	14
West North Central	43	163	269	292	218	1,140	2,314	4,303	9
South Atlantic	82	194	309	353	363	1,706	2,356	2,856	7
East South Central	53	117	159	200	238	1,062	1,657	2,560	7
West South Central	55	114	186	234	219	1,082	1,667	2,560	9
Mountain	16	68	77	93	68	328	583	1,129	1
Pacific	17	68	165	164	114	520	1,063	1,761	13

Source: Bureau of the Census, Department of Commerce.

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No. 54.—PAUPERS ENUMERATED IN ALMSHOUSES: 1880 TO 1923

NOTE.—Data as to number admitted to almshouses during 1922, by sex, race, and nativity, are shown in Statistical Abstract, 1931, Table 60. No data collected since Jan. 1, 1923

Division	Number on date of enumeration [1]					Ratio per 100,000 of population				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
United States	**66,203**	**73,044**	**81,764**	**84,198**	**78,090**	**132.0**	**116.6**	**100.0**	**91.5**	**71.5**
New England	9,835	9,500	11,495	11,886	9,529	245.2	202.1	193.5	181.4	125.1
Middle Atlantic	24,098	21,643	21,783	23,772	18,564	229.6	170.4	129.2	123.1	80.6
East North Central	16,474	20,279	21,127	21,358	21,405	147.0	150.5	125.7	117.0	96.0
West North Central	3,337	5,336	6,618	6,366	7,298	54.2	60.0	61.2	54.7	57.1
South Atlantic	6,975	8,100	8,298	7,706	6,875	91.8	91.4	74.9	63.2	47.6
East South Central	3,361	4,240	4,768	4,266	4,097	60.2	66.0	60.7	50.7	45.4
West South Central	315	809	1,689	1,630	2,075	9.4	17.8	23.0	18.6	19.5
Mountain	152	367	1,283	1,652	1,778	23.3	31.7	63.4	62.7	50.6
Pacific	1,656	2,770	4,703	5,562	6,469	148.6	148.0	153.6	132.7	109.3

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.

No. 55.—PAUPERS ENUMERATED IN ALMSHOUSES: BY AGE GROUPS

Age group	Number enumerated					Per cent distribution				
	1880	1890	1904	1910	1923	1880	1890	1904	1910	1923
All ages	**66,203**	**73,044**	**81,764**	**84,198**	**78,090**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 15 years	8,885	5,627	2,755	2,370	1,896	13.4	7.7	3.4	2.8	2.4
15 to 24 years	4,996	4,382	3,240	2,514	1,659	7.5	6.0	4.0	3.0	2.1
25 to 44 years	17,609	17,077	13,573	11,994	7,427	26.6	23.4	16.6	14.2	9.5
45 to 59 years	12,807	15,037	18,810	20,613	15,104	19.3	20.6	23.0	24.5	19.3
60 to 74 years	14,307	18,865	26,803	30,189	32,371	21.6	25.8	32.8	35.9	41.5
75 years and over	7,599	10,714	15,034	15,843	18,763	11.5	14.7	18.4	18.8	24.0
Age unknown	-------	1,342	1,549	675	870	-------	1.8	1.9	.8	1.1

No. 56.—MENTAL PATIENTS, FEEBLE-MINDED, AND EPILEPTICS IN STATE INSTITUTIONS, AND PRISONERS IN STATE AND FEDERAL PRISONS AND REFORMATORIES: 1904 TO 1931

Year	State hospitals for mental disease [1]				State institutions for feeble-minded and epileptics				Prisons and reformatories [2]			
	First admissions		Patients present on a given date [3]		First admissions		Patients present on a given date [3]		Prisoners received from courts during the year		Prisoners present on a given date [4]	
	Number	Per 100,000 population [4]	Number	Per 100,000 population [5]	Number	Per 100,000 population [4]	Number	Per 100,000 population [5]	Number	Per 100,000 population [4]	Number	Per 100,000 population [5]
1904	-------	-------	129,222	158.0	-------	-------	-------	-------	[6] 27,740	33.6	[7] 57,070	69.1
1910	-------	-------	159,096	173.0	-------	-------	[8] 17,411	18.9	29,710	32.3	68,735	74.7
1922	50,286	45.8	222,406	204.0	7,467	6.8	43,579	40.0	-------	-------	-------	-------
1923	-------	-------	229,664	207.5	-------	-------	46,580	42.1	38,628	34.6	81,959	74.0
1926 [9]	52,793	46.2	246,486	217.2	8,171	7.0	55,201	47.9	48,108	42.2	91,669	80.6
1927 [9]	56,144	47.5	256,858	218.9	8,353	7.3	58,367	51.3	51,936	45.0	97,991	85.5
1928 [9]	59,417	49.6	264,511	222.2	9,405	8.2	60,412	52.3	55,746	47.5	109,346	92.2
1929 [9]	60,500	49.8	272,252	225.6	9,795	8.2	65,267	54.1	58,906	51.2	116,390	102.8
1930 [9]	62,738	51.1	280,251	229.7	10,137	8.3	68,035	56.4	66,013	56.0	120,496	103.5
1931 [9]	-------	-------	291,077	236.1	-------	-------	72,283	59.3	-------	-------	127,495	108.4

[1] Includes 2 Federal hospitals—St. Elizabeths, Dist. of Col., and Asylum for Insane Indians, S. D.
[2] Includes Federal civil prisons and State penal institutions used entirely or chiefly for adult offenders convicted of felonies.
[3] June 30, 1904, and, in general, Jan. 1 other years, but data for a few institutions relate to other dates.
[4] Based on enumerated population Apr. 15, 1910, and estimated population July 1 of other years.
[5] Based on enumerated population Apr. 15, 1910, and estimated population Jan. 1 of other years.
[6] Figure represents "major offenders," but is substantially comparable to other figures here given.
[7] Exclusive of prisoners committed for nonpayment of fine.
[8] Does not include 7 special State institutions for epileptics, included for later enumerations.
[9] Figures exclude institutions not reporting as follows: 1 institution for the feeble-minded in 1926, 1927, 1929, and 1930 and 2 in 1928; 2 State hospitals in 1926 and 1 in 1930; 1 State prison in 1926, 2 in 1927, 3 in 1928, 1929, and 1930, and 4 in 1931.

Source of Tables 54, 55, and 56: Bureau of the Census, Department of Commerce.

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No. 57.—STATE HOSPITALS FOR MENTAL DISEASE: FIRST ADMISSIONS DURING 1922, 1929, AND 1930, BY PSYCHOSIS[1]

Psychosis	Number			Per 100,000 population		
	1922[2]	1929	1930	1922[2]	1929	1930
Grand total	52,472	60,500	62,738	47.8	49.8	51.1
With psychosis, total	49,116	55,950	57,534	44.7	46.0	46.8
Traumatic	136	282	347	.1	.2	.3
Senile	5,101	6,108	5,857	4.6	5.0	4.8
With cerebral arteriosclerosis	3,045	5,721	6,437	2.8	4.7	5.2
General paralysis	4,977	4,963	5,026	4.5	4.1	4.1
With cerebral syphilis	589	1,154	1,139	.5	.9	.9
With Huntington's chorea	86	108	105	.1	.1	.1
With brain tumor	38	44	51	(3)	(3)	(3)
With other brain or nervous diseases	456	945	948	.4	.8	.8
Alcoholic	1,819	2,770	2,669	1.7	2.3	2.2
Due to drugs and other exogenous toxins	355	367	489	.3	.3	.4
With pellagra	339	1,060	942	.3	.9	.8
With other somatic diseases	1,285	1,759	1,598	1.2	1.4	1.3
Manic-depressive	8,095	8,780	8,657	7.4	7.2	7.0
Involution melancholia	1,083	1,150	1,243	1.0	.9	1.0
Dementia præcox (schizophrenia)	11,887	12,187	13,047	10.8	10.0	10.6
Paranoia or paranoid conditions	1,266	971	1,040	1.2	.8	.8
Epileptic psychoses	1,513	1,539	1,520	1.4	1.3	1.2
Psychoneuroses and neuroses	1,063	1,081	1,141	1.0	.9	.9
With psychopathic personality	764	669	725	.7	.6	.6
With mental deficiency	1,615	2,143	2,201	1.5	1.8	1.8
Undiagnosed psychoses	3,142	2,149	2,352	2.9	1.8	1.9
Psychoses not reported	462			.4		
Without psychosis, total	3,356	4,550	5,204	3.1	3.7	4.2
Epilepsy	(4)	184	240		.2	.2
Alcoholism	(4)	1,193	1,327		1.0	1.1
Drug addiction	(4)	513	584		.4	.5
Psychopathic personality	(4)	370	431		.3	.4
Mental deficiency	(4)	961	1,083		.8	.9
Others without psychosis	(4)	1,329	1,539		1.1	1.3

[1] See footnote 1, Table 56.
[2] Figures include 2,186 admissions to three State psychopathic hospitals in Iowa, Massachusetts, and Michigan, which were not separately tabulated by psychosis.
[3] Less than one-tenth of 1 per 100,000. [4] Separate figures not available.

No. 58.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: 1880 TO 1923

Division	Number on date of enumeration[1]					Ratio per 100,000 population				
	1880[2]	1890[2]	1904	1919	1923	1880	1890	1904	1910	1923
United States	40,942	74,028	150,151	187,791	[3] 267,617	81.6	118.2	183.6	204.2	245.0
New England	5,294	7,693	14,855	19,580	26,876	132.0	163.7	250.1	298.8	352.7
Middle Atlantic	12,710	21,435	42,562	52,380	70,535	121.1	168.8	252.5	271.2	306.4
East North Central	8,966	15,674	33,039	41,246	56,881	80.0	116.3	196.6	226.0	255.0
West North Central	3,493	8,641	18,595	22,683	31,355	56.7	97.2	171.9	194.9	245.4
South Atlantic	4,660	9,007	16,514	19,952	28,637	61.3	101.7	149.1	163.6	198.1
East South Central	2,549	4,493	7,867	9,759	13,450	45.6	69.9	100.1	116.0	149.1
West South Central	800	2,043	6,010	8,413	14,936	24.0	45.0	81.8	95.8	140.7
Mountain	107	858	2,529	3,574	6,471	16.4	74.2	125.0	135.7	184.0
Pacific	2,363	4,184	8,180	10,204	18,476	212.0	223.6	257.2	243.4	312.1

[1] June 1, 1880 and 1890; Jan. 1, 1904, 1910, and 1923.
[2] Total insane enumerated, including those not in hospitals, was 91,959 in 1880 and 106,485 in 1890.
[3] Includes patients of 1 State and 11 private hospitals for whom individual schedules were not received.

No. 59.—PATIENTS IN ALL HOSPITALS FOR MENTAL DISEASE: BY AGES

Age group	Number enumerated				Per cent distribution			
	1890	1904	1910	1923	1890	1904	1910	1923
All ages	74,028	150,151	187,791	265,829	100.0	100.0	100.0	100.0
Under 15 years	51	112	341	634	.1	.1	.2	.2
15 to 24 years	4,621	8,625	10,113	14,110	6.2	5.7	5.4	5.3
25 to 44 years	36,346	66,719	79,351	109,757	49.1	44.4	42.3	41.3
45 to 59 years	21,727	45,855	60,142	82,240	29.3	30.5	32.0	30.9
60 to 74 years	8,402	21,111	28,537	45,429	11.3	14.1	15.2	17.1
75 years and over	1,351	4,217	6,073	9,759	1.8	2.8	3.2	3.7
Age unknown	1,530	3,512	3,234	3,900	2.1	2.3	1.7	1.5

Source of Tables 57, 58, and 59: Bureau of the Census, Department of Commerce.

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No. 60.—PRISONERS IN ALL PENAL INSTITUTIONS: 1880 TO 1923

NOTE.—Additional data regarding prisoners in all penal institutions Jan. 1, 1923, and commitments during 1923, by sex, race, nativity and age, by class of institution, and by nature and length of sentence, are shown in Statistical Abstract 1931, Table 68 to 70. Data for all penal institutions have not been collected since 1923. For data regarding prisoners in State and Federal prisons and reformatories, 1926 to 1931 and earlier years, see Tables 56, 61, and 62.

Division	Number on date of enumeration [1]				Ratio per 100,000 of population			
	1880	1904	1910	1923	1880	1904	1910	1923
United States	49,527	[2] 81,772	[2] 99,199	[2] 104,067	98.7	99.0	107.9	94.6
New England	4,770	8,599	9,698	5,746	118.9	143.6	148.0	75.0
Middle Atlantic	13,815	18,790	22,165	20,150	131.6	110.2	114.8	87.0
East North Central	7,789	12,042	13,476	19,281	69.3	71.2	73.8	85.8
West North Central	3,768	7,828	8,216	9,823	61.2	71.9	70.6	76.6
South Atlantic	6,895	10,740	14,915	15,703	90.8	96.2	122.3	108.0
East South Central	5,197	7,524	10,384	9,648	93.1	95.2	123.5	105.7
West South Central	4,192	7,090	8,419	8,935	125.7	95.0	95.8	83.6
Mountain	743	2,954	4,171	3,322	113.8	142.6	158.4	93.5
Pacific	2,378	4,564	5,851	6,795	213.4	144.8	139.6	113.4

[1] June 1, 1880; June 30, 1904; Jan. 1, 1910 and 1923. Includes only sentenced prisoners, exclusive of those imprisoned for nonpayment of fine (5,552 for 1923).
[2] Including prisoners in Federal prisons, as follows: 1,641 in 1904; 1,904 in 1910; and 4,664 in 1923.

No. 61.—STATE AND FEDERAL PRISONS AND REFORMATORIES: PRISONERS RECEIVED FROM COURTS DURING THE YEAR, BY PRINCIPAL OFFENSES

NOTE.—For distribution of prisoners in all penal institutions, 1910 and 1923, by principal offenses, see Statistical Abstract, 1929, Table 78

Sex and offense	Number				Ratio per 100,000 population [1]			
	1910	1923	1929 [2]	1930 [2]	1910	1923	1929 [3]	1930 [3]
Male, total	26,222	35,216	55,584	62,957	55.5	61.9	95.3	105.5
Homicide	2,535	3,220	3,059	3,300	5.4	5.7	5.2	5.5
Rape	1,077	1,497	1,858	1,876	2.3	2.6	3.2	3.1
Robbery	1,216	2,923	5,254	6,908	2.6	5.1	9.0	11.6
Assault	2,610	1,830	2,436	2,754	5.5	3.2	4.2	4.6
Burglary	6,004	6,295	9,794	12,271	12.7	11.1	16.8	20.6
Forgery	1,611	2,568	3,636	4,063	3.4	4.5	6.2	6.8
Larceny and related offenses [4]	7,709	8,436	13,787	15,628	16.3	14.8	23.6	26.2
Sex offenses, except rape	796	1,110	1,312	1,081	1.7	2.0	2.3	1.8
Violating liquor laws	306	2,533	6,312	7,534	.6	4.5	10.8	12.6
Violating drug laws	22	2,015	2,545	1,495	[5]	3.5	4.4	2.5
Carrying weapons	146	242	378	427	.3	.4	.6	.7
Nonsupport or neglect of family	115	232	723	820	.2	.4	1.2	1.4
Other	2,015	2,167	4,294	4,481	4.2	3.9	7.4	7.5
Not reported	60	148	196	319	.1	.3	.3	.5
Female, total	1,510	2,369	3,322	3,056	3.4	4.3	5.9	5.3
Homicide	118	223	240	247	.3	.4	.4	.4
Robbery	20	38	76	80	[5]	.1	.1	.1
Assault	103	59	138	132	.2	.1	.2	.2
Burglary	47	42	94	97	.1	.1	.2	.2
Forgery	15	81	127	157	[5]	.1	.2	.3
Larceny and related offenses [4]	388	341	379	412	.9	.6	.7	.7
Sex offenses	340	543	664	611	.8	1.0	1.2	1.1
Violating liquor laws	19	186	416	330	[5]	.3	.7	.6
Violating drug laws	1	166	276	189	[5]	.3	.5	.3
Carrying weapons	4	2	2	5	[5]	[5]	[5]	[5]
Nonsupport or neglect of family	20	50	123	67	[5]	.1	.2	.1
Other	435	620	772	714	1.0	1.1	1.3	1.2
Not reported	-------	18	15	15	-------	[5]	[5]	[5]

[1] Based upon enumerated population Apr. 15, 1910, and estimated population July 1, 1923, 1929, and 1930.
[2] These figures represent the institutions which furnished detailed information.
[3] Based upon estimated population proportional to prisoners of each sex reported in detail.
[4] Includes larceny, embezzlement, fraud, and having stolen property.
[5] Less than one-tenth of 1 per 100,000.

Source of Tables 60 and 61: Bureau of the Census, Department of Commerce.

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No. 62.—STATE AND FEDERAL PRISONS AND REFORMATORIES: ADMISSIONS DURING THE YEAR AND NUMBER PRESENT ON JANUARY 1, BY STATES

Division or State	Prisoners received from courts during the year							Prisoners present on Jan. 1			
	Number					Per 100,000 population					
	1910	1923	1928	1929	1930	1910	1930	1910	1923	1930	1931
United States	29,710	38,688	[1]55,746	[1]58,906	[1]66,013	32	56	68,735	81,959	[2]120,496	[2]127,495
Federal prisons and reformatories	987	3,703	5,570	9,734	9,800	1	8	1,904	4,664	12,964	12,181
State prisons and reformatories	28,723	34,985	50,176	49,172	56,213	32	48	66,831	77,295	107,532	115,314
New England	([3])	1,847	([3])	2,119	2,542			3,510	3,638	4,669	5,202
Maine	69	202	207	235	216	9	27	201	379	433	429
New Hampshire	43	35	52	62	107	10	23	147	138	124	185
Vermont	([4])	277	[5]279	338	389		108	170	316	412	456
Massachusetts	1,114	693	899	776	972	33	23	1,966	1,448	2,124	2,358
Rhode Island [6]	658	294	236	165	179	121	26	421	466	366	411
Connecticut	186	346	491	543	679	17	42	605	891	1,210	1,363
Middle Atlantic	5,147	4,747	6,272	6,564	7,507			12,422	12,526	16,314	17,879
New York	3,188	2,666	2,742	3,005	3,349	35	27	7,073	6,316	8,135	8,856
New Jersey	814	825	1,405	1,500	1,761	32	43	1,839	1,912	2,865	3,187
Pennsylvania	1,145	1,256	2,125	2,059	2,397	15	25	3,510	4,298	5,314	5,836
East North Central	3,815	7,537	11,022	12,007	13,519			9,981	15,751	29,775	32,883
Ohio	1,115	2,264	3,509	3,544	3,712	23	56	2,561	4,234	8,804	9,245
Indiana	770	1,358	1,481	1,606	1,942	29	60	2,362	2,302	3,986	4,323
Illinois	844	1,387	1,941	2,509	2,658	15	35	2,509	4,416	7,949	9,123
Michigan	559	1,996	3,233	3,301	3,949	20	81	1,596	3,641	7,103	7,809
Wisconsin	527	532	858	1,047	1,258	23	43	953	1,158	1,933	2,383
West North Central	2,567	4,024	5,852	5,850	6,512			6,526	8,566	13,491	14,206
Minnesota	444	659	890	915	864	21	34	1,092	1,634	2,360	2,242
Iowa	333	753	778	756	976	15	40	963	1,794	2,468	2,759
Missouri	839	912	1,794	1,710	1,950	26	54	2,307	2,205	3,971	4,311
North Dakota	102	136	222	225	233	18	34	212	244	330	369
South Dakota	152	185	226	309	308	26	44	207	326	462	466
Nebraska	197	378	583	557	636	17	46	481	789	1,124	1,201
Kansas	500	1,001	1,359	1,378	1,545	30	82	1,264	1,574	2,776	2,858
South Atlantic [7]	4,388	4,816	8,120	([3])	([3])			10,384	11,751	([3])	([3])
Maryland [8]	1,700	1,390	2,413	2,297	2,899	131	177	1,675	1,483	2,281	2,575
Virginia	662	608	1,171	1,204	1,336	32	55	2,145	1,960	2,664	2,896
West Virginia	425	772	988	1,061	1,171	35	68	1,071	1,628	2,174	2,344
North Carolina	192	368	959	1,201	1,362	9	43	710	1,046	2,232	2,327
South Carolina	237	351	289	510	554	16	32	848	528	686	799
Georgia	744	876	1,198	([4])	([4])	29		2,638	3,738	([4])	([4])
Florida	428	451	1,102	868	1,042	57	70	1,297	1,368	1,592	1,552
East South Central	3,916	2,961	([3])	([3])	([3])			8,912	8,498	([3])	([3])
Kentucky	855	827	1,853	1,870	2,260	37	86	2,028	2,079	3,143	3,448
Tennessee	652	599	1,083	1,206	1,459	30	56	1,813	1,630	2,676	2,952
Alabama	1,785	1,057	1,778	([4])	([4])	84		3,381	3,109	([4])	([4])
Mississippi	624	478	([4])	([4])	991	35	49	1,690	1,620	([4])	([4])
West South Central	3,969	4,730	6,267	6,442	7,080			7,496	8,379	12,029	12,472
Arkansas	570	957	1,104	980	1,266	36	68	794	1,410	1,153	1,355
Louisiana	750	559	853	895	1,070	45	51	1,999	1,593	2,130	2,435
Oklahoma	818	1,711	1,967	2,047	2,137	49	89	1,110	1,799	3,690	3,614
Texas	1,131	1,503	2,343	2,520	2,607	29	45	3,523	3,577	5,056	5,068
Mountain	1,812	1,681	([3])	2,448	([3])			3,206	2,933	4,177	([3])
Montana	297	243	278	443	398	79	74	691	331	668	721
Idaho	95	119	([4])	129	([4])	29		220	284	381	([4])
Wyoming	123	125	133	176	135	84	60	257	335	357	337
Colorado	596	562	843	803	872	75	84	851	1,015	1,250	1,342
New Mexico	193	164	212	278	280	59	66	313	239	489	521
Arizona	279	207	319	296	369	137	84	405	355	509	539
Utah	149	186	164	201	223	40	44	270	200	278	314
Nevada	80	75	166	122	125	98	137	199	174	245	225
Pacific	1,739	2,582	3,650	3,525	3,577			4,464	5,253	9,629	9,780
Washington	510	750	896	1,055	1,053	45	67	1,249	1,010	1,741	1,774
Oregon	221	262	405	443	501	33	52	399	406	817	888
California	1,008	1,570	2,349	2,027	2,023	42	35	2,816	3,837	7,071	7,118

[1] Excluding 3 institutions not reported.
[2] Excluding 4 institutions not reported.
[3] Division total not shown as reports were not received for all prisons in the division.
[4] No report received.
[5] Data for the State prison and house of correction for men only.
[6] Data for 1910 and 1923 include the State workhouse and house of correction; data for later years include the State reformatory for women, established since 1923.
[7] State prisoners in Delaware in Newscastle County Workhouse excluded from this census; those for the District of Columbia in Lorton Reformatory, Va., also excluded.
[8] Includes data for the Maryland house of correction and the State penitentiary.
Source: Bureau of the Census, Department of Commerce.

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3. VITAL STATISTICS

GENERAL NOTE.—Vital statistics are registered by the States in the first instance, but duplicates of the original certificates of individual births and deaths are received and tabulated by the Census Bureau. Owing to the gradual expansion of the "registration" areas (see Tables 63, 69, and 78), the number of births and deaths for the areas as a whole are not strictly comparable but, in most cases, the rates are affected very slightly.

General tables cover the registration area in continental United States. Hawaii and the Virgin Islands are shown separately in certain tables. Stillbirths, shown in Table 73, are excluded from data for both births and deaths.

Rates for the years 1920 to 1929 are revised data based on recent population estimates revised to conform with the 1930 census returns.

No. 63.—DEATHS: NUMBER AND RATES IN THE DEATH REGISTRATION AREA, 1880 TO 1930

NOTE.—See general note above

Year	Registration area			All deaths		Deaths under 1 year of age		Deaths under 5 years of age	
	Population	Percent of U. S. total population	Percent of U. S. total area	Number	Rate per 1,000 population	Number	Percent of all deaths	Number	Percent of all deaths
1880[1]	8,538,366	17.0	0.6	169,453	19.8	48,041	28.3	74,810	44.0
1890[1]	19,659,440	31.2	3.0	386,212	19.6	86,790	22.5	133,778	34.6
1900	30,765,618	40.5	7.1	539,939	17.6	111,687	20.7	164,137	30.4
1901	31,370,952	40.3	7.2	518,207	16.5	97,477	18.8	141,678	27.3
1902	32,029,815	40.4	7.2	508,640	15.9	98,575	19.4	143,515	28.2
1903	32,701,083	40.4	7.2	524,415	16.0	96,857	18.5	139,940	26.7
1904	33,345,163	40.4	7.2	551,354	16.5	102,880	18.7	145,902	26.5
1905	34,052,201	40.4	7.2	545,533	16.0	105,553	19.3	147,384	27.0
1906	41,983,419	48.9	20.3	658,105	15.7	133,105	20.2	186,978	28.4
1907	43,016,990	49.2	20.3	687,034	16.0	131,110	19.1	183,774	26.7
1908	46,789,913	52.5	24.4	691,574	14.8	136,432	19.7	189,865	27.5
1909	50,870,518	56.1	25.7	732,538	14.4	140,057	19.1	196,534	26.8
1910	53,831,742	58.3	33.6	805,412	15.0	154,373	19.2	217,319	27.0
1911	59,183,071	63.2	37.2	839,284	14.2	149,322	17.8	209,482	25.0
1912	60,359,974	63.5	37.2	838,251	13.9	147,455	17.6	204,639	24.4
1913	63,200,625	65.5	38.6	890,848	14.1	159,435	17.9	225,129	25.3
1914	65,813,315	67.2	41.3	898,059	13.6	155,075	17.3	214,120	23.8
1915	67,095,681	67.5	41.3	909,155	13.6	148,561	16.3	208,223	22.4
1916	71,349,162	70.8	44.0	1,001,921	14.0	164,660	16.4	234,061	23.4
1917	74,984,498	73.4	45.4	1,068,932	14.3	171,024	16.0	243,708	22.8
1918	81,333,675	78.5	52.0	1,471,367	18.1	193,855	13.2	306,143	20.8
1919	85,166,043	81.1	55.5	1,096,436	12.9	161,621	14.7	229,813	21.0
1920	87,632,592	82.3	58.0	1,142,558	13.0	174,710	15.3	248,432	21.7
1921	89,102,434	82.3	58.0	1,032,009	11.6	160,011	15.5	220,688	21.4
1922	93,866,240	85.4	66.1	1,101,863	11.7	158,560	14.4	218,201	19.8
1923	97,816,104	87.7	68.0	1,193,017	12.2	166,274	13.9	233,918	19.6
1924	100,082,062	88.4	70.3	1,173,990	11.7	161,404	13.7	220,122	18.7
1925	102,951,999	89.6	70.9	1,219,019	11.8	161,961	13.3	218,294	17.9
1926	104,938,301	90.1	74.7	1,285,927	12.3	163,343	12.7	226,824	17.6
1927	108,177,568	91.5	76.5	1,236,949	11.4	147,134	11.9	199,507	16.1
1928	114,258,516	95.3	80.8	1,378,675	12.1	155,858	11.3	216,090	15.7
1929	116,317,515	95.7	88.6	1,386,363	11.9	148,886	10.7	206,028	14.9
1930	118,560,800	96.2	91.2	1,343,356	11.3	145,374	10.8	195,200	14.5

[1] Census year ended May 31.

Source: Bureau of the Census, Department of Commerce.

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No. 64.—DEATHS: RATES PER 1,000 POPULATION, BY SEX AND BY AGE GROUPS

NOTE.—It is necessary for accurate comparison of different years to consider only States having registration throughout the period compared. See also general note p. 74

Sex and age group	Registration States as of 1900						Registration States as of 1920					
	1901–1905, Average	1911–1915, Average	1921–1925, Average	1928	1929	1930	1920	1925	1927	1928	1929	1930
Both sexes, all ages	15.8	14.6	12.3	12.3	12.3	11.5	13.0	11.9	11.5	12.2	12.0	11.4
Under 1 year	138.2	123.0	89.2	75.7	71.5	68.0	96.9	83.9	74.6	75.8	71.6	69.2
1 to 4 years	15.8	11.8	7.7	6.4	5.9	4.8	9.8	6.9	6.2	6.7	6.3	5.4
Under 5 years	41.7	34.6	23.3	19.6	18.3	16.8	26.7	21.7	19.3	19.9	18.8	17.5
5 to 9 years	4.1	3.1	2.6	2.3	2.2	1.9	3.0	2.2	2.1	2.2	2.1	1.9
10 to 14 years	2.7	2.1	1.9	1.7	1.6	1.4	2.3	1.8	1.7	1.7	1.6	1.5
15 to 19 years	4.4	3.5	2.9	2.7	2.7	2.3	4.0	3.2	2.9	3.1	2.9	2.7
20 to 24 years	6.1	4.9	3.8	3.6	3.7	3.3	5.7	4.3	4.0	4.2	4.2	3.8
25 to 34 years	7.5	6.1	4.6	4.4	4.4	4.0	6.8	5.0	4.8	4.9	4.9	4.5
35 to 44 years	9.9	9.0	6.8	6.8	6.9	6.3	8.2	7.1	7.0	7.4	7.2	6.7
45 to 54 years	14.4	14.3	12.1	12.6	12.8	12.2	12.1	12.0	11.9	12.7	12.6	12.3
55 to 64 years	27.1	27.5	25.0	26.0	26.5	25.4	23.6	23.9	23.7	25.0	25.0	24.4
65 to 74 years	55.1	58.0	54.6	56.2	56.9	53.9	51.8	52.3	51.9	54.9	54.4	52.0
75 years and over	137.8	140.1	136.2	142.3	144.7	134.6	133.2	133.7	130.0	142.0	139.6	130.5
Males, all ages	16.6	15.5	12.9	13.0	13.1	12.3	13.4	12.6	12.3	13.1	12.9	12.4
Under 1 year	152.7	136.7	100.5	84.8	80.1	76.1	108.8	94.2	83.7	85.3	80.0	77.2
1 to 4 years	16.5	12.4	8.1	6.7	6.4	5.2	10.2	7.3	6.6	7.1	6.7	5.8
Under 5 years	45.3	37.8	25.8	21.5	20.3	18.6	29.3	23.9	21.3	22.0	20.7	19.4
5 to 9 years	4.2	3.3	2.9	2.6	2.4	2.1	3.1	2.4	2.4	2.4	2.3	2.1
10 to 14 years	2.8	2.2	2.1	1.9	1.9	1.6	2.4	2.0	1.9	1.9	1.8	1.7
15 to 19 years	4.4	3.7	3.1	2.9	2.9	2.5	4.2	3.2	3.0	3.2	3.1	2.9
20 to 24 years	6.2	5.3	3.8	3.7	3.9	3.4	5.4	4.3	4.0	4.3	4.3	4.0
25 to 34 years	7.8	6.5	4.6	4.6	4.7	4.2	6.5	5.1	4.9	5.1	5.1	4.8
35 to 44 years	10.6	10.1	7.3	7.6	7.7	7.1	8.3	7.6	7.5	8.0	7.9	7.4
45 to 54 years	15.6	15.9	13.0	14.2	14.5	13.9	12.5	13.0	13.1	14.1	14.1	13.8
55 to 64 years	29.1	30.1	26.9	29.0	29.6	28.4	24.6	25.9	26.1	27.5	27.8	27.1
65 to 74 years	58.2	61.7	57.7	60.4	61.5	58.3	53.8	56.2	56.1	59.3	58.9	56.6
75 years and over	142.9	144.6	138.7	147.2	149.3	139.3	135.5	137.6	135.1	147.1	144.2	135.7
Females, all ages	14.9	13.6	11.8	11.5	11.5	10.7	12.6	11.2	10.7	11.3	11.1	10.5
Under 1 year	123.3	109.0	77.5	66.3	62.6	59.7	84.7	73.3	65.2	66.0	62.9	60.9
1 to 4 years	15.2	11.3	7.2	6.1	5.5	4.5	9.4	6.5	5.8	6.3	6.0	5.0
Under 5 years	38.0	31.2	20.7	17.5	16.3	14.8	24.0	19.3	17.2	17.7	16.8	15.6
5 to 9 years	4.0	2.9	2.3	2.1	2.0	1.7	2.8	2.0	1.9	2.0	1.9	1.7
10 to 14 years	2.7	2.0	1.7	1.5	1.4	1.2	2.1	1.7	1.5	1.5	1.4	1.3
15 to 19 years	4.4	3.2	2.8	2.6	2.4	2.2	3.9	3.2	2.8	2.9	2.8	2.5
20 to 24 years	5.9	4.5	3.7	3.5	3.6	3.2	5.9	4.3	4.0	4.1	4.0	3.7
25 to 34 years	7.3	5.6	4.5	4.2	4.2	3.8	7.2	4.9	4.7	4.8	4.7	4.3
35 to 44 years	9.0	7.9	6.2	6.0	6.0	5.4	8.0	6.6	6.3	6.7	6.5	6.0
45 to 54 years	13.1	12.6	11.1	11.0	11.0	10.5	11.6	10.9	10.7	11.2	11.0	10.6
55 to 64 years	25.1	24.9	23.1	23.1	23.5	22.4	22.4	21.7	21.1	22.2	22.2	21.4
65 to 74 years	52.1	54.5	51.7	52.2	52.6	49.9	49.8	48.4	47.6	50.4	49.9	47.3
75 years and over	133.3	136.4	134.2	138.3	141.0	130.7	131.2	130.3	125.6	137.4	135.6	125.9

No. 65.—DEATHS: RATES PER 1,000 ESTIMATED POPULATION IN THE DEATH REGISTRATION AREA, DISTINGUISHING CITIES, AND RURAL AREA

NOTE.—See general note, p. 74

Year	Registration area			All registration cities	Rural part of registration area	Year	Registration area			All registration cities	Rural part of registration area
	Total	White	Colored				Total	White	Colored		
1913	14.1	13.7	21.7	15.3	12.7	1922	11.7	11.4	15.4	12.7	10.8
1914	13.6	13.2	21.7	14.8	12.3	1923	12.2	11.7	16.6	13.2	11.2
1915	13.6	13.1	22.0	14.6	12.3	1924	11.7	11.2	17.2	12.8	10.7
1916	14.0	13.6	19.8	15.2	12.9	1925	11.8	11.3	17.6	13.0	10.8
1917	14.3	13.7	21.4	15.5	13.0	1926	12.3	11.7	18.0	13.4	11.2
1918	18.1	17.4	26.0	20.0	16.3	1927	11.4	10.9	16.6	12.5	10.4
1919	12.9	12.4	18.0	13.9	11.9	1928	12.1	11.5	17.1	13.3	11.0
1920	13.0	12.6	17.9	14.2	11.9	1929	11.9	11.4	16.9	13.1	10.9
1921	11.6	11.2	15.7	12.4	10.8	1930	11.3	10.8	16.4	12.3	10.4

Source of Tables 64 and 65: Bureau of the Census, Department of Commerce.

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No. 66.—DEATHS: Number and Rate per 1,000 Population, by States

NOTE.—See general note, p. 74

Area	Number of deaths		Death rate per 1,000 estimated population							
	1929	1930	1920	1924	1925	1926	1927	1928	1929	1930
Total[1]	1,369,757	1,327,240	13.0	11.7	11.8	12.2	11.4	12.0	11.9	11.3
Alabama	32,439	30,422	(2)	(2)	11.6	11.7	10.5	12.3	12.4	11.5
White	*17,145*	*16,010*	(2)	(2)	*9.5*	*9.6*	*8.7*	*10.0*	*10.2*	*9.4*
Colored	*15,294*	*14,412*	(2)	(2)	*15.3*	*15.4*	*13.7*	*16.2*	*16.2*	*15.2*
Arizona	6,793	6,679	(2)	(2)	(2)	14.0	14.4	15.4	15.9	15.2
Arkansas	19,479	18,950	(2)	(2)	(2)	(2)	10.0	10.9	10.5	10.2
White	*12,869*	*12,485*	(2)	(2)	(2)	(2)	*8.8*	*9.7*	*9.4*	*9.1*
Colored	*6,610*	*6,465*	(2)	(2)	(2)	(2)	*13.4*	*14.3*	*13.8*	*13.5*
California	65,445	66,249	13.3	12.9	12.3	12.1	12.1	12.5	11.9	11.6
Colorado	12,874	13,207	14.5	12.8	12.7	12.3	13.0	13.8	12.5	12.7
Connecticut	18,282	17,287	13.6	11.5	11.8	12.0	10.8	11.4	11.5	10.7
Delaware	3,132	3,256	14.6	13.1	13.5	14.8	12.8	13.6	13.2	13.6
Florida	18,194	18,229	12.8	13.4	13.6	15.6	13.6	13.7	12.7	12.3
White	*10,911*	*11,047*	*11.5*	*11.4*	*11.9*	*13.7*	*11.7*	*11.8*	*10.8*	*10.6*
Colored	*7,283*	*7,182*	*15.3*	*17.5*	*17.4*	*19.9*	*17.9*	*18.2*	*17.1*	*16.5*
Georgia	35,344	35,183	(2)	12.0	(2)	(2)	(2)	12.4	12.2	12.1
White	*18,257*	*17,993*	(2)	*10.1*	(2)	(2)	(2)	*10.3*	*10.0*	*9.8*
Colored	*17,087*	*17,190*	(2)	*14.8*	(2)	(2)	(2)	*15.9*	*15.8*	*16.1*
Idaho	4,075	4,171	(2)	8.7	7.8	8.8	8.6	9.4	9.2	9.4
Illinois	87,788	83,591	12.6	11.0	11.5	11.8	11.3	12.1	11.6	10.9
Indiana	40,977	39,196	13.4	12.1	12.5	12.8	11.9	12.7	12.7	12.1
Iowa	25,681	26,228	(2)	9.8	10.0	10.4	10.0	10.3	10.4	10.6
Kansas	19,392	19,505	11.4	9.8	10.2	10.4	10.0	11.2	10.4	10.4
Kentucky	31,109	29,562	11.8	10.7	11.3	11.8	10.6	11.8	12.0	11.3
White	*26,276*	*24,812*	*11.0*	*9.8*	*10.4*	*10.9*	*9.8*	*10.9*	*11.1*	*10.4*
Colored	*4,833*	*4,750*	*19.4*	*19.4*	*20.2*	*20.9*	*19.3*	*20.3*	*21.3*	*21.0*
Louisiana	24,723	24,707	11.9	12.7	12.8	12.2	11.8	12.2	11.9	11.7
White	*12,613*	*12,625*	*9.8*	*10.3*	*10.0*	*9.9*	*9.4*	*10.0*	*9.7*	*9.5*
Colored	*12,110*	*12,084*	*15.2*	*16.6*	*17.3*	*15.9*	*15.8*	*15.9*	*15.7*	*15.4*
Maine	11,353	11,082	15.4	13.8	13.8	14.4	13.9	13.9	14.3	13.9
Maryland	21,873	21,567	14.6	13.7	14.0	14.5	13.3	13.6	13.5	13.2
White	*16,681*	*16,308*	*13.3*	*12.5*	*12.6*	*13.2*	*12.0*	*12.4*	*12.4*	*12.0*
Colored	*5,192*	*5,264*	*21.1*	*19.5*	*20.9*	*20.6*	*19.6*	*19.5*	*18.9*	*18.9*
Massachusetts	51,916	49,333	13.8	12.3	12.7	12.8	11.9	12.2	12.3	11.6
Michigan	56,118	51,620	13.8	11.3	11.5	12.3	11.2	11.8	11.8	10.6
Minnesota	25,692	25,702	10.7	10.0	10.2	10.3	9.8	10.3	10.1	10.0
Mississippi	25,830	24,099	12.2	11.2	11.6	12.3	11.9	13.1	13.0	12.0
White	*10,206*	*9,158*	*9.2*	*8.6*	*8.8*	*9.7*	*9.2*	*10.5*	*10.3*	*9.1*
Colored	*15,624*	*14,941*	*15.0*	*13.7*	*14.3*	*14.8*	*14.5*	*15.6*	*15.5*	*14.7*
Missouri	44,281	43,099	12.5	11.6	11.7	12.1	11.4	12.6	12.3	11.9
Montana	5,742	5,440	9.6	9.1	9.6	10.0	9.9	10.7	10.7	10.1
Nebraska	13,377	13,292	10.0	9.3	9.3	9.4	9.1	10.0	9.8	9.6
Nevada	1,199	1,160	(2)	(2)	(2)	(2)	(2)	(2)	13.3	12.7
New Hampshire	6,542	6,322	15.2	14.0	14.4	14.7	13.8	14.0	14.1	13.6
New Jersey	46,142	43,597	12.9	11.5	11.6	12.1	11.1	11.6	11.6	10.7
New Mexico	6,428	6,596	(2)	(2)	(2)	(2)	(2)	(2)	15.4	15.5
New York	153,985	145,453	13.8	12.4	12.3	12.8	11.7	12.4	12.4	11.7
North Carolina	36,919	35,782	12.6	11.8	11.3	11.7	10.9	11.8	11.8	11.2
White	*22,564*	*21,627*	*11.2*	*10.1*	*9.7*	*10.1*	*9.4*	*10.4*	*10.2*	*9.6*
Colored	*14,355*	*14,155*	*15.9*	*15.7*	*14.9*	*15.5*	*14.6*	*15.1*	*15.5*	*15.1*
North Dakota	5,421	5,371	(2)	7.3	7.6	7.9	7.8	8.2	8.0	7.9
Ohio	81,332	76,226	12.8	11.4	11.8	12.4	11.5	12.3	12.4	11.4
Oklahoma	21,398	19,646	(2)	(2)	(2)	(2)	(2)	9.0	9.0	8.2
White	*18,274*	*16,663*	(2)	(2)	(2)	(2)	(2)	*8.7*	*8.7*	*7.8*
Colored	*3,124*	*2,983*	(2)	(2)	(2)	(2)	(2)	*11.4*	*12.0*	*11.2*
Oregon	10,668	10,543	11.7	11.1	11.0	11.1	11.2	11.3	11.3	11.0
Pennsylvania	117,365	111,606	13.8	12.4	12.6	13.0	11.9	12.6	12.3	11.6
Rhode Island	8,916	8,006	14.3	13.0	12.7	13.4	11.9	12.5	13.1	11.6
South Carolina	23,053	22,433	14.1	13.4	12.8	13.6	12.6	14.1	13.3	12.9
White	*9,450*	*9,271*	*11.4*	*10.5*	*9.8*	*10.3*	*9.8*	*11.3*	*10.1*	*9.8*
Colored	*13,603*	*13,162*	*16.6*	*16.5*	*16.1*	*17.3*	*15.7*	*17.4*	*17.0*	*16.6*
South Dakota	(2)	5,873	(2)	(2)	(2)	(2)	(2)	(2)	(2)	8.5
Tennessee	31,595	29,987	12.1	11.4	11.2	12.5	11.4	12.2	12.2	11.4
White	*22,694*	*21,236*	*10.7*	*9.7*	*9.6*	*10.8*	*9.9*	*10.7*	*10.7*	*9.9*
Colored	*8,901*	*8,751*	*18.0*	*18.5*	*18.1*	*19.7*	*18.0*	*19.1*	*18.7*	*18.3*
Utah	5,062	5,064	11.5	10.6	9.3	10.6	9.6	10.3	10.1	9.9
Vermont	5,295	4,687	15.7	13.7	14.4	14.6	13.6	13.6	14.7	13.0
Virginia	31,262	30,315	13.2	12.4	12.4	12.9	12.0	12.6	13.0	12.5
White	*19,328*	*18,593*	*11.3*	*10.5*	*10.3*	*11.0*	*10.1*	*10.6*	*11.0*	*10.5*
Colored	*11,934*	*11,722*	*17.6*	*17.0*	*17.6*	*17.9*	*17.0*	*17.9*	*18.2*	*18.0*
Washington	16,413	16,678	11.1	10.1	10.4	10.3	10.6	10.9	10.6	10.6
West Virginia	18,128	18,220	(2)	(2)	10.7	11.1	10.2	10.4	10.6	10.5
Wisconsin	31,287	30,553	11.2	10.2	10.5	10.7	10.4	11.0	10.7	10.4
Wyoming	2,010	2,079	(2)	9.9	9.0	8.9	9.1	9.8	9.0	9.2
Hawaii [3]	4,383	3,865	17.6	13.1	13.0	11.9	12.0	11.8	12.2	10.4

[1] Includes District of Columbia (for rates see Washington, Table 68); number of deaths, 1930, 7,387.
[2] Not in registration area.
[3] Not included in total.

Source: Bureau of the Census, Department of Commerce.

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No. 67.—DEATHS: Number and Rate per 100,000 Population, in the Death Registration Area, by Important Causes

Note.—See general note, p. 74

Detailed Int. List No.	Cause of death	Number of deaths, registration area, 1930	Registration area—rate								Registration States of 1900—rate					
			1900	1910	1920	1925	1927	1928	1929	1930	1900	1910	1920	1928	1929	1930
	All causes	1,343,356	1,755.0	1,496.2	1,303.8	1,184.1	1,143.4	1,206.6	1,191.9	1,133.1	719.5	1,562.4	1,376.0	1,229.3	1,234.3	1,152.3
1, 2	Typhoid and paratyphoid fever	5,698	35.9	23.5	7.8	8.0	5.5	4.9	4.2	4.8	31.3	18.0	4.9	1.9	1.6	1.6
38	Malaria	3,403	7.9	2.2	3.6	2.1	2.7	3.6	3.5	2.9	6.2	1.3	.2	.1	.1	.1
7	Measles	3,820	12.5	12.3	8.8	2.3	4.1	5.4	2.5	3.2	13.4	12.6	10.3	5.5	2.5	2.6
8	Scarlet fever	2,279	10.2	11.6	4.6	2.7	2.3	2.0	2.1	1.9	9.6	12.2	5.2	2.1	1.9	1.8
9	Whooping cough	5,707	12.1	11.4	12.5	6.7	6.9	5.5	6.3	4.8	12.2	10.7	11.9	5.1	4.2	3.4
10	Diphtheria	5,822	43.3	21.4	15.3	7.8	7.8	7.2	6.6	4.9	40.4	22.5	17.3	7.4	6.7	4.3
11,108,109	Influenza and pneumonia (lobar and unspecified)	81,060	181.5	115.1	153.4	84.7	69.4	103.9	109.6	68.4	179.4	121.8	144.3	86.3	96.8	61.2
15	Erysipelas	2,508	5.1	4.5	3.1	2.4	2.4	2.4	2.5	2.1	5.4	4.9	3.6	2.8	3.1	2.7
18	Epidemic cerebrospinal meningitis	4,211	(1)	.4	1.6	1.1	1.6	2.6	4.5	3.6	(1)	.3	1.8	3.2	5.5	3.6
23, 32a	Tuberculosis of the respiratory system and acute disseminated tuberculosis	76,549	181.8	139.7	100.6	77.2	72.6	71.5	69.0	64.6	174.5	142.0	97.0	66.6	64.7	60.4
24–31 32 b, c	Other forms of tuberculosis	8,192	20.1	20.6	13.4	9.5	8.4	7.8	7.0	6.9	20.7	22.7	14.7	8.3	7.2	7.2
45–53	Cancer and other malignant tumors	115,265	63.0	76.2	83.2	92.8	95.7	96.1	95.9	97.2	64.0	83.0	98.7	115.8	117.3	117.6
59	Diabetes mellitus	22,528	9.7	14.9	16.0	16.9	17.5	19.0	18.8	19.0	11.0	17.6	20.4	23.6	24.1	24.0
82a, c	Cerebral hemorrhage and softening	95,968	71.5	75.8	81.9	81.0	80.3	83.4	82.1	81.0	76.5	88.0	96.4	89.4	87.4	82.7
90–95	Diseases of the heart	253,084	132.1	158.8	159.1	185.7	196.0	208.2	210.8	213.5	137.4	180.9	197.6	259.2	266.4	264.5
106, 107	Bronchitis and bronchopneumonia	45,655	67.6	70.5	67.7	45.2	39.2	44.8	42.3	38.5	68.1	79.2	82.0	50.3	49.5	41.6
119, 120	Diarrhea and enteritis [2]	31,192	133.2	117.4	54.3	39.4	27.6	26.9	23.5	26.3	139.9	119.4	55.6	19.0	17.7	17.5
121	Appendicitis	18,100	9.7	11.4	13.4	15.2	15.0	15.3	15.2	15.3	8.8	11.1	13.2	15.2	15.9	15.8
122	Hernia, intestinal obstruction [3]	12,176	12.2	12.4	10.6	10.8	10.5	10.5	10.6	10.3	11.9	12.6	11.1	10.5	10.6	10.3
124	Cirrhosis of the liver	8,583	12.9	13.9	7.1	7.3	7.5	7.6	7.2	7.2	12.5	14.4	7.7	8.4	8.1	7.8
130–132	Nephritis	107,619	89.0	99.0	89.2	96.5	92.6	95.2	91.2	90.8	88.7	107.3	97.4	94.6	90.8	91.0
140, 145	Puerperal septicemia	5,439	5.7	7.2	6.6	5.5	5.3	5.0	5.0	4.6	5.8	6.7	6.0	4.3	4.2	3.9
141–144, 146–150	Other puerperal causes	9,726	7.6	8.5	12.5	9.3	8.5	8.8	8.2	8.2	7.7	8.4	11.5	7.4	7.0	6.7
157–161	Congenital malformations and diseases of early infancy	72,246	91.8	88.1	84.7	74.0	67.8	65.8	62.4	60.9	88.2	94.6	90.8	66.1	62.6	60.6
163–171	Suicide	18,551	11.5	16.0	10.2	12.1	13.3	13.6	14.0	15.6	10.2	15.4	10.9	14.9	15.6	16.9
172–175	Homicide	10,617	2.1	5.9	7.1	8.6	8.8	8.8	8.5	9.0	1.2	3.9	4.2	4.8	5.0	5.1
206	Automobile and railroad-train collision	1,760	(1)	(1)	(1)	1.2	1.5	1.8	1.7	1.5	(1)	(1)	(1)	1.7	1.6	1.3
208	Automobile and street-car collision	463	(1)	(1)	(1)	.5	.4	.5	.4	.4	(1)	(1)	(1)	.5	.4	.4
210	Automobile accidents [4]	29,080	(1)	1.8	10.4	17.1	19.6	20.8	23.3	24.5	(1)	2.0	12.1	22.4	25.1	25.0
	Other external causes	64,224	79.0	82.6	60.9	59.7	57.0	56.3	55.5	54.2	72.3	75.8	58.5	54.2	53.6	51.3

[1] Not separately tabulated.
[2] Includes ulcer of the duodenum from 1900 to 1920.
[3] Includes adhesions of intestines from 1900 to 1920.
[4] Excludes collisions with railroad trains and street cars.

Source: Bureau of the Census, Department of Commerce.

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No. 68.—DEATHS: Rate per 1,000 Estimated Population, by Registration Cities Having 100,000 or More Inhabitants in 1930

City	Rate per 1,000 population					City	Rate per 1,000 population				
	1920	1925	1928	1929	1930		1920	1925	1928	1929	1930
Akron	11.7	8.6	10.2	9.4	7.8	Miami	15.0	(3)	9.0	9.5	11.1
Albany	15.7	15.3	16.0	16.1	14.8	*White*	*12.5*	(3)	*7.8*	*8.3*	*9.9*
Atlanta	17.1	16.1	16.4	15.7	15.5	*Colored*	*20.7*	(3)	*15.4*	*15.8*	*15.2*
White	*14.6*	*12.0*	*12.8*	*11.9*	*11.6*	Milwaukee	11.7	10.6	11.0	10.7	9.6
Colored	*22.8*	*24.6*	*23.7*	*23.5*	*25.2*	Minneapolis	12.3	11.7	11.0	10.8	10.8
Baltimore	15.4	15.1	15.0	14.5	13.9	Nashville	18.1	17.0	18.4	17.8	16.3
White	*14.0*	*13.5*	*13.7*	*13.3*	*12.7*	*White*	*15.5*	*14.1*	*15.5*	*15.6*	*13.7*
Colored	*23.3*	*23.1*	*21.6*	*20.6*	*19.6*	*Colored*	*24.0*	*24.1*	*25.7*	*23.4*	*23.1*
Birmingham	16.3	15.8	15.8	15.3	13.6	Newark, N. J	12.9	12.4	12.6	12.8	11.9
White	*12.3*	*11.7*	*12.0*	*11.9*	*10.0*	New Bedford	14.4	12.0	11.8	11.9	11.0
Colored	*22.6*	*22.4*	*21.8*	*20.7*	*19.3*	New Haven	14.6	13.4	13.6	13.4	13.0
Boston	15.5	15.1	14.9	15.0	14.1	New Orleans	17.6	18.7	18.5	17.7	17.4
Bridgeport	13.0	10.6	11.8	11.9	10.9	*White*	*14.5*	*14.7*	*15.3*	*14.3*	*14.4*
Buffalo	14.7	13.7	13.7	13.9	12.9	*Colored*	*26.2*	*29.0*	*26.5*	*26.4*	*25.0*
Cambridge	14.9	12.8	13.1	12.6	11.8	New York	12.9	11.4	11.7	11.3	10.8
Camden	14.9	15.1	14.4	14.1	13.4	Bronx Boro	10.4	8.1	9.2	9.3	7.9
Canton	12.6	11.6	11.9	11.1	9.7	Brooklyn Boro	12.5	10.8	11.0	10.6	9.8
Chattanooga	19.4	21.7	22.7	20.9	15.7	Manhattan Boro	14.4	14.5	14.9	14.3	16.0
White	*15.5*	*15.1*	*17.0*	*16.4*	*12.2*	Queens Boro	11.0	8.8	9.6	9.5	7.1
Colored	*27.6*	*38.2*	*37.0*	*32.6*	*24.8*	Richmond Boro	15.0	13.4	13.7	14.2	13.8
Chicago	12.7	11.2	12.1	11.2	10.4	Norfolk	15.5	12.9	14.3	15.0	13.6
Cincinnati	15.0	15.2	17.1	16.8	15.5	*White*	*12.1*	*9.3*	*10.7*	*10.6*	*10.1*
Cleveland	12.5	11.4	11.8	12.2	11.0	*Colored*	*21.1*	*19.6*	*21.2*	*23.6*	*20.4*
Columbus	14.8	14.4	14.8	14.5	15.3	Oakland	11.8	10.2	11.6	11.3	11.1
Dallas	13.3	12.5	10.9	11.6	11.5	Oklahoma City	11.9	8.4	10.2	10.5	11.2
White	*12.0*	*11.3*	*9.7*	*10.6*	(1)	Omaha	14.4	13.8	13.7	13.4	13.1
Colored	*20.4*	*19.6*	*17.6*	*17.2*	(1)	Paterson	12.8	12.5	13.3	13.4	12.0
Dayton	12.2	11.0	11.3	11.4	11.0	Peoria	15.1	12.3	13.1	13.2	12.3
Denver	17.4	15.1	16.6	14.6	15.0	Philadelphia	14.5	13.8	13.9	13.0	12.5
Des Moines	(2)	11.2	12.3	11.9	12.0	Pittsburgh	16.4	15.0	15.4	14.5	13.9
Detroit	13.5	11.0	11.1	10.9	9.3	Portland, Oreg	12.2	11.9	12.5	12.6	12.1
Duluth	10.2	11.1	11.8	11.8	11.7	Providence	15.5	13.5	14.0	14.4	12.9
Elizabeth	12.7	11.3	12.3	12.4	11.5	Reading	14.4	13.4	12.1	11.8	11.1
El Paso	28.1	19.2	20.6	19.4	17.7	Richmond	16.5	15.4	15.5	16.1	14.9
Erie	13.7	11.8	11.8	12.1	11.2	*White*	*13.4*	*12.7*	*12.5*	*13.2*	*12.3*
Evansville	13.0	12.3	12.1	12.6	12.6	*Colored*	*23.3*	*21.3*	*22.7*	*23.1*	*21.4*
Fall River	14.7	13.5	12.2	13.2	11.5	Rochester	12.7	12.2	12.4	12.2	11.5
Flint	11.8	7.8	10.4	10.6	8.9	St. Louis	14.1	14.2	14.9	14.5	13.9
Fort Wayne	13.2	11.4	11.9	11.7	11.0	St. Paul	12.5	12.3	11.5	10.9	10.6
Fort Worth	(2)	10.4	11.7	11.6	11.0	Salt Lake City	14.3	11.8	12.8	12.9	12.9
White	(2)	*9.9*	*10.9*	*11.0*	(1)	San Antonio	16.2	15.2	16.4	16.2	16.0
Colored	(2)	*13.3*	*17.2*	*15.8*	(1)	*White*	*16.1*	*15.0*	*16.3*	*15.9*	(3)
Gary	13.8	13.0	11.2	10.2	9.6	*Colored*	*16.8*	*17.2*	*16.5*	*19.3*	(3)
Grand Rapids	13.2	11.5	10.9	10.3	10.0	San Diego	17.0	15.0	16.4	15.0	14.6
Hartford	16.5	13.5	13.4	13.8	13.0	San Francisco	14.2	12.9	13.5	13.0	13.0
Houston	13.5	12.8	12.6	12.5	12.2	Scranton	14.9	13.9	14.1	14.2	12.8
White	*12.0*	*10.8*	*11.2*	*11.0*	(1)	Seattle	10.7	9.8	11.1	11.1	10.9
Colored	*18.2*	*19.4*	*17.4*	*17.9*	(1)	Somerville	12.0	11.2	10.3	9.2	9.7
Indianapolis	14.6	14.5	15.0	14.7	14.2	South Bend	12.7	11.0	10.1	10.2	9.1
White	*13.8*	*13.8*	*14.4*	*13.9*	*13.5*	Spokane	14.1	12.4	14.1	12.9	12.5
Colored	*21.1*	*20.1*	*20.2*	*21.2*	*19.6*	Springfield, Mass	13.1	12.7	11.7	12.7	11.8
Jacksonville, Fla	16.9	16.7	16.4	16.6	15.2	Syracuse	15.2	12.2	13.2	12.7	11.7
White	*14.1*	*12.7*	*12.3*	*12.3*	*11.8*	Tacoma	12.9	12.3	12.3	12.2	12.8
Colored	*20.3*	*22.5*	*22.9*	*23.6*	*21.0*	Tampa	13.4	14.6	13.6	11.6	11.6
Jersey City	14.1	11.9	12.7	12.4	11.3	*White*	*11.2*	*12.1*	*11.5*	*10.5*	*10.4*
Kansas City, Kans	14.5	14.1	14.2	13.4	13.7	*Colored*	*20.8*	*24.2*	*21.5*	*15.7*	*15.9*
White	*13.5*	*12.4*	*13.1*	*12.2*	*13.5*	Toledo	13.9	13.0	13.8	13.7	12.6
Colored	*20.6*	*23.5*	*20.0*	*19.9*	*14.9*	Trenton	15.8	15.4	15.0	15.5	15.3
Kansas City, Mo	16.1	13.9	14.5	13.7	13.2	Tulsa	(2)	(2)	10.8	9.7	9.9
Knoxville	17.0	14.2	14.8	13.5	14.1	*White*	(2)	(2)	*10.0*	*8.9*	*9.1*
White	*16.2*	*12.6*	*13.7*	*12.5*	*13.2*	*Colored*	(2)	(2)	*16.1*	*15.6*	*15.6*
Colored	*21.7*	*22.7*	*20.4*	*18.6*	*18.5*	Utica	14.7	15.2	16.1	16.6	14.8
Long Beach	12.8	11.7	10.9	10.8	10.4	Washington, D. C	14.7	15.1	15.1	15.4	15.1
Los Angeles	13.6	12.5	12.1	11.4	10.5	*White*	*12.7*	*12.6*	*12.8*	*13.0*	*13.0*
Louisville	15.0	14.3	15.1	15.1	14.3	*Colored*	*20.6*	*22.2*	*21.4*	*21.7*	*20.9*
White	*13.6*	*12.9*	*13.6*	*13.7*	*12.6*	Wichita	15.0	11.8	12.2	12.4	11.9
Colored	*21.9*	*22.1*	*23.5*	*22.6*	*23.3*	Wilmington, Del	14.2	13.3	14.2	13.4	14.6
Lowell	15.8	14.6	13.6	13.6	13.2	Worcester	14.8	13.5	13.8	12.8	12.8
Lynn	12.8	11.6	11.6	11.3	10.3	Yonkers	11.3	9.6	9.3	9.4	8.4
Memphis	19.8	18.5	18.6	18.9	17.3	Youngstown	13.0	11.8	12.7	12.3	10.5
White	*15.6*	*13.8*	*15.5*	*15.3*	*13.5*						
Colored	*26.8*	*26.2*	*23.6*	*23.8*	*23.5*						

[1] Not yet available. [2] Not in registration area. [3] Rate unsatisfactory.

Source: Bureau of the Census, Department of Commerce.

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No. 69.—BIRTHS, DEATHS, AND DEATHS UNDER 1 YEAR OF AGE IN THE BIRTH REGISTRATION AREA: BY SEX

NOTE.—See general note, p. 74

Year	Entire area								
	Population of registration area [1]	Per cent of U. S. total population	Per cent of U. S. total area	Births			Deaths		
				Total	Males	Females	Total	Males	Females
1915	30,936,179	31.1	9.8	776,304	398,615	377,689	436,593	234,871	201,722
1916	32,788,670	32.5	10.2	818,983	420,881	398,102	486,682	264,498	222,184
1917	54,771,416	53.6	26.7	1,353,792	696,101	657,691	776,222	423,359	352,863
1918	55,515,241	53.6	26.7	1,363,649	701,164	662,485	996,627	534,720	461,907
1919	61,483,423	58.6	36.2	1,373,438	705,593	667,845	798,104	422,252	375,852
1920	63,740,689	59.8	38.7	1,508,874	775,322	733,552	836,134	438,201	397,933
1921	70,738,177	65.4	40.7	1,714,261	881,591	832,670	825,511	434,019	391,492
1922	79,415,841	72.3	50.7	1,774,911	911,831	863,080	938,545	497,967	440,578
1923	80,694,406	72.3	50.7	1,792,646	921,020	871,626	992,237	528,429	463,808
1924	86,250,025	76.2	56.8	1,930,614	992,431	938,183	1,006,994	542,637	464,357
1925	87,486,096	76.2	56.6	1,878,880	966,973	911,907	1,030,518	555,267	475,251
1926	89,682,479	77.0	63.2	1,856,068	953,638	902,430	1,093,511	589,653	503,858
1927	103,575,656	87.6	72.0	2,137,836	1,099,287	1,038,549	1,176,805	638,080	538,725
1928	113,050,663	94.3	80.8	2,233,149	1,147,625	1,085,524	1,361,987	738,891	623,096
1929	115,097,972	94.7	88.6	2,169,920	1,114,814	1,055,106	1,369,757	745,491	624,266
1930	116,644,000	94.7	88.6	2,203,958	1,131,976	1,071,982	1,321,367	723,315	598,052

Year	Entire area—Continued						Area as of 1917 [2]	
	Excess of births over deaths	Rates per 1,000 of total population			Number of males per 1,000 females		Rates per 1,000 of total population	
		Births	Deaths	Excess of births	Among births	Among deaths	Births	Deaths
1915	339,711	25.1	14.1	11.0	1,055	1,164		
1916	332,301	25.0	14.8	10.2	1,057	1,190		
1917	577,570	24.7	14.2	10.5	1,058	1,200	24.7	14.2
1918	367,022	24.6	18.3	6.3	1,058	1,158	24.5	17.9
1919	575,334	22.3	13.0	9.3	1,057	1,123	22.6	12.9
1920	672,740	23.7	13.1	10.6	1,057	1,101	23.9	13.2
1921	888,750	24.2	11.7	12.5	1,059	1,109	24.5	11.7
1922	836,366	22.3	11.8	10.5	1,056	1,130	22.8	11.9
1923	800,409	22.2	12.3	9.9	1,057	1,139	22.8	12.5
1924	923,620	22.4	11.7	10.7	1,058	1,169	22.9	11.8
1925	848,362	21.5	11.8	9.7	1,060	1,168	21.9	12.0
1926	762,557	20.7	12.2	8.5	1,057	1,170	21.0	12.4
1927	961,031	20.6	11.4	9.2	1,058	1,184	20.8	11.5
1928	871,162	19.8	12.0	7.8	1,057	1,186	20.0	12.2
1929	800,163	18.9	11.9	7.0	1,057	1,194	19.0	12.1
1930	882,591	18.9	11.3	7.6	1,056	1,209	18.9	11.5

Year	Deaths under 1 year of age in entire birth registration area						
	Number			Deaths per 1,000 births			Number of male deaths per 1,000 female deaths
	Total	Males	Females	Among total	Among males	Among females	
1915	77,572	43,818	33,754	100	110	89	1,298
1919	119,000	67,580	51,420	87	96	77	1,314
1920	129,531	73,737	55,794	86	95	76	1,322
1921	129,588	73,582	56,006	76	84	67	1,314
1922	135,228	77,105	58,123	76	85	67	1,327
1923	138,259	78,309	59,950	77	85	69	1,306
1924	136,730	78,085	58,645	71	79	63	1,331
1925	134,652	76,902	57,750	72	80	63	1,332
1926	136,118	77,366	58,752	73	81	65	1,317
1927	138,017	78,652	59,365	65	72	57	1,325
1928	153,492	87,676	65,816	69	76	61	1,332
1929	146,661	83,144	63,517	68	75	60	1,309
1930	142,413	80,744	61,669	65	71	58	1,309

[1] Midyear estimates.

[2] Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

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No. 70.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: BY STATES

NOTE.—See general note, p. 74. For number of deaths in each State see Table 66; for number in entire birth registration area see Table 69

Area	Number of births					Excess of births over deaths[1]			
	1920	1925	1928	1929	1930	1925	1928	1929	1930
Total birth registration area	1,508,874	1,878,880	2,233,149	2,169,920	2,203,958	848,362	871,162	800,163	882,591
White	1,395,523	1,731,669	1,982,246	1,924,475	1,953,160	803,481	813,977	748,985	820,014
Colored	113,351	147,211	250,903	245,445	250,798	44,881	57,185	51,178	62,577
Cities in birth registration area	763,209	964,302	1,039,019	1,019,622	1,080,674	408,352	351,370	332,618	385,971
Rural part of birth registration area	745,665	914,578	1,194,130	1,150,298	1,123,284	440,010	519,792	467,545	496,620
Alabama	(2)	(2)	63,554	62,920	63,757	(2)	31,707	30,481	33,335
White	(2)	(2)	*41,142*	*40,781*	*40,782*	(2)	*24,518*	*23,636*	*24,772*
Colored	(2)	(2)	*22,412*	*22,139*	*22,975*	(2)	*7,189*	*6,845*	*8,563*
Arizona	(2)	(2)	8,945	9,599	10,376	(2)	2,501	2,806	3,697
Arkansas	(2)	(2)	38,183	37,324	41,093	(2)	18,185	17,845	22,143
White	(2)	(2)	*29,696*	*28,802*	*32,009*	(2)	*16,557*	*15,935*	*19,534*
Colored	(2)	(2)	*8,487*	*8,522*	*9,084*	(2)	*1,628*	*1,912*	*2,619*
California	67,199	86,204	83,536	81,568	84,206	28,404	17,430	16,123	17,957
Colorado	(2)	(2)	19,155	17,939	18,814	(2)	5,078	5,065	5,607
Connecticut	34,096	29,736	28,245	27,257	27,693	12,056	10,307	8,975	10,406
Delaware	(2)	4,674	4,311	4,286	4,474	1,559	1,115	1,154	1,218
District of Columbia	8,823	9,107	8,935	8,895	9,376	2,092	1,696	1,467	1,989
White	*6,319*	*6,245*	*6,117*	*5,987*	*6,324*	*1,952*	*1,645*	*1,404*	*1,729*
Colored	*2,504*	*2,862*	*2,818*	*2,908*	*3,052*	*140*	*51*	*63*	*260*
Florida	(2)	29,403	29,777	26,868	26,993	12,541	10,834	8,674	8,764
White	(2)	*20,160*	*20,633*	*18,304*	*18,608*	*10,000*	*9,251*	*7,393*	*7,555*
Colored	(2)	*9,243*	*9,144*	*8,564*	*8,391*	*2,541*	*1,583*	*1,281*	*1,209*
Georgia	(2)	(2)	59,123	58,506	60,689	(2)	23,112	23,162	*26,506*
White	(2)	(2)	*37,190*	*35,780*	*37,285*	(2)	*18,580*	*17,475*	*19,292*
Colored	(2)	(2)	*21,933*	*22,776*	*23,404*	(2)	*4,532*	*5,689*	6,214
Idaho	(2)	(2)	9,081	8,810	9,177	(2)	4,904	4,735	5,006
Illinois	(2)	135,437	129,667	128,633	128,121	53,844	39,472	40,845	44,530
Indiana	64,809	64,342	60,289	58,830	59,278	25,710	19,799	17,853	20,082
Iowa	(2)	47,760	43,378	42,126	42,733	23,466	18,063	16,445	16,505
Kansas	39,632	36,716	33,837	32,637	33,707	18,135	12,891	13,245	14,202
Kentucky	62,888	63,507	*59,475*	56,510	59,262	35,120	29,085	25,401	29,700
White	*58,747*	*59,088*	*55,806*	*52,968*	*55,881*	*35,352*	*30,158*	*26,698*	*31,069*
Colored	*4,141*	*4,419*	*3,669*	*3,542*	*3,381*	*—232*	*—1,068*	*—1,291*	*—1,369*
Louisiana	(2)	(2)	41,946	42,146	42,890	(2)	16,959	17,423	18,183
White	(2)	(2)	*25,805*	*25,780*	*26,166*	(2)	*12,962*	*13,167*	*13,545*
Colored	(2)	(2)	*16,141*	*16,366*	*16,724*	(2)	*3,997*	*4,256*	*4,638*
Maine	17,328	17,453	16,464	15,871	16,199	6,661	5,459	4,518	5,117
Maryland	36,212	33,864	31,816	29,924	30,251	12,236	10,102	8,051	8,684
White	*29,452*	*27,124*	*25,218*	*23,497*	*23,834*	*10,981*	*8,801*	*6,816*	*7,531*
Colored	*6,760*	*6,740*	*6,598*	*6,427*	*6,417*	*1,255*	*1,301*	*1,235*	*1,153*
Massachusetts	91,692	86,037	79,028	74,052	73,616	34,316	27,994	22,136	24,283
Michigan	92,740	99,220	97,797	99,134	99,325	49,801	43,003	43,016	47,705
Minnesota	55,909	53,776	49,514	46,699	47,418	28,340	23,537	21,007	21,716
Mississippi	(2)	45,155	48,213	45,612	48,163	23,002	22,327	19,782	24,064
White	(2)	*22,083*	*25,654*	*22,025*	*25,296*	*13,865*	*13,381*	*11,819*	*14,133*
Colored	(2)	*23,072*	*24,579*	*23,587*	*24,867*	*9,137*	*8,946*	*7,963*	*9,926*
Missouri	(2)	(2)	63,339	61,192	62,166	(2)	18,071	16,911	19,067
Montana	(2)	10,234	9,969	10,046	9,971	5,046	4,189	4,304	4,531
Nebraska	30,911	29,233	28,028	26,587	27,004	16,740	14,368	13,210	13,712
Nevada	(2)	(2)	(2)	1,280	1,332	(2)	(2)	81	172
New Hampshire	9,946	9,407	8,676	8,170	8,342	2,844	2,234	1,628	2,029
New Jersey	(2)	74,181	70,080	68,345	68,321	31,989	25,118	22,203	24,724
New Mexico	(2)	(2)	(2)	11,348	12,115	(2)	(2)	4,920	5,519
New York	235,243	229,717	223,099	217,215	216,072	87,217	71,459	63,230	68,619
North Carolina	81,407	83,716	80,893	77,161	76,772	51,168	44,733	40,242	40,990
White	*57,054*	*57,681*	*55,708*	*53,211*	*53,462*	*37,979*	*33,295*	*30,647*	*31,835*
Colored	*24,353*	*26,035*	*25,185*	*23,950*	*23,310*	*13,189*	*11,438*	*9,595*	*9,155*
North Dakota	(2)	14,471	14,966	14,647	14,783	9,426	9,453	9,226	9,412
Ohio	123,729	126,878	120,407	116,564	118,260	53,271	40,209	35,232	42,034
Oklahoma	(2)	(2)	42,986	39,738	42,505	(2)	22,033	18,340	22,859
Oregon	14,942	15,486	14,035	13,236	13,468	5,857	3,545	2,568	2,925
Pennsylvania	220,462	215,120	200,769	189,524	189,458	99,375	81,162	72,159	77,852
Rhode Island	(2)	14,400	13,021	12,289	12,191	6,174	4,627	3,373	4,185
South Carolina	47,777	(2)	43,287	39,444	40,460	(2)	18,860	16,391	18,027
White	*25,818*	(2)	*21,555*	*19,514*	*20,057*	(2)	*11,144*	*10,064*	*10,786*
Colored	*25,964*	(2)	*21,732*	*19,930*	*20,403*	(2)	*7,716*	*6,327*	*7,241*
Tennessee	(2)	(2)	50,363	50,600	52,652	(2)	18,959	19,005	22,665
White	(2)	(2)	*42,392*	*42,172*	*44,546*	(2)	*20,048*	*19,778*	*23,310*
Colored	(2)	(2)	*7,971*	*8,128*	*8,106*	(2)	*—1,089*	*—773*	*—645*

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.

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No. 70.—Births and Excess of Births Over Deaths: By States—Con.

Area	Number of births					Excess of births over deaths[1]			
	1920	1925	1928	1929	1930	1925	1928	1929	1930
Utah	14,157	13,735	12,962	12,380	12,946	9,251	7,853	7,318	7,882
Vermont	7,409	7,509	7,042	6,728	6,934	2,372	2,154	1,433	2,247
Virginia	65,794	61,193	56,516	53,977	54,703	31,850	26,305	22,715	24,388
White	*45,229*	*42,407*	*39,947*	*38,170*	*38,972*	*24,884*	*21,489*	*18,842*	*20,379*
Colored	*20,565*	*18,786*	*16,569*	*15,807*	*15,731*	*6,966*	*4,816*	*3,873*	*4,009*
Washington	27,072	24,741	23,161	22,658	23,019	9,461	6,438	6,245	6,341
West Virginia	(2)	45,311	43,387	40,668	41,614	28,157	25,880	22,540	23,394
Wisconsin	58,697	57,324	57,398	55,553	56,788	27,944	25,610	24,266	26,235
Wyoming	(2)	4,833	4,496	4,424	4,471	2,937	2,341	2,414	2,392
Hawaii[3]	(2)	(2)	(2)	11,248	10,814	(2)	(2)	6,865	6,949
Virgin Islands[3]	(2)	634	563	496	592	133	—90	—37	108

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.
[3] Not included in total.

Source: Bureau of the Census, Department of Commerce.

No. 71.—BIRTHS, DEATHS, AND EXCESS OF BIRTHS OVER DEATHS: Rates per 1,000 Population in the Birth Registration Area

Note.—See general note, p. 74

Area	1920	1922	1923	1924	1925	1926	1927	1928	1929	1930
Total birth registration area:										
Births	23.7	22.3	22.2	22.4	21.5	20.7	20.6	19.8	18.9	18.9
Deaths	13.1	11.8	12.3	11.7	11.8	12.2	11.4	12.0	11.9	11.3
Excess	10.6	10.5	9.9	10.7	9.7	8.5	9.2	7.8	7.0	7.6
White:										
Births	23.4	22.1	22.0	22.1	21.2	20.4	20.4	19.5	18.6	18.6
Deaths	12.7	11.5	11.9	11.2	11.4	11.8	10.9	11.5	11.3	10.8
Excess	10.7	10.6	10.1	10.9	9.8	8.6	9.5	8.0	7.3	7.8
Colored:										
Births	26.9	25.3	25.3	26.2	25.4	24.9	23.6	22.2	21.3	21.5
Deaths	18.3	15.8	17.0	17.3	17.6	18.1	16.5	17.1	16.9	16.2
Excess	8.6	9.5	8.3	8.9	7.8	6.8	7.1	5.1	4.4	5.3
Cities:										
Births	23.9	22.3	22.5	22.8	21.9	21.2	21.0	20.1	19.4	19.1
Deaths	14.0	12.5	13.0	12.5	12.7	13.1	12.4	13.3	13.0	12.3
Excess	9.8	9.8	9.5	10.3	9.2	8.1	8.6	6.8	6.4	6.8
Rural:										
Births	23.5	22.5	22.0	22.0	21.0	20.2	20.3	19.5	18.4	18.7
Deaths	12.2	11.1	11.6	10.9	10.9	11.2	10.4	11.0	10.9	10.5
Excess	11.4	11.4	10.4	11.3	10.1	8.9	9.9	8.5	7.5	8.2

Source: Bureau of the Census, Department of Commerce.

No. 72.—BIRTHS AND EXCESS OF BIRTHS OVER DEATHS: Rates per 1,000 Population, by States

Note.—See general note, p. 74

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population[1]				
	1920	1924	1925	1926	1927	1928	1929	1930	1925	1927	1928	1929	1930
Total birth registration area	23.7	22.4	21.5	20.7	20.6	19.8	18.9	18.9	9.7	9.2	7.8	7.0	7.6
White	23.4	22.1	21.2	20.4	20.4	19.5	18.6	18.6	9.8	9.5	8.0	7.3	7.8
Colored	26.9	26.2	25.4	24.9	23.6	22.2	21.3	21.5	7.8	7.1	5.1	4.4	5.3
Cities in birth registration area	23.9	22.8	21.9	21.2	21.0	20.1	19.4	19.1	9.2	8.6	6.8	6.4	6.8
Rural part of birth registration area	23.5	22.0	21.0	20.2	20.3	19.5	18.4	18.7	10.1	9.9	8.5	7.5	8.2
Alabama	(2)	(2)	(2)	(2)	26.3	24.5	24.0	24.0	(2)	15.8	12.2	11.6	12.5
White	(2)	(2)	(2)	(2)	*26.9*	*24.8*	*24.2*	*23.9*	(2)	*18.2*	*14.8*	*14.0*	*14.5*
Colored	(2)	(2)	(2)	(2)	*25.2*	*23.9*	*23.5*	*24.3*	(2)	*11.5*	*7.7*	*7.3*	*9.1*
Arizona	(2)	(2)	(2)	21.1	20.9	21.4	22.4	23.7	(2)	6.5	6.0	6.5	8.5

[1] A minus sign indicates an excess of deaths over births. [2] Not in the birth registration area.

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No. 72.—Births and Excess of Births Over Deaths: Rates per 1,000 Population, by States—Continued

Area	Births per 1,000 population								Excess of births over deaths per 1,000 population[1]				
	1920	1924	1925	1926	1927	1928	1929	1930	1925	1927	1928	1929	1930
Arkansas	(2)	(2)	(2)	(2)	22.1	20.8	20.2	22.1	(2)	12.1	9.9	9.7	11.9
White	(2)	(2)	(2)	(2)	*23.3*	*21.9*	*21.0*	*23.2*	(2)	*14.5*	*12.2*	*11.6*	*14.1*
Colored	(2)	(2)	(2)	(2)	*18.6*	*17.8*	*17.8*	*18.9*	(2)	*5.2*	*3.5*	*4.0*	*5.4*
California	19.0	19.7	18.4	17.1	16.6	15.8	14.8	14.7	6.0	4.5	3.3	2.9	3.1
Colorado	(2)	(2)	(2)	(2)	(2)	18.8	17.4	18.1	(2)	(2)	5.0	4.9	5.4
Connecticut	24.5	21.4	19.8	19.1	18.7	18.0	17.1	17.2	8.0	7.9	6.6	5.6	6.5
Delaware	(2)	19.2	20.2	18.0	18.2	18.3	18.1	18.7	6.7	5.4	4.7	4.9	5.1
District of Columbia	20.1	20.2	19.6	19.0	19.1	18.7	18.4	19.2	4.5	4.4	3.6	3.0	4.1
White	*19.3*	*19.0*	*18.3*	*17.6*	*17.9*	*17.5*	*17.0*	*17.8*	*5.7*	*5.5*	*4.7*	*4.0*	*4.9*
Colored	*22.4*	*23.6*	*23.3*	*22.9*	*23.3*	*21.8*	*22.2*	*23.0*	*1.1*	*1.2*	*.4*	*.5*	*2.0*
Florida	(2)	22.5	23.8	27.1	25.6	21.5	18.8	18.2	10.2	12.0	7.8	6.1	5.9
White	(2)	*22.3*	*23.7*	*28.0*	*25.7*	*21.3*	*18.2*	*17.8*	*11.8*	*14.0*	*9.5*	*7.4*	*7.2*
Colored	(2)	*23.1*	*24.0*	*25.0*	*25.4*	*22.0*	*20.1*	*19.3*	*6.6*	*7.5*	*3.8*	*3.0*	*2.8*
Georgia	(2)	(2)	(2)	(2)	(2)	20.3	20.1	20.9	(2)	(2)	7.9	7.9	8.8
White	(2)	(2)	(2)	(2)	(2)	*20.5*	*19.6*	*20.3*	(2)	(2)	*10.2*	*9.6*	*10.5*
Colored	(2)	(2)	(2)	(2)	(2)	*20.0*	*21.1*	*21.9*	(2)	(2)	*4.1*	*5.3*	*5.8*
Idaho	(2)	(2)	(2)	21.2	20.8	20.5	19.8	20.6	(2)	12.2	11.1	10.6	11.2
Illinois	(2)	19.6	19.1	18.6	18.3	17.4	17.0	16.7	7.6	7.0	5.3	5.4	5.8
Indiana	22.0	22.1	20.8	20.1	19.7	18.9	18.3	18.3	8.3	7.8	6.2	5.6	6.2
Iowa	(2)	20.2	19.6	18.7	18.2	17.6	17.1	17.3	9.6	8.2	7.3	6.7	6.7
Kansas	22.3	20.9	20.1	19.1	18.8	18.2	17.4	17.9	9.9	8.8	7.0	7.0	7.5
Kentucky	25.9	26.6	25.7	23.8	24.3	23.0	21.7	22.6	13.9	13.7	11.2	9.7	11.3
White	*26.8*	*27.4*	*25.8*	*24.4*	*25.0*	*23.7*	*22.3*	*23.4*	*15.4*	*15.2*	*12.8*	*11.2*	13.0
Colored	*17.6*	*18.8*	*19.2*	*18.0*	*17.7*	*16.1*	*15.6*	*15.0*	*-1.0*	*-1.6*	*-4.7*	*-5.7*	*-6.0*
Louisiana	(2)	(2)	(2)	(2)	22.9	20.5	20.3	20.3	(2)	11.1	8.3	8.4	8.6
White	(2)	(2)	(2)	(2)	*22.8*	*20.1*	*19.7*	*19.8*	(2)	*13.4*	*10.1*	*10.0*	*10.3*
Colored	(2)	(2)	(2)	(2)	*23.0*	*21.1*	*21.2*	*21.3*	(2)	*7.2*	*5.2*	*5.5*	*5.9*
Maine	22.5	23.7	22.3	20.9	20.7	20.8	20.0	20.3	8.5	6.8	6.9	5.7	6.4
Maryland	24.8	22.6	21.9	21.0	20.5	19.9	18.5	18.5	7.9	7.2	6.3	5.0	5.3
White	*24.8*	*21.8*	*21.1*	*20.1*	*19.8*	*19.0*	*17.5*	*17.6*	*8.5*	*7.8*	*6.6*	*5.1*	*5.6*
Colored	*27.4*	*26.6*	*25.7*	*25.5*	*24.4*	*24.3*	*23.4*	*23.1*	*4.8*	*4.8*	*4.8*	*4.5*	*4.2*
Massachusetts	23.7	22.7	21.2	20.3	19.9	18.9	17.5	17.3	8.5	8.0	6.7	5.2	5.7
Michigan	24.9	23.4	23.1	22.4	22.1	21.1	20.8	20.4	11.6	10.9	9.3	9.0	9.8
Minnesota	23.3	22.6	21.7	21.0	20.2	19.5	18.3	18.5	11.5	10.4	9.2	8.2	8.5
Mississippi	(2)	23.1	23.7	26.3	25.3	24.4	22.9	23.9	12.1	13.4	11.3	9.9	11.9
White	(2)	*23.9*	*23.7*	*26.3*	*25.3*	*24.3*	*22.8*	*23.8*	*14.9*	*16.1*	*13.8*	*12.0*	*14.2*
Colored	(2)	*22.3*	*23.6*	*26.4*	*25.2*	*24.6*	*23.4*	*24.5*	*9.3*	*10.7*	*9.0*	*7.9*	*9.8*
Missouri	(2)	(2)	(2)	(2)	18.6	17.6	16.9	17.1	(2)	7.2	5.0	4.6	5.2
Montana	(2)	18.8	18.9	18.2	18.1	18.5	18.7	18.5	9.3	8.2	7.8	8.0	8.4
Nebraska	23.8	22.6	21.8	21.0	20.5	20.5	19.4	19.6	12.5	11.4	10.5	9.6	10.0
Nevada	(2)	(2)	(2)	(2)	(2)	(2)	14.2	14.6	(2)	(2)	(2)	.9	1.9
New Hampshire	22.4	22.3	20.7	19.1	19.2	18.8	17.6	17.9	6.3	5.4	4.8	3.5	4.3
New Jersey	(2)	21.6	20.4	19.5	19.1	18.0	17.2	16.8	8.8	8.0	6.4	5.6	6.1
New Mexico	(2)	(2)	(2)	(2)	(2)	(2)	27.1	28.5	(2)	(2)	(2)	11.7	13.0
New York	22.4	20.5	19.9	18.9	19.0	18.3	17.5	17.1	7.6	7.3	5.9	5.1	5.4
North Carolina	31.4	31.0	29.0	27.9	27.7	26.4	24.7	24.1	17.7	16.8	14.6	12.9	12.9
White	*31.6*	*30.4*	*28.5*	*27.3*	*27.3*	*25.8*	*24.2*	*23.8*	*18.8*	*17.9*	*15.4*	*14.0*	*14.2*
Colored	*31.1*	*32.2*	*30.2*	*29.2*	*28.3*	*27.7*	*25.9*	*24.8*	*15.3*	*14.2*	*12.6*	*10.4*	*9.7*
North Dakota	(2)	21.5	21.8	22.3	21.9	22.2	21.6	21.7	14.2	14.1	14.0	13.6	13.8
Ohio	21.3	21.4	20.3	19.6	19.3	18.5	17.7	17.7	8.5	7.8	6.2	5.3	6.3
Oklahoma	(2)	(2)	(2)	(2)	(2)	18.4	16.8	17.7	(2)	(2)	9.4	7.8	9.5
Oregon	18.9	18.3	17.7	16.6	16.1	15.2	14.1	14.1	6.7	4.9	3.9	2.8	3.1
Pennsylvania	25.2	24.5	23.4	22.3	22.4	21.2	19.8	19.6	10.8	10.5	8.6	7.5	8.0
Rhode Island	(2)	23.4	22.2	20.7	20.6	19.3	18.0	17.7	9.5	8.7	6.8	4.9	6.1
South Carolina	28.3	27.8	(2)	(2)	(2)	25.0	22.7	23.3	(2)	(2)	10.9	9.4	10.4
White	*28.9*	*27.6*	(2)	(2)	(2)	*23.4*	*20.9*	*21.2*	(2)	(2)	*12.1*	*10.8*	*11.4*
Colored	*27.8*	*27.9*	(2)	(2)	(2)	*26.9*	*24.9*	*25.7*	(2)	(2)	*9.5*	*7.9*	*9.1*
Tennessee	(2)	(2)	(2)	(2)	21.5	19.6	19.5	20.1	(2)	10.1	7.4	7.3	8.7
White	(2)	(2)	(2)	(2)	*22.1*	*20.2*	*20.0*	*20.8*	(2)	*12.2*	*9.5*	*9.3*	*10.9*
Colored	(2)	(2)	(2)	(2)	*18.8*	*16.8*	*17.1*	*17.0*	(2)	*.8*	*-2.3*	*-1.6*	*-1.8*
Utah	31.3	29.4	28.6	27.0	26.2	26.0	24.6	25.4	19.3	16.6	15.7	14.5	15.5
Vermont	21.0	20.8	21.1	20.0	19.6	19.6	18.7	19.3	6.7	6.0	6.0	4.0	6.3
Virginia	28.4	27.3	25.8	24.3	24.3	23.5	22.4	22.6	13.4	12.3	10.9	9.4	10.1
White	*27.8*	*26.5*	*24.9*	*23.5*	*23.6*	*22.9*	*21.7*	*22.0*	*14.6*	*13.5*	*12.3*	*10.7*	*11.5*
Colored	*29.8*	*29.0*	*28.0*	*26.2*	*26.1*	*25.2*	*24.2*	*24.2*	*10.4*	*9.1*	*7.3*	*6.0*	*6.2*
Washington	19.8	17.5	16.9	16.1	15.5	15.2	14.6	14.7	6.5	4.9	4.3	4.0	4.1
West Virginia	(2)	(2)	28.2	26.9	27.1	25.8	23.8	24.0	17.5	16.9	15.4	13.2	13.5
Wisconsin	22.2	21.5	20.5	19.7	20.2	19.9	19.0	19.3	10.0	9.8	8.9	8.3	8.9
Wyoming	(2)	25.1	22.9	20.5	20.6	20.4	19.8	19.8	13.9	11.5	10.6	10.8	10.6
Hawaii [3]	(2)	(2)	(2)	(2)	(2)	(2)	31.2	29.1	(2)	(2)	(2)	19.0	18.7

[1] A minus sign indicates an excess of deaths over births.
[2] Not in the birth registration area.
[3] Not included in the total.

Source: Bureau of the Census, Department of Commerce.

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No. 73.—BIRTHS AND STILLBIRTHS, BY LEGITIMACY: BY STATES, 1930

NOTE.—Data for white and colored by legitimacy are not yet available for certain States

Area	Births [1]			Stillbirths			Stillbirths per 100 live births		
	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate	Total	Legitimate	Illegitimate
Birth registration area [2]	**2,046,136**	**1,979,145**	**66,991**	**81,512**	**75,498**	**6,014**	**4.0**	**3.8**	**9.0**
White	1,801,005			61,666			3.4		
Colored	245,131			19,846			8.1		
Alabama	63,757	59,019	4,738	3,360	2,899	461	5.3	4.9	9.7
White	*40,782*			*1,482*			*3.6*		
Colored	*22,975*			*1,878*			*8.2*		
Arizona	10,376	10,168	208	299	286	13	2.9	2.8	6.3
Arkansas	41,093	39,689	1,404	1,776	1,643	133	4.3	4.1	9.5
White	*32,009*			*1,049*			*3.3*		
Colored	*9,084*			*727*			*8.0*		
Colorado	18,814	18,372	442	597	580	17	3.2	3.2	3.8
Connecticut	27,693	27,216	477	807	790	17	2.9	2.9	3.6
Delaware	4,474	4,229	245	194	166	28	4.3	3.9	11.4
District of Columbia	9,376	8,687	689	466	401	65	5.0	4.6	9.4
White	*6,524*			*224*			*3.5*		
Colored	*2,852*			*242*			*7.9*		
Florida	26,993	25,511	1,482	1,753	1,544	209	6.5	6.1	14.1
White	*18,602*	*18,325*	*277*	*747*	*729*	*18*	*4.0*	*4.0*	*6.5*
Colored	*8,391*	*7,186*	*1,205*	*1,006*	*815*	*191*	*12.0*	*11.3*	*15.9*
Georgia	60,689	56,639	4,050	3,795	3,289	506	6.3	5.8	12.5
White	*37,285*	*36,787*	*498*	*1,455*	*1,406*	*49*	*3.9*	*3.8*	*9.8*
Colored	*23,404*	*19,852*	*3,552*	*2,340*	*1,883*	*457*	*10.0*	*9.5*	*12.9*
Idaho	9,177	9,060	117	204	202	2	2.2	2.2	1.7
Illinois	128,121	125,647	2,474	4,311	4,161	150	3.4	3.3	6.1
Indiana	59,278	58,306	972	1,754	1,694	60	3.0	2.9	6.2
Iowa	42,733	41,989	744	1,340	1,300	40	3.1	3.1	5.4
Kansas	33,707	33,182	525	1,048	1,018	30	3.1	3.1	5.7
Kentucky	59,262	58,199	1,063	2,020	1,914	106	3.4	3.3	10.0
White	*56,881*	*56,154*	*727*	*1,777*	*1,722*	*55*	*3.2*	*3.1*	*7.6*
Colored	*3,381*	*3,045*	*336*	*243*	*192*	*51*	*7.2*	*6.3*	*15.2*
Louisiana	42,890	39,923	2,967	2,243	1,923	320	5.2	4.8	10.8
White	*26,166*			*981*			*3.7*		
Colored	*16,724*			*1,262*			*7.5*		
Maine	16,199	15,742	457	578	458	20	3.6	3.5	4.4
Maryland	30,251	28,423	1,828	2,094	1,766	328	6.9	6.2	17.9
White	*23,854*	*23,384*	*470*	*1,555*	*1,271*	*84*	*5.7*	*5.4*	*17.9*
Colored	*6,417*	*5,059*	*1,358*	*739*	*495*	*244*	*11.5*	*9.8*	*18.0*
Michigan	99,325	97,164	2,161	3,670	3,549	121	3.7	3.7	5.6
Minnesota	47,418	46,425	993	1,384	1,335	49	2.9	2.9	4.9
Mississippi	48,163	44,798	3,365	2,340	1,995	345	4.9	4.5	10.3
White	*23,296*			*653*			*2.8*		
Colored	*24,867*			*1,687*			*6.8*		
Missouri	62,166	60,349	1,817	2,682	2,516	166	4.3	4.2	9.1
Montana	9,971	9,784	187	286	279	7	2.9	2.9	3.7
Nebraska	27,004	26,518	486	747	726	21	2.8	2.7	4.3
Nevada	1,332	1,313	19	38	38		2.9	2.9	
New Hampshire	8,342	8,199	143	348	333	15	4.2	4.1	10.5
New Jersey	68,321	67,118	1,203	2,594	2,508	86	3.8	3.7	7.1
New Mexico	12,115	11,701	414	370	347	23	3.1	3.0	5.6
New York	216,072	212,648	3,424	8,837	8,600	237	4.1	4.0	6.9
North Carolina	76,772	71,363	5,409	3,745	3,199	546	4.9	4.5	10.1
White	*53,462*	*52,140*	*1,322*	*1,805*	*1,737*	*68*	*3.4*	*3.3*	*5.1*
Colored	*23,310*	*19,223*	*4,087*	*1,940*	*1,462*	*478*	*8.3*	*7.6*	*11.7*
North Dakota	14,783	14,489	294	411	399	12	2.8	2.8	4.1
Ohio	118,260	115,735	2,525	4,257	4,060	197	3.6	3.5	7.8
Oklahoma	42,505	41,816	689	1,283	1,235	48	3.0	3.0	7.0
Oregon	13,468	13,269	199	384	375	9	2.9	2.8	4.5
Pennsylvania	189,458	183,945	5,513	6,861	6,495	366	3.6	3.5	6.6
Rhode Island	12,191	11,946	245	413	400	13	3.4	3.3	5.3
South Carolina	40,460	36,419	4,041	2,664	2,194	470	6.6	6.0	11.6
White	*20,057*	*19,654*	*403*	*734*	*708*	*26*	*3.7*	*3.6*	*6.5*
Colored	*20,403*	*16,765*	*3,638*	*1,930*	*1,486*	*444*	*9.5*	*8.9*	*12.2*
Tennessee	52,652	50,715	1,937	2,627	2,374	253	5.0	4.7	13.1
White	*44,546*	*43,695*	*851*	*1,818*	*1,746*	*72*	*4.1*	*4.0*	*8.5*
Colored	*8,106*	*7,020*	*1,086*	*809*	*628*	*181*	*10.0*	*8.9*	*16.7*
Utah	12,946	12,825	121	284	278	6	2.2	2.2	5.0
Vermont	6,934	6,729	205	195	186	9	2.8	2.8	4.4
Virginia	54,703	51,144	3,559	2,473	2,130	343	4.5	4.2	9.6
White	*38,972*			*1,253*			*3.2*		
Colored	*15,731*			*1,220*			*7.8*		
Washington	23,019	22,610	409	601	587	14	2.6	2.6	3.4
West Virginia	41,614	40,034	1,580	1,547	1,448	99	3.7	3.6	6.3
Wisconsin	56,788	55,664	1,124	1,698	1,646	52	3.0	3.0	4.6
Wyoming	4,471	4,424	47	134	132	12	3.0	3.0	4.3

[1] Stillbirths are excluded as in other tables.

[2] Exclusive of California and Massachusetts, which do not require a statement of legitimacy of child.

Source: Bureau of the Census, Department of Commerce.

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No. 74.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: NUMBER AND RATES, BY STATES, FOR THE BIRTH REGISTRATION AREA

NOTE.—See general note, p. 74. The 1930 data for white and colored for the total registration area and for cities and rural part are not yet available

Area	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1929	1930	1924	1925	1926	1927	1928	1929	1930
Total birth registration area	146,661	142,413	86	72	73	65	69	68	65
White	121,571	.....	82	68	70	61	64	63	.....
Colored	25,090	.....	132	111	113	100	106	102	.....
Cities (total)	67,497	67,900	91	73	74	65	69	66	63
White	57,942	.....	87	69	70	61	65	62	.....
Colored	9,555	.....	158	125	127	113	121	114	.....
Rural part	79,164	74,513	81	70	72	64	68	69	66
White	63,629	.....	76	67	69	60	63	64	.....
Colored	15,535	.....	118	101	101	92	99	96	.....
Alabama	4,630	4,599	(1)	(1)	(1)	64	75	74	72
White	*2,611*	*2,442*	(1)	(1)	(1)	*55*	*64*	*64*	*60*
Colored	*2,019*	*2,157*	(1)	(1)	(1)	*82*	*94*	*91*	*94*
Arizona	1,280	1,210	(1)	(1)	121	130	142	133	117
Arkansas	2,170	2,115	(1)	(1)	(1)	61	67	58	51
White	*1,580*	*1,605*	(1)	(1)	(1)	*56*	*61*	*55*	*50*
Colored	*590*	*512*	(1)	(1)	(1)	*77*	*86*	*69*	*56*
California	5,155	4,943	74	69	63	62	62	63	59
Colorado	1,640	1,775	(1)	(1)	(1)	(1)	89	91	94
Connecticut	1,754	1,551	92	73	72	59	59	64	56
Delaware	348	351	(1)	91	93	71	78	81	78
District of Columbia	629	664	91	87	85	68	65	71	71
White	*288*	*327*	*73*	*67*	*67*	*49*	*46*	*48*	*52*
Colored	*341*	*337*	*139*	*132*	*125*	*109*	*107*	*117*	*110*
Florida	1,759	1,733	(1)	74	75	67	67	66	64
White	*956*	*932*	(1)	*60*	*62*	*56*	*55*	*52*	*50*
Colored	*803*	*801*	(1)	*105*	*107*	*93*	*95*	*94*	*95*
Georgia	4,462	4,700	(1)	(1)	(1)	(1)	82	76	77
White	*2,341*	*2,441*	(1)	(1)	(1)	(1)	*68*	*66*	*65*
Colored	*2,121*	*2,259*	(1)	(1)	(1)	(1)	*104*	*93*	*97*
Idaho	487	524	(1)	(1)	63	50	59	55	57
Illinois	7,901	7,152	(1)	73	69	64	64	61	56
Indiana	3,742	3,423	82	68	72	59	63	64	58
Iowa	2,214	2,303	(1)	56	59	55	53	53	54
Kansas	1,879	1,772	73	62	65	55	59	58	53
Kentucky	4,009	3,876	73	70	75	61	70	71	65
White	*3,549*	*3,463*	*69*	*67*	*71*	*58*	*66*	*67*	*62*
Colored	*460*	*413*	*138*	*120*	*134*	*109*	*118*	*130*	*122*
Louisiana	3,120	3,352	(1)	(1)	(1)	77	78	74	78
White	*1,512*	*1,622*	(1)	(1)	(1)	*58*	*64*	*59*	*62*
Colored	*1,608*	*1,730*	(1)	(1)	(1)	*109*	*102*	*98*	*103*
Maine	1,228	1,227	102	76	80	60	73	77	76
Maryland	2,391	2,279	104	90	87	81	80	80	75
White	*1,622*	*1,502*	*90*	*76*	*74*	*68*	*67*	*69*	*63*
Colored	*769*	*777*	*184*	*146*	*157*	*134*	*128*	*120*	*121*
Massachusetts	4,576	4,426	91	73	73	65	64	62	60
Michigan	6,585	6,224	92	75	77	68	69	66	63
Minnesota	2,392	2,488	66	60	58	52	54	51	52
Mississippi	3,289	3,261	(1)	68	70	67	74	72	68
White	*1,286*	*1,189*	(1)	*53*	*59*	*55*	*61*	*58*	*51*
Colored	*2,003*	*2,072*	(1)	*85*	*81*	*78*	*86*	*85*	*85*
Missouri	3,800	3,645	(1)	(1)	(1)	60	66	62	59
Montana	643	563	(1)	71	77	66	61	64	58
Nebraska	1,374	1,333	64	58	59	51	53	52	49
Nevada	86	91	(1)	(1)	(1)	(1)	(1)	67	68
New Hampshire	557	512	88	76	79	69	69	68	61
New Jersey	4,108	3,858	(1)	69	70	61	65	60	56
New Mexico	1,651	1,761	(1)	(1)	(1)	(1)	(1)	146	145
New York	13,215	12,696	86	68	71	69	65	61	59
North Carolina	6,106	6,037	85	79	82	79	86	79	79
White	*3,546*	*3,586*	*73*	*67*	*71*	*66*	*75*	*67*	*67*
Colored	*2,560*	*2,451*	*113*	*105*	*107*	*109*	*109*	*107*	*105*
North Dakota	984	912	(1)	72	69	63	60	67	62
Ohio	8,017	7,177	83	70	76	62	66	69	61
Oklahoma	2,789	2,581	(1)	(1)	(1)	(1)	*69*	70	61
Oregon	634	673	62	51	53	48	47	48	50
Pennsylvania	13,367	12,892	97	82	82	69	72	71	68

[1] Not in the birth registration area.

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No. 74.—Deaths of Infants Under 1 Year of Age: Number and Rates by States, for the Birth Registration Area—Continued

Area	Number of infant deaths		Deaths of infants under 1 year of age per 1,000 births						
	1929	1930	1920	1925	1926	1927	1928	1929	1930
Rhode Island	885	753	(1)	73	82	67	67	72	62
South Carolina	3,591	3,589	116	(1)	(1)	(1)	97	91	89
White	*1,407*	*1,384*	*85*	(1)	(1)	(1)	*78*	*72*	*69*
Colored	*2,184*	*2,205*	*148*	(1)	(1)	(1)	*115*	*110*	*108*
Tennessee	3,901	3,988	(1)	(1)	(1)	71	81	77	76
White	*2,960*	*3,057*	(1)	(1)	(1)	*64*	*78*	*70*	*69*
Colored	*951*	*931*	(1)	(1)	(1)	*107*	*121*	*117*	*115*
Utah	732	743	71	56	75	54	59	59	57
Vermont	443	449	96	72	72	70	65	66	65
Virginia	4,251	4,226	84	81	84	75	76	79	77
White	*2,555*	*2,539*	*72*	*68*	*72*	*62*	*64*	*67*	*65*
Colored	*1,696*	*1,687*	*110*	*111*	*111*	*106*	*105*	*107*	*107*
Washington	1,110	1,122	66	56	56	50	48	49	49
West Virginia	3,157	3,371	(1)	80	82	72	70	78	81
Wisconsin	3,309	3,163	77	67	69	59	61	60	58
Wyoming	311	310	(1)	64	76	69	68	70	69
Hawaii [2]	1,134	890	(1)	(1)	(1)	(1)	(1)	101	82
Virgin Islands [2]	72	71	(1)	142	119	210	215	145	120
Total for area having birth registration in 1917 [3]	80,292	76,947	86	73	75	65	68	66	63

[1] Not in the birth registration area.
[2] Not included in the total.
[3] Exclusive of Rhode Island.

No. 75.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: Rates per 1,000 Births, by Principal Causes, for the Birth Registration Area

Note.—See general note, p. 74

Cause of death	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area as of 1917 (exclusive of Rhode Island)				
	1920	1925	1926	1927	1928	1929	1930	1920	1925	1928	1929	1930
All causes under 1 year of age	85.8	71.7	73.6	64.6	68.7	67.6	64.6	86.1	72.8	67.7	66.4	63.1
Measles	1.0	.3	1.1	.4	.6	.3	.4	1.0	.4	.7	.3	.3
Scarlet fever	.1	.1	.1	.1	.1	.1	.1	.1	.1	(1)	.1	.1
Whooping cough	3.0	1.8	2.3	1.9	1.6	1.9	1.5	3.0	1.6	1.4	1.7	1.4
Diphtheria [2]	.5	.3	.2	.2	.3	.2	.2	.5	.3	.2	.2	.2
Influenza and pneumonia (lobar and unspecified)	5.9	4.4	5.3	3.7	5.6	5.9	3.8	5.7	4.4	4.9	5.4	3.6
Dysentery	.4	.3	.3	.3	.3	.3	.4	.3	.3	.2	.2	.3
Erysipelas	.4	.3	.4	.4	.3	.4	.3	.4	.4	.3	.4	.4
Tetanus	.1	.1	.1	.1	.1	.1	.1	.1	(1)	.1	(1)	(1)
Tuberculosis (all forms)	1.0	.6	.6	.6	.5	.4	.5	1.0	.7	.6	.5	.5
Syphilis	.9	.7	.6	.7	.8	.8	.8	.8	.7	.7	.7	.7
Convulsions	1.0	.7	.6	.5	.5	.4	.4	1.0	.7	.5	.4	.4
Bronchitis and broncho-pneumonia	9.6	7.7	8.8	6.4	7.3	7.0	6.8	10.1	8.0	8.1	7.5	7.2
Diseases of the stomach [3]	1.2	.6	.5	.5	.5	.4	.3	1.1	.6	.4	.4	.3
Diarrhea and enteritis [4]	14.9	11.2	9.7	7.8	7.7	7.1	7.8	15.2	11.2	7.4	6.9	7.5
Congenital malformations	6.2	6.2	6.2	5.6	5.4	5.5	5.3	6.4	6.3	6.1	6.2	5.9
Congenital debility and other diseases of early infancy	7.7	5.9	5.5	4.8	5.0	4.7	4.7	7.7	6.1	5.0	4.7	4.7
Premature birth	19.4	17.2	17.7	16.8	17.6	17.5	16.7	19.1	17.6	17.8	17.6	16.8
Injury at birth	3.7	4.9	4.9	4.8	4.7	4.8	4.8	3.9	4.9	5.1	5.1	5.3
External causes	1.0	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	.9	.9	.9
Unknown or ill-defined diseases	2.5	2.2	2.3	3.1	3.7	3.8	4.0	2.5	2.0	2.1	2.0	2.0
All other causes	5.4	5.2	5.1	4.9	5.0	5.0	4.6	5.3	5.4	5.2	5.2	4.7

[1] Less than one-tenth of 1 per 1,000 births.
[2] Includes croup in 1920.
[3] Excludes ulcer of the duodenum in 1920.
[4] Includes ulcer of the duodenum in 1920.

Source of Tables 74 and 75: Bureau of the Census, Department of Commerce.

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No. 76.—DEATHS OF INFANTS UNDER 1 YEAR OF AGE: RATES PER 1,000 BIRTHS ACCORDING TO AGE SUBDIVISIONS, FOR THE ENTIRE BIRTH REGISTRATION AREA AND FOR THE REGISTRATION AREA OF 1917 [1]

NOTE.—See general note, p. 74

Age	Deaths under 1 year of age per 1,000 births											
	Entire registration area							Registration area as of 1917 [1]				
	1920	1925	1926	1927	1928	1929	1930	1920	1925	1928	1929	1930
Total under 1 year	85.8	71.7	73.3	64.6	68.7	67.6	64.6	86.1	72.8	67.7	66.4	63.1
Under 1 day	14.8	15.0	15.2	15.1	15.3	15.3	15.0	14.8	15.0	15.2	15.2	14.9
1 day	4.6	4.2	4.2	4.1	4.4	4.4	4.2	4.6	4.3	4.4	4.4	4.2
2 days	3.4	3.2	3.2	3.0	3.1	3.0	2.9	3.4	3.2	3.2	3.1	2.9
3 to 6 days	6.4	5.8	5.7	5.3	5.4	5.3	5.1	6.4	5.9	5.3	5.3	5.0
1 week	5.4	4.4	4.3	3.9	4.1	3.9	3.9	5.4	4.5	3.9	3.8	3.8
2 weeks	3.8	2.9	3.0	2.6	2.6	2.6	2.5	3.8	3.0	2.6	2.6	2.5
3 weeks	3.1	2.3	2.4	2.2	2.3	2.3	2.1	3.1	2.4	2.3	2.2	2.1
Under 1 month	41.5	37.3	37.9	36.1	37.2	36.9	35.7	41.5	38.3	36.9	36.5	35.4
1 month	7.3	5.8	6.0	5.1	5.5	5.6	5.3	7.2	5.9	5.3	5.3	5.1
2 months	5.7	4.6	4.7	4.0	4.4	4.3	4.2	5.7	4.7	4.3	4.2	4.1
3 to 5 months	13.1	10.3	10.4	8.6	9.3	9.2	8.8	13.2	10.5	9.2	9.1	8.4
6 to 8 months	10.0	7.5	7.9	6.1	6.9	6.5	6.2	10.1	7.5	6.7	6.4	5.9
9 to 11 months	8.3	5.8	6.5	4.7	5.4	5.1	4.6	8.5	5.9	5.3	4.9	4.3

[1] Exclusive of Rhode Island.

Source: Bureau of the Census, Department of Commerce.

No. 77.—HOMICIDES AND SUICIDES: NUMBER AND RATE IN CITIES HAVING 100,000 POPULATION OR MORE IN 1900

Year	Estimated population, July 1	Homicides		Suicides	
		Number	Rate per 100,000 population	Number	Rate per 100,000 population
1900	14,133,877	481	3.4	2,099	14.9
1902	14,899,699	567	3.8	2,487	16.7
1903	15,286,581	636	4.2	2,758	18.0
1904	15,670,701	723	4.6	2,998	19.1
1905	16,104,214	983	6.1	3,126	19.4
1906	16,594,107	1,189	7.2	2,984	18.0
1907	17,072,832	1,455	8.5	3,319	19.4
1908	17,541,214	1,401	8.0	3,957	22.6
1909	18,018,210	1,252	6.9	3,772	20.9
1910	18,522,956	1,479	8.0	3,743	20.2
1911	18,958,147	1,505	7.9	3,880	20.5
1912	19,413,308	1,504	7.7	3,868	19.9
1913	19,847,428	1,702	8.6	3,957	19.9
1914	20,273,425	1,715	8.5	4,351	21.6
1915	20,729,640	1,698	8.2	4,455	21.5
1916 [1]	21,021,720	1,786	8.5	3,892	18.5
1917	21,616,460	2,061	9.5	3,816	17.7
1918	22,038,899	1,865	8.5	3,351	15.2
1919	22,563,206	2,006	8.9	3,229	14.3
1920	23,009,576	1,930	8.4	2,910	12.6
1921	23,462,846	2,168	9.2	3,731	15.9
1922	23,935,903	2,211	9.2	3,626	15.1
1923	24,410,880	2,435	10.0	3,692	15.1
1924	24,866,783	2,682	10.8	3,855	15.5
1925	25,339,416	2,808	11.1	4,000	15.8
1926	25,830,606	2,715	10.5	4,264	16.5
1927	26,337,938	2,771	10.5	4,492	17.1
1928	26,815,069	2,748	10.2	4,799	17.9
1929	27,282,708	2,674	9.8	4,996	18.3
1930	27,789,074	2,866	10.3	5,587	20.1

[1] Excludes Memphis, Tenn.

Source: Bureau of the Census, Department of Commerce.

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No. 78.—BIRTH AND DEATH REGISTRATION: States Included in Registration Area with Year When Each Was Added

Death registration States				Birth registration States			
State	Year	State	Year	State	Year	State	Year
Massachusetts	1880	Kentucky	1911	Connecticut	1915	Nebraska	1920
New Jersey	1880	Missouri	1911	Maine	1915	Delaware	1921
Dist. of Col.	1880	Virginia	1913	Massachusetts	1915	Mississippi	1921
Connecticut	1880	Kansas	1914	Michigan	1915	New Jersey	1921
Delaware [1]	1880	South Carolina	1916	Minnesota	1915	Illinois	1921
New Hampshire	1890	Tennessee	1917	New Hampshire	1915	Montana	1922
New York	1890	Illinois	1918	New York	1915	Wyoming	1922
Rhode Island	1890	Louisiana	1918	Pennsylvania	1915	Florida	1922
Vermont	1890	Oregon	1918	Rhode Island [5]	1915	Iowa	1924
Maine	1900	Florida	1919	Vermont	1915	North Dakota	1924
Michigan	1900	Mississippi	1920	Dist. of Col.	1916	West Virginia	1925
Indiana	1900	Nebraska	1920	Maryland	1916	Arizona	1926
California	1906	Georgia [4]	1922	Indiana	1917	Idaho	1926
Colorado	1906	Idaho	1922	Kansas	1917	Alabama	1927
Maryland	1906	Wyoming	1922	Kentucky	1917	Arkansas	1927
Pennsylvania	1906	Iowa	1923	North Carolina	1917	Louisiana	1927
South Dakota [3]	1906	North Dakota	1924	Ohio	1917	Missouri	1927
Washington	1908	Alabama	1925	Utah	1917	Tennessee	1927
Wisconsin	1908	West Virginia	1925	Virginia	1917	Colorado	1928
Ohio	1909	Arizona	1926	Washington	1917	Georgia	1928
Minnesota	1910	Arkansas	1927	Wisconsin	1917	Oklahoma	1928
Montana	1910	Oklahoma	1928	California	1919	Nevada	1929
North Carolina [3]	1910	Nevada	1929	Oregon	1919	New Mexico	1929
Utah	1910	New Mexico	1929	South Carolina [6]	1919		

[1] Dropped from the area in 1900; readmitted in 1919.
[2] Dropped from the area in 1910; readmitted in 1930.
[3] Included only municipalities having a population of 1,000 or more in 1900; remainder added in 1916.
[4] In 1925, State registration law declared unconstitutional; readmitted in 1928.
[5] Dropped from area in 1919; readmitted in 1921. [6] Dropped from area in 1925; readmitted in 1928.

Note.—The Territory of Hawaii was added to the death registration area in 1917 and to the birth registration area in 1929; the Virgin Islands to both the death and the birth registration areas in 1924.

No. 79.—MARRIAGES, DIVORCES, AND ANNULMENTS: Number and Ratio of Divorces to Marriages, Continental United States

Calendar year	Marriages, number	Divorces					Number of divorces per 1,000 marriages	Number of annulments [1]
		Total number	Granted to husband		Granted to wife			
			Number	Per cent	Number	Per cent		
1890	542,537	33,461	11,625	34.7	21,836	65.3	62	.....
1891	562,412	35,540	12,478	35.1	23,062	64.9	63	.....
1892	577,870	36,579	12,577	34.4	24,002	65.6	63	.....
1893	578,673	37,468	12,590	33.6	24,878	66.4	65	.....
1894	566,161	37,568	12,551	33.4	25,017	66.6	66	.....
1895	598,855	40,387	13,456	33.3	26,931	66.7	67	.....
1896	613,873	42,937	14,448	33.6	28,489	66.4	70	.....
1897	622,350	44,699	14,765	33.0	29,934	67.0	72	.....
1898	625,655	47,849	15,988	33.4	31,861	66.6	76	.....
1899	650,610	51,437	16,925	32.9	34,512	67.1	79	.....
1900	685,284	55,751	18,620	33.4	37,131	66.6	81	.....
1901	716,621	60,984	20,008	32.8	40,976	67.2	85	.....
1902	746,733	61,480	20,056	32.6	41,424	67.4	82	.....
1903	786,132	64,925	21,321	32.8	43,604	67.2	83	.....
1904	781,145	66,199	22,189	33.5	44,010	66.5	85	.....
1905	804,787	67,976	22,220	32.7	45,756	67.3	84	.....
1906	853,290	72,062	23,455	32.5	48,607	67.5	84	.....
1916	1,040,684	[2] 112,036	33,809	31.1	74,893	68.9	108	.....
1922	1,134,151	[2] 148,815	47,359	32.0	100,416	68.0	131	.....
1923	1,229,784	[2] 165,096	52,999	32.2	111,480	67.8	134	.....
1924	1,184,574	[2] 170,952	52,984	31.5	115,328	68.5	144	.....
1925	1,188,334	[2] 175,449	52,147	30.1	121,333	69.9	148	.....
1926	1,202,574	[2] 180,853	52,834	29.5	126,563	70.5	150	3,825
1927	1,201,053	[2] 192,037	54,637	29.0	134,048	71.0	160	4,252
1928	1,182,497	[2] 195,939	55,065	28.6	137,277	71.4	166	4,237
1929	1,232,559	[2] 201,468	57,148	28.7	142,187	71.3	163	4,408
1930	1,128,280	[2] 191,591	52,554	27.7	137,309	72.3	170	4,370

[1] Statistics for annulments were collected for the first time in 1926.
[2] Includes divorces for which the libellant was not reported. Percentages, however, are based on the total number for which libellant was reported.

Source of Tables 78 and 79: Bureau of the Census, Department of Commerce.

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No. 80.—MARRIAGES, DIVORCES, AND ANNULMENTS: BY STATES

Division and State	Marriages				Divorces				Number of divorces per 1,000 marriages		Number of annulments, 1930
	Number		Per 1,000 of the population [1]		Number		Per 1,000 of the population [1]				
	1929	1930	1929	1930	1929	1930	1929	1930	1929	1930	
Continental U. S.	1,232,559	1,128,280	10.1	9.2	201,468	191,591	1.66	1.56	163	170	4,370
New England	62,279	57,520	7.7	7.0	7,881	8,248	.97	1.01	127	143	88
Maine	6,195	6,438	7.8	8.1	1,261	1,476	1.59	1.85	204	229	9
New Hampshire	5,171	5,142	11.2	11.0	691	639	1.49	1.37	134	124	6
Vermont	2,712	2,633	7.6	7.3	406	371	1.13	1.03	150	141	1
Massachusetts	30,568	27,431	7.2	6.4	3,552	3,991	.84	.87	116	135	59
Rhode Island	5,330	4,816	7.8	7.0	751	748	1.10	1.08	141	155	
Connecticut	12,303	11,060	7.7	6.9	1,220	1,323	.77	.82	99	120	13
Middle Atlantic	222,299	211,149	8.6	8.0	16,010	15,713	.62	.60	72	74	1,143
New York	121,535	167,880	9.8	9.3	5,143	4,801	.41	.38	42	41	1,030
New Jersey	30,257	28,499	7.6	7.0	3,001	2,891	.75	.71	99	101	64
Pennsylvania	70,507	64,770	7.4	6.7	7,866	8,021	.82	.83	112	124	49
East North Central	248,370	219,584	9.9	8.6	53,376	50,091	2.15	1.97	217	228	511
Ohio	65,679	60,312	10.0	9.0	15,313	14,198	2.33	2.13	233	235	69
Indiana	43,800	38,611	13.6	11.9	8,153	7,420	2.54	2.29	186	192	96
Illinois	84,092	75,961	11.1	9.9	15,758	15,432	2.09	2.01	187	203	203
Michigan	36,816	29,482	7.7	6.1	11,981	10,535	2.52	2.16	325	357	97
Wisconsin	17,983	15,218	6.2	5.2	2,671	2,506	.92	.85	149	165	46
West North Central	126,406	118,512	9.6	8.9	24,268	23,311	1.83	1.75	192	197	219
Minnesota	24,109	22,697	9.5	8.8	2,859	2,855	1.12	1.11	119	126	20
Iowa	21,935	20,642	8.9	8.3	4,402	4,319	1.79	1.75	201	209	35
Missouri	38,263	34,705	10.6	9.5	9,813	9,214	2.72	2.53	256	265	49
North Dakota	4,155	3,794	6.1	5.6	561	466	.83	.68	135	123	7
South Dakota	6,701	6,489	9.7	9.4	778	728	1.13	1.05	116	112	6
Nebraska	10,202	10,248	7.4	7.4	1,728	1,635	1.26	1.18	169	160	72
Kansas	21,041	19,937	11.2	10.6	4,127	4,094	2.20	2.17	196	205	30
South Atlantic	171,553	160,748	11.0	10.1	15,370	14,981	.98	.95	90	93	199
Delaware	1,230	1,126	5.2	4.7	174	211	.73	.88	141	187	2
Maryland	25,124	24,592	15.5	15.0	2,111	2,045	1.30	1.25	84	83	16
Dist. of Columbia	5,634	5,346	11.7	11.0	115	93	.24	.19	20	17	21
Virginia	23,570	23,871	9.8	9.8	3,054	3,261	1.27	1.34	130	137	19
West Virginia	19,219	17,739	11.2	10.2	1,995	1,864	1.17	1.07	104	105	40
North Carolina	18,746	14,573	6.0	4.6	1,707	1,537	.55	.48	91	105	27
South Carolina [2]	27,298	26,017	15.7	15.0							13
Georgia	32,534	30,335	11.2	10.4	2,441	2,338	.84	.80	75	77	40
Florida	18,198	17,147	12.7	11.6	3,773	3,632	2.64	2.45	207	212	21
East South Central	119,811	105,238	12.2	10.6	16,521	15,283	1.68	1.54	138	145	62
Kentucky	30,474	31,116	11.7	11.9	4,593	4,337	1.77	1.66	151	139	28
Tennessee	28,412	20,807	10.9	7.9	5,180	4,986	2.00	1.90	182	240	19
Alabama	29,430	27,587	11.2	10.4	3,589	3,224	1.37	1.21	122	117	7
Mississippi	31,495	25,728	15.8	12.8	3,159	2,736	1.58	1.36	100	106	8
West South Central	150,014	127,805	12.5	10.5	33,729	30,395	2.80	2.49	225	238	357
Arkansas	30,323	25,134	16.4	13.5	4,928	4,169	2.67	2.25	163	166	19
Louisiana	20,729	20,930	10.0	9.9	2,166	1,833	1.04	.87	104	88	24
Oklahoma	35,789	36,567	15.1	15.2	8,252	7,748	3.48	3.22	231	212	173
Texas	63,173	45,174	11.0	7.7	18,383	16,645	3.20	2.84	291	368	141
Mountain	52,033	51,622	14.2	13.9	11,051	10,762	3.01	2.90	212	208	227
Montana	6,115	5,445	11.8	10.1	1,492	1,339	2.77	2.49	244	246	31
Idaho	4,779	4,497	10.8	10.1	1,036	997	2.33	2.24	217	222	18
Wyoming	1,941	1,772	8.7	7.8	704	650	3.15	2.88	363	367	12
Colorado	13,047	11,733	12.7	11.3	2,392	2,245	2.33	2.16	183	191	67
New Mexico	6,727	8,711	16.1	20.5	798	770	1.91	1.81	119	88	9
Arizona	7,405	7,715	17.3	17.6	1,084	1,136	2.53	2.59	146	147	38
Utah	6,286	5,649	12.5	11.1	1,012	1,016	2.01	2.00	161	180	14
Nevada	5,733	6,100	63.7	67.0	2,533	2,609	28.13	28.67	442	428	38
Pacific	79,794	76,104	10.0	9.2	22,762	22,807	2.84	2.76	285	300	1,564
Washington	19,685	18,274	12.7	11.7	4,484	4,379	2.90	2.79	228	240	63
Oregon	8,243	7,676	8.8	8.0	3,179	2,825	3.38	2.95	386	368	25
California	51,866	50,154	9.4	8.7	15,099	15,603	2.74	2.72	291	311	1,476

[1] Based on estimated population for the given year.
[2] No divorces are granted in South Carolina.

Source: Bureau of the Census, Department of Commerce.

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4. IMMIGRATION AND EMIGRATION

In compiling imigrmation statistics for the United States, Alaska, Hawaii, and Puerto Rico, beginning 1904, 1901, and 1902, respectively, were included. In prior years the transfer of population between them and the United States was considered immigration

No. 81.—IMMIGRATION: 1821 TO 1931

NOTE.—For 1821 to 1867 the figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; for 1907 to date, immigrant aliens admitted. Data are for fiscal years ended June 30 except as noted; for periods they are totals, not annual averages

Period or year	Number	Year	Number	Year	Number	Year	Number
1821–1830 [1]	143, 439	1878	138, 469	1900	448, 572	1922	309, 556
1831–1840 [2]	599, 125	1879	177, 826	1901	487, 918	1923	522, 919
1841–1850 [2]	1, 713, 251	1880	457, 257	1902	648, 743	1924	706, 896
1851–1860 [2]	2, 598, 214	1881	669, 431	1903	857, 046	1925	294, 314
1861–1870 [4]	2, 314, 824	1882	788, 992	1904	812, 870	1926	304, 488
1871–1880	2, 812, 191	1883	603, 322	1905	1, 026, 499	1927	335, 175
1881–1890	5, 246, 613	1884	518, 592	1906	1, 100, 735	1928	307, 255
1891–1900	3, 687, 564	1885	395, 346	1907	1, 285, 349	1929	279, 678
1901–1910	8, 795, 386	1886	334, 203	1908	782, 870	1930	241, 700
1911–1920	5, 735, 811	1887	490, 109	1909	751, 786	1931	97, 139
1921–1930	4, 107, 209	1888	546, 889	1910	1, 041, 570	Calendar years:	
1900–1904	3, 255, 149	1889	444, 427	1911	878, 587	1928	290, 297
1905–1909	4, 947, 239	1890	455, 302	1912	838, 172	1929	268, 941
1910–1914	5, 174, 701	1891	560, 319	1913	1, 197, 892	1930	180, 251
1915–1919	1, 172, 679	1892	579, 663	1914	1, 218, 480	1931	43, 353
1920–1924	2, 774, 600	1893	439, 730	1915	326, 700		
1925–1929	1, 520, 910	1894	285, 631	1916	298, 826		
1873	459, 803	1895	258, 536	1917	295, 403		
1874	313, 339	1896	343, 267	1918	110, 618		
1875	227, 498	1897	230, 832	1919	141, 132		
1876	169, 986	1898	229, 299	1920	430, 001		
1877	141, 857	1899	311, 715	1921	805, 228		

[1] Oct. 1, 1820, to Sept. 30, 1830.
[2] Oct. 1, 1830, to Dec. 31, 1840.
[3] Calendar years.
[4] Jan. 1, 1861, to June 30, 1870.

No. 82.—ADMISSIONS AND DEPARTURES OF ALIENS

Period or year ended—	Admitted			Departed			Excess of admissions over departures [1]	
	Immigrant	Nonimmigrant	Total	Emigrant	Nonemigrant	Total	Immigrant over emigrant	Total
June 30:								
1910–1914, total	5, 174, 701	901, 099	6, 075, 800	1, 442, 892	1, 316, 762	2, 759, 654	3, 731, 809	3, 316, 146
1915–1919, total	1, 172, 679	440, 064	1, 612, 743	618, 223	562, 636	1, 180, 859	554, 456	431, 884
1920–1924, total	2, 774, 600	810, 352	3, 584, 952	892, 984	723, 824	1, 616, 808	1, 881, 616	1, 968, 144
1925–1929, total	1, 520, 910	951, 590	2, 472, 500	389, 746	843, 861	1, 233, 607	1, 131, 164	1, 238, 893
1910	1, 041, 570	156, 467	1, 198, 037	202, 436	177, 982	380, 418	839, 134	817, 619
1911	878, 587	151, 713	1, 030, 300	295, 666	222, 549	518, 215	582, 921	512, 085
1912	838, 172	178, 983	1, 017, 155	333, 262	282, 030	615, 292	504, 910	401, 863
1913	1, 197, 892	229, 335	1, 427, 227	308, 190	303, 734	611, 924	889, 702	815, 303
1914	1, 218, 480	184, 601	1, 403, 081	303, 338	330, 467	633, 805	915, 142	769, 276
1915	326, 700	107, 544	434, 244	204, 074	180, 100	384, 174	122, 626	50, 070
1916	298, 826	67, 922	366, 748	129, 765	111, 042	240, 807	169, 061	125, 941
1917	295, 403	67, 474	362, 877	66, 277	80, 102	146, 379	229, 126	216, 498
1918	110, 618	101, 235	211, 853	94, 585	98, 683	193, 268	16, 033	18, 585
1919	141, 132	95, 889	237, 021	123, 522	92, 709	216, 231	17, 610	20, 790
1920	430, 001	191, 575	621, 576	288, 315	139, 747	428, 062	141, 686	193, 514
1921	805, 228	172, 935	978, 163	247, 718	178, 313	426, 031	557, 510	552, 132
1922	309, 556	122, 949	432, 505	198, 712	146, 672	345, 384	110, 844	87, 121
1923	522, 919	150, 487	673, 406	81, 450	119, 136	200, 586	441, 469	472, 820
1924	706, 896	172, 406	879, 302	76, 789	139, 956	216, 745	630, 107	662, 557
1925	294, 314	164, 121	458, 435	92, 728	132, 762	225, 490	201, 586	232, 945
1926	304, 488	191, 618	496, 106	76, 992	150, 763	227, 755	227, 496	268, 351
1927	335, 175	202, 826	538, 001	73, 366	180, 142	253, 508	261, 809	284, 493
1928	307, 255	193, 376	500, 631	77, 457	196, 899	274, 356	229, 798	226, 275
1929	279, 678	199, 649	479, 327	69, 203	183, 295	252, 498	210, 475	226, 829
1930	241, 700	204, 514	446, 214	50, 661	221, 764	272, 425	191, 039	173, 789
1931	97, 139	183, 540	280, 679	61, 882	229, 034	290, 916	35, 257	−10, 237
Dec. 31:								
1929	268, 941	204, 786	473, 727	53, 173	198, 442	251, 616	215, 768	222, 112
1930	180, 251	200, 718	380, 969	52, 930	238, 055	290, 985	127, 321	89, 984
1931	43, 353	156, 611	199, 964	89, 570	204, 868	294, 438	−46, 217	−94, 474

[1] Excess of departures indicated by a minus sign.

Source of Tables 81 and 82: Commissioner General of Immigration, Department of Labor.

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No. 83.—IMMIGRANT ALIENS ADMITTED AND ALIENS DEBARRED AND DEPORTED: YEARS ENDED JUNE 30

Period or year	Admitted	Debarred	Deported	Year	Admitted	Debarred	Deported
1900–1904, total	3,255,149	29,499	2,510	1921	805,228	13,779	4,517
1905–1909, total	4,947,239	58,688	6,709	1922	309,556	13,731	4,345
1910–1914, total	5,174,701	115,655	16,010	1923	522,919	20,619	3,661
1915–1919, total	1,172,679	74,929	11,835	1924	706,896	30,284	6,409
1920–1924, total	2,774,600	90,208	21,694	1925	294,314	25,390	9,495
1925–1929, total	1,520,910	102,661	56,594	1926	304,488	20,550	10,904
1915	326,700	24,111	2,564	1927	335,175	19,755	11,662
1916	298,826	18,867	2,781	1928	307,255	18,839	11,625
1917	295,403	16,028	1,853	1929	279,678	18,127	12,908
1918	110,618	7,297	1,569	1930	241,700	8,233	16,631
1919	141,132	8,626	3,068	1931	97,139	9,744	18,142
1920	430,001	11,795	2,762				

No. 84.—IMMIGRANT ALIENS ADMITTED: BY OCCUPATION, AMOUNT OF MONEY BROUGHT, ETC., YEARS ENDED JUNE 30

	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1929	1930	1931
Reporting occupations—							
Professional	62,124	41,308	79,309	53,953	10,138	9,888	4,773
Skilled	747,794	198,985	510,236	280,107	51,341	45,572	13,549
Unskilled	2,882,435	417,805	954,418	505,119	88,127	69,758	20,630
Farmers	56,788	27,638	74,973	51,001	8,309	8,375	2,743
Farm laborers	1,257,060	82,251	111,583	101,120	19,849	13,736	3,422
Common laborers	953,421	188,192	466,575	194,587	26,192	16,447	4,503
Servants	604,967	115,010	288,109	149,447	31,841	29,073	9,740
Other unskilled	10,199	4,714	13,178	8,964	1,936	2,127	222
Commercial [1]	72,572	35,926	59,924	27,535	4,734	5,137	2,393
Miscellaneous	55,279	49,254	95,895	50,198	5,644	5,751	2,782
Bringing—							
Less than $50	3,222,314	480,506	954,147	549,474	94,943	67,872	25,138
$50 or more	674,931	378,449	822,386	598,087	115,434	122,177	49,981
Amount brought ($1,000)	171,406	84,870	171,467	111,743	21,428	21,877	10,771
Passage paid by—							
Self	3,460,555	708,655	1,569,835	863,541	158,276	135,776	50,039
Relative	1,657,869	429,701	1,123,827	632,616	117,592	103,099	44,013
Others	56,277	34,323	80,938	24,753	3,810	2,825	3,087
Going to join—							
Relative	4,169,633	758,897	2,132,479	1,140,502	216,839	199,841	78,870
Friend	706,468	173,946	277,995	146,595	28,490	25,808	10,412
No one	298,600	239,836	364,126	233,813	34,349	16,051	7,857

[1] Agents, bankers, hotel keepers, manufacturers, and merchants and dealers.

No. 85.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS DEPARTED, BY SEX AND AGE; AND ILLITERACY OF IMMIGRANTS: YEARS ENDED JUNE 30

	1900–1909, total	1910–1914, total	1915–1919, total	1920–1924, total	1925–1929, total	1929	1930	1931
Admissions, total	8,202,388	5,174,701	1,172,679	2,774,600	1,520,910	279,678	241,700	97,139
Males	5,710,052	3,442,917	688,881	1,577,496	836,091	142,132	117,026	40,621
Females	2,492,336	1,731,784	483,798	1,197,104	684,819	137,546	124,026	56,518
Males per 1,000 females	2,291	1,988	1,424	1,318	1,221	1,033	939	719
Under 16 years [1]	992,656	657,825	195,241	516,293	247,373	47,935	40,777	17,320
16 to 44 years [1]	6,803,052	4,229,546	853,348	2,003,466	1,135,903	207,990	177,059	67,100
45 years and over	406,680	287,330	124,090	254,841	137,634	23,753	23,864	12,719
Illiterates, number [2]	1,924,786	1,143,266	116,749	75,231	20,556	4,393	2,495	2,334
Per cent	23.5	22.1	10.0	2.7	1.4	1.6	1.0	2.4
Departures, total [3]		1,442,892	618,323	892,984	389,746	69,203	50,661	61,882
Males		1,163,750	495,643	682,170	278,709	46,533	32,565	40,857
Females		279,142	122,580	210,814	111,037	22,670	18,096	21,025
Males per 1,000 females		4,169	4,043	3,236	2,510	2,053	1,798	1,943
Under 16 years [1]		69,018	38,883	39,280	18,493	4,246	3,479	5,241
16 to 44 years [1]		1,217,753	488,282	635,980	285,680	48,956	34,199	41,640
45 years and over		156,121	91,058	217,724	85,573	16,001	12,983	15,001

[1] Prior to 1918 the division point is 14 years.
[2] Unable to read or write in any language.
[3] Not available prior to 1908.

Source of Tables 83, 84, and 85: Commissioner General of Immigration, Department of Labor.

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No. 86.—IMMIGRATION, BY COUNTRY OF LAST PERMANENT RESIDENCE, 1841 TO 1930

NOTE.—For 1841 to 1867 figures represent alien passengers arriving; for 1868 to 1903, immigrants arriving; for 1904 to 1906, aliens admitted; thereafter, immigrant aliens admitted. Owing to changes in the lists of countries separately reported and to changes in boundaries, data for certain countries are not comparable throughout. Countries added to the list since the beginning of the World War were theretofore included with the countries to which they belonged. Data are *totals* (not annual averages) for periods ended June 30 since 1870, Dec. 31 theretofore, except as noted

Country	1841–1850	1851–1860	1861–1870 [1]	1871–1880	1881–1890	1891–1900	1901–1910	1911–1920	1921–1930
Grand total	**1,713,251**	**2,598,214**	**2,314,824**	**2,812,191**	**5,246,613**	**3,687,564**	**8,795,386**	**5,735,811**	**4,107,209**
Total Europe	**1,597,501**	**2,452,660**	**2,065,270**	**2,272,262**	**4,737,046**	**3,558,978**	**8,136,016**	**4,376,564**	**2,477,353**
Austria	}		7,800	72,969	353,719	592,707	2,145,266	{ 453,649	32,868
Hungary								{ 442,693	30,680
Belgium	5,074	4,738	6,734	7,221	20,177	18,167	41,635	33,746	15,846
Bulgaria [2]						160	39,290	22,533	2,945
Czechoslovakia								3,426	102,194
Denmark	539	3,749	17,094	31,771	88,132	50,231	65,285	41,983	32,430
Finland								756	16,691
France	77,262	76,358	35,986	72,206	50,464	30,770	73,379	61,897	49,610
Germany	434,626	951,667	787,468	718,182	1,452,970	505,152	341,498	143,945	412,202
Greece	16	31	72	210	2,308	15,979	167,519	184,201	51,084
Italy	1,870	9,231	11,725	55,759	307,309	651,893	2,045,877	1,109,524	455,315
Netherlands	8,251	10,789	9,102	16,541	53,701	26,758	48,262	43,718	26,948
Norway	}			{ 95,323	176,586	95,015	190,505	66,395	68,531
Sweden	} 13,903	20,931	109,298	115,922	391,776	226,266	249,534	95,074	97,249
Poland [3]	105	1,164	2,027	12,970	51,806	96,720		4,813	227,734
Rumania				11	6,348	12,750	53,008	13,311	67,646
Russia	551	457	2,512	39,284	213,282	505,290	1,597,306	921,201	61,742
Spain	2,209	9,298	6,697	5,266	4,419	8,731	27,935	68,611	28,958
Portugal	550	1,055	2,658	14,082	16,978	27,508	69,149	89,732	29,994
Switzerland	4,644	25,011	23,286	28,293	81,988	31,179	34,922	23,091	29,676
Turkey in Europe	59	83	129	337	1,562	3,626	79,976	54,677	14,659
United Kingdom	1,047,763	1,338,093	1,042,674	984,914	1,462,839	659,954	865,015	487,589	[4] 550,804
England	32,092	247,125	222,277	437,706	644,680	216,726	388,017	249,944	157,420
Ireland	780,719	914,119	435,778	436,871	655,482	388,416	339,065	146,181	220,591
Scotland	3,712	38,331	38,769	87,564	149,869	44,188	120,469	78,357	159,781
Wales	1,261	6,319	4,313	6,631	12,640	10,557	17,464	13,107	13,012
Not specified	229,979	132,199	341,537	16,142	168	67			
Yugoslavia								1,888	49,064
Other Europe	79	5	8	1,001	682	122	665	8,111	22,983
Total Asia [5]	**82**	**41,455**	**64,630**	**123,823**	**68,380**	**71,286**	**943,567**	**192,559**	**97,400**
China [5]	35	41,397	64,301	123,201	61,711	14,799	20,605	21,278	29,907
Japan [6]			186	149	2,270	25,942	129,797	83,837	33,462
Turkey in Asia [6]			2	67	2,220	26,799	77,393	79,389	19,165
Other Asia [5]	47	58	141	406	2,179	3,696	15,772	8,055	14,866
Total America [7]	**62,469**	**74,730**	**166,607**	**404,044**	**426,967**	**38,972**	**361,888**	**1,143,671**	**1,516,716**
Canada and Newfoundland [7]	41,723	59,309	153,878	383,640	393,304	3,311	179,226	742,185	924,515
Mexico [7]	3,271	3,078	2,191	5,162	1,913	971	49,642	219,004	459,287
Central America [8]	368	449	95	157	404	549	8,192	17,159	15,769
South America [8]	3,579	1,224	1,397	1,128	2,304	1,075	17,280	41,899	42,215
West Indies [8]	13,528	10,660	9,046	13,957	29,042	33,066	107,548	123,424	74,899
Other America									31
Africa [8]	55	210	312	358	857	350	7,368	8,443	6,286
Australia, Tasmania and New Zealand			36	9,886	7,017	2,740	11,975	12,348	8,299
Pacific Islands (not specified)				1,028	5,557	1,225	1,049	1,079	427
All other countries	53,144	29,169	17,969	790	789	14,063	33,523	1,147	228

[1] Jan. 1, 1861, to June 30, 1870.
[2] Includes Serbia and Montenegro, prior to 1920.
[3] From 1899 to 1919 Poland is included with Austria-Hungary, Germany, and Russia.
[4] Includes Irish Free State.
[5] Included in "All other countries" in 1892.
[6] Included in "All other countries" in 1892; in "Other Asia" in 1893 and 1894.
[7] Immigrants from Canada, Newfoundland, and Mexico not reported from 1886 to 1893, inclusive.
[8] Included in "All other countries" in 1892 and 1893.

Source: Reports of the Commissioner General of Immigration, Department of Labor.

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No. 87.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Residence for a year or more is regarded as permanent residence. Excess of departures

Country	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
All countries, total.	5,174,701	1,442,892	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
Europe, total	4,524,169	1,176,037	3,348,132	1,787,303	758,619	1,028,684	789,407	294,972	494,435
Albania				[1] 250	[1] 284	[1] —34	1,072	1,062	10
Austria	575,852	181,494	394,358	25,842	4,716	21,126	5,550	2,447	3,103
Hungary	553,801	174,362	379,439	25,262	32,110	—6,848	4,237	4,268	—31
Belgium	28,450	4,727	23,723	17,936	5,668	12,268	3,575	2,455	1,120
Bulgaria	24,821	20,514	4,307	1,914	7,559	—5,645	910	614	296
Czechoslovakia				84,245	38,087	46,158	16,937	11,059	5,878
Denmark	33,470	2,804	30,666	21,910	4,110	17,800	12,496	2,815	9,681
Estonia				[1] 765	[1] 11	[1] 754	679	81	598
Finland				14,624	5,794	8,830	2,288	2,570	—278
France	43,004	17,003	26,001	33,484	12,816	20,668	21,358	7,677	13,681
Germany	161,195	27,938	133,257	149,103	15,401	133,702	237,531	25,277	212,254
Greece	132,212	70,708	61,504	52,144	51,481	663	8,630	19,065	—10,435
Irish Free State [2]							120,188	5,388	114,800
Italy	1,104,833	405,723	699,110	460,644	236,985	223,659	67,489	94,525	—27,036
Latvia				[1] 1,473	[1] 67	[1] 1,406	1,556	202	1,354
Lithuania				[1] 2,369	[1] 335	[1] 2,034	3,034	1,809	1,225
Netherlands	35,734	2,777	32,957	20,603	3,553	17,050	8,794	2,558	6,236
Norway	57,079	9,245	47,834	40,891	8,756	32,135	29,436	8,287	21,149
Poland				183,881	102,376	81,505	39,435	14,596	24,839
Portugal	51,902	8,477	43,425	41,779	21,749	20,021	3,059	12,150	—9,091
Rumania	12,851	2,331	10,520	61,083	36,863	24,220	6,727	5,805	922
Russia	1,054,608	153,470	901,138	54,692	26,575	28,117	6,912	1,699	5,213
Spain	28,631	8,723	19,908	45,077	20,124	24,953	2,032	11,767	—9,735
Sweden	89,215	9,340	79,875	57,383	9,934	47,949	42,119	5,645	36,474
Switzerland	18,811	2,817	15,994	21,480	3,825	17,655	10,292	2,853	7,439
Turkey in Europe	69,651	19,939	49,712	15,208	2,671	12,537	1,162	206	959
United Kingdom [3]	445,940	53,555	392,386	301,471	48,307	253,164	122,747	37,613	85,134
England	218,767	29,939	188,828	122,575	32,238	90,337	49,832	28,693	21,139
Ireland	137,416	13,346	124,064	81,456	10,472	70,984	5,093	811	4,282
Scotland	78,391	9,465	68,926	90,809	5,122	85,687	61,627	7,880	53,747
Wales	11,372	805	10,567	6,631	475	6,156	6,195	229	5,966
Yugoslavia				43,487	55,296	—11,809	5,728	10,182	—4,454
Other Europe	2,109	90	2,019	7,812	3,166	4,646	3,424	300	3,124
Asia, total	133,041	33,749	99,292	92,572	49,678	42,894	17,798	27,478	—9,680
China	9,800	12,157	—2,357	22,723	22,477	246	7,925	18,570	—10,645
Japan	30,564	10,692	19,872	38,636	18,016	20,620	3,421	5,655	—2,234
India	2,795	747	2,048	1,611	1,044	567	465	674	—209
Syria, Palestine, and Iraq.				[1] 2,946	[1] 492	[1] 2,454	4,530	1,725	2,805
Turkey in Asia	83,900	8,560	75,340	23,769	6,980	16,789	235	440	—205
Other Asia	4,982	593	4,389	2,887	669	2,218	1,222	414	808
America, total	508,682	229,926	276,754	883,989	81,042	802,947	708,219	64,298	643,986
Canada and Newfoundland.	329,316	195,872	133,444	526,853	22,980	503,873	422,433	13,655	408,778
Central America	6,423	1,984	4,439	8,859	3,377	5,482	7,652	3,442	4,210
Mexico	88,358	4,146	84,212	255,774	23,182	232,592	243,171	20,261	222,910
South America	18,306	6,318	11,988	25,902	7,331	18,471	17,223	7,419	9,804
West Indies	64,023	21,427	42,596	65,771	24,068	41,703	17,721	19,515	—1,804
Other America	256	181	75	930	104	826	29	1	28
Africa	5,985	1,161	4,824	3,917	672	3,245	2,445	701	1,744
Australia, Tasmania, New Zealand.	5,341	2,854	2,487	6,458	2,804	3,654	2,881	2,188	693
Pacific Islands, not specified.	483	163	320	361	169	192	160	114	46

[1] Figures for 1924 only. Data for prior years included with countries to which they formerly belonged.
[2] Included with United Kingdom prior to 1925.

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DEPARTED: BY COUNTRY OF LAST OR FUTURE PERMANENT RESIDENCE

indicated by minus sign (—). For totals for period 1915–1919, see Statistical Abstract, 1929, p. 96

Fiscal year ended June 30—						Calendar year				Country
1929		1930		1931		1930		1931		
Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	Admitted	Departed	
279,678	69,203	241,700	50,661	97,139	61,882	180,251	52,930	43,353	89,570	**All countries, total.**
158,598	47,281	147,438	29,538	61,909	33,135	117,608	31,367	25,625	44,047	**Europe, total.**
329	87	341	33	222	23	269	39	262	73	Albania.
1,256	446	1,744	301	738	270	1,353	265	355	389	Austria.
1,045	761	1,265	550	887	512	1,130	532	603	698	Hungary.
669	538	909	489	551	625	945	633	259	640	Belgium.
215	78	211	84	200	96	189	94	114	146	Bulgaria.
4,411	1,689	4,438	1,166	2,016	1,331	3,338	1,138	735	1,805	Czechoslovakia.
2,525	486	1,161	305	555	513	877	451	385	566	Denmark.
141	36	132	27	104	49	121	43	50	55	Estonia.
416	466	525	274	327	547	505	464	166	669	Finland.
4,428	1,794	3,713	1,978	1,830	1,978	3,039	1,942	1,029	2,356	France.
46,751	6,330	26,569	4,639	10,401	3,369	21,502	3,376	3,291	4,467	Germany.
2,266	1,736	2,291	733	1,763	753	2,205	869	994	1,143	Greece.
17,872	1,452	17,971	1,242	6,121	1,556	14,039	1,456	681	2,057	Irish Free State.
18,008	12,311	22,327	2,654	13,399	2,410	18,356	2,420	7,875	3,597	Italy.
334	39	370	33	227	115	329	55	89	123	Latvia.
625	257	612	169	403	349	531	305	286	390	Lithuania.
1,742	466	2,738	476	1,143	612	2,491	563	362	753	Netherlands.
5,977	963	2,649	1,085	1,280	1,437	2,143	1,337	586	1,616	Norway.
9,002	2,273	9,231	1,979	3,604	2,119	7,105	2,263	1,342	2,222	Poland.
623	1,919	637	255	542	204	582	165	449	553	Portugal.
1,707	718	1,726	508	933	504	1,306	415	582	742	Rumania.
934	314	1,133	256	335	433	681	344	311	1,154	Russia.
547	1,159	670	1,231	476	1,667	572	1,503	444	2,388	Spain.
8,877	975	3,109	1,113	1,298	1,583	2,512	1,450	541	2,173	Sweden.
2,140	580	1,689	465	864	411	1,436	425	329	613	Switzerland.
231	11	222	5	59	--------	83	1	72	4	Turk. in Europe.
23,576	7,806	36,489	6,070	10,294	8,215	27,864	7,441	2,962	10,709	U. Kingdom.[3]
8,008	6,058	12,884	4,055	4,825	4,588	10,433	4,464	1,772	5,958	England.
2,249	41	5,474	321	1,184	552	4,592	429	121	594	Ireland.
11,892	1,651	16,692	1,589	3,895	2,860	12,068	2,386	988	3,886	Scotland.
1,427	56	1,439	105	390	215	771	162	81	271	Wales.
1,369	1,524	1,737	1,302	859	1,317	1,296	1,263	586	1,708	Yugoslavia.
782	67	829	116	478	137	809	115	105	238	Other Europe.
3,758	5,056	4,535	4,792	3,345	4,405	4,271	4,577	2,279	4,856	**Asia, total.**
1,446	3,626	1,589	3,471	1,150	3,375	1,365	3,386	880	3,507	China.
771	945	337	1,035	653	699	726	921	664	750	Japan.
103	151	110	121	123	111	132	102	101	168	India.
1,069	216	1,199	81	630	110	891	88	501	210	Syria, Palestine, and Iraq.
57	47	105	19	139	20	164	13	53	51	Turkey in Asia.
312	71	695	65	650	90	993	67	80	172	Other Asia.
116,177	16,324	88,104	15,773	30,816	23,943	56,862	16,524	14,567	40,226	**America, total.**
66,451	3,118	65,254	3,229	22,183	2,895	42,420	3,268	9,564	2,236	Canada and Newfoundland.
1,557	736	1,618	869	1,107	854	1,335	829	834	918	Central America.
40,154	7,195	12,703	6,355	3,333	14,442	6,381	6,694	2,147	31,324	Mexico.
3,703	1,610	3,302	1,742	1,695	2,010	2,848	1,913	880	2,229	South America.
4,306	3,665	5,225	3,577	2,496	3,742	3,876	3,820	1,142	3,518	West Indies.
6	--------	2	1	2	--------	2	--------	--------	1	Other America.
509	168	572	180	417	160	548	154	251	204	Africa.
619	381	1,026	358	616	223	932	294	413	207	Australia, Tasmania, New Zealand.
17	13	25	20	36	16	30	14	18	28	Pacific Islands, not specified.

[3] Figures include Irish Free State prior to 1925; beginning 1925 figures shown under Ireland are for Northern Ireland only.

Source: Commissioner General of Immigration, Department of Labor.

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No. 86.—IMMIGRANT ALIENS ADMITTED AND EMIGRANT ALIENS

NOTE.—Excess of departures indicated by minus sign (—). For percentage distribution of

Race or people	Fiscal years ended June 30—								
	1910–1914, total			1920–1924, total			1925–1929, total		
	Admitted	Departed	Excess	Admitted	Departed	Excess	Admitted	Departed	Excess
Total	5,174,701	1,442,898	3,731,809	2,774,600	892,984	1,881,616	1,520,910	389,746	1,131,164
African (black)	33,527	6,603	26,924	43,092	8,230	34,853	4,850	4,043	807
Armenian	30,960	4,164	26,796	20,559	1,571	18,988	4,291	314	3,977
Bohemian and Moravian (Czech)	47,143	5,182	41,961	17,850	8,972	9,578	9,408	7,955	1,453
Bulgarian, Serbian, Montenegrin	90,180	35,846	24,334	14,509	43,069	—28,560	2,766	7,751	—4,985
Chinese	9,061	11,957	—2,896	19,374	21,884	—2,510	6,149	18,049	—11,900
Croatian and Slovenian	162,693	59,480	103,213	23,611	15,398	8,213	4,046	2,320	1,726
Cuban	17,038	7,964	9,074	6,490	5,278	1,212	8,506	6,002	2,504
Dalmatian, Bosnian, Herzegovinian	22,652	4,021	18,631	2,166	3,375	—1,209	499	2,190	—1,691
Dutch and Flemish	64,882	9,097	55,785	42,936	9,820	33,116	15,299	5,421	9,878
East Indian	2,824	675	2,149	1,046	779	267	240	416	—176
English	267,713	48,262	219,451	297,885	47,433	250,452	198,394	42,232	156,162
Finnish	57,717	15,637	42,080	15,811	6,037	9,274	3,045	2,747	298
French	96,439	18,567	77,872	148,132	17,527	130,605	99,710	7,835	91,875
German	363,930	67,420	296,510	223,894	20,712	203,182	279,285	29,845	249,420
Greek	192,247	76,093	116,154	59,076	51,833	7,243	10,883	19,305	—8,422
Hebrew	495,459	33,031	462,428	286,560	2,344	284,216	56,160	1,298	54,862
Irish	183,471	19,005	164,466	149,781	12,747	137,034	198,977	7,397	191,580
Italian (north)	174,671	64,304	110,567	67,105	32,296	34,809	11,191	15,298	—4,107
Italian (south)	971,366	352,486	618,880	401,334	205,941	195,393	61,831	79,690	—17,859
Japanese	80,788	10,756	20,032	37,304	17,907	19,397	3,178	5,505	—2,327
Korean	276	320	—44	447	179	268	196	181	15
Lithuanian	100,050	17,181	82,869	6,672	11,322	—4,650	2,006	1,918	88
Magyar	146,045	72,833	73,212	30,634	33,460	—2,826	5,464	4,883	581
Mexican	82,588	3,434	79,154	249,248	22,058	227,190	238,527	19,852	218,675
Pacific Islander	88	12	76	63	16	47	19	21	—2
Polish	561,979	145,735	436,244	62,603	99,471	—36,868	18,347	14,603	3,744
Portuguese	47,742	7,472	40,270	42,891	22,241	20,350	4,053	12,396	—8,343
Rumanian	65,360	19,881	45,479	11,487	36,495	—25,008	2,160	5,443	—3,283
Russian	155,002	51,904	103,098	21,628	17,472	4,156	6,013	3,168	2,845
Ruthenian	134,911	21,454	113,457	5,438	1,687	3,751	2,560	245	2,315
Scandinavian (Norwegians, Danes, and Swedes)	204,287	40,812	163,475	137,719	25,205	112,514	96,891	18,190	78,701
Scotch	110,820	16,572	94,248	161,379	8,673	152,706	125,448	10,342	115,106
Slovak	132,165	58,983	73,182	56,625	33,506	23,119	6,811	3,361	3,450
Spanish	43,081	13,805	29,276	60,110	24,810	35,300	4,269	14,557	—10,288
Spanish-American	6,302	2,103	4,199	13,760	6,430	7,330	14,802	7,993	6,809
Syrian	35,519	5,219	30,300	12,288	5,737	6,551	2,867	1,250	1,617
Turkish	8,245	6,244	2,001	1,125	2,746	—1,621	666	697	—31
Welsh	12,109	1,444	10,665	8,423	659	7,764	7,163	422	6,741
West Indian (other than Cuban)	5,990	2,523	3,467	7,753	3,418	4,335	1,853	3,406	—1,553
Other peoples	17,181	[1] 104,411	—87,230	6,912	5,137	1,775	2,197	1,295	902

[1] Includes 99,042 whose race was not specified.

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DEPARTED WITH EXCESS OF ADMISSIONS OR DEPARTURES: BY RACE

immigrants see Table 89. For totals for period 1915–1919, see Statistical Abstract 1929, p. 98

Fiscal year ended June 30—										Calendar year			
1929		1930		1931						1930		1931	
				Admitted			Departed						
Admitted	Departed	Admitted	Departed	Total	Male	Female	Total	Male	Female	Admitted	Departed	Admitted	Departed
279,678	69,203	241,700	50,661	97,139	40,621	56,518	61,882	40,857	21,025	180,251	52,930	43,353	99,570
1,254	425	1,806	776	884	352	532	737	308	429	1,646	771	245	815
929	26	790	57	519	165	354	40	29	11	648	44	369	51
1,427	1,308	653	574	266	97	169	792	606	186	450	610	126	954
685	1,341	744	846	429	207	222	927	783	144	533	829	243	987
1,071	3,496	970	3,404	748	523	225	3,333	3,097	236	802	3,337	639	3,442
1,075	176	1,314	280	668	248	420	382	328	54	1,016	362	385	736
2,141	1,166	2,122	1,274	717	459	258	1,363	924	439	1,150	1,332	448	1,213
119	347	108	119	69	38	31	119	81	38	100	131	32	179
2,949	1,101	4,713	998	2,001	1,069	932	1,238	757	481	4,165	1,230	658	1,363
56	67	51	65	65	54	11	95	84	11	72	72	55	155
29,846	9,960	34,960	6,461	12,703	5,314	7,389	6,582	3,629	2,953	24,685	6,717	5,536	7,441
509	487	556	331	310	120	190	694	422	272	495	573	204	1,022
16,957	1,621	13,771	1,945	4,908	2,133	2,775	2,040	1,187	853	8,313	1,967	2,265	2,387
55,631	7,383	34,415	5,732	13,813	6,239	7,574	4,379	2,460	1,919	27,469	4,447	4,789	5,681
3,025	1,793	3,793	785	2,663	982	1,681	816	701	115	3,677	924	1,295	1,290
12,479	189	11,526	299	5,692	2,481	3,211	319	199	120	8,974	277	3,121	400
30,922	1,659	34,947	1,940	10,814	4,078	6,736	2,379	1,414	965	26,516	2,165	2,020	3,012
2,631	3,826	2,822	755	1,731	547	1,184	389	305	84	2,206	353	1,377	563
16,452	8,610	20,494	2,206	12,239	4,436	7,803	2,391	1,982	409	17,126	2,441	6,653	3,484
716	931	796	1,004	626	439	187	696	498	198	696	903	639	737
49	32	27	33	21	19	2	28	23	5	24	23	24	32
409	270	426	194	320	81	239	348	232	116	378	313	231	397
1,342	820	1,542	668	999	448	551	562	397	165	1,364	569	618	753
38,980	7,172	11,915	6,296	2,627	1,168	1,459	14,406	9,141	5,265	5,652	6,641	1,546	31,258
4	3	-------	7	6	5	1	3	3	-------	5	2	1	5
3,057	2,316	4,924	1,924	2,008	891	1,117	2,101	1,580	521	4,054	2,247	873	2,192
853	1,961	780	336	626	282	344	307	245	62	721	242	470	633
585	689	432	429	245	54	191	470	326	144	301	390	173	661
1,352	548	1,634	472	967	454	513	532	396	136	1,418	482	546	875
532	26	473	12	158	58	100	24	13	11	256	17	78	66
19,428	2,746	8,478	2,775	3,947	1,753	2,194	3,761	2,423	1,338	6,787	3,507	1,891	4,546
21,926	1,677	28,117	2,210	7,618	2,757	4,861	3,435	1,990	1,445	19,852	3,063	2,434	4,264
2,443	437	3,214	758	1,474	643	831	576	444	132	2,438	650	548	970
899	1,565	1,169	1,776	734	342	392	2,214	1,892	322	907	2,134	622	2,946
3,259	1,755	3,237	1,741	1,848	1,027	821	2,023	1,231	792	2,661	1,836	1,273	2,220
632	135	637	81	344	103	241	70	50	20	467	82	312	143
127	61	175	26	75	32	43	28	22	6	111	25	69	66
1,659	115	2,043	180	550	234	316	257	174	83	1,190	232	156	352
380	761	600	737	428	173	255	852	346	506	562	825	168	891
438	202	526	155	279	116	163	174	135	39	364	160	221	358

Source: Comissioner General of Immigration, Department of Labor.

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No. 89.—IMMIGRANT ALIENS ADMITTED: PERCENTAGES, BY RACE OR PEOPLE, YEARS ENDED JUNE 30

Race or people	1910–1914	1920–1924	1925–1929	1930	1931	Race or people	1910–1914	1920–1924	1925–1929	1930	1931
Total	100.0	100.0	100.0	100.0	100.0	Italian (south)	18.8	14.5	4.1	8.5	12.6
						Japanese	.6	1.3	.2	.3	.6
African (black)	.6	1.6	.3	.7	.9	Korean	(1)	(1)	(1)	(1)	(1)
Armenian	.6	.7	.3	.3	.5	Lithuanian	1.9	.2	.1	.2	.3
Bohemian and Moravian (Czech)	.9	.6	.6	.3	.3	Magyar	2.8	1.1	.4	.6	1.0
						Mexican	1.6	9.0	15.7	4.9	2.7
Bulgarian, Serbian, Montenegrin	1.2	.5	.2	.3	.4	Pacific Islander	(1)	(1)	(1)	(1)	(1)
Chinese	.2	.7	.4	.4	.8	Polish	11.2	2.3	1.2	2.0	2.1
Croatian and Slovenian	3.1	.9	.3	.5	.7	Portuguese	.9	1.5	.3	.8	.6
Cuban	.3	.2	.6	.9	.7	Rumanian	1.3	.4	.1	.2	.2
Dalmatian, Bosnian, Herzegovinian	.4	.1	(1)	(1)	.1	Russian	3.0	.8	.4	.7	1.0
						Ruthenian	2.6	.2	.2	.2	.2
Dutch and Flemish	1.3	1.5	1.0	1.9	2.1	Scandinavian (Norwegians, Danes, Swedes)	3.9	5.0	6.4	3.5	4.1
East Indian	.1	(1)	(1)	(1)	.1	Scotch	2.1	5.8	8.2	11.6	7.8
English	5.2	10.7	13.0	14.5	13.1	Slovak	2.6	2.0	.4	1.3	1.5
Finnish	1.1	.6	.2	.2	.3	Spanish	.8	2.2	.3	.5	.8
French	1.9	5.3	6.6	5.7	5.1	Spanish-American	.1	.5	1.0	1.3	1.9
German	7.0	8.1	18.4	14.2	14.2	Syrian	.7	.4	.2	.3	.4
Greek	3.7	2.1	.7	1.6	2.7	Turkish	.2	(1)	(1)	.1	.1
Hebrew	9.6	10.3	3.7	4.8	5.9	Welsh	.2	.3	.5	.8	.6
Irish	3.5	5.4	13.1	14.5	11.1	West Indian (other than Cuban)	.1	.3	.1	.2	.4
Italian (north)	3.4	2.4	.7	1.2	1.8	Other peoples	.3	.2	.1	.2	.3

[1] Less than one-tenth of 1 per cent.

No. 90.—QUOTA AND NONQUOTA IMMIGRANTS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEAR ENDED JUNE 30, 1931

NOTE.—See headnote Table 91

Country	Quota immigrants	Nonquota immigrants			Country	Quota immigrants	Nonquota immigrants		
		From nonquota countries	Returning residents	Other exempt classes			From nonquota countries	Returning residents	Other exempt classes
All countries	54,118	21,375	91,442	19,871	Europe—Contd. United Kingdom—Con.				
Europe, total	51,153	[1] 219	75,577	17,867	Scotland	4,875	27	5,504	174
Albania	81	----	264	163	Wales	501	3	489	25
Austria	524	----	606	200	Yugoslavia	523	----	1,072	504
Belgium	524	1	793	83	Other Europe	768	2	345	110
Bulgaria	52	----	52	43					
Czechoslovakia	1,448	----	1,539	735	America, total	1,144	21,145	8,414	299
Denmark	516	2	1,266	106	Canada and Newfoundland	----	15,432	2,389	66
Finland	300	2	987	69	Mexico	----	2,773	1,678	3
France	1,226	7	3,186	166	West Indies	1,030	891	3,301	198
Germany	10,100	14	16,831	687	Central and South America	108	2,048	1,033	32
Greece	308	2	1,287	1,258	Other America	6	1	13	----
Hungary	624	----	746	357					
Irish Free State	6,780	3	4,524	81	Asia, total	1,344	7	7,062	1,513
Italy	4,245	50	11,668	9,021	China	86	1	1,713	303
Lithuania	305	----	400	221	India	70	3	74	89
Netherlands	1,142	1	775	86	Japan	10	1	4,806	299
Norway	1,156	4	2,759	199	Palestine	63	----	49	106
Poland	2,841	4	2,075	1,606	Syria	103	2	97	162
Portugal [2]	433	----	1,930	82	Turkey in Asia	192	----	141	476
Rumania	497	1	499	479	Other Asia	820	----	92	78
Russia	1,537	4	563	356					
Spain	263	15	2,167	244	Africa	231	----	126	75
Sweden	1,247	4	4,008	138	Australia and New Zealand	215	[1] 4	236	106
Switzerland	797	2	1,068	98	Other countries	31	----	27	11
Turkey in Europe	20	----	37	92					
United Kingdom—									
England	5,972	65	7,321	428					
N. Ireland	1,586	6	816	56					

[1] Wives and children (born in quota countries) of natives of nonquota countries.
[2] Including Azores, Cape Verde, and Madeira Islands.

Source of Tables 89 and 90: Commissioner General of Immigration, Department of Labor.

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No. 91.—IMMIGRATION QUOTAS ALLOTTED, AND QUOTA ALIENS ADMITTED: BY COUNTRY OR REGION OF BIRTH, YEARS ENDED JUNE 30

NOTE.—The immigration act of 1921 limited the number of aliens admitted annually of any nationality subject to the quota law, to 3 per cent of the number of foreign-born persons of such nationality resident in continental United States as determined by the Census of 1910; the population plan of the act of 1924, to 2 per cent according to the Census of 1890. The national origins clause of the latter act, which became effective July 1, 1929, provided that the quota of any nationality should be computed by applying to 150,000 the ratio between the calculated number of inhabitants in continental United States in 1920, owing their origin to the nationality concerned and the total inhabitants in the United States of all nationalities subject to the quota law. (See Table 97.) Under the act of 1924, the minimum quota is 100. Both immigrant and nonimmigrant aliens may appear in quota law statistics, or aliens of both classes may not be counted against quotas at all

Country or region	Under immigration act of 1921		Under immigration act of 1924					
				Admitted		Annual quota 1930 and 1931	Admitted	
	Annual quota [1]	Admitted, 1922-1924, total [2]	Annual quota, 1925-1929	1925-1929, total	1929		1930	1931
All countries	357,803	937,075	164,667	761,622	146,918	153,714	141,497	54,118
Europe	356,061	929,670	161,422	749,911	144,167	150,491	137,016	51,153
Albania	288	856	100	472	85	100	110	81
Austria	7,342	19,497	785	4,213	832	1,413	1,417	524
Belgium	1,563	4,707	512	2,652	517	1,304	1,118	524
Bulgaria	302	898	100	509	108	100	95	52
Czechoslovakia	14,357	42,962	3,073	14,668	2,990	2,874	2,898	1,448
Danzig, Free City of	301	649	228	1,065	214	100	112	52
Denmark	5,619	14,129	2,789	13,114	2,703	1,181	1,144	516
Estonia	1,348	1,465	124	612	129	116	112	71
Finland	3,921	10,880	471	2,363	477	569	559	300
France	5,729	15,106	3,954	17,730	3,532	3,086	2,812	1,226
Germany	67,607	135,918	51,227	242,363	48,468	25,957	27,119	10,100
Greece	3,063	9,804	100	737	166	307	362	308
Hungary	5,747	17,420	473	2,445	527	869	864	624
Irish Free State [3]	----------	----------	28,567	132,715	19,341	17,853	19,692	6,780
Italy	42,057	126,263	3,845	18,383	3,845	5,802	5,610	4,245
Latvia	1,540	3,053	142	754	174	236	202	138
Lithuania	2,629	5,089	344	1,828	368	386	398	305
Luxemburg	92	277	100	495	101	100	96	41
Netherlands	3,607	9,622	1,648	7,708	1,552	3,153	2,788	1,142
Norway	12,202	30,345	6,453	30,335	6,061	2,377	2,546	1,156
Poland	30,977	86,836	5,982	29,000	5,651	6,524	6,456	2,841
Portugal	2,465	7,416	503	2,449	529	440	433	433
Rumania	7,419	22,267	603	3,783	870	295	670	497
Russia	24,405	77,718	2,248	10,018	1,844	2,784	2,231	1,537
Spain	912	2,712	131	805	170	252	332	263
Sweden	20,042	48,675	9,561	44,849	9,176	3,314	3,204	1,247
Switzerland	3,752	11,227	2,081	9,683	2,020	1,707	1,605	797
Turkey	2,654	6,138	100	431	67	226	65	20
United Kingdom [3]	77,342	197,354	34,007	148,660	30,442	65,721	50,275	12,934
Yugoslavia	6,426	19,496	671	3,081	698	845	782	523
Other Europe	353	891	500	[4] 1,991	[4] 510	500	[4] 909	[4] 428
Asia	1,261	5,881	1,424	[4] 4,927	[4] 1,186	1,423	[4] 2,150	[4] 1,344
Africa	122	439	1,200	[4] 1,667	[4] 361	1,200	[4] 330	[4] 231
Australia, New Zealand, and Pacific islands	359	1,085	621	[4] 1,476	[4] 324	600	[4] 284	[4] 246
Western Hemisphere	----------	----------	----------	[4] 3,647	[4] 880	----------	[4] 1,717	[4] 1,144

[1] Quota for 1924; revisions from 1922 or 1923 allotments for certain countries were made due to changes in boundaries or other adjustments.

[2] Admissions from certain countries in excess of quota occurred in 1922 in cases involving unusual hardship.

[3] All Ireland included with United Kingdom prior to 1925; thereafter, Northern Ireland only.

[4] Includes quota immigrants born in colonies, dependencies, or protectorates of European countries.

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No. 92.—ALIENS DEPORTED FROM THE UNITED STATES: YEARS ENDED JUNE 30

	1926–1930, total	1930	1931
Total	63,730	16,631	18,142
Destined to Europe	23,613	4,502	6,162
Austria	228	30	46
Belgium	351	63	86
Czechoslovakia	1,054	215	351
Denmark	599	108	172
Finland	518	115	174
France	514	66	75
Germany	2,917	546	736
Great Britain	3,615	715	898
Greece	843	216	203
Hungary	411	97	113
Ireland	1,145	227	245
Italy	3,200	508	645
Netherlands	701	116	150
Norway	928	115	289
Poland	1,220	304	352
Portugal	358	114	167
Rumania	615	127	354
Spain	1,474	282	283
Sweden	735	100	151
Yugoslavia	1,168	270	451
Other Europe	1,019	168	221
Destined to:			
Canada and Newfoundland	12,412	2,630	2,305
Mexico	22,311	8,518	8,409
West Indies	1,325	170	209
Destined to—Contd.			
Other America	1,118	267	266
China	1,142	258	402
Japan	442	102	123
Other countries	1,367	184	266
Race or people:			
African (black)	1,142	185	213
Chinese	1,133	256	398
Dutch and Flemish	1,149	207	243
English	6,439	1,151	1,195
French	3,141	689	585
German	4,176	817	1,156
Irish	2,856	631	635
Italian	3,569	587	724
Japanese	448	99	126
Mexican	21,943	8,438	8,335
Polish	1,223	326	390
Scandinavian	2,687	425	720
Scotch	2,221	450	535
Spanish	1,921	317	394
All others	9,682	2,053	2,493
Causes for deportation:			
Public charges from causes existing prior to entry	4,145	656	578
Mentally, or physically defective at time of entry	960	386	374
Criminal and immoral classes	9,060	2,456	2,719
Miscellaneous causes	49,565	13,133	14,471

No. 93.—ALIENS REGISTERED UNDER THE ACT OF MARCH 2, 1929

NOTE.—Under the terms of an act of Congress approved March 2, 1929, legalizing permanent residence in the United States of aliens who entered without proper inspection prior to June 3, 1921, when the first quota law went into effect, the examination must determine whether the following facts exist: (1) That the applicant is an alien not ineligible to citizenship; (2) that there is no record of admission for permanent residence; (3) that he entered the United States prior to June 3, 1921; (4) that he has resided in the United States continuously since such entry; (5) that he is a person of good moral character; and (6) that he is not subject to deportation

	Number registered during—			Total 2½ years
	Fiscal year 1930	Fiscal year 1931	July to Dec., 1931	
Total	8,098	16,242	7,394	31,734
Born in:				
Germany	505	1,003	277	1,785
Great Britain	501	861	364	1,726
Greece	517	683	223	1,423
Ireland	223	464	209	896
Italy	510	1,263	523	2,296
Poland	692	2,101	1,032	3,825
Scandinavia	528	983	301	1,812
Other Europe	2,117	4,058	1,661	7,836
Canada	1,059	2,342	1,729	5,130
Mexico	1,144	1,701	722	3,567
Other countries	302	783	353	1,438
Entered the United States at:				
New York, N. Y.	2,980	6,741	2,929	12,650
Other Atlantic ports	1,059	2,006	722	3,787
Pacific and Gulf ports	477	825	297	1,599
Canadian land border	2,412	4,883	2,697	9,992
Mexican land border	1,170	1,787	749	3,706
Entered:				
By boat	5,427	11,177	4,754	21,358
By railway	1,767	3,582	2,023	7,372
By automobile	126	170	76	372
By wagon	192	197	74	463
Afoot	586	1,116	467	2,169
Prior to 1891	313	739	399	1,451
1891 to 1900	881	1,246	738	2,365
1901 to 1910	1,491	4,096	2,447	8,034
1911 to 1920	5,282	9,122	3,509	17,913
Jan. 1 to June 2, 1921	631	1,039	301	1,971
Race or people:				
English	735	1,292	806	2,833
German	614	1,397	510	2,521
Greek	579	804	250	1,633
Hebrew	705	1,672	647	3,024
Irish	406	884	519	1,809
Italian	487	1,160	499	2,146
Mexican	1,131	1,672	708	3,511
Scandinavian	564	1,050	327	1,941
All other	2,877	6,311	3,128	12,316
Sex:				
Male	6,794	13,743	5,990	26,527
Female	1,304	2,499	1,404	5,207

Source of Tables 92 and 93: Commissioner General of Immigration, Department of Labor.

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No. 94.—ARRIVALS AND DEPARTURES OF ALIENS AND CITIZENS

Class	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1930	1931
Aliens and citizens:						
Arrivals	1,488,422	454,192	963,630	888,385	923,474	720,576
Departures	904,423	416,948	588,089	632,323	734,448	737,302
Excess of arrivals (+) or departures (−)	+583,999	+37,244	+375,541	+256,062	+189,026	−16,726
Aliens, total:						
Arrivals	1,215,160	322,549	716,990	494,500	446,214	280,679
Departures	551,931	236,172	323,362	246,721	272,425	290,916
Excess of arrivals (+) or departures (−)	+663,229	+86,377	+393,628	+247,779	+173,789	−10,237
Aliens, immigrant or emigrant:						
Arrivals	1,034,940	234,536	554,920	304,182	241,700	97,139
Departures	288,578	123,645	178,597	77,949	50,661	61,882
Excess of arrivals	746,362	110,891	376,323	226,233	191,039	35,257
Aliens, nonimmigrant or nonemigrant:						
Arrivals	180,220	88,013	162,070	190,318	204,514	183,540
Departures	263,352	112,527	144,765	168,772	221,764	229,034
Excess of arrivals (+) or departures (−)	−83,132	−24,514	+17,305	+21,546	−17,250	−45,494
Citizens:						
Arrivals	273,262	131,643	246,640	393,885	477,260	439,897
Departures	352,492	180,776	264,727	385,602	462,023	446,386
Excess of arrivals (+) or departures (−)	−79,230	−49,133	−18,087	+8,283	+15,237	−6,489
Citizens permanently departed:						
Naturalized	----------	[1] 4,097	7,097	3,675	1,597	1,417
Native-born	----------	[1] 44,174	49,117	20,579	19,142	18,576

[1] Average for 1918 and 1919.

No. 95.—ARRIVALS OF PASSENGERS AT THE PRINCIPAL PORTS FROM FOREIGN COUNTRIES: YEARS ENDED JUNE 30

NOTE.—Figures for immigrants and nonimmigrant aliens cover admissions only. In addition, there are debarred aliens among the arrivals who, after being examined, are found inadmissible and returned to the countries whence they came

Port and class	1906–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1929	1930	1931
United States, total	1,060,019	1,488,422	454,192	963,630	888,385	929,282	923,474	720,576
United States citizens	166,236	273,262	131,643	246,640	393,885	449,955	477,260	439,897
Immigrants	820,239	1,034,940	234,536	554,920	304,182	279,678	241,700	97,139
Nonimmigrant aliens	73,544	180,220	88,013	162,070	190,318	199,649	204,514	183,540
New York	812,848	1,048,710	193,356	571,942	551,927	612,568	616,265	506,098
United States citizens	128,988	173,578	55,192	161,265	272,872	313,030	326,914	317,726
Immigrants	630,141	759,791	100,970	321,403	153,683	158,238	147,982	63,392
Nonimmigrant aliens	53,719	115,341	37,194	89,274	125,372	141,290	141,369	124,980
Boston	64,942	73,896	3,034	30,329	19,445	18,406	44,938	15,863
United States citizens	12,351	11,498	2,723	4,486	8,223	9,201	31,132	8,640
Immigrants	47,913	52,474	8,801	24,168	7,162	5,002	9,483	3,053
Nonimmigrant aliens	4,678	9,925	1,510	1,675	4,060	4,203	4,323	4,170
Philadelphia	24,183	54,823	2,385	10,627	815	571	1,716	2,116
United States citizens	3,510	3,506	462	1,355	413	262	1,383	1,809
Immigrants	20,203	48,547	1,667	8,597	150	76	72	71
Nonimmigrant aliens	470	2,770	256	675	252	233	261	236
Baltimore	44,707	31,283	914	511	198	244	335	340
United States citizens	1,277	1,126	76	132	110	137	205	249
Immigrants	42,994	29,395	780	317	50	50	73	39
Nonimmigrant aliens	436	762	58	62	38	57	57	52
New Orleans	[1] 8,422	11,674	11,199	11,052	13,050	13,373	13,057	11,326
United States citizens	[1] 3,925	7,837	6,808	6,474	9,246	9,642	9,626	8,632
Immigrants	[1] 3,288	1,791	1,931	1,407	847	817	765	549
Nonimmigrant aliens	[1] 1,209	2,046	2,460	3,171	2,957	2,914	2,666	2,145
San Francisco	10,739	14,053	19,567	24,738	16,245	17,766	17,974	15,677
United States citizens	3,609	5,389	5,460	6,976	6,791	7,530	7,812	7,921
Immigrants	5,115	4,776	8,442	7,659	2,297	2,590	3,344	2,156
Nonimmigrant aliens	2,005	3,887	5,665	10,103	7,157	7,646	6,818	5,600
Seattle	[1] 4,537	4,627	6,911	8,733	5,563	4,952	5,580	4,711
United States citizens	[1] 667	794	614	1,739	2,332	2,277	2,580	2,335
Immigrants	[1] 3,136	2,208	3,938	4,046	959	584	716	544
Nonimmigrant aliens	[1] 734	1,625	2,359	2,948	2,292	2,091	2,284	1,832

[1] Average, 1906 to 1909.

Source of Tables 94 and 95: Commissioner General of Immigration, Department of Labor.

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No. 96.—DEPARTURES OF PASSENGERS FROM THE UNITED STATES FOR FOREIGN COUNTRIES: YEARS ENDED JUNE 30

	1906–1909, average	1910–1914, average	1915–1919, average	1920–1924, average	1925–1929, average	1928	1929	1930	1931
Total	487,425	904,423	416,948	568,088	632,323	703,931	684,340	734,448	737,302
Male	324,402	631,827	319,331	384,871	368,917	406,485	387,507	406,354	399,343
Female	163,023	272,595	97,617	203,217	263,406	297,446	296,833	328,094	337,959
Children [1]	52,455	99,348	39,053	75,863	56,903	55,237	61,539	67,960	72,643
Adults [1]	434,970	805,074	377,895	512,225	575,420	648,694	622,801	666,488	664,659
Cabin [2]	193,822	457,514	209,593	323,302	441,217	455,214	576,942	557,326	532,186
Steerage [3]	293,603	446,909	207,355	264,786	191,106	248,717	107,398	177,122	205,116

[1] Prior to 1910 the division point is 12 years; from 1910 to 1917, inclusive, 14 years; thereafter, 16.
[2] Figures include departures by rail, ferry, or afoot via the Canadian and Mexican borders.
[3] Prior to 1910 designated as "Other than cabin passengers."

Source: Prior to July 1, 1907, the Bureau of Statistics; subsequently, the Bureau of Immigration, Department of Labor.

No. 97.—NATIONAL ORIGIN OF THE WHITE POPULATION OF THE UNITED STATES: 1920

NOTE.—The table gives the national origin of the white population of the United States as determined as a basis for immigration quotas under the provisions of the Immigration Act of 1924. The percentage of the total white population derived from each country of origin is expressed in terms of the equivalent number of inhabitants. "Colonial Stock" is used to designate that portion of the white population which is descended from the population enumerated in the first census, taken in 1790; "post colonial stock," that which is descended from or consists of immigrants coming to the United States after 1790. Non-quota countries include Canada, Newfoundland, Mexico, Cuba, Haiti, the Dominican Republic, and the 16 independent Republics of Central and South America

Country of origin	Number (in thousands)						Per cent distribution		
			Post-colonial stock						
	Total	Colonial stock	Total	Immigrants	Children of immigrants	Grandchildren and later generations	Total	Colonial stock	Post-colonial stock
Total	94,821	41,289	53,532	13,713	19,190	20,629	100.0	100.0	100.0
Quota countries	89,507	40,324	49,182	12,071	17,621	19,490	94.4	97.7	91.9
Austria	843	14	829	306	415	108	.9	(1)	1.5
Belgium	778	602	176	63	62	51	.8	1.5	.3
Czechoslovakia	1,715	55	1,660	560	904	197	1.8	.1	3.1
Denmark	705	93	612	190	277	144	.7	.2	1.1
Estonia	69		69	34	28	7	.1		.1
Finland	339	4	335	150	147	39	.4	(1)	.6
France	1,842	767	1,075	155	325	594	1.9	1.9	2.0
Germany	15,489	3,037	12,452	1,672	4,051	6,728	16.3	7.4	23.3
Great Britain and Northern Ireland	39,216	31,804	7,412	1,365	2,308	3,739	41.4	77.0	13.8
Greece	183		183	135	47	1	.2		.3
Hungary	519		519	319	184	16	.5		1.0
Irish Free State	10,653	1,822	8,832	821	2,098	5,913	11.2	4.4	16.5
Italy	3,462		3,462	1,612	1,671	178	3.7		6.5
Latvia	141		141	69	56	16	.1		.3
Lithuania	230		230	117	89	25	.2		.4
Netherlands	1,881	1,367	515	133	205	176	2.0	3.3	1.0
Norway	1,419	75	1,343	364	597	382	1.5	.2	2.5
Poland	3,893	9	3,884	1,814	1,780	290	4.1	(1)	7.3
Portugal	263	24	239	104	105	30	.3	.1	.4
Rumania	176		176	89	84	3	.2		.3
Russia (Europe and Asia)	1,661	4	1,657	767	762	127	1.8	(1)	3.1
Spain	150	38	112	50	25	37	.2	.1	.2
Sweden	1,977	217	1,760	626	775	360	2.1	.5	3.3
Switzerland	1,019	389	630	119	204	308	1.1	.9	1.2
Syria and Lebanon	73		73	42	31		.1		.1
Turkey	135		135	103	31	1	.1		.3
Yugoslavia	504		504	221	266	18	.5		.9
All other quota countries	171	4	167	72	94	2	.2	(1)	.3
Nonquota countries	5,314	964	4,350	1,641	1,570	1,139	5.6	2.3	8.1

[1] Less than one-tenth of 1 per cent.

Source: Bureau of the Census, Department of Comm erce.

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5. EDUCATION

No. 98.—SUMMARY OF PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: CONTINENTAL UNITED STATES

	1870	1880	1890	1900	1910
Total population	[1] 38,558,371	[1] 50,155,783	[1,2] 62,622,250	[1,2] 75,602,515	[1] 91,972,266
Population 5–17 years, inclusive	[1] 12,055,443	[1] 15,065,767	[1,2] 18,543,201	[1,2] 21,404,322	[1] 24,239,948
Per cent of total population	31.3	30.1	29.6	28.3	26.4
Pupils enrolled in public schools	6,871,522	9,867,505	12,722,581	15,503,110	17,813,852
Per cent of total population	17.82	19.67	20.32	20.51	19.37
Per cent of population 5–17, incl	57.00	65.50	68.61	72.43	73.49
Average daily attendance	4,077,347	6,144,143	8,153,635	10,632,772	12,827,307
Per cent of pupils enrolled	59.3	62.3	64.1	68.6	72.1
Average number of days schools in session	132.2	130.3	134.7	144.3	157.5
Average number of days attended per enrolled pupil	78.4	81.1	86.3	99.0	113.0
Number of teachers	200,515	286,503	363,922	423,062	523,210
Male	77,529	122,795	125,525	126,588	110,481
Female	122,986	163,798	238,397	296,474	412,729
Per cent male teachers	38.7	42.8	34.5	29.9	21.1
Salaries: Teachers, supervisors, and principals (thousands of dollars)	37,795	55,886	91,708	137,495	253,757
Average annual salary per teacher	[3] $189	[3] $195	[3] $252	[3] $325	[3] $485
Total expenditure for education (thousands of dollars)	63,397	78,095	140,507	214,965	426,250
Per capita of total population	$1.64	$1.56	$2.24	$2.84	$4.64
Per capita of population 5–17, inclusive	$5.26	$5.18	$7.58	$10.04	$17.58
Per capita of enrollment	$9.23	$7.91	$11.04	$13.87	$23.93

	1920	1924	1926	1928	1930
Total population	[1] 105,710,620	[4] 113,202,319	[4] 116,531,963	[4] 119,861,607	[1] 122,775,046
Population 5–17 years, inclusive	[1] 27,728,788	[4] 29,415,753	[4] 30,165,515	[4] 30,915,278	[1] 31,571,322
Per cent of total population	26.2	[5] 26.0	[5] 25.9	[5] 25.8	25.7
Pupils enrolled in public schools	21,578,316	24,288,808	24,741,468	25,179,696	25,678,015
Per cent of total population	20.4	[5] 21.5	[5] 21.2	[5] 21.0	20.9
Per cent of population 5–17, incl	77.8	82.6	82.0	81.4	81.3
Average daily attendance	16,150,035	19,132,451	19,855,881	20,608,353	21,264,886
Per cent of pupils enrolled	74.8	78.8	80.3	81.8	82.8
Average number of days schools in session	161.9	168.3	169.3	171.5	172.7
Average number of days attended per enrolled pupil	121.2	132.5	135.9	140.4	143.0
Number of teachers	679,533	761,308	814,169	831,934	854,263
Male	95,666	128,731	138,810	138,193	141,771
Female	583,867	632,577	675,359	693,741	712,492
Per cent male teachers	14.1	16.9	17.0	16.6	16.6
Salaries: Teachers, supervisors, and principals (thousands of dollars)	590,120	949,877	1,061,583	1,164,583	1,250,427
Average annual salary per teacher	[6] $871	[6] $1,227	[6] $1,277	[6] $1,364	[6] $1,420
Total expenditure for education (thousands of dollars)	1,036,151	1,820,744	2,026,308	2,184,337	2,316,790
Per capita of total population	$9.80	[5] $16.08	[5] $17.39	[5] $18.23	$18.87
Per capita of population 5–17, inclusive	$37.37	$61.90	$67.17	$70.67	$73.38
Per capita of enrollment	$48.02	$74.96	$81.90	$86.75	$90.22

[1] Census enumeration as of June 1, 1870 to 1900, Apr. 15, 1910, Jan. 1, 1920, and Apr. 1, 1930.
[2] Excluding the population of Indian Territory which is not included in public school statistics.
[3] Computed from number of teaching positions.
[4] Census estimates for July 1. Figures are revised estimates based on 1920 and 1930 census data.
[5] Computed from the above revised estimates of population.
[6] Computed from number of teaching positions plus supervisors and principals whose salaries are included.

Source: Office of Education, Department of the Interior.

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No. 99.—ELEMENTARY, COMMERCIAL, SECONDARY, NORMAL SCHOOL, AND COLLEGE ENROLLMENTS: CONTINENTAL UNITED STATES

Schools	1890	1900	1910	1920	1930
Elementary and kindergarten, total	14,181,415	16,224,784	18,339,628	20,664,488	23,534,023
Kindergartens (public and private)	[1] 31,227	225,394	[2] 346,189	510,949	777,899
Public elementary schools (including public kindergartens)	12,519,618	14,983,859	16,898,791	19,378,927	21,278,593
Private elementary schools (largely estimated)	1,661,897	1,240,925	1,441,037	1,485,561	2,255,430
Secondary students, total	357,813	695,903	1,111,393	2,494,676	4,799,867
Public high schools	202,963	519,251	915,061	[2] 2,199,389	[3] 4,399,422
Private high schools	94,931	110,797	117,400	[3] 213,920	[4] 341,158
Preparatory schools (in colleges and universities)	51,749	56,285	66,042	59,309	47,309
Secondary students in normal schools	8,170	9,570	12,890	22,058	11,978
College and normal students, total	156,756	237,592	355,215	597,682	1,188,532
Normal schools and teachers colleges (excluding secondary students)	34,814	69,503	88,561	135,287	264,257
Colleges, universities, and professional schools (excl. preparatory students)	121,942	167,999	266,654	462,445	924,275
Private commercial and business schools	76,920	91,549	155,944	335,161	179,756

[1] 1888. [2] 1912. [3] From State reports.
[4] Figure for 1928. Data are as furnished by reporting schools supplemented by reports from the State departments of education and information furnished by the National Catholic Welfare Conference.
Source: Office of Education, Department of the Interior.

No. 100.—PUBLIC HIGH SCHOOLS AND PRIVATE HIGH SCHOOLS AND ACADEMIES: CONTINENTAL UNITED STATES

NOTE.—Data are from reports received from the schools. In 1930, 22,237 public high schools out of a total of approximately 24,000 furnished complete reports. The total enrollment in all high schools as reported by the State departments of education are shown for 1920 and 1930 in Table 99

	1890	1900	1910	1920	1928	1930
ALL HIGH SCHOOLS AND ACADEMIES						
Schools reporting	4,158	7,983	19,994	16,419	20,564	24,997
Total secondary pupils [1]	297,894	630,048	1,032,461	2,041,306	3,693,732	4,454,721
Per cent of total population	0.47	0.83	1.12	1.93	3.02	3.91
Number of persons 14 to 17 years of age in total population [2]	5,354,653	6,152,405	7,220,298	7,735,841	9,067,130	9,341,221
Ratio of number of pupils to total number of age specified, per cent	5.56	10.24	14.30	26.38	39.97	51.38
PUBLIC HIGH SCHOOLS						
Schools reporting	2,526	6,005	10,213	14,326	18,116	22,237
Teachers, total	[3] 9,120	20,372	41,667	[4] 97,654	[4] 182,637	[4] 213,291
Men	3,597	10,172	18,890	34,396	64,931	74,530
Women	5,280	10,200	22,777	63,258	117,706	138,761
Secondary pupils, total [1]	[3] 202,963	519,251	915,061	1,857,155	3,354,473	4,145,669
Boys	85,451	216,207	398,525	822,967	1,598,605	1,991,202
Girls	116,351	303,044	516,536	1,034,188	1,755,868	2,154,467
Colored students (included above)	*5,993*	*8,395*	*12,636*	*27,631*	*96,107*	*118,897*
First year	[5]	[5]	392,505	742,320	1,212,894	1,460,459
Second year	[5]	[5]	247,936	498,796	906,179	1,132,061
Third year	[5]	[5]	163,176	346,684	670,089	852,012
Fourth year	[5]	[5]	111,444	261,369	546,528	684,985
Postgraduate	[5]	[5]	----------	7,986	18,783	16,152
Per cent of total population in public high schools	0.32	0.68	1.00	1.76	2.80	3.38
Number graduated during year, total	21,892	61,737	111,363	230,902	474,736	591,719
Boys	7,692	22,575	43,657	90,516	210,916	267,298
Girls	14,190	39,162	67,706	140,386	263,820	324,421

[1] Excludes seventh and eighth grades in junior high schools.
[2] Census enumerations except figure for 1928 which is revised census estimate as of July 1.
[3] Includes those not classified by sex.
[4] Includes teachers in junior high schools as follows: 1920, men, 1,361, women, 5,069; 1928, men, 7,305, women, 24,634; 1930, 9,277 men, 30,755 women.
[5] No data.

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No. 100.—Public High Schools and Private High Schools and Academies: Continental United States—Continued

	1899	1900	1919	1920	1928	1930
PRIVATE HIGH SCHOOLS AND ACADEMIES						
Schools reporting	1,632	1,978	1,781	2,099	2,350	2,760
Teachers, total	7,299	10,117	11,146	14,946	18,025	22,014
Men	3,272	4,275	4,612	5,608	6,929	8,580
Women	3,937	5,842	6,634	9,248	11,096	13,434
Secondary pupils, total	94,931	110,797	117,400	184,153	248,076	309,052
Boys	47,534	55,734	55,474	84,222	114,617	146,517
Girls	47,397	55,063	61,926	99,931	133,459	162,535
Colored (included above)		*3,390*	*3,888*	*9,586*	*10,861*	*9,868*
Total in schools for boys only			26,838	47,925	63,050	88,137
Total in schools for girls only			28,317	55,658	76,323	91,605
Total in coeducational schools			62,245	80,570	108,703	129,310

No. 101.—NORMAL SCHOOLS AND TEACHERS' COLLEGES (STATE, COUNTY, CITY, AND PRIVATE): Continental United States

	1900	1919	1920	1924	1928	1930
ALL NORMAL SCHOOLS AND TEACHERS' COLLEGES						
Number reporting	305	264	369	382	339	331
Instructors, total	4,387	5,914	[1] 9,467	12,517	14,462	14,463
Men	1,856	2,195	[1] 3,512	4,949	5,831	5,995
Women	2,511	3,719	[1] 5,955	7,568	8,631	8,468
Students in all courses, total	[2,3] 116,684	[2] 132,438	162,368	273,107	297,430	279,195
Men	47,906	37,823	29,107	53,351	61,573	60,935
Women	68,778	94,615	133,261	219,756	235,857	218,260
Students in normal courses, total	[2] 69,593	88,561	135,237	245,669	274,348	264,257
Men	24,169	19,746	19,080	42,477	52,054	54,123
Women	45,424	68,815	116,157	203,192	222,294	210,134
Graduates from normal courses during year	11,359	15,430	20,917	40,484	49,627	49,227
Enrollment in model schools	35,397	66,180	91,641	85,585	71,685	90,601
Volumes in libraries	807,966	1,521,528	2,380,073	2,926,023	3,536,032	4,065,076
Receipts, all sources (1,000 dollars)	5,232	14,688	31,275	48,949	70,017	69,984
Total current expenditures (1,000 dollars)			23,232	36,041	51,222	53,241
STATE NORMAL SCHOOLS AND TEACHERS' COLLEGES [4]						
Number	127	151	182	196	206	206
Instructors	2,199	3,840	[1] 7,162	10,153	12,169	12,572
Students in all courses	[2] 60,309	[2] 94,143	140,382	239,226	267,184	256,270
Students in normal courses	41,655	71,447	118,831	219,906	249,533	243,964
TEACHERS' COLLEGES (INCLUDED ABOVE)						
Number			45	88	137	140
Instructors			[1] 2,504	6,022	9,658	10,262
Students in all courses			61,906	151,562	219,119	215,187
Students in normal courses			54,721	140,029	206,799	205,750
CITY AND COUNTY NORMAL SCHOOLS						
Number	30	40	128	119	74	73
Instructors	550	845	1,098	843	850	893
Students in all courses	[2] 7,565	[2] 16,940	12,527	15,689	15,579	12,385
Students in normal courses	4,592	7,773	12,527	15,689	15,579	12,385
PRIVATE NORMAL SCHOOLS						
Number	148	73	59	67	59	52
Instructors	1,618	1,229	1,207	1,521	1,443	998
Students in all courses	[2] 48,675	[2] 21,355	9,459	18,192	14,667	10,540
Students in normal courses	23,304	9,341	3,879	10,074	9,236	7,908

[1] Private teachers' colleges for Utah revised to exclude 44 men and 21 women teachers in secondary schools previously included.
[2] A number of pupils in model schools are included in these data.
[3] Data includes 135 pupils in all courses and 42 for normal courses not distributed by kind of school.
[4] Includes all teachers' colleges.

Source of Tables 100 and 101: Office of Education, Department of the Interior.

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No. 102.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: CONTINENTAL UNITED STATES

	1890	1900	1910	1920	1926	1928	1930
PROFESSORS AND INSTRUCTORS							
Total, excluding duplicates	13,565	22,134	33,631	48,882	62,224	67,209	71,722
Men	10,676	18,343	28,477	34,111	48,649	52,263	55,861
Women	2,889	3,791	5,154	8,771	13,575	14,946	15,861
Preparatory departments	2,803	4,078	4,548	4,282	3,917	3,267	2,815
Men		2,572	2,807	2,714	2,189	1,834	1,564
Women		1,506	1,741	1,568	1,728	1,433	1,251
Collegiate departments	6,198	11,219	17,281	28,113	43,326	50,122	54,195
Men		9,014	14,051	21,644	32,605	36,783	39,735
Women		2,205	3,230	6,469	10,721	13,339	14,460
Professional departments	3,995	8,277	13,285	10,915	14,733	14,915	16,214
Men			12,886	10,603	14,152	14,373	15,562
Women			399	312	581	542	652
Other departments				2,221	1,435	116	(1)
Men				982	550	27	(1)
Women				1,239	885	89	(1)
STUDENTS							
Total, excluding duplicates	173,691	224,284	332,696	521,754	822,895	919,381	971,584
Men	119,860	162,899	227,995	334,226	509,732	563,244	604,243
Women	53,831	61,385	104,701	187,528	313,163	356,137	367,341
Preparatory departments	51,749	56,285	66,042	59,309	55,032	50,588	47,309
Men	29,530	34,814	42,016	38,398	33,185	30,206	27,766
Women	22,219	21,471	23,426	20,911	22,447	20,382	19,543
Collegiate departments	65,274	104,098	174,213	341,082	595,458	695,219	753,827
Men	44,650	68,047	113,074	212,405	347,665	402,242	441,985
Women	20,624	36,051	61,139	128,677	247,793	292,977	311,842
Graduate departments	2,382	5,831	9,370	15,612	32,500	44,165	47,255
Men	1,973	4,112	6,504	9,837	20,159	26,540	29,070
Women	409	1,719	2,866	5,775	12,341	17,625	18,185
Professional departments [2]	33,011	58,070	71,257	57,131	98,413	99,424	98,041
Men	32,034	55,926	65,569	53,295	92,591	93,639	92,786
Women	977	2,144	5,688	3,836	5,822	5,785	5,255
Other departments				65,859	53,566	39,153	30,148
Men				27,533	23,211	16,399	15,923
Women				38,326	30,355	22,754	14,225
Students in engineering courses (included above)	1,195	11,415	30,337	51,908	59,315	66,637	46,720
DEGREES CONFERRED							
Baccalaureate	6,853	14,018	22,687	38,552	71,529	83,065	91,623
Men		9,547	15,267	23,272	41,106	45,912	51,160
Women		4,471	7,420	15,280	30,423	37,153	40,463
Professional [3]	8,686	13,392	14,512	8,774	20,096	19,917	19,788
Men				8,272	19,047	18,966	18,846
Women				502	1,049	951	942
Graduate	1,135	1,952	2,541	4,853	11,451	13,834	16,332
Men		1,628	1,939	3,457	7,700	8,976	10,693
Women		324	602	1,396	3,751	4,858	6,139
Ph. D., on examination	126	342	409	532	1,302	1,447	2,024
Men		322	365	439	1,115	1,249	1,692
Women		20	44	93	187	198	332
Volumes in libraries.....thousands	4,521	8,764	14,059	24,191	37,549	40,498	44,369
Total receipts, exclusive of additions to endowment.....1000 dollars	[4] 18,615	[4] 40,554	77,873	189,235	407,400	496,529	567,618

[1] Included in collegiate departments.
[2] Includes students in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.
[3] First degrees in theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.
[4] Including endowment.

Source: Office of Education, Department of the Interior.

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No. 103.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: NUMBER AND SALARY OF TEACHERS

Division and State or outlying area	Number of teachers [1]				Per cent of teachers male		Salaries of teachers, supervisors, and principals			
	1900	1910	1920	1930	1900	1930	Total, 1930 (1,000 dollars)	Average annual salary (dollars)		
								1900	1920	1930
Continental U. S.	423,062	523,210	[2] 679,533	854,263	29.9	16.6	1,250,427	325	[2] 871	1,490
New England	32,549	36,723	43,480	52,642	11.0	12.7	89,251	494	1,064	1,636
Maine	6,445	7,457	7,020	6,547	[3] 16.4	12.2	5,830	191	603	942
New Hampshire	2,740	3,040	3,047	3,051	8.9	12.6	3,857	254	759	1,254
Vermont	3,742	3,257	2,902	2,978	13.6	8.6	2,871	176	667	963
Massachusetts	13,575	15,321	[4] 19,085	26,229	8.8	14.7	50,598	602	[3] 1,262	1,875
Rhode Island	1,887	2,371	2,971	4,026	9.5	11.8	6,448	536	1,070	1,437
Connecticut	4,160	5,277	[4] 8,455	9,811	[3] 9.0	9.1	19,647	486	1,124	1,812
Middle Atlantic	71,250	92,657	123,254	165,475	21.7	14.4	341,979	481	1,133	2,103
New York	34,848	45,074	61,703	82,204	14.9	13.0	186,854	552	1,256	2,493
New Jersey	7,012	12,087	17,440	25,555	12.9	12.0	56,489	546	1,282	2,113
Pennsylvania	29,390	35,496	44,111	57,716	32.0	17.4	98,629	381	920	1,620
East North Central	96,934	107,208	128,955	165,836	31.3	19.3	270,910	350	1,010	1,568
Ohio	26,017	27,841	33,751	41,432	40.4	20.0	72,016	349	1,088	1,665
Indiana	15,617	17,267	17,209	21,847	46.2	25.3	34,631	322	964	1,466
Illinois	26,313	29,384	36,599	47,766	26.4	19.0	79,931	440	1,081	1,630
Michigan	15,924	17,987	24,302	34,552	20.3	17.6	54,295	283	911	1,534
Wisconsin	13,063	14,729	17,094	20,239	18.4	15.3	30,037	288	915	1,399
West North Central	85,437	99,138	117,051	122,294	24.9	14.1	141,756	394	797	1,134
Minnesota	10,586	15,157	19,575	22,169	19.4	12.9	28,448	363	882	1,251
Iowa	28,789	27,598	27,660	24,585	17.2	8.7	27,386	195	827	1,094
Missouri	16,201	18,365	21,126	24,200	37.6	18.2	29,895	289	797	1,235
North Dakota	4,083	7,387	8,975	8,856	28.8	16.8	8,201	200	728	900
South Dakota	4,802	6,065	7,853	8,943	24.4	15.0	8,547	196	696	956
Nebraska	9,463	11,099	14,873	14,400	21.8	14.5	16,321	279	765	1,483
Kansas	11,513	13,467	16,989	19,141	32.7	18.1	22,958	276	761	1,159
South Atlantic	48,994	62,187	84,688	112,005	40.7	16.2	109,233	208	560	945
Delaware	831	993	1,134	1,420	25.3	13.7	2,304	336	848	1,570
Maryland	5,116	5,514	6,675	8,745	21.7	14.6	13,090	418	902	1,518
Dist. of Columbia	1,226	1,631	2,096	2,722	13.1	11.9	6,479	684	1,359	2,269
Virginia	8,954	10,443	14,271	16,477	31.5	11.3	14,652	173	546	861
West Virginia	7,067	8,782	11,221	15,837	57.9	28.9	18,454	174	639	1,023
North Carolina	7,387	11,216	16,852	23,375	49.4	16.9	20,762	110	464	873
South Carolina	5,564	6,968	9,699	13,398	[3] 43.5	14.8	10,570	134	464	788
Georgia	10,120	12,625	15,921	19,071	44.0	13.9	13,135	179	426	694
Florida	2,729	4,015	6,819	10,960	36.9	13.5	9,787	203	518	876
East South Central	34,693	40,308	51,145	65,922	44.5	18.6	54,533	173	423	804
Kentucky	10,427	11,100	13,348	15,323	45.5	20.9	14,981	238	[4] 413	896
Tennessee	9,195	10,286	13,277	18,331	[3] 54.0	20.8	15,959	153	494	902
Alabama	6,578	8,756	12,558	17,130	30.1	16.4	13,414	140	484	792
Mississippi	8,493	10,166	11,962	15,138	44.2	16.1	10,179	142	[3] 291	620
West South Central	28,478	46,023	63,882	80,637	50.9	20.3	80,914	229	643	923
Arkansas	6,959	9,522	10,476	12,990	59.7	27.3	8,675	174	477	673
Louisiana	4,157	6,286	8,966	12,173	47.9	14.3	11,488	227	723	941
Oklahoma	2,343	9,473	15,389	19,807	42.8	23.4	26,239	165	768	1,070
Texas	15,019	20,742	29,001	35,667	48.9	18.2	39,512	266	612	924
Mountain	9,596	15,974	30,130	35,336	27.0	18.8	47,583	400	956	1,330
Montana	1,214	2,250	7,215	6,422	16.6	12.8	7,331	470	958	1,215
Idaho	1,060	2,232	3,982	4,500	31.2	23.3	5,617	257	932	1,200
Wyoming	570	1,109	2,232	2,751	15.6	14.8	3,694	316	869	1,239
Colorado	3,597	5,200	7,386	9,744	20.9	17.2	14,163	455	929	1,453
New Mexico	966	1,474	2,752	3,400	[3] 55.2	21.5	4,014	236	803	1,113
Arizona	399	851	1,955	3,273	27.3	16.9	5,458	474	1,279	1,637
Utah	1,466	2,369	3,904	4,452	36.5	29.2	6,102	415	992	1,330
Nevada	324	489	704	794	11.1	14.5	1,204	488	1,163	1,493
Pacific	15,131	22,992	36,998	54,116	23.2	15.8	114,275	506	1,182	1,949
Washington	3,784	7,170	9,877	11,140	28.9	17.0	18,221	362	1,229	1,556
Oregon	3,742	4,453	7,778	6,208	28.4	11.8	11,222	240	870	1,612
California	7,605	11,369	19,343	36,768	17.8	16.1	84,832	709	1,272	2,123
Alaska Territory	------	------	164	154	------	16.2	266	------	1,325	1,728
American Samoa	------	------	------	26	------	84.6	16	------	------	444
Canal Zone	------	------	102	175	------	47.4	282	------	1,324	1,541
Guam	------	------	------	125	------	38.4	46	------	------	315
Hawaii Territory	------	------	1,326	2,241	------	16.9	4,222	------	1,181	1,812
Philippine Islands	------	------	21,254	26,167	------	55.0	------	------	------	------
Puerto Rico	------	------	3,532	4,451	------	26.7	3,871	------	635	848
Virgin Islands	------	------	------	112	------	35.7	67	------	------	572

[1] Includes some superintendents, principals, and supervisors, some States not reporting them separately. [2] Includes 231 part-time teachers. [3] Estimated. [4] Estimated for 7,525 teaching positions. [5] 1919.

Source: Office of Education, Department of Interior.

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No. 104.—ELEMENTARY AND SECONDARY SCHOOLS,

Division and State or outlying area	Population, 5–17 years, inclusive, 1930	Public elementary and secondary schools						
		Pupils enrolled				Ratio of enrolled to total population 5–17 years, inclusive, per cent		
		1900	1910	1920	1930	1910	1920	1930
Continental U. S.	**31,571,823**	**15,503,110**	**17,813,852**	**21,578,816**	**25,678,015**	**73.5**	**77.8**	**81.3**
New England	**1,964,958**	**959,920**	**1,061,148**	**1,242,221**	**1,492,320**	**73.0**	**72.7**	**75.9**
Maine	195,796	130,918	144,278	137,681	154,455	84.9	76.3	78.9
New Hampshire	109,241	65,688	63,972	64,205	74,240	67.0	64.3	68.0
Vermont	87,563	65,964	66,615	61,785	65,976	80.4	73.4	75.3
Massachusetts	999,696	474,891	535,869	623,586	759,492	71.3	71.3	76.0
Rhode Island	169,889	67,231	80,061	93,501	118,704	63.8	65.4	69.9
Connecticut	402,773	155,228	190,353	261,463	319,453	74.4	80.3	79.3
Middle Atlantic	**6,327,984**	**2,684,029**	**3,135,731**	**3,925,080**	**4,870,924**	**68.3**	**72.9**	**77.0**
New York	2,792,806	1,209,574	1,422,969	1,719,841	2,141,479	68.7	72.8	76.7
New Jersey	985,274	322,575	429,797	594,780	792,012	70.6	77.4	80.4
Pennsylvania	2,549,904	1,151,880	1,282,965	1,610,459	1,937,433	67.2	71.5	76.0
East North Central	**6,092,393**	**3,303,005**	**3,378,088**	**3,871,428**	**4,875,526**	**74.7**	**75.0**	**80.0**
Ohio	1,599,554	829,160	838,080	1,020,663	1,277,636	74.4	76.6	79.9
Indiana	783,553	564,807	531,459	566,288	667,379	78.7	79.4	85.2
Illinois	1,770,315	958,911	1,002,687	1,127,560	1,395,907	72.3	72.1	78.9
Michigan	1,195,057	504,985	541,501	691,674	970,582	78.3	79.3	81.2
Wisconsin	743,844	445,142	464,311	465,243	564,022	72.5	68.2	75.8
West North Central	**3,305,523**	**2,539,564**	**2,603,951**	**2,794,540**	**2,853,752**	**84.0**	**83.7**	**84.8**
Minnesota	657,090	399,207	440,083	503,597	551,741	78.3	81.8	84.0
Iowa	614,740	566,223	510,661	514,521	554,655	87.4	86.1	90.2
Missouri	860,094	719,817	707,031	672,483	656,073	82.2	78.3	76.3
North Dakota	204,010	77,686	139,802	168,283	169,277	86.1	84.6	83.0
South Dakota	195,477	98,822	126,253	146,955	165,624	78.1	82.0	84.7
Nebraska	357,648	288,227	[6] 281,375	311,821	325,216	87.0	90.5	90.9
Kansas	476,464	389,582	398,746	406,880	431,166	89.2	87.9	90.5
South Atlantic	**4,080,490**	**2,182,615**	**2,573,388**	**3,282,217**	**3,755,278**	**69.6**	**77.6**	**80.2**
Delaware	57,610	36,895	35,950	38,483	42,360	71.8	73.3	73.5
Maryland	402,562	222,373	238,393	241,618	277,459	70.1	66.9	68.9
Dist. of Columbia	88,104	46,519	55,774	65,298	80,965	84.7	84.3	91.9
Virginia	716,445	370,595	402,109	505,190	562,956	64.2	73.3	78.6
West Virginia	520,236	232,343	276,458	346,256	395,505	78.2	79.8	76.0
North Carolina	1,030,317	400,452	520,404	691,249	866,939	73.4	82.4	84.1
South Carolina	592,047	281,891	340,415	478,045	469,370	67.3	83.9	79.3
Georgia	894,723	482,673	555,794	[6] 690,918	713,290	66.7	[7] 74.0	79.7
Florida	378,446	108,874	148,089	225,160	346,434	68.5	82.6	91.5
East South Central	**2,935,749**	**1,748,578**	**1,916,364**	**2,137,794**	**2,434,538**	**73.7**	**77.2**	**82.9**
Kentucky	753,063	500,294	494,863	[8] 535,332	588,354	73.5	[8] 76.2	78.1
Tennessee	752,173	485,354	521,753	619,852	627,747	79.5	87.6	83.5
Alabama	817,365	376,423	424,611	569,940	622,988	62.5	74.1	76.2
Mississippi	613,148	386,507	469,137	[8] 412,670	595,449	80.2	[9] 69.8	97.1
West South Central	**3,489,536**	**1,270,031**	**1,903,625**	**2,462,181**	**2,881,420**	**69.4**	**77.7**	**82.6**
Arkansas	560,048	314,662	395,978	483,172	456,185	80.1	85.7	81.5
Louisiana	606,318	196,169	263,617	354,079	434,557	50.8	63.5	71.7
Oklahoma	695,334	99,602	422,399	589,282	682,650	83.1	92.6	98.2
Texas	1,627,836	659,598	821,631	1,035,648	1,308,028	67.3	73.4	80.4
Mountain	**1,004,328**	**341,123**	**525,118**	**794,530**	**898,248**	**80.7**	**90.6**	**89.4**
Montana	141,349	39,430	66,141	126,576	120,337	81.7	92.2	85.1
Idaho	127,201	36,669	76,168	115,192	120,947	88.7	94.8	95.1
Wyoming	57,795	14,512	24,584	43,112	54,505	81.6	91.6	94.3
Colorado	260,748	117,555	168,798	220,232	240,482	90.3	95.0	92.2
New Mexico	127,324	36,735	56,304	81,399	102,084	59.3	75.4	80.2
Arizona	117,218	16,504	31,312	76,505	103,806	62.5	88.0	88.6
Utah	153,686	73,042	91,611	117,406	138,046	84.5	87.2	89.8
Nevada	19,007	6,676	[6] 10,200	14,114	18,041	75.9	91.5	94.9
Pacific	**1,710,431**	**474,245**	**702,491**	**1,138,319**	**1,616,009**	**81.7**	**97.5**	**94.5**
Washington	357,028	115,104	215,688	291,053	344,731	86.2	94.1	96.6
Oregon	214,179	89,405	118,412	151,028	202,595	80.2	84.1	94.6
California	1,139,224	269,736	368,391	696,238	1,068,683	79.7	[10]	93.8
Alaska Territory	13,973			3,360	3,436		26.8	24.6
Canal Zone	8,729			8,486	7,003		85.4	80.2
Guam	5,186				3,683			71.0
Hawaii Territory	[11] 111,953			41,350	71,657			64.0
Philippine Islands	3,224,104			935,678	1,121,233			34.8
Puerto Rico	530,148			180,458	221,248			41.7
Virgin Islands	5,403				3,061			56.7
American Samoa	2,984				1,952			65.4

[1] Enrollment for 1930 not available. For total for elementary schools, 1930, see Table 99.
[2] Includes kindergarten. [3] Includes secondary pupils in local normal and vocational schools.
[4] 1908–9. [5] Elementary only. [6] Estimated. [7] Approximate.

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PUBLIC AND PRIVATE: ENROLLMENT AND ATTENDANCE

Public elementary and secondary schools—Continued							Private and parochial schools			Division and State or outlying area
Number enrolled, 1930		Average daily attendance	Average days attendance per year per pupil enrolled				Number enrolled [1]			
Elementary [2]	Secondary [3]	1930	1900	1910	1920	1930	1910	1920	1928	
21,278,593	4,399,422	21,264,886	99.0	113.0	121.2	143.0	1,558,457	1,699,481	2,576,157	C. U. S.
1,194,413	297,907	1,314,728	132.9	143.6	145.9	160.0	190,928	263,634	351,458	N. E.
124,450	30,005	138,043	105.2	118.5	142.4	160.0	14,137	16,698	26,351	Me.
60,082	14,158	65,966	106.3	128.6	144.3	159.0	14,331	24,209	26,568	N. H.
54,376	11,600	57,975	111.3	126.1	131.6	151.2	[4] 6,000	7,770	8,544	Vt.
594,084	165,408	675,676	145.7	154.2	149.6	163.1	96,464	129,268	201,336	Mass.
101,318	17,386	102,584	136.0	148.8	142.9	151.5	17,781	23,662	32,648	R. I.
260,103	59,350	274,482	135.8	143.5	144.1	157.9	42,215	62,027	56,011	Conn.
4,027,769	843,155	4,190,332	126.9	140.5	145.2	159.3	507,072	401,596	809,328	M. A.
1,716,645	424,834	1,866,243	131.8	149.0	148.8	163.4	267,072	238,478	381,325	N. Y.
672,083	119,929	662,961	119.9	138.9	151.3	157.7	65,000	40,124	127,395	N. J.
1,639,041	296,392	1,661,128	123.6	133.0	139.0	155.4	175,000	122,994	300,602	Pa.
3,896,553	978,973	4,259,502	119.0	130.0	134.9	159.2	405,417	534,830	748,428	E. N. C.
1,011,915	265,721	1,141,324	122.6	131.6	130.7	160.0	97,832	107,828	171,063	Ohio.
523,378	144,001	596,416	115.6	116.8	125.8	155.1	[4] 20,751	26,279	67,899	Ind.
1,094,788	301,119	1,203,537	123.4	133.7	144.9	162.5	[5] 167,929	241,739	270,819	Ill.
808,787	161,795	844,967	115.2	140.0	129.6	161.5	[5] 61,539	82,243	134,324	Mich.
457,685	106,337	473,258	111.4	124.4	138.9	150.3	57,366	76,741	104,323	Wis.
2,284,229	569,523	2,499,542	95.8	114.2	127.4	148.9	132,698	186,183	260,716	W. N. C.
453,128	98,613	456,836	91.8	118.0	125.5	149.1	21,000	45,374	60,033	Minn.
437,426	117,229	465,051	105.5	121.4	137.2	147.4	50,000	31,191	47,371	Iowa.
524,023	132,050	576,417	92.3	107.7	128.6	158.6	40,000	54,326	70,029	Mo.
139,580	29,697	148,614	87.3	94.9	127.4	145.5	1,000	6,288	8,528	N. Dak.
134,286	31,338	138,635	111.0	106.0	112.4	149.4	1,840	4,357	10,558	S. Dak.
256,230	68,986	259,188	102.7	118.9	122.3	139.6	[4] 9,000	23,927	24,847	Nebr.
339,556	91,610	364,801	84.8	119.5	124.8	143.7	[5] 9,768	20,720	39,350	Kans.
3,271,001	494,277	2,969,425	69.0	86.8	98.3	125.3	105,962	118,111	104,782	S. A.
35,351	7,009	36,255	116.6	108.3	129.2	156.6	3,750	5,405	7,189	Del.
235,163	42,296	235,555	110.6	113.7	130.3	158.0	20,000	27,285	43,164	Md.
64,566	16,399	68,312	136.5	145.0	143.8	146.5	6,000	12,057	10,678	D. C.
488,929	74,027	452,567	70.1	90.4	102.2	131.9	23,662	12,914	8,539	Va.
346,691	48,814	350,046	69.0	92.2	102.8	146.6	1,500	4,820	8,336	W. Va.
750,002	116,937	672,895	36.4	64.9	91.8	119.7	[4] 26,200	25,398	9,091	N. C.
416,483	52,887	348,482	63.2	75.4	76.0	109.1	10,650	9,340	3,449	S. C.
632,589	80,701	538,271	69.3	92.5	98.0	111.7	6,000	14,030	7,730	Ga.
301,227	45,207	267,042	69.7	80.9	98.0	119.0	8,200	6,862	6,606	Fla.
2,189,035	245,503	1,894,539	65.8	80.1	84.3	114.7	82,052	69,425	71,094	E. S. C.
525,884	62,470	432,862	72.9	79.6	78.7	121.4	21,295	18,578	37,542	Ky.
558,056	69,691	481,962	67.0	90.6	98.5	125.3	37,124	23,762	6,609	Tenn.
561,934	61,054	473,553	61.9	73.6	79.4	114.0	16,133	18,598	17,826	Ala.
543,161	52,288	436,162	----	74.6	76.9	97.7	[4] 7,500	8,487	9,047	Miss.
2,437,000	444,420	2,224,356	67.9	82.2	103.4	118.1	53,777	56,171	98,445	W. S. C.
409,905	46,280	330,825	48.1	68.6	85.2	108.3	5,777	2,986	6,855	Ark.
376,714	57,843	349,594	89.5	93.9	107.7	121.5	34,000	26,647	42,776	La.
578,491	104,159	470,090	61.0	78.8	100.5	119.4	4,000	8,772	6,746	Okla.
1,071,890	236,138	1,073,847	71.9	86.8	112.0	126.4	[4] 10,000	17,766	42,068	Tex.
727,681	170,567	730,013	84.3	100.6	120.3	140.5	34,377	25,539	43,459	Mt.
95,550	24,787	105,327	71.4	115.5	120.7	151.9	6,998	3,735	9,692	Mont.
93,775	27,172	98,479	63.5	91.3	126.9	132.4	1,500	3,000	2,952	Idaho.
43,341	11,164	47,730	73.3	101.5	117.4	141.3	[4] 116	1,051	796	Wyo.
197,265	43,217	190,742	93.4	99.3	114.4	142.8	4,000	3,854	12,719	Colo.
89,497	12,587	76,216	59.0	66.4	120.5	128.5	5,000	4,178	8,296	N. M.
88,547	15,259	75,969	77.1	87.3	98.6	128.1	9,913	3,185	4,196	Ariz.
105,427	32,619	120,573	101.4	124.6	138.5	150.7	6,500	6,218	4,808	Utah.
14,279	3,762	14,977	108.4	106.0	125.8	148.5	350	318	----	Nev.
1,250,912	365,097	1,342,451	105.1	132.9	124.5	148.7	46,244	43,992	88,523	Pac.
259,303	85,428	278,520	82.8	124.7	123.1	145.0	7,209	8,450	20,703	Wash.
154,908	47,687	155,166	84.0	121.8	137.5	140.1	6,233	6,051	10,599	Oreg.
836,701	231,982	908,765	121.6	142.0	120.2	151.6	32,802	29,491	57,221	Calif.
2,651	785	2,899	----	----	132.3	148.7	----	----	----	Alaska.
6,371	632	6,070	----	----	114.2	180.0	----	----	----	C. Z.
3,649	34	3,532	----	----	----	194.7	----	----	127	Guam.
64,591	7,006	68,510	----	----	168.3	161.6	----	7,573	9,497	Hawaii.
1,050,078	71,155	1,008,904	----	----	156.0	172.8	----	36,534	77,546	P. I.
214,194	7,054	193,396	----	----	145.7	167.1	----	5,823	7,365	P. R.
2,998	63	3,061	----	----	----	----	----	----	1,131	V. I.
1,952	----	----	----	----	----	----	----	----	400	A. S.

[2] 1919. [3] Enrollment figures from the Bureau of the Census.
[10] The enrollment in schools was 2.5 per cent larger than the number of persons 5-17 years of age in 1920.
[11] Persons 6-17 years.
Source: Office of Education, Department of the Interior.

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No. 105.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: EXPENDITURES

NOTE.—Figures include new buildings as well as operation and equipment expenditures. Expenditures per capita of total population for outlying territories and possessions for 1930 were as follows: Alaska, $7.58; Canal Zone, $9.60; Guam, $2.95; Hawaii, $15.31; Philippine Islands, $1.18; Puerto Rico, $3.43; Virgin Islands, $4.99; American Samoa, $1.72

Division and State	Total expenditures (thousands of dollars)				Per capita of total population (dollars)				Per capita of population 5–17, inclusive (dollars)			
	1900	1910	1920	1930	1900	1910	1920	1930	1900	1910	1920	1930
Continental U. S.	214,965	426,250	1,036,151	2,316,790	2.84	4.64	9.80	18.67	10.04	17.58	37.37	73.38
New England	22,403	34,270	75,796	159,625	4.01	5.23	10.24	19.55	17.75	23.14	44.38	81.24
Maine	1,713	2,934	6,404	11,186	2.47	3.95	8.34	14.03	10.65	17.26	35.49	57.13
New Hampshire	1,052	1,654	3,811	6,919	2.56	3.84	8.60	14.87	11.85	17.31	38.19	63.34
Vermont	1,074	1,609	3,588	5,660	3.13	4.52	10.18	15.74	13.38	19.42	42.62	64.64
Massachusetts	13,826	20,136	40,909	86,891	4.93	5.98	10.62	20.45	22.19	26.80	46.75	86.92
Rhode Island	1,549	2,487	4,766	13,260	3.61	4.59	7.89	19.29	15.39	19.80	33.33	78.05
Connecticut	3,189	5,450	16,318	35,709	3.51	4.91	11.82	22.22	15.31	21.31	50.12	88.66
Middle Atlantic	61,507	108,915	220,446	661,730	3.98	5.64	9.90	25.20	15.85	23.72	40.97	104.57
New York	33,421	51,862	106,045	360,854	4.00	5.69	10.21	28.67	19.22	25.02	44.90	129.21
New Jersey	6,609	17,065	40,910	117,634	3.51	6.72	12.96	29.11	14.04	28.03	53.27	119.39
Pennsylvania	21,477	39,988	73,491	183,242	3.41	5.22	8.43	19.03	12.85	20.94	32.64	71.86
East North Central	52,066	99,833	247,489	536,770	3.26	5.47	11.52	21.22	11.88	22.08	47.93	88.11
Ohio	13,335	25,500	67,427	145,910	3.21	5.35	11.71	21.95	12.13	22.63	50.63	91.22
Indiana	8,183	14,911	35,765	63,330	3.25	5.52	12.20	19.56	11.75	22.10	50.18	80.82
Illinois	17,757	34,036	69,358	154,142	3.08	6.04	10.69	20.20	13.46	24.53	44.32	87.07
Michigan	7,298	14,597	47,684	119,300	3.01	5.20	13.00	24.64	11.15	21.12	54.69	99.83
Wisconsin	5,493	10,789	27,255	54,088	2.65	4.64	10.36	18.40	8.95	16.84	39.93	72.71
West North Central	34,100	65,200	173,088	255,941	3.30	5.60	13.80	19.25	11.20	21.03	53.15	76.05
Minnesota	5,630	13,724	35,734	51,600	3.21	6.60	14.97	20.13	10.94	24.41	58.04	78.53
Iowa	8,497	12,767	37,334	50,737	3.81	5.76	15.53	20.53	13.36	21.85	62.44	82.53
Missouri	7,816	13,067	28,707	55,907	2.52	3.97	8.43	15.40	8.54	15.20	33.41	65.00
North Dakota	1,526	4,550	12,883	16,446	4.78	7.89	19.92	24.16	15.96	28.02	64.81	80.61
South Dakota	1,606	3,825	11,593	15,304	4.00	6.56	18.21	22.09	12.92	23.66	65.43	78.29
Nebraska	4,403	7,454	20,580	27,142	4.13	6.27	15.88	19.70	13.67	23.04	59.75	75.89
Kansas	4,622	9,813	26,257	38,805	3.14	5.81	14.84	20.63	10.58	21.95	56.71	81.44
South Atlantic	12,922	26,763	73,475	184,089	1.24	2.19	5.25	11.66	3.89	7.23	17.37	39.33
Delaware	454	605	1,677	5,090	2.40	3.00	7.52	21.35	9.26	12.09	31.91	88.35
Maryland	2,803	3,792	8,242	24,672	2.30	2.92	5.69	15.12	8.45	11.16	22.81	61.29
Dist. of Col.	1,077	2,680	4,297	12,666	3.86	8.10	9.82	26.02	17.78	40.68	55.45	143.76
Virginia	1,989	4,408	12,975	23,636	1.07	2.15	5.62	9.76	3.39	7.04	18.82	32.99
West Virginia	2,009	4,094	11,402	28,219	2.10	3.36	7.79	16.32	6.80	11.59	26.28	54.24
North Carolina	950	3,038	12,148	37,274	.50	1.38	4.75	11.76	1.51	4.28	14.48	36.18
South Carolina	894	1,952	6,627	15,327	.67	1.29	3.94	8.81	1.93	3.86	11.63	25.89
Georgia	1,980	4,420	9,076	18,677	.89	1.70	3.13	6.42	2.68	5.30	9.72	20.87
Florida	766	1,774	7,031	18,528	1.45	2.36	7.26	12.62	4.68	8.21	25.79	48.96
East South Central	7,097	15,683	32,852	84,627	.94	1.86	3.69	8.56	2.90	6.05	11.86	28.83
Kentucky	3,038	5,649	8,117	22,939	1.41	2.47	3.36	8.77	4.57	8.39	11.56	30.46
Tennessee	1,751	4,403	10,141	22,655	.87	2.02	4.34	8.66	2.71	6.71	14.33	30.12
Alabama	923	2,905	9,119	21,643	.50	1.36	3.88	8.18	1.51	4.28	11.85	26.48
Mississippi	1,385	2,726	[1] 5,475	17,390	.89	1.52	3.06	8.65	2.63	4.66	9.26	28.36
West South Central	7,656	25,955	75,586	146,935	1.25	2.95	7.38	12.07	3.76	9.46	23.85	42.11
Arkansas	1,370	3,187	7,707	14,147	1.04	2.04	4.40	7.63	3.09	6.45	13.67	25.26
Louisiana	1,135	4,252	11,367	21,836	.82	2.57	6.32	10.39	2.52	8.20	20.39	36.01
Oklahoma	686	6,739	22,906	32,802	1.72	4.07	11.29	13.69	5.50	13.25	36.00	47.17
Texas	4,465	11,777	33,606	78,150	1.46	3.02	7.21	13.42	4.38	9.65	23.81	48.01
Mountain	6,334	16,282	57,845	87,029	3.78	6.18	17.34	23.51	14.18	25.02	65.53	86.65
Montana	923	2,634	12,208	13,671	3.79	7.01	22.24	25.43	17.05	32.54	88.88	96.72
Idaho	400	2,175	8,592	10,326	2.47	6.68	19.89	23.20	8.64	25.32	70.68	81.18
Wyoming	254	796	3,742	6,483	2.74	5.46	19.25	28.74	11.47	26.42	79.50	112.17
Colorado	2,794	5,211	13,200	24,499	5.18	6.52	14.05	23.65	20.96	27.87	56.94	93.96
New Mexico	343	793	4,140	6,799	1.76	2.43	11.49	16.06	5.74	8.36	38.33	53.40
Arizona	300	1,001	6,339	10,853	2.44	4.91	18.97	24.92	9.43	19.98	72.91	92.59
Utah	1,095	3,053	8,240	11,643	3.96	8.19	18.34	22.93	12.14	28.16	61.22	75.76
Nevada	225	619	1,384	2,755	5.30	7.57	16.59	30.26	24.92	46.09	89.75	144.95
Pacific	10,879	33,350	79,573	200,044	4.50	7.96	14.29	24.41	18.79	38.78	68.13	116.96
Washington	2,376	10,493	20,595	33,528	4.59	9.21	15.18	21.45	18.13	41.94	66.59	93.91
Oregon	1,594	4,646	9,998	19,573	3.86	6.90	12.76	20.52	14.64	31.46	55.67	91.39
California	6,909	18,211	48,980	146,943	4.65	7.66	14.29	25.88	20.38	39.40	72.12	128.99

[1] Figure for 1919.

Source: Office of Education, Department of the Interior.

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No. 106.—PUBLIC ELEMENTARY AND SECONDARY SCHOOLS: ENROLLMENT OF WHITE AND COLORED SCHOOL POPULATION IN 17 STATES

State	Enrollment in elementary and secondary schools				Ratio of enrollment in public schools to school population, per cent				Average number of days attended by each pupil enrolled, 1930	
	White		Colored		White		Colored			
	1920	1930	1920	1930	1920	1930	1920	1930	White	Colored
Total	6,038,670	6,903,913	1,980,673	2,235,042	0.806	0.897	0.698	0.785	117	95
Delaware	31,897	35,629	6,586	6,731	.711	.785	.858	.840	159	143
Maryland	197,088	225,769	44,530	51,690	.663	.752	.694	.738	162	140
District of Columbia	45,775	53,934	19,523	27,031	.826	.984	.883	1.043	147	145
Virginia	360,941	409,310	144,249	153,646	.762	.911	.668	.735	138	115
West Virginia	328,719	369,367	17,537	26,138	.796	.828	.845	.895	147	135
North Carolina	478,189	607,344	213,060	259,595	.833	.972	.805	.817	128	101
South Carolina	226,065	248,200	251,980	221,170	.876	.984	.808	.757	133	83
Georgia	428,960	468,249	261,958	245,041	.812	.976	.647	.710	118	99
Florida	157,666	254,575	67,494	91,859	.833	1.079	.717	.815	125	103
Tennessee	512,821	514,345	107,031	113,402	.891	.825	.810	.825	127	119
Alabama	401,582	428,257	168,358	194,731	.856	.938	.561	.662	122	97
Mississippi	[1] 220,861	302,640	[1] 191,809	292,809	.802	1.218	.608	.933	125	69
Missouri	646,035	619,854	26,448	36,219	.785	.830	.737	.803		
Arkansas	360,826	351,076	122,346	105,109	.869	.937	.824	.755	114	89
Louisiana	236,301	277,707	117,778	155,850	.700	.731	.536	.693	144	82
Oklahoma	544,821	633,369	44,461	49,281	.925	1.075	.940	1.003	120	109
Texas	860,123	1,104,288	175,525	203,740	.729	.794	.761	.844	131	101

[1] Figures from report of the Bureau of the Census, 1920.

No. 107.—PUBLIC HIGH SCHOOLS: TEACHERS AND PUPILS, 1930

NOTE.—Data include seventh and eighth grade pupils in junior high schools. See headnote, Table 100.

Division and State or outlying area	Number reporting	Teachers	Pupils	
			Males	Females
Cont'l U. S.	22,237	213,306	2,522,816	2,689,363
New England	919	15,049	176,749	184,116
Maine	217	1,362	14,592	16,081
N. Hampshire	105	862	9,133	9,814
Vermont	85	545	5,914	6,644
Massachusetts	371	8,617	103,389	106,275
Rhode Island	33	1,073	13,224	13,531
Connecticut	108	2,590	30,497	31,771
Mid. Atlantic	2,397	43,023	563,925	556,989
New York	943	20,437	295,278	276,982
New Jersey	215	6,063	74,399	72,435
Pennsylvania	1,169	16,523	199,248	207,572
E. N. Central	4,245	47,521	568,498	586,796
Ohio	1,241	13,326	166,297	171,306
Indiana	819	7,791	84,647	86,071
Illinois	1,000	11,933	146,480	144,921
Michigan	701	9,289	111,356	118,124
Wisconsin	484	5,182	59,718	66,374
W. N. Central	4,590	28,869	307,991	350,085
Minnesota	563	5,268	56,716	69,217
Iowa	959	6,494	67,645	75,247
Missouri	1,002	5,591	66,627	71,478
North Dakota	408	1,356	13,145	17,548
South Dakota	334	1,603	14,311	18,204
Nebraska	598	3,281	34,979	39,737
Kansas	726	5,276	54,568	58,654
S. Atlantic	2,994	21,169	236,291	287,562
Delaware	30	370	4,301	4,836
Maryland	195	2,248	26,944	30,677
D. C.	21	956	10,826	12,225
Virginia	462	2,956	32,756	42,352
West Virginia	361	3,011	33,689	37,752
N. Carolina	883	4,512	52,113	66,597
S. Carolina	338	1,991	20,254	25,486
S. Atl.—Contd.				
Georgia	444	2,583	29,013	36,700
Florida	260	2,542	26,395	30,937
E. S. Central	2,293	11,377	126,418	150,922
Kentucky	682	3,143	33,517	39,474
Tennessee	588	2,932	34,016	42,170
Alabama	373	2,905	34,573	39,918
Mississippi	650	2,397	24,312	29,360
W. S. Central	2,746	18,195	211,434	237,180
Arkansas	370	2,231	28,260	31,404
Louisiana	341	1,981	20,605	25,720
Oklahoma	816	5,092	58,182	64,299
Texas	1,219	8,891	104,387	115,757
Mountain	1,018	8,553	96,621	104,069
Montana	200	1,235	12,812	15,082
Idaho	172	1,171	13,351	14,820
Wyoming	94	604	5,962	6,944
Colorado	228	2,651	28,330	30,203
New Mexico	120	616	6,823	7,385
Arizona	57	729	8,088	8,075
Utah	113	1,345	18,827	19,240
Nevada	34	202	2,428	2,340
Pacific	1,105	19,550	229,889	231,624
Washington	346	3,560	46,223	48,866
Oregon	284	2,065	26,075	26,461
California	475	13,905	167,591	156,297
Alaska	15	57	416	428
Canal Zone	2	28	470	447
Guam	1	2	22	12
Hawaii	13	344	4,491	3,780
Philippine Is.	52	831	24,075	16,017
Puerto Rico	17	181	1,855	1,983
Virgin Islands	3	15	167	166

Source of Tables 106 and 107: Office of Education, Department of the Interior.

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No. 108.—SCHOOL STATISTICS OF NONCONTIGUOUS TERRITORIES AND POSSESSIONS

	1899–1900 [1]	1909–10	1919–20	1927–28	1928–29	1929–30	1930–31
HAWAII TERRITORY							
Public schools:							
Number	140	152	173	185	187	181	183
Teachers	352	486	1,161	2,298	2,485	2,563	2,656
Male	112	106	143	388	448	469	491
Female	240	380	1,018	1,910	2,037	2,094	2,165
Pupils [2]	11,501	19,909	38,295	66,434	70,232	73,180	76,530
Male	6,339	10,937	20,044	34,062	36,148	37,682	39,430
Female	5,162	8,972	18,251	32,372	34,084	35,498	37,100
Hawaiian	4,977	4,381	3,293	3,355	3,376	3,321	3,206
Part-Hawaiian	2,631	3,842	4,100	7,109	7,446	7,679	8,073
Anglo-Saxon	1,250	1,505	1,033	2,974	3,001	2,993	3,210
Spanish			379	261	248	258	253
Portuguese	3,809	4,662	5,304	5,993	6,093	6,091	5,881
Japanese	1,352	7,078	17,541	34,621	37,112	39,115	41,251
Chinese	1,289	2,855	3,721	6,157	6,545	6,706	6,826
Puerto Rican		372	1,068	1,053	1,097	1,163	1,257
Korean		260	508	1,444	1,590	1,719	1,859
Filipino			941	2,796	3,026	3,344	3,807
All other	229	582	407	671	698	791	907
PUERTO RICO							
Population	953,243	[3]1,118,012	[3]1,299,809	[4]1,502,237	[4]1,526,052	[3]1,544,000	[4]1,573,700
Persons of school age	322,393	[3]361,967	[3]438,743	[4]514,542	[4]523,460	[3]530,148	[4]541,300
Persons attending school	25,528	121,453	184,991	220,940	220,634	221,248	226,215
Teachers	525	1,692	3,286	4,478	4,498	4,451	4,523
Public-school buildings	[5]	274	569	1,035	1,047	1,080	1,078
Rented buildings	[5]	751	1,334	1,109	1,191	1,170	914
Schoolrooms	525	[6]	3,096	4,470	4,602	4,690	4,462
School expenditures	$288,098	$1,244,502	$3,150,761	$6,503,842	$6,433,150	$5,074,936	[7]$5,554,544
For university			$188,884	$669,376	$615,708	$587,615	[7]
Expenditures per inhabitant	$0.30	$1.11	$2.42	$4.33	$4.22	$3.87	$3.53
PHILIPPINE ISLANDS							
Schools	2,285	4,531	5,944	7,348	7,616	7,821	
Primary	2,233	4,295	5,280	5,946	7,486	7,694	
Intermediate	17	198	614	1,276			
Secondary	35	38	50	126	130	127	
Teachers	4,641	9,007	17,575	26,251	27,566	28,519	
American	787	732	341	293	292	263	
Filipino	3,854	8,275	17,234	25,958	27,274	28,256	
Highest monthly enrollment	[8]227,600	[9]451,938	[10]678,956	[10]1,035,554	[10]1,047,981	[10]1,100,896	
ALASKA TERRITORY							
Native schools: [11]							
Number	25	77	67	95	93	93	105
Pupils enrolled	1,753	3,964	3,610	3,742	3,750	3,899	4,206
Average attendance		1,692	2,367	2,615	2,643	3,029	3,172
Teachers	27	103	138	177	187	195	219
Teachers' salaries	$18,341	$85,834	$122,014	$227,857	$222,370	$229,667	$340,000
Total cost	$29,274	$195,613	$249,456	$469,400	$486,500	$580,400	$752,690
White schools: [12]							
Teachers			163	235	244	253	259
Pupils enrolled		[13]621	3,418	4,828	5,032	5,066	5,304
Average attendance			[14]1,635	3,970	4,093	4,167	4,459
Expenditures		[13]$36,486	$330,038	$584,829	$541,772	$594,662	$595,193

[1] Statistics for Puerto Rico are for 1898–99; for Philippine Islands, for 1903–4.
[2] Figures by race for 1899–1900 include 4,036 pupils in private schools, and for 1909–10, 5,628; thereafter, all figures are for public schools only. The number of pupils in private schools in 1919–20 was 7,406; 1927–28, 9,497; 1928–29, 11,075; 1929–30, 11,835; and 1930–31, 12,178.
[3] Censuses of 1910, 1920, and 1930, respectively.
[4] Census estimates as of July 1, 1928, 1929, and 1931.
[5] No school buildings on the island, the 525 schools in operation being conducted, as a rule, in teachers' residences.
[6] Not available. [7] Data for the University of Puerto Rico not available. [8] March.
[9] September. [10] Average monthly enrollment.
[11] Statistics for 1899–1900 are for all public schools.
[12] Including mixed schools outside of incorporated towns and districts.
[13] Native and mixed schools outside of incorporated towns only.
[14] Mixed and white schools outside of incorporated towns not included.

Sources: Hawaii and Puerto Rico, reports of the Governor of Hawaii and Puerto Rico, respectively. Philippine Islands, reports of the director of education. Alaska, native schools, Office of Education. Department of the Interior; white schools, reports of the Governor of Alaska.

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No. 109.—UNIVERSITIES, COLLEGES, AND PROFESSIONAL SCHOOLS: LIBRARIES AND OTHER PROPERTY

[All money figures in thousands of dollars]

Division and State or Territory	Volumes in libraries		Value of libraries, scientific apparatus, machinery, and furniture		Value of grounds, buildings, and dormitories		Productive funds		
	1920	1930	1920	1930	1920	1930	1910	1920	1930
Cont'l U. S.	24, 191, 204	44, 396, 422	110, 848	243, 297	535, 683	1, 479, 734	259, 377	556, 350	1, 347, 676
New England	5, 831, 211	8, 566, 647	12, 473	25, 573	61, 432	139, 228	62, 876	137, 747	346, 694
Maine	296, 000	405, 645	1, 348	935	2, 945	7, 138	3, 226	3, 679	10, 438
New Hampshire	203, 765	329, 845	353	1, 309	3, 819	8, 788	3, 280	5, 284	16, 153
Vermont	193, 000	232, 178	613	385	2, 448	5, 040	1, 189	2, 581	6, 136
Massachusetts	3, 326, 606	4, 832, 681	6, 585	10, 689	33, 659	67, 098	36, 541	92, 571	211, 230
Rhode Island	295, 200	444, 824	173	465	812	6, 939	3, 467	3, 266	10, 870
Connecticut	1, 516, 640	2, 321, 474	3, 401	11, 790	17, 749	44, 225	15, 173	30, 366	91, 867
Middle Atlantic	4, 726, 388	8, 340, 144	23, 740	40, 573	142, 201	384, 470	59, 009	153, 262	312, 096
New York	2, 327, 391	4, 861, 059	11, 731	21, 932	82, 421	216, 040	45, 301	91, 564	208, 265
New Jersey	613, 526	660, 837	712	3, 219	4, 467	27, 006	1, 553	13, 243	15, 128
Pennsylvania	1, 785, 471	2, 818, 248	11, 297	15, 422	55, 313	141, 424	12, 155	48, 455	88, 703
East North Central	4, 995, 325	9, 450, 155	24, 455	54, 221	98, 599	293, 950	50, 382	88, 071	249, 182
Ohio	1, 410, 005	2, 720, 349	6, 052	13, 164	28, 621	87, 815	13, 762	23, 004	84, 983
Indiana	536, 711	950, 859	3, 668	6, 168	13, 341	34, 826	4, 605	7, 948	20, 577
Illinois	1, 828, 636	3, 300, 050	7, 836	14, 459	33, 882	93, 743	25, 840	46, 943	118, 890
Michigan	661, 646	1, 276, 709	3, 912	13, 919	11, 148	51, 200	3, 157	3, 411	12, 308
Wisconsin	558, 327	1, 202, 188	2, 987	6, 511	11, 607	26, 366	3, 018	6, 765	12, 424
West North Central	2, 705, 079	5, 204, 692	17, 252	40, 258	66, 121	184, 925	22, 906	46, 794	91, 250
Minnesota	507, 788	1, 170, 048	3, 666	7, 804	16, 040	40, 128	2, 827	7, 818	19, 819
Iowa	580, 179	1, 058, 257	4, 808	9, 668	15, 665	32, 255	4, 845	10, 797	14, 346
Missouri	712, 286	1, 344, 795	3, 787	9, 781	14, 015	44, 417	8, 928	17, 152	34, 068
North Dakota	104, 750	167, 623	759	1, 613	2, 041	4, 143	2, 700	3, 788	4, 696
South Dakota	101, 936	205, 220	505	1, 836	2, 485	6, 331	482	968	3, 708
Nebraska	228, 940	505, 403	1, 104	3, 189	6, 053	15, 393	1, 316	2, 449	6, 642
Kansas	469, 200	753, 346	2, 623	6, 367	9, 822	22, 253	1, 808	3, 822	7, 971
South Atlantic	2, 347, 485	4, 280, 015	10, 356	27, 756	73, 119	212, 842	13, 666	34, 562	123, 186
Delaware	27, 000	41, 500	258	1, 065	1, 407	2, 749	83	395	681
Maryland	486, 372	833, 449	2, 566	4, 959	20, 488	45, 516	4, 759	10, 808	31, 218
Dist. of Columbia	431, 992	448, 121	727	1, 447	6, 143	15, 050	387	3, 851	6, 137
Virginia	441, 400	733, 412	1, 671	3, 498	10, 880	31, 383	3, 939	7, 369	23, 253
West Virginia	93, 000	233, 854	[1] 68	1, 970	3, 684	12, 824	435	973	3, 222
North Carolina	262, 498	825, 117	1, 444	5, 057	7, 846	52, 674	1, 237	2, 936	35, 286
South Carolina	231, 469	402, 006	1, 770	3, 760	9, 867	18, 126	930	1, 735	5, 054
Georgia	290, 643	562, 522	1, 438	4, 140	10, 619	27, 657	1, 161	5, 071	15, 497
Florida	83, 111	200, 034	414	1, 860	2, 185	6, 863	735	1, 424	2, 838
East South Central	692, 875	1, 637, 729	4, 213	10, 201	21, 433	66, 552	8, 377	17, 015	57, 249
Kentucky	207, 112	500, 859	947	1, 962	5, 042	14, 225	1, 860	4, 042	17, 100
Tennessee	262, 545	634, 675	1, 345	3, 698	7, 563	27, 761	3, 603	8, 833	29, 949
Alabama	125, 176	268, 137	856	2, 067	4, 997	11, 596	1, 464	2, 489	6, 267
Mississippi	97, 842	234, 058	1, 065	2, 474	3, 831	12, 970	1, 450	1, 651	3, 933
West South Central	768, 149	2, 083, 860	6, 028	18, 979	25, 763	82, 410	7, 691	16, 230	64, 895
Arkansas	81, 343	213, 685	639	1, 494	3, 264	7, 434	227	770	2, 190
Louisiana	166, 134	336, 305	863	2, 809	5, 159	17, 485	3, 116	6, 488	12, 958
Oklahoma	91, 480	313, 084	943	2, 898	3, 814	12, 049	1, 518	3, 925	4, 989
Texas	429, 192	1, 220, 786	3, 583	9, 778	13, 525	45, 442	2, 830	5, 047	44, 758
Mountain	629, 392	1, 451, 323	3, 537	7, 998	11, 549	36, 978	3, 223	4, 692	16, 964
Montana	74, 500	253, 321	390	959	1, 325	5, 288	1, 209	-------	3, 025
Idaho	56, 700	120, 500	512	652	1, 382	2, 174	577	1, 719	2, 509
Wyoming	46, 000	75, 351	325	511	655	2, 195	23	807	2, 318
Colorado	245, 779	538, 268	910	3, 030	3, 802	14, 658	1, 237	1, 637	5, 836
New Mexico	34, 562	70, 348	349	674	765	2, 706	22	70	736
Arizona	32, 600	90, 700	206	275	1, 123	2, 548	10	10	728
Utah	103, 751	252, 810	623	1, 494	1, 931	5, 883	-------	120	1, 477
Nevada	35, 500	50, 025	222	403	566	1, 526	145	329	335
Pacific	1, 495, 509	3, 381, 857	8, 794	19, 738	35, 467	98, 379	31, 247	57, 977	86, 160
Washington	251, 507	600, 711	1, 402	3, 271	5, 293	13, 515	802	8, 449	9, 988
Oregon	216, 304	477, 101	1, 109	3, 194	4, 830	12, 488	656	4, 244	5, 371
California	1, 027. 689	2, 304, 045	6, 283	13, 273	25, 344	72, 376	29, 789	45, 284	70, 801
Alaska Territory	-------	11, 016	-------	166	-------	232	-------	-------	50
Hawaii Territory	21, 788	50, 194	169	391	275	2, 409	-------	-------	6
Puerto Rico	8, 000	25, 210	102	262	242	716	-------	11	335
Philippine Islands	-------	-------	-------	548	-------	1, 778	-------	-------	-------

[1] Data for University of West Virginia not included.

Source: Office of Education, Department of the Interior.

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No. 110.—UNIVERSITIES, COLLEGES, AND

Division and State or outlying area	Number of institutions, 1930	Professors and instructors, 1930		Students—Total enrollment, excluding duplicates					
		Male	Female	1900	1910	1920	1930		
							Total	Male	Female
Continental U. S.	1,078	55,861	15,861	[1] 224,284	[1] 332,696	521,754	971,584	604,243	367,341
New England	59	5,394	915	19,356	25,379	44,657	73,569	52,438	21,131
Maine	5	255	31	1,520	2,012	2,647	3,353	2,474	879
New Hampshire	3	400	23	955	1,566	2,668	4,071	3,576	495
Vermont	4	248	39	676	926	1,643	2,344	1,538	806
Massachusetts	33	3,422	710	12,312	15,726	31,334	52,117	35,542	16,575
Rhode Island	4	238	19	943	1,170	1,738	3,653	2,866	787
Connecticut	10	831	93	2,950	3,979	4,627	8,031	6,442	1,589
Middle Atlantic	140	13,878	2,667	32,321	52,191	105,501	239,846	150,329	79,517
New York	61	7,789	1,693	17,063	29,517	62,579	150,135	93,524	56,611
New Jersey	15	866	116	2,394	3,030	4,235	12,028	10,021	2,007
Pennsylvania	64	5,223	858	13,364	19,644	38,687	67,683	46,784	20,899
East North Central	178	10,928	2,800	41,959	74,474	122,614	213,823	135,558	78,265
Ohio	53	3,177	938	11,794	19,105	31,699	65,411	38,097	27,314
Indiana	25	1,193	315	4,908	12,775	16,820	21,888	15,072	6,816
Illinois	58	3,707	891	15,397	26,191	44,938	75,227	47,738	27,489
Michigan	28	1,715	390	5,737	8,508	14,817	33,315	22,690	10,625
Wisconsin	14	1,136	266	4,123	7,895	14,340	17,982	11,961	6,021
West North Central	187	6,866	2,572	31,767	48,203	80,245	114,264	68,987	45,277
Minnesota	28	1,191	504	4,821	7,481	17,210	24,186	15,127	9,059
Iowa	42	1,382	586	7,437	11,148	18,986	22,016	13,475	8,541
Missouri	49	1,683	553	7,978	10,011	16,319	25,875	16,111	9,764
North Dakota	5	258	82	644	1,419	2,777	4,302	2,654	1,648
South Dakota	10	260	127	1,388	2,187	3,095	4,816	2,807	2,009
Nebraska	18	727	285	3,918	5,532	9,088	14,378	8,240	6,138
Kansas	35	865	435	5,581	10,425	12,770	18,691	10,573	8,118
South Atlantic	168	6,578	2,175	24,545	34,549	59,391	101,877	61,009	40,868
Delaware	1	58	22	137	291	498	711	398	313
Maryland	17	1,485	298	3,284	4,136	9,763	14,036	9,432	4,604
Dist. of Columbia	10	1,207	118	2,872	4,361	9,401	15,415	10,435	4,980
Virginia	30	988	310	4,032	6,149	9,174	14,996	9,958	5,038
West Virginia	13	337	136	996	1,502	3,183	7,228	3,946	3,282
North Carolina	35	861	474	4,659	6,088	8,885	17,273	9,829	7,444
South Carolina	21	516	261	3,662	5,325	5,486	10,647	5,027	5,620
Georgia	33	830	397	4,220	5,597	10,856	15,532	8,738	6,794
Florida	8	296	159	683	1,100	2,145	6,039	3,246	2,793
East South Central	89	2,405	979	20,781	22,685	23,737	46,391	25,886	20,505
Kentucky	28	657	217	5,309	5,353	6,720	11,756	6,807	4,949
Tennessee	30	978	297	8,919	10,205	7,365	15,678	8,701	6,977
Alabama	12	479	214	3,060	2,808	5,456	10,719	6,530	4,189
Mississippi	19	291	251	3,493	4,319	4,196	8,238	3,848	4,390
West South Central	124	3,428	1,638	10,755	17,789	32,111	74,057	40,027	34,030
Arkansas	18	359	179	1,991	2,467	3,141	7,051	3,922	3,129
Louisiana	10	721	214	2,611	3,914	4,102	10,213	6,008	4,205
Oklahoma	21	690	324	851	2,473	6,187	16,147	9,017	7,130
Texas	75	1,658	921	5,302	8,935	18,681	40,646	21,080	19,566
Mountain	39	1,603	573	5,553	8,174	13,643	30,252	18,336	11,916
Montana	5	156	58	345	577	1,727	3,337	2,124	1,213
Idaho	5	167	57	226	634	1,624	3,089	1,706	1,383
Wyoming	1	74	36	187	242	511	1,330	775	555
Colorado	13	601	200	2,471	4,133	4,211	9,152	5,875	3,277
New Mexico	4	127	27	382	455	1,006	2,228	1,549	679
Arizona	3	139	49	161	200	1,088	2,848	1,683	1,165
Utah	7	285	135	1,457	1,599	3,046	7,222	4,025	3,197
Nevada	1	54	10	324	334	430	1,046	599	447
Pacific	94	5,281	1,543	9,022	17,246	39,855	87,505	51,673	35,832
Washington	14	744	264	1,571	4,323	8,748	15,954	9,761	6,193
Oregon	12	782	147	1,604	3,083	7,327	10,125	6,442	3,683
California	68	3,755	1,132	5,847	9,840	23,780	61,426	35,470	25,956
Alaska	1	14	4	----	----	----	86	52	34
Hawaii	1	58	18	----	64	171	965	545	420
Puerto Rico	1	78	46	----	652	884	1,779	882	897
Philippine Islands	1	326	57	----	----	----	7,261	4,788	2,473

[1] Includes engineering.
[2] Includes, theology, law, medicine, dentistry, pharmacy, osteopathy, and veterinary medicine.
[3] Students classified as "special."

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PROFESSIONAL SCHOOLS: By States

Students, 1930										Total receipts, exclusive of additions to endowments (thousands of dollars)		Division and State or outlying area
Preparatory		Collegiate[1]		Graduate		Professional[2]		All other departments[3]				
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	1920	1930	
27,766	19,543	441,985	311,842	29,070	18,185	92,786	5,255	15,923	14,225	189,235	567,618	C. U. S.
1,659	302	37,778	17,969	3,007	1,706	9,766	840	278	330	23,095	76,208	N. E.
27	16	2,368	842	30	17	48	9	28	11	947	2,774	Me.
128	-------	3,334	447	51	21	49	-------	14	27	1,483	3,519	N. H.
25	-------	1,336	697	28	21	146	10	2	78	965	2,051	Vt.
1,479	286	23,188	14,123	2,104	1,334	8,601	764	192	68	13,645	42,371	Mass.
-------	-------	2,558	637	189	119	96	20	23	11	1,459	2,577	R. I.
-------	-------	4,992	1,223	605	194	826	37	19	135	4,596	22,916	Conn.
4,847	4,122	107,715	67,920	8,986	5,418	25,737	1,249	1,815	1,655	37,381	122,130	M. A.
3,233	3,624	66,218	48,691	6,073	3,646	16,371	810	985	687	20,844	69,199	N. Y.
768	98	6,200	1,749	417	9	2,572	92	64	59	2,146	8,263	N. J.
846	400	35,297	17,480	2,496	1,763	6,794	347	766	909	14,391	44,668	Pa.
4,889	1,841	97,936	66,381	6,034	3,228	20,304	1,127	10,234	6,319	35,199	120,972	E. N. C.
548	213	28,344	22,840	1,681	1,439	4,046	205	3,488	2,618	8,628	34,484	Ohio.
278	172	11,845	5,965	1,013	311	1,775	127	161	241	3,742	15,122	Ind.
2,438	932	32,240	22,821	1,386	549	9,234	576	6,269	3,241	11,736	40,809	Ill.
622	302	17,273	9,583	1,008	392	3,499	164	288	184	6,020	18,841	Mich.
1,003	222	8,234	5,172	946	537	1,750	55	28	35	5,073	11,716	Wis.
6,151	3,045	48,324	38,483	2,920	1,937	10,902	466	779	1,361	28,938	63,963	W. N. C.
2,052	871	9,786	7,662	993	421	2,293	88	3	17	6,842	15,606	Minn.
913	255	9,985	7,254	776	496	1,631	67	170	469	7,333	14,045	Iowa.
1,244	641	9,833	8,368	361	336	4,494	185	200	239	4,437	14,942	Mo.
214	82	2,146	1,414	56	54	228	15	10	83	1,364	2,733	N. Dak.
367	315	2,196	1,637	43	22	162	7	39	28	1,584	2,672	S. Dak.
696	437	5,710	5,115	328	300	1,319	40	187	246	3,162	5,829	Nebr.
665	444	8,668	7,033	363	308	785	64	170	279	4,216	8,136	Kans.
1,888	2,924	45,715	34,781	2,429	1,202	10,173	461	888	1,517	21,855	62,997	S. A.
-------	-------	396	313	2	-------	-------	-------	-------	-------	414	1,316	Del.
68	155	7,128	4,188	536	174	1,682	74	18	13	5,461	10,830	Md.
121	92	5,470	3,926	645	414	3,876	291	381	264	1,486	4,620	D. C.
50	380	7,894	4,421	252	78	1,672	30	90	129	4,289	11,885	Va.
360	435	2,978	2,577	278	169	304	12	26	89	1,072	4,123	W. Va.
281	681	8,435	6,367	435	157	598	17	86	222	2,432	11,742	N. C.
137	184	4,363	4,777	55	91	361	7	111	561	2,850	5,498	S. C.
791	895	6,486	5,695	129	94	1,310	20	42	90	3,102	8,112	Ga.
80	102	2,565	2,517	97	25	370	10	134	149	749	4,871	Fla.
1,959	2,272	19,307	17,359	494	316	3,958	186	363	527	8,511	27,984	E. S. C.
769	787	4,321	3,922	176	150	1,472	40	76	150	2,229	6,335	Ky.
413	713	6,263	5,885	139	75	1,955	132	119	218	2,378	10,020	Tenn.
557	320	5,428	3,707	138	75	321	8	86	79	1,860	6,493	Ala.
220	452	3,295	3,845	41	16	210	6	82	80	2,044	5,136	Miss.
3,055	3,554	31,463	28,243	976	820	4,263	254	483	1,172	12,178	34,888	W. S. C.
893	833	2,734	2,216	20	20	273	7	2	54	1,180	3,230	Ark.
364	449	4,600	3,566	116	121	1,003	45	33	26	1,441	5,463	La.
786	772	7,131	5,833	259	196	676	42	170	287	2,507	7,310	Okla.
1,012	1,500	16,998	16,628	581	483	2,311	160	278	805	7,050	18,885	Tex.
955	532	15,286	10,257	608	474	1,047	80	459	588	7,543	16,330	Mt.
91	43	1,874	1,075	49	38	86	14	24	43	1,143	1,872	Mont.
61	57	1,511	1,202	58	25	26	-------	53	99	943	1,636	Idaho.
87	66	551	412	22	18	76	2	39	57	445	978	Wyo.
198	119	4,778	2,812	169	156	655	51	81	139	1,800	5,136	Colo.
354	-------	1,108	550	28	48	-------	-------	59	81	610	1,772	N. Mex.
45	60	1,414	973	81	85	68	4	72	43	836	1,665	Ariz.
119	187	3,489	2,836	178	59	136	9	116	121	1,347	2,548	Utah.
-------	-------	561	397	23	45	-------	-------	15	5	419	723	Nev.
2,363	951	38,463	30,449	3,616	3,084	6,636	592	624	756	14,534	42,146	Pac.
664	163	8,011	5,597	376	351	672	60	38	22	3,240	6,649	Wash.
275	103	4,976	3,309	179	117	906	78	106	76	2,723	6,349	Oreg.
1,424	685	25,476	21,543	3,061	2,616	5,058	454	480	658	8,571	29,148	Calif.
-------	-------	44	19	-------	-------	-------	-------	8	15	-------	108	Alaska.
-------	-------	513	371	32	49	-------	-------	-------	-------	138	694	Hawaii
313	300	3,549	1,975	-------	-------	926	198	-------	-------	-------	1,324	P. R.
162	133	614	709	4	4	73	21	29	30	213	843	P. I.

[1] Includes 27,725 students in professional departments of universities and colleges not distributed by States.

[2] Includes 32,006 students in professional courses and in music, art, etc., departments of universities and colleges not distributed by States.

Source: Office of Education, Department of the Interior.

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No. 111.—NUMBER OF STUDENTS PURSUING SPECIFIED PROFESSIONAL COURSES, 1929–30

NOTE.—There were also 8 schools reporting 1,497 men and 157 women pursuing courses in osteopathy, which are not shown in the table. Data by States are as follows: California, 1 school with 206 men and 18 women; Illinois, 1 school with 107 men and 9 women; Iowa, 1 school with 202 men and 5 women; Massachusetts, 1 school with 81 men and 6 women; Missouri, 3 schools with 642 men and 91 women; Pennsylvania, 1 school with 259 men and 28 women

Division and State or outlying area	Theology			Law			Medicine			Dentistry			Pharmacy			Veterinary medicine		
	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women	Schools reporting	Men	Women
Cont'l U. S.	**159**	**12,074**	**971**	**135**	**39,204**	**2,222**	**73**	**20,943**	**1,021**	**39**	**8,067**	**95**	**65**	**10,124**	**782**	**10**	**377**	**7**
New England	**14**	**1,179**	**157**	**7**	**6,046**	**553**	**6**	**1,559**	**66**	**2**	**398**	**7**	**2**	**503**	**49**			
Maine	1	48	9															
New Hampshire	1	10					1	39										
Vermont							1	146	10									
Massachusetts	9	786	139	6	5,750	542	3	1,179	41	2	398	7	1	407	29			
Rhode Island													1	96	20			
Connecticut	3	335	9	1	296	11	1	195	17									
Middle Atlantic	**33**	**2,682**	**116**	**16**	**12,711**	**565**	**13**	**4,099**	**289**	**6**	**1,862**	**25**	**11**	**3,992**	**224**	**1**	**132**	**2**
New York	14	1,286	95	10	9,250	444	9	2,580	142	3	699	13	6	2,424	114	1	132	2
New Jersey	5	463	12	1	1,751	62							1	358	18			
Pennsylvania	14	933	9	5	1,710	59	4	[1] 1,519	[1] 147	3	1,163	12	4	1,210	92			
East North Central	**44**	**3,524**	**354**	**26**	**7,366**	**307**	**12**	**5,065**	**272**	**8**	**2,063**	**29**	**14**	**2,021**	**156**	**2**	**158**	
Ohio	14	819	32	7	1,231	68	3	789	48	2	412	3	5	672	54	1	123	
Indiana	5	203	50	5	632	40	1	416	24	1	136		4	388	13			
Illinois	16	2,016	267	8	3,112	124	4	2,335	117	3	1,020	10	2	644	49			
Michigan	4	156	5	4	1,847	58	2	920	54	1	312	16	2	229	31	1	35	
Wisconsin	5	330		2	544	17	2	605	29	1	183		1	88	9			
West North Central	**19**	**1,655**	**63**	**17**	**2,927**	**128**	**10**	**2,973**	**90**	**7**	**1,224**	**5**	**9**	**969**	**82**	**2**	**310**	**2**
Minnesota	6	434		4	764	36	1	689	34	1	269	3	1	137	15			
Iowa	3	114	19	2	315	8	1	490	25	1	200	1	1	121	8	1	189	1
Missouri	4	926	2	5	1,147	72	3	898	10	3	558	1	2	313	9			
North Dakota				1	69	2	1	61	2				1	98	11			
South Dakota				1	67		1	38					1	57	7			
Nebraska	4	82	4	2	307	2	2	555	9	2	197		2	178	25			
Kansas	2	99	38	2	258	8	1	242	10				1	65	7	1	121	1
South Atlantic	**21**	**1,211**	**16**	**26**	**4,178**	**305**	**13**	**3,012**	**88**	**5**	**936**	**7**	**9**	**795**	**45**	**1**	**41**	
Maryland	3	212	6	1	138	4	2	657	40	1	346	3	1	329	24			
District of Columbia	3	[2] 212	5	6	2,320	255	3	1,022	16	2	218	3	1	104	12			
Virginia	4	271		5	538	11	2	606	17	1	129		1	128	2			
West Virginia				1	164	6	1	107	3				1	33	3			
North Carolina	3	164	5	3	239	3	2	129	5				1	66	4			
South Carolina	2	33		3	100		1	155	4				2	68	3			
Georgia	6	314		4	358	16	2	336	3	1	243	1	1	18		1	41	
Florida				3	321	10							1	49				
East South Central	**10**	**810**	**84**	**9**	**1,093**	**49**	**6**	**1,294**	**31**	**3**	**330**	**2**	**5**	**397**	**20**	**1**	**34**	
Kentucky	6	604	18	3	315	14	1	343	5	1	121		1	89	3			
Tennessee	4	206	66	4	527	30	3	786	22	2	209	2	2	227	12			
Alabama				1	148	4	1	101	2				1	38	2	1	34	
Mississippi				1	102	1	1	64	2				1	43	3			
West South Central	**8**	**610**	**94**	**10**	**1,391**	**54**	**6**	**1,551**	**54**	**3**	**320**	**7**	**6**	**369**	**45**	**1**	**22**	
Arkansas	1	30		1	35	2	1	160	2				2	48	3			
Louisiana				3	304	11	2	[1] 522	[1] 20	1	103	2	1	74	12			
Oklahoma	2	39	13	1	295	10	1	217	6				1	125	13			
Texas	5	541	81	5	757	31	2	652	26	2	217	5	2	122	17	1	22	
Mountain	**1**	**37**	**1**	**8**	**523**	**29**	**2**	**252**	**14**	**1**	**43**	**1**	**3**	**93**	**34**	**1**	**99**	**1**
Montana				1	47	3							1	39	11			
Idaho				1	26													
Wyoming				1	76	2												
Colorado	1	37	1	3	230	14	1	193	12	1	43	1	1	53	22	1	99	1
Arizona				1	68	4												
Utah				1	76	6	1	59	2				1	1	1			
Pacific	**9**	**366**	**86**	**16**	**2,969**	**232**	**5**	**1,138**	**115**	**4**	**891**	**12**	**6**	**985**	**127**	**1**	**81**	**2**
Washington	1	40		2	349	17							2	202	41	1	81	2
Oregon				3	299	20	1	213	22	1	178	1	2	216	35			
California	8	326	86	11	2,321	195	4	925	93	3	713	11	2	567	51			
Philippine Islands				1	430	12	1	360	17	1	110	14	1	26	155	1	103	
Puerto Rico				1	52	1							1	21	20			

[1] Includes graduate school of medicine. [2] Includes 34 students in canon law.

Source: Office of Education, Department of Interior.

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No. 112.—NORMAL SCHOOLS AND TEACHERS' COLLEGES: NUMBER OF SCHOOLS AND TEACHERS AND STUDENTS, BY SEX, BY STATES

Division and State or outlying area	Public normal schools and public and private teachers' colleges									Private normal schools, 1930		
	Number, 1930	Teachers		1930		Students		1930		Number	Teachers	Students
		1910 [1]	1920	Male	Female	1910 [1]	1920	Male	Female			
Cont'l U. S.	279	4,814	8,260	5,585	7,880	113,011	152,909	57,805	210,850	52	998	10,540
New England	28	516	668	203	610	6,354	5,496	651	7,875	11	189	1,558
Maine	7	70	84	36	104	1,548	574	227	1,722	.....	.....	.....
New Hampshire	3	21	59	31	60	172	837	127	927	.....	.....	.....
Vermont	1	29	15	0	10	271	280	.....	123	.....	.....	.....
Massachusetts	11	262	324	107	278	2,183	2,779	284	3,501	7	138	1,253
Rhode Island	1	50	81	11	20	787	457	13	596	.....	.....	.....
Connecticut	5	84	105	18	138	1,393	569	.....	1,006	4	51	300
Middle Atlantic	39	1,291	1,383	657	1,435	30,014	19,789	5,141	28,925	13	284	2,829
New York	16	630	698	316	676	14,400	9,448	1,746	14,609	8	194	2,037
New Jersey	6	174	186	55	174	4,293	1,610	285	3,116	2	56	440
Pennsylvania	17	487	499	286	585	11,321	8,731	3,110	11,200	3	34	352
East North Central	79	817	1,826	1,164	1,706	22,512	37,607	13,068	40,578	8	160	1,213
Ohio	5	113	320	88	123	1,966	6,976	727	3,575	2	41	222
Indiana	4	60	206	174	139	3,297	5,812	2,654	5,439	1	26	167
Illinois	8	191	348	307	411	7,115	8,495	2,975	11,855	5	93	824
Michigan	34	220	431	334	644	6,574	7,478	3,381	12,623	.....	.....	.....
Wisconsin	28	233	521	261	389	3,560	8,846	3,331	7,086	.....	.....	.....
West North Central	32	785	1,564	912	1,213	21,547	31,825	9,423	36,033	7	91	1,157
Minnesota	6	154	204	79	194	4,082	3,969	657	4,700	2	34	325
Iowa	1	88	172	83	121	2,861	4,158	956	4,233	1	11	220
Missouri	9	212	359	294	282	6,160	8,828	3,003	9,952	1	13	271
North Dakota	5	58	214	109	173	981	2,574	1,000	4,366	.....	.....	.....
South Dakota	4	94	197	85	110	1,390	2,581	594	2,519	1	9	94
Nebraska	4	66	172	110	155	2,697	3,652	974	4,097	2	24	247
Kansas	3	113	246	152	178	3,376	6,063	2,239	6,166	.....	.....	.....
South Atlantic	35	594	800	535	859	11,217	13,334	4,787	22,105	3	26	166
Maryland	5	40	87	17	74	622	915	174	1,297	.....	.....	.....
Dist. of Columbia	2	28	31	6	47	347	191	43	569	1	15	130
Virginia	8	181	203	174	292	2,835	4,644	1,169	6,688	.....	.....	.....
West Virginia	7	114	164	155	147	3,208	2,753	2,454	5,549	.....	.....	.....
North Carolina	6	95	125	91	139	1,837	2,100	233	4,868	.....	.....	.....
South Carolina	1	77	49	36	22	1,276	918	246	519	1	4	16
Georgia	6	32	141	56	138	821	1,813	468	2,615	1	7	20
Florida	.....	27	.....	.....	.....	271	.....	.....	.....	.....	.....	.....
East South Central	22	171	448	606	590	5,130	10,946	7,342	23,268	2	113	2,297
Kentucky	6	76	124	190	192	2,883	3,164	2,720	6,942	.....	.....	.....
Tennessee	6	.....	135	245	161	.....	3,880	2,558	7,718	1	4	101
Alabama	7	86	161	112	177	1,825	2,859	1,161	6,101	1	109	2,196
Mississippi	3	9	28	59	60	422	1,043	903	2,507	.....	.....	.....
West South Central	20	270	762	861	698	8,391	21,168	10,711	28,736	.....	.....	.....
Arkansas	2	23	48	47	46	554	1,109	589	1,867	.....	.....	.....
Louisiana	3	61	86	70	94	1,559	1,223	533	2,446	.....	.....	.....
Oklahoma	7	131	295	363	199	4,377	10,361	4,560	10,497	.....	.....	.....
Texas	8	55	333	381	359	1,901	8,475	5,029	13,926	.....	.....	.....
Mountain	11	149	384	265	273	2,888	6,766	2,061	8,174	2	23	460
Montana	2	23	46	24	45	186	567	85	949	.....	.....	.....
Idaho	2	33	68	22	38	458	1,083	173	1,063	.....	.....	.....
Colorado	3	38	129	116	97	1,278	2,348	1,029	3,796	1	5	249
New Mexico	2	29	68	53	36	672	2,057	394	1,191	.....	.....	.....
Arizona	2	26	61	50	57	294	659	380	1,175	.....	.....	.....
Utah	.....	.....	[2] 12	.....	.....	.....	52	.....	.....	1	18	211
Pacific	13	221	425	382	496	4,958	5,978	4,691	15,156	6	112	860
Washington	3	69	165	68	117	1,286	2,840	860	3,448	2	32	289
Oregon	3	29	28	31	94	472	737	385	2,427	2	55	374
California	7	123	232	283	285	3,200	2,401	3,376	9,281	2	25	197
Hawaii	1	.....	54	31	60	.....	423	249	1,717	.....	.....	.....
Philippine Islands	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	19	517
Private teachers' colleges only (included above)												
Illinois	1	.....	22	8	56	.....	257	30	727	.....	.....	.....
Indiana	2	.....	83	32	44	.....	2,829	425	1,158	.....	.....	.....
North Carolina	1	.....	.....	31	43	.....	.....	55	1,537	.....	.....	.....
Tennessee	1	.....	73	125	65	.....	1,828	1,005	2,746	.....	.....	.....
Utah	.....	.....	[2] 12	.....	.....	.....	52	.....	.....	.....	.....	.....
Virginia	1	.....	.....	74	84	.....	.....	744	1,217	.....	.....	.....

[1] Owing to a reclassification of schools, figures differ from those in Table 101.
[2] See footnote 1, Table 101.
Source: Office of Education, Department of the Interior.

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No. 113.—NURSE TRAINING, COMMERCIAL, SUMMER, AND REFORM SCHOOLS

NOTE.—Summer schools are chiefly those run by universities, colleges, and normal schools

Division and State or outlying area	Nurse-training schools, 1931		Commercial schools, 1929		Summer schools, 1929		Reform schools, 1927	
	Schools	Students	Schools	Students	Schools	Students	Schools	Students
Continental United Sates	1,844	100,894	651	179,756	618	388,755	158	84,817
New England	205	11,777	62	18,205	27	11,297	18	5,825
Maine	32	903	4	289	6	1,307	3	530
New Hampshire	23	766	4	409	2	512	1	238
Vermont	12	358	1	108	3	1,526	1	348
Massachusetts	102	6,668	29	7,658	15	7,934	9	2,824
Rhode Island	11	1,287	5	737			2	513
Connecticut	25	1,795	19	4,004	1	18	2	872
Middle Atlantic	363	24,890	189	44,857	77	61,998	29	19,668
New York	152	11,724	71	25,069	31	39,184	14	9,923
New Jersey	52	3,148	14	2,818	6	1,835	6	3,597
Pennsylvania	159	10,018	54	16,970	40	20,979	9	6,148
East North Central	330	22,144	185	45,113	108	79,558	24	23,060
Ohio	80	5,389	45	15,800	30	19,094	7	9,851
Indiana	32	2,132	18	5,578	19	13,370	3	2,481
Illinois	134	7,466	38	16,790	30	24,277	7	7,124
Michigan	48	3,676	22	5,149	17	13,134	5	2,637
Wisconsin	36	3,481	12	1,796	12	9,683	2	967
West North Central	251	12,264	76	23,097	103	57,204	21	7,038
Minnesota	59	3,776	10	3,018	11	9,042	6	1,925
Iowa	46	2,240	17	4,283	16	10,186	4	1,183
Missouri	39	2,176	18	8,096	21	13,520	3	1,212
North Dakota	17	727	5	377	8	3,802	1	250
South Dakota	19	541	3	629	11	2,410	1	213
Nebraska	19	1,212	7	2,013	14	7,423	3	695
Kansas	52	1,592	16	4,681	22	10,821	3	1,560
South Atlantic	278	10,240	67	11,578	95	44,006	25	8,221
Delaware	6	219	2	856	1	335	3	275
Maryland	28	1,778	4	875	8	2,450	6	2,664
District of Columbia	12	1,183	7	2,046	5	2,174	2	950
Virginia	45	1,661	8	1,572	14	8,315	4	915
West Virginia	40	1,116	9	1,879	16	6,828	2	938
North Carolina	59	1,660	8	1,231	24	10,846	1	606
South Carolina	26	710	7	534	7	3,211	3	575
Georgia	39	1,235	10	1,078	16	7,213	3	442
Florida	18	678	12	1,507	4	2,634	1	856
East South Central	134	4,244	50	8,789	69	32,408	11	4,472
Kentucky	31	1,071	13	2,277	18	7,975	2	1,581
Tennessee	30	1,351	20	3,663	21	11,048	5	1,145
Alabama	36	1,155	10	2,486	15	9,649	3	1,374
Mississippi	37	667	7	363	15	3,736	1	372
West South Central	182	5,009	51	11,320	78	54,675	7	9,935
Arkansas	23	503	9	868	11	4,225	1	325
Louisiana	17	1,048	7	2,478	11	6,731	1	324
Oklahoma	22	789	14	3,347	15	15,241	3	743
Texas	70	2,669	21	4,627	41	28,478	2	8,573
Mountain	63	2,851	22	6,940	29	16,358	10	1,870
Montana	16	551	4	1,706	3	988	2	338
Idaho	10	272	3	392	5	816	1	442
Wyoming	6	167	1	75	1	788	2	122
Colorado	20	1,181	10	4,031	9	9,698	2	712
New Mexico	2	61			4	1,503	1	44
Arizona	3	178	1	225	2	869	1	166
Utah	6	441	2	333	4	1,669		
Nevada			1	178	1	27	1	46
Pacific	93	6,975	49	14,857	32	31,251	13	4,698
Washington	27	1,525	12	3,428	8	6,180	5	1,721
Oregon	13	726	5	2,046	8	3,956	2	389
California	53	4,724	32	9,383	16	21,115	6	2,588
OUTLYING AREAS								
Hawaii Territory			3	1,255	2	1,202		
Philippine Islands	7	393	1	860	2	2,108		
Porto Rico	2	90	4	389	1	793	1	327

Source: Office of Education, Department of the Interior.

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No. 114.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED, 1927

NOTE.—Philippine Islands has 1 school for the blind with 21 pupils and 1 State school for the deaf with 101 pupils and Puerto Rico has 1 school for the blind with 28 pupils and 1 private school for the deaf with 48 pupils

State	Schools for the blind		Schools for the deaf						Institutions for the feeble-minded					
			State schools		Public day schools		Private schools		State institutions		Public day schools [1]		Private institutions	
	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Pupils	Schools	Inmates	Cities reporting schools	Pupils	Schools	Inmates
Continental United States	**78**	**6,035**	**68**	**13,033**	**83**	**3,515**	**15**	**885**	**51**	**49,791**	**218**	**51,814**	**34**	**2,416**
Alabama	2	146	2	342										
Arizona	1	2	1	32										
Arkansas	2	153	2	346										
California	2	152	1	193	7	383	1	30	1	321	5	1,890	1	16
Colorado	1	71	1	167					2	336	1	626	1	14
Connecticut	1	66	2	318					1	761	7	762		
Delaware									1	112				
District of Columbia			1	135							1	711		
Florida	2	71	2	214					1	415				
Georgia	1	106	2	297	1	4	1	12	1	92	1	461		
Idaho	1	21	1	68					1	349				
Illinois	2	300	1	411	4	464	1	118	2	5,672	6	2,884	2	86
Indiana	1	147	1	396	1	9			1	1,626	4	330		
Iowa	1	114	1	309	5	69			1	1,769	10	1,320	1	53
Kansas	1	130	1	249	2	25			1	593	4	202		
Kentucky	2	112	2	356					1	520	1	360	1	113
Louisiana	2	79	1	165	1	11	1	67	1	262	1	118		
Maine	1	32	1	109					1	694	1	40		
Maryland	2	114	2	219	1	82	2	58						
Massachusetts	2	309	3	433	2	169			2	3,364	21	3,667	3	146
Michigan	2	197	1	364	9	386	1	34	1	2,751	13	5,858	3	78
Minnesota	4	283	1	258	4	150			1	2,396	28	2,250	1	38
Mississippi	1	75	2	226										
Missouri	1	113	1	311	2	109	2	192	1	577	3	718	2	32
Montana			1	86					1	284	2	99		
Nebraska	1	55	1	195	1	22			1	941	2	293		
New Hampshire					1	4			1	487	1	19		
New Jersey	3	88	1	275	3	125			3	2,392	27	3,264	5	742
New Mexico	1	84												
New York	6	451	7	1,639	4	531			5	10,080	15	10,898	4	138
North Carolina	2	219	2	416					1	503	1	345		
North Dakota	1	35	1	124					1	518				
Ohio	7	478	1	478	7	286	1	97	1	2,524	15	3,548	1	36
Oklahoma	1	143	1	345			1	13	1	346				
Oregon	1	48	1	116	1	38			1	291	1	232		
Pennsylvania	3	432	4	1,051	2	137	3	183	3	4,402	18	7,446	5	274
Rhode Island			1	102					1	433	3	535		
South Carolina	2	95	2	259					1	342				
South Dakota	1	39	1	105					1	426				
Tennessee	2	236	2	292							1	105	1	22
Texas	2	339	2	629	3	51			1	241	2	162		
Utah	1	34	1	113					1	132	1	23		
Vermont			1	45					1	260				
Virginia	2	99	2	258					1	575	3	585	1	194
Washington	3	94	1	131	4	123			1	315	4	1,326		
West Virginia	1	109	1	262							1	13		
Wisconsin	3	164	1	194	18	337	1	81	2	1,529	14	724	2	525
Wyoming									1	160				

[1] Backward and subnormal pupils.

Source: Office of Education, Department of the Interior.

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No. 115.—SCHOOLS FOR THE BLIND, THE DEAF, AND THE FEEBLE-MINDED: CONTINENTAL UNITED STATES

Kind of school	Number of schools			Number of teachers				Number of pupils			
						1927				1927	
	1910	1922	1927	1910	1922	Male	Female	1910	1922	Male	Female
Schools for the blind	48	63	78	531	720	220	633	4,323	4,915	3,321	2,714
Schools for the deaf, total	130	153	166	1,498	1,901	443	1,840	12,546	14,328	9,226	8,207
State	57	61	68	1,208	1,414	402	1,310	10,399	10,738	7,017	6,016
City day schools	53	74	83	189	351	19	398	1,508	2,911	1,776	1,739
Private	20	18	15	101	136	22	132	639	679	433	452
Schools for the feeble-minded and subnormal, total	41	214	303	340	1,956	316	3,177	17,570	63,339	58,966	45,055
State	25	51	51	270	492	116	464	16,678	38,761	24,355	25,436
City day schools	------	133	218	------	1,321	175	2,543	------	23,252	33,214	18,600
Private	16	30	34	70	143	25	170	892	1,386	1,397	1,019

Source: Office of Education, Department of the Interior.

No. 116.—VOCATIONAL EDUCATION: TEACHERS AND PUPILS IN FEDERALLY AIDED VOCATIONAL SCHOOLS AND TEACHER-TRAINING COURSES

NOTE.—See headnote, Table 117. Data for 1928, 1930, and 1931 include Hawaii

Class of school or course	Teachers					Pupils				
	1920	1924	1928	1930	1931[1]	1920	1924	1928	1930	1931[1]
VOCATIONAL SCHOOLS										
Total, all classes	7,669	16,192	20,779	24,874	27,151	265,058	652,594	858,456	981,882	1,056,519
Male	4,992	9,898	13,658	17,222	18,463	163,228	349,224	492,458	603,514	629,707
Female	2,677	6,294	7,121	7,652	8,688	101,830	303,370	365,998	378,368	426,812
Evening	2,565	6,778	8,065	9,842	11,475	73,122	193,274	247,968	323,154	378,773
Part time	1,773	3,530	4,500	5,468	4,955	122,974	321,191	398,917	407,285	382,539
All day	3,331	5,766	7,824	9,245	10,179	68,962	134,873	203,261	241,486	293,846
Day-unit course	------	118	300	319	542	---------	3,256	8,310	9,957	11,361
Agricultural	1,570	3,454	5,434	6,849	7,628	31,301	85,984	144,901	188,211	235,153
Male	1,568	3,453	5,425	6,845	7,625	29,351	81,366	139,359	180,490	224,872
Female	2	1	9	4	3	1,950	4,618	5,542	7,821	10,281
Evening	------	591	1,007	1,878	2,147	---------	15,227	35,192	60,462	85,633
Part time	------	55	274	306	369	---------	2,143	4,458	4,164	6,485
All day	1,570	2,690	3,853	4,346	4,570	31,301	65,358	96,941	113,728	131,619
Day-unit course	------	118	300	319	542	---------	3,256	8,310	9,957	11,361
Trade and industrial	4,462	8,338	10,536	13,065	13,529	184,819	409,843	537,611	618,604	591,876
Male	3,408	6,412	8,192	10,328	10,791	133,872	267,814	352,643	422,575	404,602
Female	1,054	1,916	2,344	2,737	2,738	50,947	142,029	184,968	196,029	187,274
Evening	1,779	3,386	4,146	5,030	5,715	48,354	84,973	114,629	165,317	168,822
Part time, total	1,636	3,199	4,087	4,981	4,342	115,241	291,608	365,543	381,898	342,513
Trade extension	350	773	1,300	1,747	1,457	17,159	35,475	42,531	45,601	47,358
General continuation	1,286	2,426	2,787	3,234	2,885	98,082	256,133	323,012	336,297	295,155
All day	1,047	1,743	2,303	3,054	3,472	21,224	33,262	57,439	71,389	80,541
Home economics	1,637	4,410	4,809	4,960	5,994	48,938	156,767	175,944	174,967	229,490
Male	16	33	41	49	47	5	44	456	449	233
Female	1,621	4,377	4,768	4,911	5,947	48,933	156,723	175,488	174,518	229,257
Evening	786	2,801	2,912	2,934	3,613	24,768	93,074	98,147	97,375	124,263
Part time	137	276	229	181	244	7,733	27,440	28,916	21,223	33,541
All day	714	1,333	1,668	1,845	2,137	16,437	36,253	48,881	56,369	71,686
TEACHER-TRAINING COURSES										
Total, all classes	1,062	1,021	773	[2] 843	[2] 882	12,456	18,686	17,572	20,736	22,088
Male	657	602	466	[2] 518	[2] 548	6,985	11,424	9,498	12,531	14,386
Female	425	419	307	325	[2] 334	5,471	7,262	8,074	8,205	7,702
In agriculture	293	241	162	195	183	2,310	4,747	2,394	3,325	2,911
Trade and industry	359	388	289	334	385	6,150	8,320	9,330	11,205	13,242
Home economics	414	392	324	316	319	3,652	5,619	5,848	6,206	5,935
Other and not specified	16	------	------	------	------	344	------	------	------	------

[1] Figures are subject to slight corrections.

[2] Excluding duplicates.

Source: Federal Board for Vocational Education.

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No. 117.—VOCATIONAL EDUCATION: PUPILS ENROLLED IN VOCATIONAL COURSES AND VOCATIONAL TEACHER TRAINING COURSES, YEAR ENDED JUNE 30, 1931[1]

NOTE.—Institutions federally aided are reimbursed out of Federal funds provided under (1) the act known as the Smith-Hughes Act, or the national vocational education act of 1917, (2) an act of 1924 extending the vocational education act to the Territory of Hawaii and (3) the George-Reed Act of 1929. These acts, administered by the Federal Board for Vocational Education, provide appropriations by Congress for reimbursement in part out of Federal funds for expenditures by States and local communities for salaries of vocational teachers and maintenance of vocational teacher training

Division and State or Territory	Vocational courses					Vocational teacher-training courses (Federally aided)			
	Federally aided				State aided only				
	Total	Agricultural	Trade and industrial	Home economics		Total	Agricultural	Trade and industrial	Home economics
United States[2]	**1,056,519**	**235,159**	**591,876**	**229,490**	**69,880**	**22,088**	**2,911**	**13,242**	**5,935**
New England	**69,193**	**8,085**	**48,755**	**17,353**	.....	**1,728**	**149**	**1,017**	**562**
Maine	1,982	617	606	759	.....	73	11	(3)	62
New Hampshire	647	254	325	68	.....	52	3	18	31
Vermont	839	244	366	229	.....	(3)	(3)	(3)	(3)
Massachusetts	52,882	929	38,307	13,646	.....	1,017	101	634	282
Rhode Island	4,274	734	2,034	1,506	.....	338	34	117	187
Connecticut	8,569	307	7,117	1,145	.....	248	(3)	248	(3)
Middle Atlantic	**288,233**	**9,346**	**257,571**	**21,316**	**17,309**	**4,973**	**278**	**3,511**	**1,184**
New York	189,513	3,528	178,943	7,042	10,989	1,620	59	1,172	389
New Jersey	31,467	1,083	26,741	3,643	6,320	632	50	432	150
Pennsylvania	67,253	4,735	51,887	10,631	.....	2,721	169	1,907	645
East North Central	**210,861**	**42,337**	**112,177**	**56,347**	**16,304**	**2,756**	**115**	**2,161**	**480**
Ohio	40,664	10,542	20,211	9,911	.....	[4] 526	(3)	526	(3)
Indiana	16,956	3,935	8,812	4,209	1,321	517	32	311	174
Illinois	42,083	9,996	21,975	10,112	.....	701	32	573	96
Michigan	48,801	11,591	25,760	11,450	.....	855	46	671	138
Wisconsin	62,357	6,273	35,419	20,665	14,983	157	5	80	72
West North Central	**80,215**	**27,383**	**28,511**	**24,321**	**3,400**	**2,387**	**396**	**1,184**	**807**
Minnesota	12,992	4,607	5,365	3,020	.....	462	79	274	109
Iowa	15,542	10,100	3,329	2,113	.....	795	54	601	140
Missouri	19,785	4,709	10,391	4,685	.....	316	29	227	60
North Dakota	4,514	1,294	406	2,814	.....	151	96	.....	55
South Dakota	3,955	1,280	410	2,265	1,463	207	22	13	172
Nebraska	13,614	3,065	3,105	7,444	167	277	74	69	134
Kansas	9,813	2,328	5,505	1,980	1,770	179	42	(3)	137
South Atlantic	**125,070**	**55,375**	**35,898**	**33,797**	**23,221**	**1,476**	**281**	**724**	**470**
Delaware	1,562	251	1,234	77	.....	44	22	11	11
Maryland	5,916	1,189	2,547	2,180	.....	235	17	218	(3)
Virginia	21,474	10,482	8,112	2,880	2,539	559	116	182	261
West Virginia	4,737	1,378	2,134	1,225	.....	(3)	(3)	(3)	(3)
North Carolina	22,793	12,083	6,053	4,707	2,517	191	66	20	105
South Carolina	25,238	15,891	4,743	4,604	3,450	204	40	164	.....
Georgia	35,177	11,738	7,508	15,931	9,715	222	(3)	129	93
Florida	8,173	2,413	3,567	2,193	.....	20	20	(3)	(3)
East South Central	**63,871**	**35,206**	**16,095**	**12,570**	**4,743**	**2,104**	**458**	**998**	**648**
Kentucky	9,426	3,932	3,176	2,318	.....	112	39	20	53
Tennessee	24,897	13,837	5,584	5,476	.....	382	71	140	171
Alabama	15,828	7,249	5,729	2,850	386	1,266	248	742	276
Mississippi	13,720	10,188	1,606	1,926	4,357	344	100	96	148
West South Central	**86,815**	**38,292**	**22,569**	**25,954**	**4,793**	**2,899**	**561**	**1,938**	**400**
Arkansas	15,768	12,380	870	2,518	4,422	69	34	(3)	35
Louisiana	13,725	4,074	5,595	4,056	.....	320	138	63	119
Oklahoma	23,979	6,570	8,142	9,267	371	977	54	811	112
Texas	33,343	15,268	7,962	10,113	.....	1,533	335	[6] 1,064	134
Mountain	**39,186**	**9,924**	**16,963**	**12,299**	**110**	**1,779**	**487**	**563**	**729**
Montana	2,611	801	443	1,367	.....	55	24	(3)	31
Idaho	4,168	1,345	1,707	1,116	14	147	54	43	50
Wyoming	3,525	955	1,720	850	.....	123	52	45	26
Colorado	12,543	2,401	7,696	2,446	7	985	227	400	358
New Mexico	1,851	561	364	926	.....	46	8	36	2
Arizona	7,940	1,622	2,862	3,456	.....	37	10	17	10
Utah	5,626	2,052	1,713	1,861	89	337	104	.....	233
Nevada	922	187	458	277	.....	49	8	22	19
Pacific	**88,764**	**13,164**	**52,591**	**22,509**	.....	**1,791**	**141**	**1,108**	**542**
Washington	9,766	2,554	5,669	1,543	.....	185	22	66	97
Oregon	6,845	2,594	1,903	2,348	.....	500	18	339	143
California	72,153	8,516	45,019	18,618	.....	1,106	101	703	302
Hawaii	4,311	541	746	3,024	.....	196	45	38	113

[1] Figures are subject to slight corrections.
[2] Includes Hawaii.
[3] No report.
[4] In addition Ohio reports 174 enrolled in Conference Leadership and Foremanship classes.
[5] Itinerant improvement teachers in service.
[6] Includes 879 enrolled in foreman training classes.

Source: Federal Board for Vocational Education.

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No. 118.—VOCATIONAL EDUCATION: EXPENDITURES UNDER THE VOCATIONAL EDUCATION ACTS, FOR YEARS ENDED JUNE 30

EXPENDITURES FOR ALL SCHOOLS, EXCEPT TEACHER TRAINING

Classification of expenditure	1920	1924	1926	1928	1930	1931[1]
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	6,888,500	16,554,034	20,952,690	23,350,702	27,412,136	29,598,445
From Federal money	1,745,298	3,819,193	5,560,290	5,791,067	6,361,380	6,917,178
From State money	2,008,306	4,225,512	5,173,761	5,992,020	7,172,501	7,680,080
From local money	3,134,896	8,509,329	10,218,639	11,567,615	13,878,255	14,941,187
Agricultural schools	2,437,285	5,253,913	7,164,460	7,608,914	8,743,382	9,078,629
From Federal money	889,886	1,897,808	2,656,886	2,844,404	3,173,624	3,461,543
From State money	678,824	1,203,487	1,571,427	1,539,662	1,787,246	2,084,543
From local money	868,575	2,152,619	2,936,147	3,224,788	3,782,512	4,432,543
Trade or industrial schools	2,408,919	5,059,789	6,194,107	7,193,998	8,814,566	9,503,605
From Federal money	509,385	1,039,764	1,512,544	1,599,063	1,718,733	1,834,788
From State money	786,568	1,359,944	1,580,116	2,009,178	2,538,657	2,680,804
From local money	1,112,966	2,660,081	3,101,447	3,585,757	4,557,176	4,988,013
Home economics schools	1,054,489	2,744,636	3,137,394	3,721,132	4,382,037	4,751,274
From Federal money	155,708	331,861	499,631	492,158	678,226	877,091
From State money	329,634	740,318	810,626	1,073,784	1,286,530	1,365,281
From local money	569,087	1,672,457	1,827,137	2,155,190	2,417,281	2,508,902
Part-time general continuation schools	987,807	3,495,695	4,456,729	4,826,658	5,465,513	5,804,937
From Federal money	190,259	549,760	891,229	855,382	790,798	743,756
From State money	213,280	921,763	1,211,592	1,369,396	1,554,377	1,549,452
From local money	584,268	2,024,172	2,353,908	2,601,880	3,120,338	3,011,729

EXPENDITURES FOR TEACHER-TRAINING INSTITUTIONS

Total	1,646,663	2,291,318	2,229,010	2,359,045	2,453,400	2,600,746
From Federal money	731,204	1,013,688	988,367	1,030,385	1,042,844	1,061,751
From State money	661,979	949,320	975,321	1,030,953	1,066,338	1,174,893
From local money	253,480	328,310	265,322	297,708	344,219	364,102
Training teachers of agriculture	556,580	755,938	797,143	811,765	826,444	851,554
From Federal money	250,835	341,933	346,112	352,216	352,636	350,543
From State money	232,013	313,888	354,833	359,091	364,893	384,765
From local money	73,732	100,117	96,198	100,458	108,915	116,246
Training teachers of trade or industrial subjects	490,655	716,913	706,217	743,109	770,802	848,913
From Federal money	226,765	323,102	326,255	337,891	342,345	358,036
From State money	210,199	320,625	322,664	349,499	348,343	396,894
From local money	53,691	73,186	57,298	55,719	80,114	93,983
Training teachers of home economics	599,428	818,467	725,650	804,171	856,155	900,278
From Federal money	253,604	348,653	316,000	340,278	347,863	533,172
From State money	219,767	314,807	297,824	322,363	353,102	393,234
From local money	126,057	155,007	111,826	141,531	155,190	153,872

TOTAL EXPENDITURES FROM FEDERAL MONEY, BY STATES

State	1920	1930	1931[1]	State	1920	1930	1931[1]
	Dollars	*Dollars*	*Dollars*		*Dollars*	*Dollars*	*Dollars*
Total	2,476,503	7,404,223	7,978,929	Nebraska	33,292	88,866	98,088
				Nevada	13,849	24,993	27,080
Alabama	54,672	170,491	192,241	New Hampshire	10,913	28,107	31,601
Arizona	18,146	34,310	35,969	New Jersey	63,546	206,848	211,836
Arkansas	43,615	133,793	149,455	New Mexico	19,144	35,339	38,739
California	70,477	236,129	245,529	New York	191,061	680,031	710,703
Colorado	23,001	68,038	72,389	North Carolina	45,185	192,201	214,371
Connecticut	39,028	78,486	88,085	North Dakota	20,211	57,605	63,962
Delaware	17,612	27,377	28,183	Ohio	131,378	399,615	418,591
Florida	24,187	67,611	75,968	Oklahoma	39,361	150,829	166,513
Georgia	69,412	216,311	238,054	Oregon	24,671	58,381	62,086
Idaho	20,181	38,975	43,760	Pennsylvania	196,604	567,658	603,542
Illinois	159,998	424,459	449,274	Rhode Island	20,728	50,210	49,980
Indiana	74,206	208,760	221,042	South Carolina	44,252	126,656	141,272
Iowa	54,940	173,097	190,398	South Dakota	10,872	44,212	53,440
Kansas	35,506	108,912	124,674	Tennessee	45,477	175,453	193,888
Kentucky	51,413	165,889	189,277	Texas	90,740	339,279	373,585
Louisana	43,390	128,456	139,907	Utah	19,962	37,718	39,520
Maine	19,672	44,470	48,792	Vermont	17,602	35,827	37,546
Maryland	25,664	85,394	94,294	Virginia	62,751	171,237	187,571
Massachusetts	100,881	241,466	249,105	Washington	34,947	95,874	100,906
Michigan	82,749	254,335	265,928	West Virginia	28,509	91,180	99,534
Minnesota	65,322	173,166	186,912	Wisconsin	60,966	188,283	203,057
Mississippi	49,393	138,074	155,276	Wyoming	13,383	28,487	30,267
Missouri	74,626	240,648	257,620				
Montana	18,990	39,999	45,196	Hawaii		30,689	33,923

[1] Figures are subject to slight corrections.

Source: Federal Board for Vocational Education.

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No. 119.—VOCATIONAL REHABILITATION OF PERSONS DISABLED IN INDUSTRY OR OTHERWISE: YEARS ENDED JUNE 30

NOTE.—By the civilian vocational rehabilitation act of June 2, 1920, Congress set up a program of cooperation with the States for the vocational rehabilitation of persons disabled in industry or otherwise. By the end of the fiscal year 1931 all but 4 States had accepted the provisions and begun cooperation with the Federal Government. The figures shown relate only to cases aided by Federal funds. The total expenditure in 1931 (fiscal year) comprised: Federal funds, $921,827; State and private funds, $1,099,101

State	Number rehabilitated						Live cases on roll June 30					
	1923	1924	1926	1928	1930	1931	1923	1924	1926	1928	1930	1931 [1]
Total	1,890	5,594	5,604	5,012	4,612	5,130	8,147	13,044	13,608	16,393	[2] 20,394	[3] 23,716
Alabama	11	113	132	129	170	223	152	383	608	1,124	1,082	1,259
Arizona	.....	10	12	41	30	14	.....	17	18	40	55	86
Arkansas	.....	3	19	26	45	47	.....	6	162	320	431	503
California	32	275	227	207	257	255	506	424	630	738	606	733
Colorado	.....	.....	.....	7	9	21	.....	.....	2	44	86	125
Connecticut	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	128
Florida	.....	.....	.....	.....	22	30	.....	.....	.....	204	351	442
Georgia	16	65	51	86	114	126	118	267	287	403	454	572
Idaho	4	35	29	26	15	21	81	75	54	66	102	114
Illinois	7	319	472	469	283	520	144	859	729	600	[2] 810	783
Indiana	61	123	184	99	140	133	321	261	472	151	628	667
Iowa	8	101	79	61	71	67	72	741	532	293	200	239
Kentucky	.....	268	50	60	146	169	.....	48	244	422	608	727
Louisiana	31	13	56	71	35	65	43	56	79	191	271	318
Maine	12	15	19	11	23	21	71	74	112	156	139	133
Maryland	.....	.....	.....	.....	5	18	.....	.....	.....	.....	74	178
Massachusetts	4	90	102	129	132	134	170	209	310	287	361	466
Michigan	34	286	321	305	283	308	398	746	1,027	801	876	1,246
Minnesota	119	210	212	157	149	186	432	420	309	334	400	472
Mississippi	27	177	232	142	139	113	554	744	515	679	809	905
Missouri	50	69	14	.....	.....	8	146	129	[4]	[4]	[4]	24
Montana	9	36	17	15	18	18	127	174	91	74	97	105
Nebraska	1	61	72	46	53	50	106	139	146	139	144	147
Nevada	11	8	14	7	10	11	19	37	30	22	12	23
New Hampshire	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	91
New Jersey	181	942	702	594	243	267	189	131	354	717	1,087	1,121
New Mexico	3	4	9	10	14	18	40	40	91	62	73	86
New York	267	575	673	509	540	550	1,234	2,402	863	1,498	1,821	2,652
North Carolina	18	112	96	102	72	97	153	654	685	721	722	806
North Dakota	.....	7	10	25	34	31	.....	26	97	97	151	110
Ohio	258	615	551	555	471	404	832	988	872	652	971	1,091
Oklahoma	.....	.....	8	59	110	181	.....	.....	277	1,184	1,547	1,329
Oregon	.....	26	41	41	18	34	.....	70	42	76	54	46
Pennsylvania	406	415	453	435	398	346	888	800	1,302	1,302	1,719	1,458
Rhode Island	4	4	5	8	9	12	11	22	28	31	53	61
South Carolina	.....	.....	.....	1	11	24	.....	.....	.....	69	374	264
South Dakota	5	17	17	14	12	15	92	154	114	114	69	77
Tennessee	26	51	193	166	124	147	247	387	893	729	677	1,344
Texas	.....	.....	.....	.....	12	54	.....	.....	.....	.....	144	431
Utah	1	33	38	34	33	42	66	60	70	73	102	137
Virginia	35	120	88	75	38	53	78	119	258	314	800	595
West Virginia	109	146	171	114	103	76	347	615	364	249	289	230
Wisconsin	138	235	227	174	193	161	487	754	909	899	1,006	1,260
Wyoming	2	15	8	2	28	50	23	13	30	158	139	125

[1] Figures are subject to slight corrections.
[2] Includes 96 applications pending.
[3] The status of these cases on June 30, 1931, was as follows: Surveyed, rehabilitation plan not made, 6,556; rehabilitation plan made, 3,871; in process of preparation for employment, 10,009; awaiting employment, 2,414; in employment, being followed up, 866.
[4] Live roll not reported. Closed, lack of State appropriation, 1925 to 1930.

Source: Federal Board for Vocational Education.

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6. PUBLIC LANDS AND NATIONAL PARKS

GENERAL NOTE.—An original entry is a first claim to receive a given tract of public land. Perfected entry of the claim is made after required lapse of time and compliance with other conditions

No. 120.—ACREAGE OF ENTRIES AND PATENTS OF PUBLIC LAND

Class	1930 [1]			1931 [1]		
	Original entries	Perfected entries	Patented [2]	Original entries	Perfected entries	Patented [2]
Total	**5,234,258**	**1,475,682**	**1,892,475**	**5,051,294**	**1,466,730**	**1,938,864**
Homesteads	4,723,172	1,371,073	1,436,859	4,757,384	1,352,861	1,427,498
Section 2289, Revised Statutes [3]	283,266	112,835	157,933	329,957	123,555	151,010
June 17, 1902 (reclamation)	4,095	17,928	18,665	4,981	15,640	24,046
Apr. 28, 1904 (Kinkaid)	3,387	5,453	262	1,913	1,567	960
June 11, 1906 (forest)	6,953	9,892	10,742	7,113	8,693	9,738
Feb. 19, 1909 (enlarged)	453,538	152,272	191,885	336,753	169,911	189,921
June 9, 1916 (O. & C. land grant)	18,122	13,469		22,236	7,484	
Dec. 29, 1916 (stock raising)	3,953,811	1,059,224	1,057,262	4,054,431	1,026,011	1,051,593
Indian			110			230
Timber and stone		11,049	8,738		5,805	11,762
Coal land		80				
Desert land	31,791	26,941	25,050	32,525	32,440	33,833
Mineral land		22,821	42,258		20,669	42,352
Public auction		21,456	50,597		33,908	37,577
State selection	281,443			84,684		
Railroad selection	78,363		62,694	27,998		110,910
Miscellaneous	119,489	22,262	266,278	148,703	21,047	274,932

[1] Year ended June 30. [2] Includes Indian lands. [3] Original act.

No. 121.—ORIGINAL ENTRIES OF PUBLIC AND INDIAN LAND: ACREAGE UNDER ALL ACTS, YEARS ENDED JUNE 30

Item and State	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1929	1930	1931
Total	**83,037,350**	**73,192,850**	**40,619,290**	**20,611,977**	**4,612,722**	**5,434,550**	**5,218,627**
Public land	78,698,382	68,663,397	39,508,619	19,915,866	4,478,489	5,234,258	5,051,294
Indian land	4,338,968	4,529,453	1,110,670	696,111	134,233	200,292	167,333
All homesteads	66,553,270	61,312,782	36,188,601	19,072,070	4,312,424	4,920,842	4,924,046
Stock-raising homesteads		[1]14,024,083	26,752,562	15,357,627	3,567,010	4,125,120	4,201,766
Other entries	16,484,080	11,880,068	4,430,689	1,539,907	300,298	513,708	294,581
Alabama	261,020	80,228	34,320	[2]9,770			
Alaska	46,006	99,153	51,332	34,552	7,763	8,687	6,730
Arizona	2,983,329	6,894,068	3,466,675	1,907,087	536,272	602,875	547,561
Arkansas	966,135	612,668	215,396	125,143	21,309	20,014	17,617
California	4,754,715	3,117,582	2,621,522	1,796,051	331,681	397,868	299,671
Colorado	9,183,877	10,108,447	5,084,809	2,071,887	421,013	520,705	463,538
Florida	561,440	188,097	171,867	88,010	7,089	5,851	4,486
Idaho	5,173,996	3,971,195	2,082,582	971,117	188,513	196,162	219,325
Kansas	373,343	436,717	46,015				
Louisiana	92,634	67,005	21,702	[2]5,732			
Michigan	79,931	41,020	21,804				
Minnesota	1,450,591	783,983	192,433	55,817	7,193	6,103	6,625
Mississippi	120,674	63,203	22,758				
Missouri	51,108	4,789	160				
Montana	22,638,090	14,785,405	4,903,929	2,071,313	432,733	523,313	417,940
Nebraska	5,307,451	494,289	128,302	63,267	13,501	9,941	8,706
Nevada	1,231,945	905,132	465,749	356,179	51,885	78,044	32,044
New Mexico	9,889,348	9,381,322	7,140,706	4,109,018	1,004,218	1,361,529	1,505,688
North Dakota	2,286,245	987,821	136,312	64,761	7,791	13,596	19,714
Oklahoma	412,645	192,220	87,242	[2]25,871			
Oregon	3,598,122	2,688,515	2,140,987	808,332	160,532	142,442	241,360
South Dakota	3,577,067	4,158,533	1,389,637	327,119	64,124	67,903	59,058
Utah	2,069,805	1,608,720	1,633,787	1,388,576	307,074	253,012	229,918
Washington	1,840,663	1,229,018	842,992	173,686	14,770	89,397	24,978
Wisconsin	63,916	21,033	10,712				
Wyoming	4,023,211	10,182,685	7,704,901	4,121,206	1,025,790	1,123,678	1,103,566
General Land Office	40		[3]660	37,483	9,471	13,430	10,102

[1] 1918–1920 only. [2] 1926 and 1927 only. [3] Includes entries made at discontinued offices.

Source of Tables 120 and 121: General Land Office, Department of the Interior.

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No. 122.—HOMESTEADS: Acreage of Entries of Public Land, Years Ended June 30

Item and State	All homesteads							Stock raising only, 1931
	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1929	1930	1931	
Original entries, total	**62,214,302**	**56,783,329**	**35,079,617**	**18,380,143**	**4,178,495**	**4,723,172**	**4,757,384**	**4,054,431**
Alabama	249,902	79,409	34,139	[1] 9,770				
Alaska	25,342	115,138	51,012	33,549	6,897	8,687	6,570	
Arizona	1,660,665	1,153,864	1,452,551	[2] 1,727,167	505,002	572,807	442,799	274,111
Arkansas	949,384	612,668	215,172	125,002	21,309	19,873	17,468	
California	2,192,577	2,477,967	2,201,327	1,608,383	310,758	358,129	278,748	140,911
Colorado	7,740,338	9,166,561	4,368,182	1,528,449	321,301	355,373	319,938	272,270
Florida	544,376	187,187	168,086	86,305	7,084	4,836	4,475	
Idaho	4,160,456	3,285,340	1,842,656	927,604	176,497	191,265	213,899	201,174
Kansas	355,466	436,088	46,016					
Louisiana	85,684	65,117	14,746	[1] 5,732				
Michigan	76,741	41,020	21,804					
Minnesota	392,598	96,656	47,147	43,410	4,817	1,335	1,912	
Mississippi	119,313	63,203	22,758					
Missouri	33,665	4,189	160					
Montana	19,078,259	12,323,575	[4] 4,528,483	[2] 1,866,547	[2] 366,709	[2] 467,847	[2] 415,420	381,033
Nebraska	5,106,548	494,095	122,985	63,187	13,421	9,941	8,706	6,279
Nevada	672,613	340,860	281,532	214,769	44,715	47,701	29,314	21,205
New Mexico	5,204,463	7,500,836	6,765,794	3,623,688	851,233	1,121,568	1,432,610	1,299,401
North Dakota	2,129,644	790,023	128,417	57,256	7,489	11,543	17,769	12,309
Oklahoma	390,896	183,756	80,546	[1] 25,871				
Oregon	3,138,108	2,599,364	2,118,054	727,910	153,097	140,044	177,461	137,598
South Dakota	2,204,050	2,861,849	1,177,594	276,295	55,013	55,440	42,613	40,395
Utah	1,587,780	1,305,605	1,456,411	[2] 1,260,956	[2] 294,271	236,579	220,404	189,813
Washington	1,124,407	603,091	288,671	70,088	7,651	13,891	18,920	14,475
Wisconsin	62,629	19,485	10,071					
Wyoming	2,928,357	9,976,381	7,634,649	4,064,145	1,021,766	1,096,301	1,098,655	1,061,089
General Land Office	40		[3] 660	34,063	9,467	10,014	9,705	2,368
Original entries, stock-raising homesteads (incl. above)		[4] 13,721,422	26,260,485	14,828,604	3,465,727	3,953,811	4,054,431	

PERFECTED HOMESTEAD ENTRIES, ENTIRE UNITED STATES

Period or year [5]	All homesteads	Year	All homesteads	Year	All homesteads	Year	All homesteads	Stock-raising
1868–1870	1,379,116	1890	4,060,593	1905	3,419,387	1920	8,372,696	622,610
1871–1875	6,215,783	1891	3,954,588	1906	3,526,749	1921	7,726,740	1,755,099
1876–1880	11,670,439	1892	3,259,897	1907	3,740,568	1922	7,307,034	2,399,384
1881–1885	12,630,328	1893	3,477,232	1908	4,242,711	1923	5,594,259	2,627,065
1886–1890	16,330,272	1894	2,929,947	1909	3,699,467	1924	4,791,436	2,822,211
1891–1895	16,602,473	1895	2,980,809	1910	3,795,863	1925	4,048,911	2,753,924
1896–1900	15,275,648	1896	2,790,243	1911	4,620,197	1926	3,451,106	2,497,007
1901–1905	19,812,937	1897	2,778,404	1912	4,306,069	1927	2,583,627	1,932,096
1906–1910	19,005,358	1898	3,095,018	1913	10,009,285	1928	1,815,549	1,384,902
1911–1915	35,407,654	1899	3,134,140	1914	9,291,121	1929	1,700,950	1,270,617
1916–1920	38,909,565	1900	3,477,843	1915	7,180,982	1930	1,371,073	1,059,224
1921–1925	29,468,380	1901	5,241,121	1916	7,278,281	1931	1,352,861	1,026,011
1926–1930	10,922,405	1902	4,342,748	1917	8,497,390			
1868	3,175,401	1903	3,576,964	1918	8,236,438	Total, 1868 to 1931	234,983,114	22,240,150
1869	3,681,709	1904	3,232,717	1919	6,524,760			

[1] 1926 and 1927 only.
[2] Includes entries of abandoned military reservations.
[3] Includes entries made at discontinued offices.
[4] 1918–1920 only.
[5] For periods figures are totals, not averages.

No. 123.—STOCK-RAISING HOMESTEADS: Original Entries of Public and Indian Land from Passage of Act to June 30, 1931

State	Entries	Acres	State	Entries	Acres
Total	**145,059**	**60,336,078**	Nebraska	560	101,956
			Nevada	827	441,421
Arizona	5,073	2,405,184	New Mexico	28,636	12,843,997
Arkansas	4	1,600	North Dakota	817	244,439
California	7,454	3,024,644	Oklahoma	366	71,349
Colorado	18,840	7,454,633	Oregon	7,651	3,090,037
Idaho	6,857	3,077,380	South Dakota	7,457	2,543,729
Kansas	233	58,506	Utah	4,443	2,409,223
Michigan	5	1,821	Washington	1,530	488,422
Montana	19,021	6,756,484	Wyoming	35,228	15,313,065

Source of Tables 122 and 123: General Land Office, Department of the Interior.

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No. 124.—TIMBER AND STONE, COAL, MINERAL, AND DESERT LAND ENTRIES OF PUBLIC LAND

State	From passage of act to June 30, 1931				Year ended June 30, 1931.[1]			
	Timber and stone	Coal	Desert land		Timber and stone	Mineral	Desert land	
			Original	Perfected			Original	Perfected
Acreage of entries	**13,844,369**	**604,433**	**32,788,607**	**8,635,285**	**5,805**	**20,669**	**32,525**	**23,141**
Alabama	43,735	239					8,189	6,891
Alaska						2,070		
Arizona	2,943	6,693	2,586,140	363,876		1,188		
Arkansas	365,438				1,525			
California	2,898,139	5,535	5,185,955	888,158	1,154	3,398	7,929	2,152
Colorado	401,304	[2] 216,609	3,227,105	712,120	80	3,349	757	1,496
Dakota Territory		584	20,021	300				
Florida	109,194				38			
Idaho	1,016,874	3,277	3,116,730	1,034,539	173	1,516	4,186	1,776
Iowa	119							
Louisiana	150,277							
Michigan	149,667							
Minnesota	1,409,175				149			
Mississippi	19,818							
Montana	664,125	64,758	5,982,253	2,767,840		347	318	704
Nebraska	97							
Nevada	6,542	1,661	652,982	164,216		1,374	2,731	1,979
New Mexico	80	26,613	2,159,410	232,695		761	574	40
North Dakota	8,646	9,624	85,279	20,094				
Oklahoma	40							
Oregon	3,816,500	10,572	1,113,785	298,282	40	832	1,387	283
South Dakota	63,909	3,624	609,291	101,921		21		
Utah	3,196	75,823	1,510,310	461,970		3,436	4,462	4,443
Washington	2,172,642	64,894	998,269	71,025	1,139	33	315	160
Wisconsin	80,362							
Wyoming	455,711	113,924	5,541,078	1,518,249	566	2,345	1,678	4,116
General Land Office	5,836	8			940			
Number of entries	107,877	4,417	159,585	46,923	82	222	227	161
Money payment, dollars	35,568,890	11,922,602	7,890,675	8,743,728	19,537	75,441	8,136	23,128

[1] No entries for coal land in 1931. [2] Includes 58,496 acres within the Ute reservation.

No. 125.—ACREAGE OF PUBLIC LAND CERTIFIED OR PATENTED ON ACCOUNT OF RAILWAY AND WAGON-ROAD GRANTS: YEARS ENDED JUNE 30

	1911–1915, total	1916–1920, total	1921–1925, total	1926–1930, total	1928	1929	1930	1931
Railway grants, total	**4,711,489**	**5,878,674**	**6,186,079**	**[1] 1,124,880**	**84,374**	**230,419**	**[1] 73,272**	**[2] 49,579**
Alabama	40	120		[1] 399,469	115	39	[2] 8,832	[2] 1,118
Arizona	337,533	1,163,775	3,451,578	188,829	4,197	120,517	34,416	14,184
Arkansas	80		227	221	80	21	120	67
California	649,809	319,262	1,032,815	208,604	21,463	16,526	13,564	10,700
Colorado	240	160	14,482	160				
Florida	19,975		639	1,005	120		845	80
Idaho	203,971	102,108	170,611					1,127
Iowa	11	80		73			73	
Kansas			40	19				
Louisiana	9,441	484		1,044	819	58	80	
Michigan	55			510			153	
Minnesota	24,823	5,744	328	5,220	4,379	255	226	
Missouri		240	600					
Montana	2,862,095	1,704,549	251,343	2,716			2,716	5,405
Nebraska			200	436				
Nevada	76,394	515,222	712,564	163,700	44,696	70,031	6,866	8,880
New Mexico	70,505	1,525,406	344,121	146,482	8,466	21,688	3,792	40
North Dakota	53,597	623	70					
Oregon	117,678	39,372	23,986	120	40			3,750
Utah	14,617	112,351	160	1,280		1,120	80	2,543
Washington	257,955	381,113	166,283	2,979			623	1,144
Wisconsin	2,041	720	1,405	1,693		163	566	19
Wyoming	10,629	7,344	14,624	320			320	521
Wagon-road grants	253,234	19,637	34,366	2,788	1,356		40	62,530

[1] The 1930 figure includes 8,579 acres for Muscle Shoals (river improvement); the 1926–1930 total includes in addition to this amount 390,321 acres for years prior to 1930, which were not previously reported.
[2] Acreage shown for Alabama is for Muscle Shoals River Improvement.

Source of Tables 124 and 125: General Land Office, Department of the Interior.

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No. 126.—ACREAGE OF LAND CERTIFIED OR PATENTED UNDER RAILWAY OR WAGON-ROAD GRANTS FROM 1850 TO JUNE 30, 1931

State grants, total	**38,205,969**
Illinois: Illinois Central	2,595,133
Mississippi, total	1,075,345
Mobile & Ohio River	737,130
Vicksburg & Meridian	199,102
Gulf & Ship Island	139,113
Alabama, total	3,147,148
Mobile & Ohio	[1] 419,528
Alabama & Florida	399,023
Selma, Rome & Dalton	458,671
Coosa & Tennessee	67,956
Mobile & Girard	302,181
Alabama & Chattanooga	654,212
South & North Alabama	445,558
Muscle Shoals (river improvement)	400,018
Florida, total	2,218,705
Florida Central & Peninsular	743,393
Florida & Alabama	166,691
Pensacola & Georgia	1,279,237
Florida, Atlantic & Gulf Central	29,384
Louisiana: Vicksburg, Shreveport & Pacific	373,057
Arkansas, total	2,562,610
St. Louis, Iron Mountain & Southern	1,325,711
Little Rock & Fort Smith	1,052,083
Memphis & Little Rock	184,817
Missouri, total	1,837,968
Southwest branch of the Pacific road	1,161,285
Hannibal & St. Joseph	611,323
St. Louis, Iron Mountain & Southern	65,360
Iowa, total	4,929,923
Burlington & Missouri River	389,990
Chicago, Rock Island & Pacific	[2] 483,214
Cedar Rapids & Missouri River	161,533 [2] 922,898 244,023
Dubuque & Sioux City	[3] 556,407
Iowa Falls & Sioux City	683,057
Des Moines Valley (river improvement grant)	840,171
Chicago, Milwaukee & St. Paul, formerly McGregor & Missouri River	326,216
Sioux City & St. Paul	322,413
Michigan, total	3,133,741
Port Huron & Lake Michigan	37,467
Jackson, Lansing & Saginaw	743,940
Grand Rapids & Indiana	852,521
Flint & Pere Marquette	513,169
Marquette, Houghton & Ontonagon	305,930
Ontonagon & Brule River	34,227
Bay de Noquet & Marquette	128,301
Chicago & North Western	518,186
Wisconsin, total	3,652,242
Chicago, St. Paul, Minneapolis & Omaha (formerly West Wisconsin)	814,831
Wisconsin Railroad Farm Mortgage Land Co	163,160
Chicago, St. Paul, Minneapolis & Omaha (formerly St. Croix & Lake Superior)	816,488
Branch to Bayfield	471,721
Chicago & North Western	546,767
Wisconsin Central	839,276
Minnesota, total	8,045,900
St. Paul, Minneapolis & Manitoba (formerly first division, St. Paul & Pacific)	
Western R. R. (succeeded by St. Paul & Northern Pacific R. R. Co.)	[4] 3,272,664
St. Paul, Minneapolis & Manitoba (formerly St. Vincent extension of the St. Paul & Pacific)	
Minnesota Central	179,734
Winona & St. Peter	1,681,026
St. Paul & Sioux City	1,126,619
St. Paul & Duluth	861,133
Southern Minnesota, from a point on the Mississippi River to Houston	546,745
Southern Minnesota Extension (now Chicago, Milwaukee & St. Paul)	
Hastings & Dakota	377,978
Minnesota, North Dakota, Montana, and Washington: St. Paul, Minneapolis & Manitoba, now Great Northern (main and branch), a special act (Aug. 5, 1892, 27 Stat. L. 390) to provide for indemnity for lands relinquished by the company	[5]
Kansas, total	4,634,197
Leavenworth, Lawrence & Galveston	[6] 249,446
Missouri, Kansas & Texas	[6] 976,593
Atchison, Topeka & Sante Fe	2,944,788
St. Joseph & Denver City	463,369
Corporation grants, total	**94,016,726**
Central Pacific	7,437,992
Central Pacific (Western Pacific)	461,498
Central Pacific (California & Oregon)	3,228,797
Union Pacific	11,935,603
Union Pacific (Central branch)	223,140
Union Pacific (Kansas division)	6,176,384
Union Pacific (Denver Pacific)	821,324
Santa Fe Pacific (Atlanta & Pacific)	11,482,769
Burlington & Missouri River in Nebraska	2,374,091
Sioux City & Pacific (Missouri Valley Land Co.)	42,611
Northern Pacific	39,045,568
Oregon Central	128,618
Oregon & California	2,777,632
New Orleans Pacific	1,001,943
Southern Pacific (main line)	4,647,135
Southern Pacific (branch line)	2,231,620
Wagon roads, total	**3,359,188**
From Lake Erie to Connecticut Western Reserve	80,774
From Lake Michigan to Ohio River	170,580
From Fort Wilkens, Copper Harbor, Mich., to Green Bay, Wis.	302,931
From Fort Wilkens, Copper Harbor, Mich., to Wisconsin State line	221,013
Oregon Central Military Co. (now California & Oregon Land Co.)	940,514
Corvallis and Yaquina Bay	83,717
Willamette Valley and Cascade Mountain	861,512
Dalles Military Road	592,907
Coos Bay Military Road	105,240

[1] In the adjustment of this grant the road was treated as an entirety and without reference to the State line. Hence Alabama has had approved to her more and Mississippi less than they would appear to be entitled to in proportion to the length of road in the respective States.

[2] Includes 35,685 acres of the Chicago, Rock Island & Pacific Ry., 109,757 acres of the Cedar Rapids & Missouri River R. R.; and 77,535 acres of the Dubuque & Sioux City R. R., situated in the old Des Moines River grant of Aug. 8, 1846, which should be deducted.

[3] Declared to be 1 grant.

[4] See Minnesota for original grants.

[5] Leavenworth, Lawrence & Galveston includes 186,937 acres and Missouri, Kansas & Texas 270,971 acres in the Osage ceded reservation which are to be deducted under decision of the Supreme Court.

Source: General Land Office, Department of the Interior.

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No. 127.—LAND GRANTS (INCLUDING SCRIP) TO STATES FOR EDUCATIONAL AND OTHER PURPOSES: ACREAGE TO JUNE 30, 1931

NOTE.—Does not include grants to States for specific railroad and wagon road companies covered by Table 126. The column "Internal improvements" covers only general items so designated

State	Total	Common schools	Universities and agricultural education	Other educational	Miscellaneous institutions	Internal improvements	Swamp	All other
Total	**203,004,151**	**99,188,946**	**13,714,497**	**3,146,720**	**13,344,930**	**11,469,245**	**64,812,775**	**7,326,940**
Alabama	2,258,264	911,627	286,080	96,080	181	500,000	439,636	24,660
Alaska	21,445,209	21,009,209	436,000					
Arizona	10,539,236	8,093,156	396,080	450,000	500,000			1,100,000
Arkansas	9,372,993	933,778	196,080			500,000	7,686,455	56,680
California	8,426,380	5,534,293	196,080			500,000	2,189,607	6,400
Colorado	4,433,538	3,685,618	137,680		32,000	500,000		78,240
Connecticut	180,000		180,000					
Delaware	90,000		90,000					
Florida	21,970,474	975,307	90,000	92,160		500,000	20,307,887	5,120
Georgia	270,000		270,000					
Idaho	3,632,157	2,963,698	186,080	200,000	[1] 250,000			32,379
Illinois	3,639,226	996,320	480,000	46,080		533,368	1,459,868	123,589
Indiana	4,306,253	668,578	390,000	46,080		1,916,805	1,259,191	25,600
Iowa	3,019,686	988,196	286,080			500,000	1,196,130	49,280
Kansas	3,606,910	2,907,520	143,762			500,000		55,628
Kentucky	352,509		330,000		22,509			
Louisiana	11,030,046	807,271	210,212	46,080		500,000	9,466,483	
Maine	210,000		210,000					
Maryland	210,000		210,000					
Massachusetts	360,000		360,000					
Michigan	8,787,573	1,021,867	286,080			500,000	5,680,110	1,299,516
Minnesota	8,372,449	2,874,951	212,160			500,000	4,704,465	80,873
Mississippi	5,020,774	824,213	302,080	23,040	23,040	500,000	3,347,068	1,253
Missouri	5,574,486	1,221,813	330,000	46,080		500,000	3,427,953	48,640
Montana	5,869,618	5,198,258	186,560	202,000	100,000			182,800
Nebraska	3,458,711	2,730,951	136,080		32,000	500,000		59,680
Nevada	2,723,647	2,061,967	46,080	90,000	12,800	500,000		12,800
New Hampshire	150,000		150,000					
New Jersey	210,000		210,000					
New Mexico	12,656,027	8,711,324	562,703	650,000	750,000			1,982,000
New York	990,000		990,000					
North Carolina	270,000		270,000					
North Dakota	3,163,552	2,495,396	216,080	120,000	[1] 250,000			82,076
Ohio	2,493,006	724,266	630,000	69,120		1,019,072	26,332	24,216
Oklahoma	3,095,760	2,044,000	600,000	450,000	1,760			
Oregon	4,353,535	3,399,360	136,080			500,000	264,213	53,882
Pennsylvania	780,000		780,000					
Rhode Island	120,000		120,000					
South Carolina	180,000		180,000					
South Dakota	3,434,203	2,733,084	246,080	120,000	[1] 250,640			84,399
Tennessee	300,000		300,000					
Texas	180,000		180,000					
Utah	7,464,276	5,844,196	356,080	200,000	500,000			564,000
Vermont	150,000		150,000					
Virginia	300,000		300,000					
Washington	3,044,471	2,376,391	136,080	200,000	[1] 200,000			132,000
West Virginia	150,000		150,000					
Wisconsin	6,220,615	982,329	332,160			500,000	3,357,377	1,048,749
Wyoming	4,138,569	3,470,009	136,080		[2] 420,000			112,480

[1] Includes "Educational and charitable" as follows: Idaho, 150,000 acres; North Dakota, 170,000 acres; South Dakota, 170,000 acres; Washington, 200,000 acres.
[2] Includes educational, penal, etc., 290,000 acres.

Source: General Land Office, Department of the Interior.

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No. 128.—ACREAGE OF PUBLIC AND INDIAN LAND PATENTED: YEARS ENDED JUNE 30

Class	1921–1925, total	1926–1930, total	1931	State	1921–1925, total	1926–1930, total	1931
Total	46,515,448	15,731,063	1,938,864	Alabama	54,118	45,996	2,686
				Alaska	68,415	45,419	5,897
Abandoned military reservation	62,594	20,811		Arizona	5,084,864	798,358	154,419
Coal	12,810	[1] 757		Arkansas	322,674	111,158	18,012
Commuted homestead	331,201	110,027	12,348	California	2,782,158	1,217,337	189,943
Desert land	1,063,845	272,256	33,833	Colorado	5,644,673	1,891,601	210,760
				Dist. of Col		4	
Desert-land segregation	244,359	[2] 21,594		Florida	121,705	124,401	5,543
Forest exchange		102,768	49,455	Idaho	1,864,173	613,815	64,437
Forest homesteads	596,396	115,781	9,738	Illinois	3,331	2,280	27
Forest lieu selection	161,840	39,189	4,583				
Homesteads, final	5,530,497	1,276,376	135,148	Indiana	3,908	5,696	1,140
				Iowa	1,424	1,747	120
Homesteads, enlarged	14,501,164	2,075,551	189,921	Kansas	157,307	15,800	1,792
Homesteads, stock-raising	12,199,452	8,709,206	1,051,593	Louisiana	77,737	119,180	17,161
Indian homestead	577,468	221,988	230	Michigan	75,943	28,334	1,770
Indian trust	2,715,951	1,035,315	151,860				
Mineral	266,643	229,731	42,352	Minnesota	327,094	96,118	4,022
				Mississippi	68,913	68,590	4,053
Miscellaneous cash	90,164	72,708	5,498	Missouri	5,669	3,723	4,410
Private land claim	137,271	81,003	12,445	Montana	9,994,114	2,953,716	270,698
Public sale	473,304	176,534	37,577	Nebraska	266,832	68,290	9,546
Railroad	6,185,467	724,691	110,910				
Reclamation homesteads	143,894	61,843	24,046	Nevada	937,424	331,114	29,621
				New Mexico	4,997,676	2,284,054	319,396
Small holding claim	16,087	4,120	399	North Dakota	601,987	79,399	7,814
Soldiers, additional	19,406	11,141	3,514	Ohio	4,394	2,404	198
Special acts	741,801	121,210	37,342	Oklahoma	95,371	36,756	3,663
Swamp	58,589	88,872	7,079				
Timber sales	[3] 34,959	[4,5] 23,478	[6]	Oregon	2,085,167	809,853	148,131
				South Dakota	2,307,205	599,466	54,423
Timber and stone	240,982	84,165	11,762	Utah	701,475	595,190	100,367
Town lots	2,718	3,077	231	Washington	753,944	283,628	24,299
Town site	964	[6] 1,382	116	Wisconsin	22,083	12,965	1,573
Miscellaneous	105,596	45,486	6,883	Wyoming	7,083,673	2,484,671	282,943

[1] Total for years 1926 to 1928.
[2] Total for years 1926 to 1929.
[3] Total for years 1924 and 1925.
[4] Total for years 1926 and 1927.
[5] There were timber sales from 7,386 acres in 1928, 13,037 acres in 1929, 10,707 acres in 1930, and 5,456 acres in 1931 of revested cut-over lands which are not included in the table.
[6] Total for years 1926, 1927, 1928, and 1930.

Source: General Land Office, Department of the Interior.

No. 129.—RECEIPTS UNDER THE MINERAL LEASING ACT OF FEBRUARY 25, 1920: FROM THE PASSAGE OF THE ACT TO JUNE 30, 1931

State	Total	1921–1926, total	1927	1928	1929	1930	1931
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	79,902,423	56,400,749	6,669,519	4,677,854	3,884,879	4,738,268	3,531,655
Alabama	127,671	87,300	1,565	3,036	8,818	14,500	12,453
Arizona	101						101
California	19,857,548	14,749,645	1,194,086	1,389,800	644,191	1,009,373	870,454
Colorado	714,850	225,621	109,047	96,839	101,903	97,858	83,581
Idaho	17,682	1,297	1,963	2,482	2,996	2,851	6,093
Louisiana	42,600	4,950	14,216	3,898	12,118	3,886	3,532
Montana	1,783,714	1,161,482	188,897	119,070	113,188	109,479	91,597
Nevada	6,760	2,217	1,440	1,463	730	830	80
New Mexico	396,858	28,777	15,392	25,835	45,273	118,148	163,433
North Dakota	151,787	34,542	7,744	32,740	30,411	23,721	22,628
South Dakota	1,331	542	19	40	40	130	560
Utah	515,920	164,767	34,871	58,081	88,887	81,502	87,813
Washington	32,292	18,920	2,504	3,977	452	1,531	4,908
Wyoming	56,253,308	39,920,688	5,097,775	2,940,091	2,835,871	3,274,459	2,184,423

Source: General Land Office, Department of the Interior.

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No. 130.—ACREAGE OF PUBLIC LAND WITHDRAWN FROM SETTLEMENT AND RESTORATIONS THEREFROM

NOTE.—These figures cover withdrawals and restorations for purposes shown only. They do not include national forests (see tables in section 29, Forests and Forest Products), national parks (see Table 133), withdrawals under the reclamation act, or small miscellaneous reservations

	Coal land	Oil land	Phosphate land	Potash land	Power-site reserve[1]	Reservoir sites	Public water reserve
Withdrawals outstanding June 30—							
1921	39, 875, 414	6, 691, 414	2, 724, 340	130, 100	3, 705, 617	200, 894	244, 632
1922	34, 966, 492	6, 580, 611	2, 425, 494	130, 100	3, 684, 350	202, 438	255, 249
1923	34, 558, 369	6, 417, 662	2, 425, 454	130, 100	3, 848, 236	202, 438	254, 810
1924	31, 951, 634	5, 995, 939	2, 390, 873	130, 100	3, 883, 141	210, 422	355, 232
1925	31, 442, 263	5, 940, 921	2, 319, 863	130, 100	4, 243, 768	210, 422	357, 307
1926	31, 128, 509	5, 802, 617	2, 320, 023	7, 548, 537	4, 499, 621	253, 608	359, 566
1927	30, 535, 330	5, 273, 362	2, 307, 919	7, 548, 537	4, 915, 131	253, 608	362, 521
1928	29, 940, 372	5, 275, 236	2, 031, 306	7, 548, 216	4, 994, 937	254, 528	392, 876
1929	29, 883, 366	5, 183, 096	2, 005, 045	9, 411, 939	5, 079, 487	254, 050	405, 231
1930	29, 825, 446	5, 183, 096	2, 004, 765	9, 411, 939	5, 118, 942	254, 050	419, 339
1931	29, 665, 974	5, 259, 426	2, 004, 765	9, 411, 906	5, 077, 532	254, 010	427, 774
Alabama					1, 789		
Alaska	17, 486				208, 543		
Arizona	139, 415	356			1, 225, 539		21, 375
Arkansas					24, 833		
California	17, 603	1, 269, 912		90, 324	612, 895	45, 226	188, 853
Colorado	4, 142, 233	217, 304			425, 720		8, 013
Florida			66, 796				
Idaho	4, 761		391, 532		426, 371		17, 097
Louisiana		466, 990					
Michigan					1, 240		
Minnesota					12, 309		
Montana	7, 863, 941	1, 336, 929	279, 944		179, 296	9, 080	9, 376
Nebraska					761		
Nevada	83, 673			39, 422	59, 774		16, 121
New Mexico	5, 081, 089			9, 282, 160	257, 744		9, 566
North Dakota	5, 954, 364	84, 894					
Oregon	4, 361				641, 896	18, 603	28, 222
South Dakota							240
Utah	3, 404, 043	1, 341, 264	277, 344		604, 295	26, 040	41, 966
Washington	691, 801				285, 830	36, 327	960
Wyoming	2, 260, 604	541, 777	989, 149		108, 697	118, 734	85, 985
New withdrawals during year ended June 30—							
1927	25, 996				457, 466		4, 275
1928					84, 789	920	31, 153
1929				1, 863, 723	105, 886		13, 440
1930	206				81, 829		16, 513
1931	17, 280	91, 520			20, 042		10, 480
Alaska	17, 280				4, 760		
Arizona							285
Arkansas					772		
California		91, 520			5, 061		920
Colorado							320
Idaho					165		1, 680
Montana							440
Nevada					4, 582		1, 560
New Mexico							640
Oregon							1, 540
Utah					2, 552		1, 735
Washington					983		40
Wyoming					1, 167		1, 320
Restorations of land previously withdrawn, year ended June 30—							
1927	619, 175	529, 255	12, 104		41, 956		1, 360
1928	389, 531	3, 960	9, 596	40	5, 081		798
1929	57, 006	92, 140	26, 261		21, 336	478	1, 085
1930	58, 126		280		42, 374		2, 405
1931	176, 752	15, 190		33	61, 452	40	2, 045
Alaska					4, 094		
Arizona					1, 011		260
Arkansas					40		
California				33	360	40	240
Colorado		1, 693			1, 968		500
Idaho					4, 168		
Montana		13, 497			1, 710		160
Nevada							285
New Mexico	2, 380				5, 760		320
Oregon					37, 104		280
Utah	174, 372				5, 077		
Washington					80		
Wyoming					80		

[1] Includes withdrawals under act of June 25, 1910, power-site designations under acts of June 20, 1910, and June 9, 1916, and power-site classifications under act of Mar. 3, 1879.

Source: General Land Office, Department of the Interior.

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No. 131.—PUBLIC LAND: ACRES UNAPPROPRIATED AND UNRESERVED, JUNE 30

State	1890	1900	1910	1920	1929	1930	1931
Total	[1] 586,216,861	[1] 557,643,120	343,971,674	200,320,128	190,031,722	178,979,448	177,101,551
Alabama	1,105,060	359,250	108,210	37,200			
Arizona	49,699,052	50,286,986	41,491,369	18,268,909	16,911,367	15,180,880	14,366,400
Arkansas	4,902,329	3,493,444	512,705	276,595	205,933	190,969	184,170
California	53,922,718	42,467,512	24,864,884	19,585,801	20,209,421	16,623,488	16,046,948
Colorado	39,994,446	39,650,247	21,726,192	8,941,185	8,218,875	8,027,468	7,657,140
Florida	5,624,426	1,596,411	453,009	120,077	13,855	18,897	21,707
Idaho	46,957,290	43,286,694	24,743,804	8,805,112	10,734,420	10,617,970	11,485,927
Iowa	5,000						
Kansas	755,791	1,196,900	137,180	4,346			
Louisiana	1,358,853	442,224	88,911	14,240			
Michigan	832,707	430,483	107,890	73,523			
Minnesota	6,913,554	4,696,203	1,563,302	256,297	197,996	189,845	193,090
Mississippi	1,407,480	285,804	47,058	33,360			
Missouri	1,151,463	337,946	2,510	18			
Montana	64,807,627	67,963,057	36,015,943	5,973,741	6,900,144	6,601,677	6,410,032
Nebraska	11,226,584	9,798,688	1,879,486	66,844	28,960	22,628	20,805
Nevada	50,804,540	61,277,506	56,474,688	54,267,175	53,410,938	51,454,493	51,399,296
New Mexico	56,360,326	56,541,170	36,454,692	18,448,878	16,282,582	15,664,121	14,383,995
North Dakota	30,497,400	18,725,239	1,410,225	81,044	152,113	146,505	146,349
Oklahoma	[2] 3,694,693	5,733,572	5,007	7,404			
Oregon	38,273,228	34,377,907	17,580,573	14,006,757	13,227,141	13,069,136	12,982,257
South Dakota	10,241,498	11,930,809	4,562,804	288,472	402,670	439,880	459,516
Utah	36,205,100	42,967,451	35,955,554	29,991,715	25,147,867	23,881,445	25,157,000
Washington	19,646,316	11,125,883	3,196,059	1,086,686	951,903	920,584	930,389
Wisconsin	819,320	313,565	14,460	5,154			
Wyoming	49,010,060	48,358,169	34,575,159	19,679,595	17,035,537	15,929,460	15,256,530

[1] Exclusive of the Cherokee Strip, containing 8,004,644 acres, and all other lands owned or claimed by the Indians in the Indian Territory west of the ninety-sixth degree of longitude.
[2] Figures include 3,672,640 acres of unsurveyed land in public land strip.
Source: General Land Office, Department of the Interior.

No. 132.—AREA OF INDIAN RESERVATIONS AND INDIAN POPULATION OF THE UNITED STATES, EXCLUSIVE OF ALASKA: JUNE 30

State	Area of Indian reservations—unallotted square miles					Indian population				
	1900	1910	1920	1930	1931	1900	1910	1920 [1]	1930 [2]	1931
Total	121,665	64,135	55,792	50,151	45,953	270,544	304,950	336,337	[3] 340,541	[3] 314,543
Arizona	23,673	30,242	34,195	31,881	26,950	40,189	38,475	42,400	47,072	47,577
California	635	567	690	774	899	11,431	20,976	16,241	19,197	19,251
Colorado		756	619	619	619	995	815	796	813	807
Florida		37	42	42	42	575	358	454	578	575
Idaho	2,132	750	87	90	90	3,557	3,988	4,048	3,890	3,915
Indian Territory	30,490					[4] 86,265				
Iowa	4	5	5	5	5	385	372	345	389	398
Kansas	44	1		2	2	1,211	1,385	1,466	1,602	1,752
Michigan	18	4				7,557	6,784	7,510	[5] 1,192	[5] 1,192
Minnesota	2,448	910	865	868	868	8,952	11,095	12,681	15,767	15,825
Montana	14,845	8,682	5,538	1,183	1,110	10,076	10,766	12,374	14,238	14,498
Nebraska	117	11	10	12	11	3,854	3,784	2,461	4,358	4,389
Nevada	1,491	1,073	1,135	1,300	1,300	8,321	6,192	5,900	4,975	4,973
New Mexico	2,606	2,889	3,278	5,524	7,636	9,480	18,837	21,530	28,113	28,294
New York	137	137	137	137		5,334	5,476	6,432	4,445	4,491
North Carolina	154	99	99	99	99	1,436	1,999	8,268	3,194	3,204
North Dakota	5,784	2,031	156	2	29	8,276	8,256	9,018	10,793	10,954
Oklahoma	10,756	4,695	5	60	61	13,926	[4] 117,088	[4] 119,255	[4] 121,884	[4] 93,785
Oregon	2,031	1,995	1,860	1,756	1,755	4,063	3,477	6,629	4,518	4,502
South Dakota	14,050	4,554	568	382	347	19,212	20,303	23,010	23,726	24,013
Texas				5	5	290	470	702	250	250
Utah	3,186	280	526	532	1,542	2,115	1,697	3,057	1,591	1,740
Washington	3,646	3,790	2,655	1,330	1,335	9,827	9,625	11,114	12,572	12,652
Wisconsin	595	477	424	428	427	10,726	10,303	10,319	11,705	11,796
Wyoming	2,828	149	2,899	3,120	820	1,642	1,701	1,748	2,014	2,042
Miscellaneous						849	728	8,579	1,665	1,668

[1] Figures include 1920 census data for States in which there are no Indian agencies.
[2] Apr. 1, 1930.
[3] In 1930, Indians no longer under the jurisdiction of the Office of Indian Affairs were dropped from the tabulations. The decrease in 1931 was caused by the elimination of freedmen and intermarried whites of the Five Civilized Tribes and the inclusion of the Census Bureau figure. See note 4.
[4] Figures include data for the Five Civilized Tribes, as follows: 1900, 84,570; 1910, 101,287; 1920 and 1930, 101,506. The latter figure is according to the final rôle of Mar. 4, 1907, and includes 23,405 freedmen and 2,582 intermarried whites. It is impossible to give a reliable estimate of living members. The 1931 figure includes 72,643 members as reported by the Bureau of the Census.
[5] 1927.
Source: Commissioner of Indian Affairs, Department of the Interior.

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No. 133.—NATIONAL PARKS AND NATIONAL MONUMENTS

PARKS ADMINISTERED BY NATIONAL PARK SERVICE

Name	Location	When established	Area	Description
			Sq. miles	
Total area			12,542	
Hot Springs[1]	Middle Arkansas.	Mar. 4, 1921	1½	46 hot springs possessing curative properties—Many hotels and boarding houses—19 bathhouses under public control.
Yellowstone[1]	Northwestern Wyoming, southwestern Montana, and northeastern Idaho.	Mar. 1, 1872	[2] 3,426	More geysers than in all the rest of world together — Boiling springs — Mud volcanoes—Petrified forests—Grand Canyon of the Yellowstone, remarkable for gorgeous coloring—Large lakes—Many large streams and waterfalls—Vast wilderness, greatest wild bird and animal preserve in the world—Exceptional trout fishing.
Sequoia[1]	Middle eastern California.	Sept. 25, 1890	604	The Big Tree National Park—Thousands of sequoia trees over 10 feet in diameter, some 20 to 30 feet—Towering mountain ranges—Startling precipices—Mount Whitney and Kern River Canyon.
Yosemite[1]	do	Oct. 1, 1890	1,162	Valley of world-famed beauty — Lofty cliffs—Romantic vistas—Many waterfalls of extraordinary height—3 groves of big trees—High Sierra—Waterwheel Falls—Good trout fishing.
General Grant[1]	do	do	4	Created to preserve the celebrated General Grant Tree, 40 feet in diameter.
Mount Rainier[1]	West central Washington.	Mar. 2, 1899	378	Largest accessible single peak glacier system—28 glaciers, some of large size—45 square miles of glacier, 50 to 500 feet thick—Wonderful subalpine wild-flower fields.
Crater Lake[1]	Southwestern Oregon.	May 22, 1902	249	Lake of extraordinary blue in crater of extinct volcano—Sides 1,000 feet high—Interesting lava formation—Fine fishing.
Wind Cave[1]	South Dakota.	Jan. 9, 1903	19	Cavern having many miles of galleries and numerous chambers containing peculiar formations.
Platt	Southern Oklahoma.	July 1, 1902	1½	Many sulphur and other springs possessing medicinal value.
Mesa Verde[1]	Southwestern Colorado.	June 29, 1906	80	Most notable and best preserved prehistoric cliff dwellings in United States, if not in the world.
Glacier[1]	Northwestern Montana.	May 11, 1910	1,534	Rugged mountain region of unsurpassed alpine character—250 glacier-fed lakes of romantic beauty—60 small glaciers—Precipices thousands of feet deep—Almost sensational scenery of marked individuality—Fine trout fishing.
Rocky Mountain[1]	North middle Colorado.	Jan. 26, 1915	401	Heart of the Rockies—Snowy range, peaks 11,000 to 14,255 feet altitude—Remarkable records of glacial period.
Hawaii[1]	Hawaii	Aug. 1, 1916	245	Three volcanic areas—Kilauea and Mauna Loa on Hawaii; Haleakala on Maui.
Lassen Volcanic[1]	Northern California.	Aug. 9, 1916	163	Only active volcano in United States proper—Lassen Peak, 10,453 feet—Cinder cone 6,913 feet—Hot Springs—Mud geysers.
Mount McKinley	South central Alaska.	Feb. 26, 1917	2,645	Highest mountain in North America—Rises higher above surrounding country than any other mountain in the world.
Grand Canyon[1]	North central Arizona.	Feb. 26, 1919	1,009	The greatest example of erosion and the most sublime spectacle in the world
Acadia[1]	Maine coast	do	18	Group of granite mountains on Mount Desert Island and also bold point on opposite mainland across Frenchman's Bay. Formerly Lafayette National Park.
Zion[1]	Southwestern Utah.	Nov. 19, 1919	148	Magnificent gorge (Zion Canyon), depth from 1,500 to 2,500 feet, with precipitous walls—Of great beauty and scenic interest.
Bryce Canyon	Southwestern Utah.	Feb. 25, 1928	55	Box canyon filled with countless array of fantastically eroded pinnacles—Best exhibit of vivid coloring of earth's materials.
Grand Teton	Northwestern Wyoming.	Feb. 26, 1929	150	Includes spectacular Teton Mountains, a granite uplift of unusual grandeur.
Carlsbad Caverns	Southeastern New Mexico.	May 14, 1930	1	Contains stupendous caverns, not yet wholly explored, with magnificent limestone decorations.
Great Smoky Mountains (proposed).	North Carolina and Tennessee.	Aug. 28, 1930	248	Not to be developed as a national park until at least 427,000 acres have been donated to the United States, as specified in the organic act.

[1] General information circulars on these parks may be obtained free from Department of the Interior.
[2] In Wyoming, 3,139 square miles; in Montana, 240; in Idaho, 47.

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No. 133.—National Parks and National Monuments—Continued

MILITARY AND OTHER PARKS ADMINISTERED BY THE WAR DEPARTMENT

Name	Location	When established	Area	Description
			Acres	
Total area			14,132	
Antietam Battle Field.	Maryland	Aug. 30, 1890	40	Scene of one of the greatest battles of the Civil War.
Chickamauga and Chattanooga.	Georgia and Tennessee.	Aug. 19, 1890	6,542	Beautiful natural park; embraces battle fields of Chickamauga and Missionary Ridge and scenes of other conflicts of the Civil War fought in the vicinity of Chattanooga during 1863.
Fredericksburg and Spotsylvania.	Virginia	Feb. 14, 1927	None.	Scene of battles of Fredericksburg, Spotsylvania, Wilderness, Chancellorsville, and Salem Church at or near Fredericksburg.
Fort Donelson	Tennessee	Mar. 26, 1928	do	Site of Civil War fort—now military cemetery.
Gettysburg [1]	Pennsylvania	Feb. 11, 1895	2,317	Beautiful natural park; scene of Civil War combat; probably better marked than any other battle field in the world.
Guilford Courthouse.	North Carolina.	Mar. 2, 1917	110	Near Greensboro; scene of one of the great battles of the Revolution; fought in 1781.
Moores Creek	do	June 2, 1926	30	Scene of one of most memorable battles of Revolutionary War.
Petersburg	Virginia	July 3, 1926	185	Scene of campaign and siege and defense of Petersburg, Va., in 1864 and 1865.
Shiloh	Tennessee	Dec. 27, 1894	3,584	Natural park embracing the battle field of Shiloh near Pittsburg Landing.
Stones River	do	Mar. 3, 1927	None.	Scene of the battle of Stones River in Tennessee.
Vicksburg	Mississippi	Feb. 21, 1899	1,324	Beautiful natural park; scene of the siege and surrender of Vicksburg in 1863 during the Civil War.

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE

			Acres	
Total area			4,092,383	
Devils Tower	Wyoming	Sept. 24, 1906	1,153	Remarkable natural rock tower, of volcanic origin, 1,200 feet in height.
Montezuma Castle	Arizona	Dec. 8, 1906	[4] 160	Prehistoric cliff-dwelling ruin of unusual size in a niche in face of a vertical cliff. Of scenic and ethnologic interest.
El Morro	New Mexico	do	240	Enormous sandstone rock eroded in form of a castle, upon which inscriptions have been placed by early Spanish explorers. Contains cliff-dweller ruins. Of great historic, scenic, and ethnologic interest.
Petrified Forest	Arizona	do	36,918	Abundance of petrified coniferous trees, one of which forms a small natural bridge. Is of great scientific interest.
Chaco Canyon	New Mexico	Mar. 11, 1907	[4] 21,512	Numerous cliff-dweller ruins, including communal houses in good condition, and but little excavated.
Muir Woods [2]	California	Jan. 9, 1908	426	One of the most noted redwood groves, in California, and was donated by Hon. William Kent, ex-Member of Congress. Located 7 miles from San Francisco.
Pinnacles	do	Jan. 16, 1908	4,907	Many spirelike rock formations, 600 to 1,000 feet high, visible many miles; also numerous caves and other formations.
Natural bridges	Utah	Apr. 16, 1908	[4] 2,740	Three natural bridges, among largest of their kind. Largest is 222 feet high, 65 feet thick at top of arch; arch is 28 feet wide; span, 261 feet; height of span, 157 feet.
Lewis and Clark Cavern. [3]	Montana	May 11, 1908	160	Immense limestone cavern of great scientific interest, magnificently decorated with stalactite formations. Now closed to public because of depredations by vandals.
Tumacacori	Arizona	Sept. 15, 1908	10	Ruin of Franciscan mission dating from seventeenth century. Being restored by National Park Service as funds permit.
Navajo	do	Mar. 20, 1909	360	Contains numerous pueblo, or cliff-dweller ruins, in good preservation.
Shoshone Cavern	Wyoming	Sept. 21, 1909	210	Cavern of considerable extent, near Cody.
Gran Quivira	New Mexico	Nov. 1, 1909	611	One of the most important of earliest Spanish mission ruins in the Southwest. Monument also contains pueblo ruins.

[2] Donated in whole or in part to the United States. [4] Estimated.

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No. 133.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY NATIONAL PARK SERVICE—Continued

Name	Location	When established	Area	Description
			Acres	
Sitka	Alaska	Mar. 23, 1910	57	Park of great natural beauty and historic interest as scene of massacre of Russians by Indians. Contains 16 totem poles of best native workmanship.
Rainbow Bridge	Utah	May 30, 1910	160	Unique natural bridge of great scientific interest and symmetry. Height 309 feet above water, and span is 278 feet, in shape of rainbow.
Colorado	Colorado	May 24, 1911	13,749	Many lofty monoliths, and is wonderful example of erosion, and of great scenic beauty and interest.
Dinosaur	Utah	Oct. 4, 1915	80	Deposits of fossil remains of prehistoric animal life of great scientific interest.
Capulin Mountain	New Mexico	Aug. 9, 1916	680	Cinder cone of geologically recent formation.
Verendrye	North Dakota	June 29, 1917	250	Includes Crowhigh Butte, from which Explorer Verendrye first beheld territory beyond the Missouri River.
Casa Grande	Arizona	Aug. 3, 1918	472	These ruins are one of the most noteworthy relics of a prehistoric age and people within the limits of the United States. Discovered in ruinous condition in 1694.
Katmai	Alaska	Sept. 24, 1918	2,697,590	Wonderland of great scientific interest in the study of volcanism. Phenomena exist upon a scale of great magnitude. Includes Valley of Ten Thousand Smokes.
Scotts Bluff	Nebraska	Dec. 12, 1919	1,894	Region of historic and scientific interest. Many famous old trails, traversed by the early pioneers in the winning of the West, passed over and through this monument.
Yucca House [3]	Colorado	Dec. 19, 1919	9.6	Located on eastern slope of Sleeping Ute Mountain. Is pile of masonry of great archæological value, relic of prehistoric inhabitants.
Fossil Cycad	South Dakota	Oct. 21, 1922	320	Area containing deposits of fossil plants.
Aztec Ruins [3]	New Mexico	Jan. 24, 1923	25.9	Prehistoric ruin of pueblo type containing 500 rooms and other ruins.
Hovenweep	Utah-Colorado	Mar. 2, 1923	286	Four groups of prehistoric towers, pueblos, and cliff dwellings.
Pipe Spring	Arizona	May 31, 1923	40	Old stone fort and spring of pure water in desert region. Serves as memorial to early western pioneer life.
Craters of the Moon	Idaho	May 2, 1924	49,602	Best example of fissure lava flows; volcanic region with weird landscape effects.
Wupatki	Arizona	Dec. 9, 1924	2,234	Prehistoric dwellings of ancestors of Hopi Indians.
Glacier Bay	Alaska	Feb. 26, 1925	1,164,800	Contains tidewater glaciers of first rank.
Arches	Utah	Apr. 12, 1929	4,520	Contains extraordinary examples of wind erosion in the shape of gigantic arches, windows, and other unique formations.
George Washington birthplace	Virginia	Jan. 23, 1930	385	Site of home in which George Washington was born; rehabilitated and replica of the old homestead erected.
Colonial	do	Dec. 30, 1930	1,961	Three areas of historic importance with connecting parkway—Jamestown Island, site of first permanent English settlement in America in 1607; Williamsburg, seat of government of Colonial Virginia for nearly a century; Yorktown, scene of culminating battle of the Revolution.
Canyon de Chelly	Arizona	Apr. 1, 1931	83,840	Many cliff dwellings containing records of cultural progress covering longer period than any other ruins discovered in Southwest. Twenty-mile box canyon joined by lateral canyon. Walls of red sandstone from 700 to 1,000 feet high.

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE

Total area			*Acres* 381,185	
Gila Cliff Dwellings	New Mexico	Nov. 16, 1907	160	Numerous cliff-dweller ruins of much interest and in good preservation.
Tonto	Arizona	Dec. 19, 1907	[4] 640	Do.
Jewel Cave	South Dakota	Feb. 7, 1908	[4] 1,280	Cavern of limestone formation; consists of series of chambers connected by narrow passages, with numerous side galleries.
Wheeler	Colorado	Dec. 7, 1908	300	Of much geological interest as example of eccentric erosion and extinct volcanic action. Of much scenic beauty.

[3] Donated in whole or part to the United States. [4] Estimated.

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No. 133.—National Parks and National Monuments—Continued

MONUMENTS ADMINISTERED BY THE DEPARTMENT OF AGRICULTURE—Contd.

Name	Location	When established	Area	Description
			Acres	
Mount Olympus	Washington	Mar. 2, 1909	298,730	Contains many objects of great and unusual scientific interest, including many glaciers. Is summer range and breeding ground of the rare Roosevelt elk.
Oregon Caves	Oregon	July 12, 1909	480	Caves in limestone formation of great variety and beauty. These assume odd, grotesque, and fantastic forms of considerable extent and are situated in an attractive environment.
Devils Postpile	California	July 6, 1911	800	Spectacular mass of hexagonal basaltic columns, like an immense pile of posts. Said to rank with famous Giant's Causeway in Ireland.
Walnut Canyon	Arizona	Nov. 30, 1915	960	Contains cliff dwellings of much scientific and popular interest.
Bandelier	New Mexico	Feb. 11, 1916	22,075	Vast numbers of cliff-dweller ruins, with artificial caves, stone sculpture, and other relics of prehistoric life.
Old Kasaan	Alaska	Oct. 25, 1916	38	Abandoned Indian village in which there are numerous remarkable totem poles and other objects of historical interest.
Lehman Caves	Nevada	Jan. 24, 1922	593	Limestone caverns of much beauty and of scientific interest and importance.
Timpanogos Cave	do	Oct. 14, 1922	250	Limestone cavern almost 600 feet long.
Chiricahua	Arizona	Apr. 18, 1924	4,480	Natural rock formations within Coronado National Forest.
Lava Beds	California	Nov. 21, 1925	45,967	Interesting ice caves. Battleground of Modoc Indian War, 1873.
Holy Cross	Colorado	May 11, 1929	1,392	Figure in form of Greek Cross may be seen on side of the Mount of the Holy Cross.
Sunset Crater	Arizona	May 26, 1930	3,040	A volcanic crater with lava flows and ice caves near famous San Francisco Peaks.

MONUMENTS ADMINISTERED BY THE WAR DEPARTMENT

			Acres	
Total area			646	
Chalmette	Louisiana	Mar. 4, 1907	17	Erected in memory of the Battle of New Orleans which was fought on Jan. 8, 1815.
Big Hole Battle Field.	Montana	June 23, 1910	5	Site of battle fought Aug. 9, 1877, between a small force of United States troops and a much larger force of Nez Perce Indians, resulting in rout for Indians.
Cabrillo	California	Oct. 14, 1913	1	Of historic interest because of discovery of the territory now partly embraced in the State of California by Juan Rodriguez Cabrillo, who at this point first sighted land on Sept. 28, 1542.
Abraham Lincoln's birthplace.	Kentucky	July 17, 1916	110	Contains the log cabin and part of the farm where Abraham Lincoln was born.
Mound City Group	Ohio	Mar. 2, 1923	57	Famous group of prehistoric mounds in Camp Sherman Military Reservation.
Fort Wood	New York	Oct. 15, 1924	2.5	Site of the Statue of Liberty.
Castle Pinckney	South Carolina	do	3.5	Fortification built in 1810 to replace a Revolutionary fort.
Fort Pulaski	Georgia	do	20	Built in 1810 to replace Fort Greene of the Revolution.
Fort Marion	Florida	do	18	Fort built by Spaniards in 1656.
Fort Matanzas	do	do	1	Relic of Spanish invasion.
Meriwether Lewis	Tennessee	Feb. 6, 1925	300	Contains grave of Captain Lewis of the Lewis and Clark expedition.
Fort Niagara	New York	Sept. 5, 1925	.0074	Commemorates erection and dedication of cross by a French Jesuit missionary on Good Friday, 1688.
Fort McHenry	Maryland	Mar. 3, 1925	47	Restored and preserved as birthplace of "Star-Spangled Banner."
White Plains Battle Field.	New York	May 18, 1926	None.	Memorial tablet to indicate the position of the Revolutionary army under the command of General Washington.
Kitty Hawk	North Carolina.	Mar. 2, 1927	None.	Scene of first sustained flight by heavier-than-air machine.
Kenesaw Mountain.	Georgia	Feb. 15, 1928	60	Site of important Civil War engagement fought June 27, 1864.
Brices Cross Roads	Mississippi	Feb. 21, 1929	1	Site of Civil War battle, June 10, 1864.
Tupelo	do	do	None.	Commemorates the Battle of Tupelo.
Monocacy	Maryland	Mar. 1, 1929	1	Site of Civil War Battle of Monocacy.
Cowpens	South Carolina.	Mar. 4, 1929	1	Site of Revolutionary War Battle of Cowpens, Jan. 17, 1781.
New Echota	Georgia	May 28, 1930	1	Site of Capitol of Cherokee Indians.

Source: Annual Report of the Secretary of the Interior.

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No. 134.—CLIMATIC CONDITIONS: SELECTED CITIES IN THE UNITED STATES

NOTE.—The table presented herewith shows the more important facts concerning the weather at a number of points in the United States selected with a view to covering all the important climatic sections and including at least one from each State. The temperature extremes include the entire period of observations to Dec. 31, 1931. Other data are long-time averages covering periods ranging from 20 to more than 50 years. All monthly mean temperature values except those at Asheville, Hartford, and Wilmington, are normals, based on long records. Similarly, all monthly averages of precipitation are normals except the amounts given at Wilmington. Average hourly wind velocity data are 3-cup anemometer values corrected through 1930. Temperatures are Fahrenheit.

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
ALABAMA, MONTGOMERY													
Temperature:													
Monthly mean	48.2	51.6	57.8	65.3	73.4	79.6	81.7	80.8	76.3	66.6	55.8	49.4	65.5
Daily mean maximum	57.5	60.6	67.9	75.6	83.3	89.6	90.9	89.9	86.2	76.3	66.0	58.2	75.2
Daily mean minimum	39.8	42.3	48.3	55.2	62.9	70.1	72.3	71.7	67.4	56.1	46.0	40.6	56.1
Highest on record	80	84	90	92	99	106	107	103	106	96	85	81	107
Lowest on record	5	−5	21	30	43	48	61	58	45	31	18	8	−5
Precipitation:													
Total, inches	5.20	5.45	5.99	4.30	3.84	3.80	4.86	4.23	2.99	2.46	3.23	4.84	51.19
Days with 0.01 inch or more	11	10	10	8	9	11	12	11	8	6	7	10	113
Total snowfall, inches	0.2	0.3	(1)	(1)	0	0	0	0	0	0	(1)	0.3	0.8
Percentage of possible sunshine	52	54	60	68	69	70	63	66	66	67	63	47	62
Number of clear days	9	9	12	12	13	9	8	9	13	16	13	10	133
Hourly wind velocity, miles	6.6	6.4	7.1	6.4	5.9	5.5	5.0	4.6	5.0	5.8	6.1	5.7	5.8
ARIZONA, PHOENIX													
Temperature:													
Monthly mean	51.2	55.1	60.7	67.0	75.0	84.5	89.8	88.5	82.7	70.6	59.7	52.0	69.7
Daily mean maximum	65.1	69.1	74.2	81.9	90.2	100.9	102.9	100.9	96.8	86.0	74.3	65.3	84.0
Daily mean minimum	38.7	43.1	46.7	52.5	59.6	68.8	76.7	75.4	68.5	55.7	45.2	38.5	55.8
Highest on record	84	92	95	103	114	118	118	113	112	105	96	80	118
Lowest on record	16	24	30	35	39	49	63	58	47	36	27	22	16
Precipitation:													
Total, inches	0.89	0.77	0.68	0.40	0.12	0.07	1.07	0.95	0.75	0.47	0.70	1.00	7.78
Days with 0.01 inch or more	4	4	4	2	1	1	5	6	3	2	3	4	39
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	75	79	82	87	92	94	82	84	89	89	83	77	84
Number of clear days	17	15	18	20	23	25	16	18	22	23	20	18	235
Hourly wind velocity, miles	4.0	4.5	5.0	5.3	5.4	5.1	5.1	4.6	4.4	4.2	3.9	3.9	4.6
ARKANSAS, LITTLE ROCK													
Temperature:													
Monthly mean	41.4	44.9	53.0	62.1	70.3	77.4	80.9	79.8	74.1	63.6	52.1	44.2	62.0
Daily mean maximum	50.0	53.6	62.5	72.0	79.0	86.8	90.0	89.1	83.8	73.5	61.5	52.2	71.2
Daily mean minimum	33.7	36.2	44.1	53.0	60.7	68.7	71.9	70.8	65.2	53.9	43.2	36.1	53.1
Highest on record	78	87	90	94	96	102	108	105	104	93	84	78	108
Lowest on record	−8	−12	14	28	39	51	58	52	41	27	10	5	−12
Precipitation:													
Total, inches	4.73	3.84	4.62	5.19	4.78	3.76	3.50	3.75	3.17	2.71	4.19	4.14	48.38
Days with 0.01 inch or more	10	9	10	10	9	10	9	9	7	7	8	9	107
Total snowfall, inches	2.3	1.3	0.5	(1)	0	0	0	0	0	(1)	0.2	1.0	5.3
Percentage of possible sunshine	48	53	57	62	66	72	71	72	71	69	57	48	62
Number of clear days	11	9	11	11	11	11	11	14	14	17	13	11	144
Hourly wind velocity, miles	9.3	9.1	9.6	9.2	8.7	7.6	7.0	6.5	6.9	7.5	8.6	8.8	8.2
CALIFORNIA, FRESNO													
Temperature:													
Monthly mean	46.2	51.1	55.0	60.2	67.1	75.8	82.1	80.7	73.4	64.0	54.2	46.2	63.0
Daily mean maximum	54.3	61.4	66.0	73.6	81.3	91.2	99.0	97.3	88.9	78.2	66.4	54.7	76.0
Daily mean minimum	38.0	41.6	44.4	47.7	52.7	59.4	64.7	63.4	57.9	50.8	43.2	38.2	50.2
Highest on record	73	84	87	101	110	112	115	113	111	100	86	76	115
Lowest on record	17	24	28	34	38	42	50	51	42	36	27	23	17
Precipitation:													
Total, inches	1.73	1.43	1.58	0.95	0.44	0.08	0.01	0.01	0.21	0.57	0.93	1.45	9.39
Days with 0.01 inch or more	7	7	7	4	2	1	0	0	1	3	4	7	43
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	44	63	70	82	87	94	96	96	91	86	72	49	78
Number of clear days	9	12	14	18	22	26	28	29	25	23	17	10	233
Hourly wind velocity, miles	4.4	4.9	5.7	6.8	8.0	8.4	7.5	6.9	6.0	4.8	4.1	4.1	6.6

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
CALIFORNIA, LOS ANGELES													
Temperature:													
Monthly mean	54.6	55.5	57.5	59.4	62.2	66.4	70.2	71.1	69.0	65.3	60.9	56.6	62.4
Daily mean maximum	64.6	65.5	67.0	69.4	71.6	76.5	81.2	82.1	80.6	76.2	72.5	66.8	72.8
Daily mean minimum	45.5	46.6	48.2	50.2	53.0	56.4	59.5	60.4	58.4	54.5	50.5	47.2	52.5
Highest on record	90	92	99	100	103	105	109	106	108	102	96	89	109
Lowest on record	28	28	31	36	40	46	49	49	44	40	34	30	28
Precipitation:													
Total, inches	3.10	3.07	2.78	1.04	0.45	0.08	0.01	0.02	0.17	0.68	1.20	2.63	15.23
Days with 0.01 inch or more	6	6	7	4	2	1	0	0	1	2	3	6	38
Total snowfall, inches	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)	(1)
Percentage of possible sunshine	68	68	67	68	63	70	77	79	77	76	78	73	72
Number of clear days	15	12	12	12	11	13	16	18	17	18	18	17	179
Hourly wind velocity, miles	5.2	5.4	5.5	5.4	5.2	5.2	5.0	4.6	4.6	4.6	4.8	5.1	5.0
CALIFORNIA, SAN DIEGO													
Temperature:													
Monthly mean	54.3	55.1	56.7	58.5	60.8	63.9	67.2	68.7	67.1	63.7	59.7	56.0	61.0
Daily mean maximum	62.5	62.9	63.9	65.2	66.2	69.3	72.4	74.0	73.1	70.5	68.2	64.4	67.7
Daily mean minimum	46.6	48.0	49.9	52.6	55.8	58.9	62.5	63.8	61.4	56.8	51.7	48.2	54.7
Highest on record	85	89	99	96	98	96	100	93	110	96	93	84	110
Lowest on record	25	34	36	39	45	50	54	54	50	44	36	32	25
Precipitation:													
Total, inches	2.06	2.03	1.72	0.77	0.35	0.05	0.03	0.04	0.08	0.54	0.76	1.87	10.30
Days with 0.01 inch or more	6	7	7	4	3	1	1	1	1	3	4	6	44
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	67	67	67	68	59	62	68	72	73	72	77	73	69
Number of clear days	15	13	14	14	12	14	17	18	18	18	18	17	188
Hourly wind velocity, miles	5.3	5.9	6.3	6.5	6.5	6.2	6.0	5.9	5.8	5.5	5.2	5.2	5.9
CALIFORNIA, SAN FRANCISCO													
Temperature:													
Monthly mean	49.9	52.2	54.2	55.0	56.8	58.5	58.5	59.1	60.9	60.5	56.3	51.3	56.1
Daily mean maximum	55.0	58.4	60.5	62.1	63.2	63.9	65.1	65.1	68.2	67.5	62.5	56.1	62.3
Daily mean minimum	44.7	47.0	48.0	49.2	50.5	52.1	52.8	53.3	54.6	53.5	50.5	45.9	50.2
Highest on record	78	80	86	89	97	100	99	92	101	96	83	74	101
Lowest on record	29	33	33	40	42	46	47	46	47	45	38	34	29
Precipitation:													
Total, inches	4.54	3.85	3.14	1.61	0.80	0.18	0.02	0.01	0.45	1.12	2.35	3.95	22.02
Days with 0.01 inch or more	11	11	8	6	4	2	5	4	2	4	7	11	75
Total snowfall, inches	(1)	(1)	(1)	0	0	0	0	0	0	0	0	(1)	(1)
Percentage of possible sunshine	52	58	62	70	70	75	69	63	70	70	62	55	66
Number of clear days	11	11	13	14	15	17	15	13	16	17	14	12	168
Hourly wind velocity, miles	7.0	7.3	8.5	9.8	10.9	11.9	12.4	11.6	9.5	7.4	6.5	6.7	9.1
COLORADO, DENVER													
Temperature:													
Monthly mean	29.8	32.7	39.3	47.1	56.2	66.3	72.2	70.7	62.9	51.2	39.8	32.3	50.0
Daily mean maximum	42.7	44.6	51.3	59.6	68.8	80.1	85.3	84.2	76.5	64.4	52.4	44.1	62.8
Daily mean minimum	17.9	20.7	26.9	35.2	44.1	53.0	58.9	57.7	48.8	37.8	27.4	19.8	37.4
Highest on record	76	77	82	86	92	99	102	105	97	90	79	74	105
Lowest on record	−29	−22	−11	4	19	32	42	40	21	−2	−18	−25	−29
Precipitation:													
Total, inches	0.40	0.53	1.04	2.06	2.21	1.38	1.68	1.43	0.99	1.05	0.55	0.73	14.05
Days with 0.01 inch or more	4	6	8	9	10	7	9	9	6	6	5	5	84
Total snowfall, inches	4.8	7.6	10.7	9.4	2.2	(1)	0	0	0.5	4.6	6.6	9.3	55.7
Percentage of possible sunshine	67	66	63	63	61	69	67	67	70	70	66	65	66
Number of clear days	15	12	11	9	9	12	11	11	15	15	15	15	150
Hourly wind velocity, miles	7.6	7.6	8.2	8.3	7.7	7.3	6.8	6.5	6.6	7.0	7.2	7.2	7.3
CONNECTICUT, HARTFORD													
Temperature:													
Monthly mean	27.7	27.2	37.2	47.6	58.5	67.2	72.8	70.3	63.9	55.4	43.6	32.1	50.3
Daily mean maximum	35.4	35.2	45.7	57.0	68.4	74.3	82.3	79.7	73.5	65.4	51.5	39.3	59.0
Daily mean minimum	20.1	19.2	28.7	38.2	48.8	57.3	63.2	60.8	54.3	45.4	35.6	25.0	41.4
Highest on record	67	69	82	90	94	98	101	100	95	91	77	67	101
Lowest on record	−12	−14	4	11	32	40	48	43	32	25	6	−18	−18
Precipitation:													
Total, inches	3.94	3.83	3.90	3.36	3.60	3.08	4.37	4.29	3.49	3.52	3.55	3.97	44.90
Days with 0.01 inch or more	11	10	11	12	12	11	11	10	9	9	10	10	126
Total snowfall, inches	9.8	12.1	5.7	1.6	(1)	0	0	0	0	(1)	0.9	7.0	37.1
Percentage of possible sunshine	44	53	55	52	54	56	56	55	54	52	46	43	52
Number of clear days	9	10	11	9	10	10	9	10	11	12	8	9	118
Hourly wind velocity, miles	8.0	8.1	8.7	8.7	7.9	7.1	6.9	6.4	6.2	6.6	7.7	7.5	7.5

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
DELAWARE, WILMINGTON													
Temperature:													
Monthly mean	32.6	32.7	42.6	52.6	63.1	71.4	76.3	74.0	68.0	56.9	45.4	35.0	54.2
Daily mean maximum [2]	40.0	40.4	51.8	62.9	73.7	81.8	85.8	83.3	77.4	66.1	53.3	42.1	63.2
Daily mean minimum [2]	25.0	24.9	33.1	42.3	52.5	61.1	66.8	64.8	58.8	47.7	37.5	27.8	45.2
Highest on record	70	78	80	97	98	102	106	107	98	90	78	70	107
Lowest on record	−10	−12	6	11	31	42	49	47	33	25	11	−7	−12
Precipitation:													
Total, inches	3.40	3.35	3.38	3.48	3.55	3.82	5.07	4.63	3.57	3.12	2.87	3.62	43.86
Days with 0.01 inch or more [2]	9	8	10	9	9	9	9	9	7	6	7	9	101
Total snowfall, inches [2]	6.6	6.4	3.3	1.1	0	0	0	0	0	0.1	0.4	4.3	22.2
D. C., WASHINGTON													
Temperature:													
Monthly mean	33.4	35.3	42.6	53.3	63.7	72.2	76.8	75.0	68.1	57.4	45.2	36.6	55.0
Daily mean maximum	41.8	43.6	52.2	63.5	74.4	82.2	86.4	83.9	78.2	67.0	54.4	44.3	64.3
Daily mean minimum	26.1	27.2	34.3	43.5	53.9	62.8	67.6	65.6	59.1	47.3	37.1	29.2	46.1
Highest on record	76	84	93	95	97	102	106	106	104	93	83	74	106
Lowest on record	−14	−15	4	15	33	43	52	49	36	26	11	−13	−15
Precipitation:													
Total, inches	3.55	3.27	3.75	3.27	3.70	4.13	4.71	4.01	3.24	2.84	2.37	3.32	42.16
Days with 0.01 inch or more	11	10	12	11	12	12	12	11	8	8	9	10	126
Total snowfall, inches	6.6	6.0	3.9	0.5	(1)	0	0	0	0	0.1	0.8	3.1	20.9
Percentage of possible sunshine	47	54	56	58	61	63	64	61	62	62	53	48	57
Number of clear days	9	9	10	11	11	11	11	11	12	14	10	10	129
Hourly wind velocity, miles	7.0	7.7	8.5	8.0	6.4	5.6	5.2	4.8	5.1	5.7	6.5	6.7	6.4
FLORIDA, JACKSONVILLE													
Temperature:													
Monthly mean	55.4	58.0	62.6	68.7	75.0	79.9	82.1	81.7	78.3	71.1	62.2	56.3	69.3
Daily mean maximum	64.4	66.6	72.0	77.4	83.3	87.9	89.8	89.3	85.5	78.2	70.8	65.0	77.5
Daily mean minimum	47.1	49.1	54.2	59.8	66.3	71.9	73.8	73.7	71.4	63.4	54.1	47.7	61.0
Highest on record	83	86	91	92	98	101	104	101	99	95	86	83	104
Lowest on record	15	10	26	34	46	54	66	64	49	37	26	14	10
Precipitation:													
Total, inches	2.80	2.97	2.91	2.38	4.02	5.33	6.71	5.81	7.35	4.46	1.98	3.02	49.74
Days with 0.01 inch or more	9	8	8	7	9	13	15	15	13	10	7	8	122
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	56	59	67	73	71	63	63	64	61	58	62	53	62
Number of clear days	11	10	13	13	12	8	8	8	10	12	12	11	128
Hourly wind velocity, miles	8.7	9.2	9.5	9.4	8.7	8.3	8.1	7.7	8.1	8.8	8.4	8.4	8.6
FLORIDA, MIAMI													
Temperature:													
Monthly mean	68.0	67.8	70.1	73.6	76.8	80.0	81.4	81.9	80.7	77.7	73.6	69.2	75.1
Daily mean maximum	74.1	74.7	76.6	79.5	82.5	85.4	87.0	87.4	86.0	82.8	77.6	75.4	80.8
Daily mean minimum	61.9	61.0	63.7	67.7	71.1	74.5	75.9	76.4	75.4	72.6	66.6	63.0	69.2
Highest on record	85	88	92	93	94	94	96	96	95	93	88	91	96
Lowest on record	29	27	34	45	50	61	66	67	62	52	36	32	27
Precipitation:													
Total, inches	2.52	1.83	2.17	3.09	6.22	6.86	5.42	6.17	8.34	8.44	2.91	1.69	55.66
Days with 0.01 inch or more	9	6	7	8	12	12	15	15	18	16	10	7	135
Total, snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	64	72	74	73	68	62	67	69	64	63	64	66	67
Number of clear days	10	11	12	10	7	5	5	6	6	7	8	10	97
Hourly wind velocity, miles	9.0	8.9	9.5	9.5	8.7	7.4	7.0	7.4	8.0	8.9	10.3	8.6	8.6
FLORIDA, TAMPA													
Temperature:													
Monthly mean	60.4	61.9	66.8	70.9	76.3	80.2	81.2	81.5	79.9	74.3	66.9	61.1	71.8
Daily mean maximum	69.6	71.1	76.0	80.3	85.4	88.6	89.3	89.5	88.2	82.4	75.9	70.6	80.6
Daily mean minimum	52.0	53.4	57.8	61.9	67.5	71.9	73.6	73.8	72.2	66.2	58.2	53.1	63.5
Highest on record	83	86	92	91	94	98	96	97	96	93	88	86	98
Lowest on record	23	22	32	38	52	59	65	66	54	43	32	19	19
Precipitation:													
Total, inches	2.69	2.56	2.43	2.01	2.99	7.25	7.95	8.18	6.42	3.09	1.72	2.07	49.36
Days with 0.01 inch or more	7	7	6	5	7	14	17	17	15	8	5	7	115
Total snowfall, inches	0	0	0	0	0	0	0	0	0	0	0	0	0
Percentage of possible sunshine	59	65	70	74	73	66	63	65	65	65	66	59	66
Number of clear days	11	11	14	13	11	7	5	5	7	12	13	12	121
Hourly wind velocity, miles	6.8	7.2	7.4	7.3	6.8	6.1	5.6	5.4	6.3	7.2	6.9	6.6	6.6

[1] Trace. [2] Data through 1930 only.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
GEORGIA, ATLANTA													
Temperature:													
Monthly mean	42.6	45.3	52.0	61.0	69.9	76.0	78.1	77.0	72.4	63.0	52.1	44.7	61.2
Daily mean maximum	51.0	53.9	61.6	70.3	78.5	85.1	86.9	85.7	81.6	71.3	60.5	52.3	69.9
Daily mean minimum	35.3	37.2	43.6	51.6	60.0	67.1	69.6	68.9	64.7	53.9	43.8	36.9	52.7
Highest on record	76	78	87	93	97	101	103	100	102	94	82	74	103
Lowest on record	−2	−8	8	25	38	39	58	55	43	28	14	1	−8
Precipitation:													
Total, inches	4.95	4.79	5.30	3.61	3.47	3.74	4.65	4.45	2.99	2.59	3.03	4.70	48.27
Days with 0.01 inch or more	12	11	11	10	10	11	13	12	8	7	8	11	124
Total snowfall, inches	1.0	0.9	0.2	0.1	0	0	0	0	0	(1)	0.1	0.5	2.8
Percentage of possible sunshine	48	54	57	65	68	69	62	61	65	67	61	48	60
Number of clear days	10	9	12	12	11	10	8	9	13	16	13	10	133
Hourly wind velocity, miles	11.2	11.5	11.2	10.2	9.0	8.2	7.9	7.5	8.3	9.4	10.3	10.7	9.6
IDAHO, BOISE													
Temperature:													
Monthly mean	29.8	34.8	42.7	50.4	57.1	65.3	72.9	71.8	61.9	51.1	41.0	32.1	50.9
Daily mean maximum	37.1	43.3	52.8	62.4	70.4	79.5	89.5	87.9	76.2	63.8	50.0	39.6	62.7
Daily mean minimum	21.6	26.7	32.8	38.4	44.8	51.1	57.6	56.3	47.2	39.0	31.0	24.4	39.2
Highest on record	62	69	83	92	100	107	113	121	103	95	85	67	121
Lowest on record	−28	−12	−5	17	25	30	40	32	23	14	−10	−18	−28
Precipitation:													
Total, inches	1.73	1.44	1.35	1.18	1.43	0.92	0.24	0.19	0.53	1.24	1.28	1.57	13.10
Days with 0.01 inch or more	13	11	10	8	7	6	2	2	4	6	9	11	89
Total snowfall, inches	8.1	5.1	3.0	0.8	(1)	(1)	0	0	0	0.1	1.5	5.8	24.4
Percentage of possible sunshine	37	51	59	67	72	79	87	86	78	68	50	41	65
Number of clear days	5	6	8	9	11	14	21	21	18	14	9	6	142
Hourly wind velocity, miles	4.6	5.1	5.9	6.1	5.9	5.2	4.8	4.5	4.4	4.2	4.4	4.3	5.0
ILLINOIS, CHICAGO													
Temperature:													
Monthly mean	23.7	26.3	35.3	46.9	57.5	67.3	72.5	71.6	65.2	54.0	40.1	28.8	49.1
Daily mean maximum	30.5	33.1	43.0	54.7	65.4	75.4	80.3	79.1	73.2	61.5	46.8	35.2	56.5
Daily mean minimum	17.3	19.6	28.7	39.5	49.0	59.0	64.8	64.0	57.1	45.9	33.3	22.6	41.7
Highest on record	65	68	81	90	94	99	103	102	98	87	75	68	103
Lowest on record	−20	−21	−12	17	27	40	50	47	32	14	−2	−23	−23
Precipitation:													
Total, inches	1.90	2.14	2.58	2.78	3.54	3.30	3.33	3.21	3.14	2.53	2.37	2.04	32.86
Days with 0.01 inch or more	11	10	12	11	12	11	9	9	9	9	10	11	124
Total snowfall, inches	9.4	8.7	6.0	0.9	(1)	0	0	0	0	0.1	1.7	6.5	33.3
Percentage of possible sunshine	45	50	54	59	64	70	73	69	64	59	47	40	58
Number of clear days	8	8	8	9	10	10	13	13	12	12	8	7	118
Hourly wind velocity, miles	11.8	11.4	12.8	12.1	10.2	9.5	8.6	8.6	9.1	9.9	11.4	11.2	10.6
INDIANA, INDIANAPOLIS													
Temperature:													
Monthly mean	28.4	31.1	40.0	52.1	62.9	71.6	75.7	73.7	66.9	55.7	42.3	32.2	52.7
Daily mean maximum	35.9	38.0	48.7	60.1	72.1	81.1	85.3	83.3	76.8	64.6	49.9	39.1	61.3
Daily mean minimum	21.2	22.9	32.2	42.5	53.4	62.6	66.6	64.4	57.7	46.4	34.7	25.5	44.2
Highest on record	70	72	84	90	96	100	106	103	98	89	76	68	106
Lowest on record	−25	−18	0	19	31	39	48	44	30	22	−5	−15	−25
Precipitation:													
Total, inches	2.95	2.73	3.93	3.62	3.89	3.62	3.34	3.31	3.40	2.78	3.35	2.98	39.90
Days with 0.01 inch or more	13	11	13	12	13	11	10	9	9	9	11	12	133
Total snowfall, inches	6.6	4.9	3.8	0.8	0.1	0	0	0	0	0.1	1.2	4.7	22.2
Percentage of possible sunshine	43	47	48	55	60	66	72	67	67	61	50	40	56
Number of clear days	6	6	6	8	8	8	10	11	12	12	8	6	101
Hourly wind velocity, miles	11.2	11.3	11.9	11.2	9.9	8.8	8.0	7.9	8.5	9.2	10.8	10.5	9.9
IOWA, DES MOINES													
Temperature:													
Monthly mean	20.1	23.7	35.9	50.1	61.3	70.6	75.4	73.1	65.6	53.4	38.4	26.0	49.5
Daily mean maximum	29.6	33.5	46.0	60.7	71.4	80.3	85.9	83.7	75.7	63.8	47.7	34.2	59.4
Daily mean minimum	11.7	15.4	27.4	40.5	51.0	60.8	65.2	63.0	55.1	43.4	29.6	18.0	40.1
Highest on record	65	78	88	92	98	102	109	110	99	91	79	69	110
Lowest on record	−30	−26	−10	11	26	37	48	40	26	7	−10	−21	−30
Precipitation:													
Total, inches	1.07	1.12	1.78	2.91	4.56	4.76	3.50	3.52	3.67	2.50	1.43	1.22	32.04
Days with 0.01 inch or more	8	8	9	10	12	11	9	9	9	8	7	8	108
Total snowfall, inches	8.6	7.2	5.6	1.2	(1)	0	0	0	0	0.3	2.1	7.4	32.4
Percentage of possible sunshine	55	57	57	59	62	66	73	70	62	62	54	50	61
Number of clear days	10	9	8	8	8	8	12	13	12	13	10	9	120
Hourly wind velocity, miles	7.8	8.3	8.9	9.3	8.3	7.2	6.3	5.9	6.8	7.3	7.8	7.6	7.6

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
KANSAS, DODGE CITY													
Temperature:													
Monthly mean	29.0	33.2	42.8	53.6	63.5	72.5	78.4	77.7	69.4	56.1	42.6	32.6	54.3
Daily mean maximum	41.4	46.0	56.1	67.0	75.1	84.9	90.2	89.1	81.8	69.4	55.8	44.5	66.8
Daily mean minimum	17.5	21.0	29.0	40.9	50.9	60.8	65.7	64.5	56.3	43.2	29.6	20.8	41.7
Highest on record	79	84	98	95	101	107	108	105	103	94	86	79	108
Lowest on record	−20	−26	−10	13	19	36	46	43	30	10	−13	−15	−26
Precipitation:													
Total, inches	0.41	0.77	0.89	1.94	2.89	3.30	3.14	2.67	1.90	1.30	0.73	0.57	20.51
Days with 0.01 inch or more	4	5	6	7	10	9	9	8	5	5	4	4	76
Total snowfall, inches	3.3	5.4	4.4	0.9	(1)	0	0	0	0	0.3	1.5	3.2	19.0
Percentage of possible sunshine	67	67	67	67	67	73	76	78	76	74	70	67	71
Number of clear days	15	13	13	13	12	15	16	17	17	18	16	15	180
Hourly wind velocity, miles	11.1	11.7	12.4	13.7	12.7	11.8	10.6	10.2	11.3	11.2	11.1	10.7	11.5
KENTUCKY, LOUISVILLE													
Temperature:													
Monthly mean	34.4	37.2	45.4	56.4	66.6	74.7	78.6	77.0	70.5	59.3	46.7	37.6	57.0
Daily mean maximum	42.4	45.0	54.6	65.8	75.8	84.1	88.1	86.3	80.5	68.7	54.9	44.8	65.9
Daily mean minimum	26.8	28.7	36.9	46.7	56.4	65.2	69.0	67.3	60.9	49.1	38.3	29.4	47.9
Highest on record	74	78	88	91	98	101	107	105	102	91	79	74	107
Lowest on record	−20	−14	3	21	33	43	54	47	36	23	1	−7	−20
Precipitation:													
Total, inches	4.00	3.55	4.39	3.88	3.72	3.82	3.70	3.42	2.78	2.65	3.61	3.74	43.26
Days with 0.01 inch or more	12	10	12	12	11	11	10	9	8	8	10	11	124
Total snowfall, inches	4.5	3.9	2.2	0.2	(1)	0	0	0	0	0.1	0.4	2.9	14.2
Percentage of possible sunshine	43	49	52	58	63	69	72	70	68	66	52	40	58
Number of clear days	7	7	8	9	10	9	12	13	13	14	10	7	119
Hourly wind velocity, miles	9.7	10.4	10.7	9.9	8.4	7.6	6.9	6.5	7.0	7.7	9.1	9.4	8.6
LOUISIANA, NEW ORLEANS													
Temperature:													
Monthly mean	54.2	57.3	62.8	68.8	75.4	80.6	82.4	82.2	79.2	71.0	61.6	55.6	69.3
Daily mean maximum	62.3	64.9	71.0	76.7	82.9	88.0	89.3	89.3	86.1	78.2	69.7	63.1	76.8
Daily mean minimum	47.0	49.4	55.3	61.3	67.7	73.7	75.4	75.5	72.8	63.9	54.4	48.1	62.0
Highest on record	82	83	90	90	96	102	102	100	99	94	89	84	102
Lowest on record	15	7	30	38	52	58	66	63	54	40	29	19	7
Precipitation:													
Total, inches	4.34	4.25	4.72	5.24	4.60	5.88	6.37	5.80	5.03	3.30	3.14	4.79	57.46
Days with 0.01 inch or more	10	12	9	7	8	13	15	14	10	7	7	10	122
Total snowfall, inches	0.1	0.2	(1)	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	49	50	57	63	66	62	56	56	63	67	58	45	58
Number of clear days	10	9	11	11	12	9	7	8	12	16	13	9	127
Hourly wind velocity, miles	8.3	8.7	8.7	8.4	7.2	6.3	5.9	5.8	7.0	7.4	7.9	8.2	7.5
MAINE, PORTLAND													
Temperature:													
Monthly mean	22.4	23.8	31.8	43.0	53.3	62.5	68.1	66.4	59.6	49.9	38.0	27.6	45.5
Daily mean maximum	30.0	31.3	39.3	50.3	61.1	70.6	76.0	73.7	67.2	57.0	45.0	34.4	53.0
Daily mean minimum	14.8	15.7	25.1	35.3	45.4	54.0	60.0	58.5	52.0	42.2	31.2	20.8	37.9
Highest on record	65	58	79	89	94	96	103	98	96	85	74	65	103
Lowest on record	−18	−17	−7	9	27	38	48	45	32	22	−6	−21	−21
Precipitation:													
Total, inches	3.97	4.00	3.86	3.38	3.40	3.28	3.24	3.14	3.10	3.14	3.46	3.97	41.94
Days with 0.01 inch or more	12	11	12	11	12	11	11	11	10	10	11	11	133
Total snowfall, inches	17.0	20.6	12.1	(1)	0	0	0	0	0	(1)	4.6	12.3	66.6
Percentage of possible sunshine	53	59	59	57	57	61	64	63	61	56	48	51	57
Number of clear days	10	10	11	10	9	10	10	11	12	11	10	10	124
Hourly wind velocity, miles	8.7	9.1	9.5	9.1	8.5	7.7	7.3	6.9	7.5	8.2	8.8	8.7	8.3
MARYLAND, BALTIMORE													
Temperature:													
Monthly mean	33.8	35.4	42.3	53.6	64.4	72.7	77.2	75.5	68.5	58.2	46.3	37.2	55.4
Daily mean maximum	41.2	42.6	51.0	62.1	73.2	81.6	85.9	83.3	77.4	66.3	54.0	43.9	63.5
Daily mean minimum	27.4	28.3	35.0	44.7	55.3	64.1	69.2	67.1	61.0	49.5	39.2	30.7	47.6
Highest on record	74	83	88	94	98	101	104	105	101	92	82	73	105
Lowest on record	−6	−7	5	15	34	46	55	51	39	30	12	−3	−7
Precipitation:													
Total, inches	3.50	3.39	3.71	3.34	3.54	3.88	4.64	4.37	3.37	2.89	2.56	3.37	42.56
Days with 0.01 inch or more	11	11	12	11	11	11	11	11	8	8	9	11	125
Total snowfall, inches	6.6	6.4	4.6	0.9	(1)	0	0	0	0	0.1	0.6	3.7	22.9
Percentage of possible sunshine	48	56	58	59	60	63	65	62	65	63	54	49	58
Number of clear days	9	9	10	9	10	9	10	10	12	13	10	9	120
Hourly wind velocity, miles	6.7	7.2	7.7	7.6	6.7	6.3	6.0	5.7	5.8	6.2	6.4	6.5	6.6

1 Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MASSACHUSETTS, BOSTON													
Temperature:													
Monthly mean	27.9	28.8	35.6	46.4	57.1	66.5	71.7	69.9	63.2	53.6	42.0	32.5	49.6
Daily mean maximum	36.1	36.3	44.0	54.5	65.7	75.3	80.5	77.8	71.6	61.4	49.7	39.3	57.7
Daily mean minimum	20.4	20.6	28.5	38.3	48.7	57.8	63.7	62.0	55.6	45.5	35.2	25.0	41.8
Highest on record	70	68	83	89	97	100	104	98	102	90	78	69	104
Lowest on record	−13	−11	−8	11	31	42	46	47	34	25	−2	−14	−14
Precipitation:													
Total, inches	3.61	3.37	3.57	3.34	3.18	2.89	3.49	3.62	3.14	3.15	3.33	3.45	40.14
Days with 0.01 inch or more	12	10	12	11	11	10	10	10	9	9	10	11	125
Total snowfall, inches	11.7	12.6	7.6	2.3	(1)	0	0	0	0	(1)	1.6	8.1	43.9
Percentage of possible sunshine	49	58	57	58	59	63	64	63	62	56	48	48	57
Number of clear days	9	10	10	10	9	9	9	11	12	11	10	9	119
Hourly wind velocity, miles	11.2	11.8	12.0	11.2	10.0	9.4	8.8	8.3	9.0	10.0	11.0	11.5	10.4
MICHIGAN, DETROIT													
Temperature:													
Monthly mean	24.4	25.3	33.4	46.2	58.0	67.4	72.1	70.3	63.5	52.5	39.3	29.3	48.5
Daily mean maximum	31.0	32.0	41.5	54.9	66.9	76.3	81.5	79.0	72.3	60.0	45.7	35.0	56.3
Daily mean minimum	18.2	18.4	26.5	37.5	48.5	58.4	63.6	61.6	55.5	44.6	33.3	23.6	40.8
Highest on record	66	65	81	88	95	98	101	104	97	88	71	65	104
Lowest on record	−16	−20	−7	8	28	38	48	45	30	22	0	−24	−24
Precipitation:													
Total, inches	2.07	2.18	2.40	2.46	3.21	3.56	3.32	2.78	2.90	2.38	2.44	2.35	32.05
Days with 0.01 inch or more	13	12	13	11	13	11	9	9	10	10	12	14	137
Total snowfall, inches	9.6	8.3	6.2	2.1	0.2	0	0	0	0	0.3	3.8	8.2	38.7
Percentage of possible sunshine	36	41	48	51	58	64	68	66	41	53	36	29	49
Number of clear days	5	6	7	8	9	10	12	12	11	10	6	4	100
Hourly wind velocity, miles	12.2	12.1	12.2	11.9	10.5	9.4	9.0	8.6	9.6	10.5	12.1	12.4	10.9
MINNESOTA, ST. PAUL													
Temperature:													
Monthly mean	12.6	15.8	29.1	45.6	57.9	67.1	72.1	69.4	61.3	48.6	32.5	19.0	44.2
Daily mean, maximum	20.7	24.9	37.8	55.5	67.5	76.6	81.9	79.5	70.5	57.3	39.7	26.8	53.2
Daily mean, minimum	3.3	7.2	20.7	36.3	47.5	57.6	62.1	59.6	51.3	39.8	24.6	11.8	35.2
Highest on record	51	61	83	87	97	101	104	100	101	88	74	58	104
Lowest on record	−41	−33	−22	6	23	36	45	40	28	8	−24	−39	−41
Precipitation:													
Total, inches	0.92	0.92	1.43	2.35	3.27	4.14	3.57	3.01	3.07	2.20	1.30	1.06	27.24
Days with 0.01 inch or more	9	8	9	10	12	12	10	9	10	8	8	8	113
Total snowfall, inches	9.2	7.0	8.2	3.8	0.2	0	0	0	(1)	0.6	4.6	7.1	40.7
Percentage of possible sunshine	50	55	55	59	59	63	71	66	58	53	44	41	56
Number of clear days	9	9	9	9	9	9	12	12	11	10	7	8	114
Hourly wind velocity, miles	9.4	9.7	10.4	10.7	9.9	8.8	8.0	7.9	9.1	9.6	9.7	9.3	9.4
MISSISSIPPI, VICKSBURG													
Temperature:													
Monthly mean	48.2	51.8	58.5	65.6	72.9	79.0	81.3	80.8	76.3	66.7	56.6	50.0	65.6
Daily mean, maximum	56.8	60.2	67.6	74.9	81.8	88.3	90.1	89.8	86.0	76.5	66.3	58.5	74.7
Daily mean, minimum	40.2	42.8	49.4	56.4	63.3	70.1	72.5	71.9	67.2	56.9	47.4	41.8	56.7
Highest on record	82	84	88	92	97	101	102	101	104	94	86	82	104
Lowest on record	3	−1	24	31	43	52	59	54	42	31	22	10	−1
Precipitation:													
Total, inches	5.37	4.82	5.57	5.19	4.32	3.99	4.53	3.46	2.87	2.77	3.71	5.33	51.93
Days with 0.01 inch or more	11	10	10	9	8	10	11	9	7	6	8	10	109
Total snowfall, inches	0.7	0.5	0.1	0	0	0	0	0	0	0	0	0.3	1.6
Percentage of possible sunshine	47	52	59	66	71	74	70	71	75	71	61	45	64
Number of clear days	9	9	11	11	12	12	10	11	14	17	13	10	139
Hourly wind velocity, miles	7.5	7.8	8.1	7.5	6.2	5.4	5.2	4.9	5.3	5.7	6.6	7.1	6.4
MISSOURI, ST. LOUIS													
Temperature:													
Monthly mean	30.8	34.5	43.8	55.8	66.9	74.8	78.6	77.3	70.1	58.3	45.1	34.7	55.9
Daily mean, maximum	38.7	43.0	52.9	65.1	75.9	83.6	87.4	86.4	79.5	67.5	53.5	42.5	64.7
Daily mean, minimum	23.4	26.6	35.3	47.0	58.2	66.4	70.2	68.6	61.5	50.1	37.3	27.3	47.7
Highest on record	74	84	92	93	94	102	108	106	103	91	82	75	108
Lowest on record	−22	−18	3	22	32	44	55	52	37	21	3	−15	−22
Precipitation.													
Total, inches	2.34	2.56	3.38	3.81	4.34	3.82	2.98	2.99	3.46	2.72	2.83	2.21	37.44
Days with 0.01 inch or more	9	9	11	11	11	11	9	8	8	8	8	9	112
Total snowfall, inches	4.9	5.6	3.8	0.6	0.1	0	0	0	0	(1)	0.8	3.2	19.0
Percentage of possible sunshine	49	50	55	58	64	67	70	68	66	64	55	46	59
Number of clear days	11	9	10	11	11	10	13	14	14	15	11	10	139
Hourly wind velocity, miles	11.1	11.2	11.9	11.5	9.9	9.0	8.7	8.4	9.3	9.4	10.9	10.8	10.2

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
MONTANA, HELENA													
Temperature:													
Monthly mean	20.2	23.0	32.4	43.5	51.6	59.2	65.7	65.0	56.6	44.9	33.2	24.2	43.3
Daily mean maximum	28.6	32.4	41.9	54.1	62.3	71.2	80.4	79.2	67.1	55.3	41.3	32.4	53.8
Daily mean minimum	12.3	15.2	23.4	33.3	41.0	48.3	54.2	53.1	44.1	35.4	24.3	17.0	33.5
Highest on record	63	65	73	86	95	102	103	99	92	84	71	64	103
Lowest on record	−42	−41	−20	3	22	31	36	29	6	−1	−22	−40	−42
Precipitation:													
Total, inches	0.87	0.65	0.79	1.12	2.29	2.34	1.14	0.77	1.25	0.89	0.74	0.78	13.63
Days with 0.01 inch or more	10	8	9	9	11	12	8	6	7	6	7	8	101
Total snowfall, inches	10.5	8.1	9.0	6.1	2.2	(1)	(1)	(1)	0.9	4.2	7.1	8.8	56.9
Percentage of possible sunshine	44	52	58	61	57	63	75	72	60	56	47	43	57
Number of clear days	6	6	7	7	7	8	15	15	12	10	8	6	107
Hourly wind velocity, miles	6.5	6.8	7.7	8.1	8.0	7.8	7.4	6.9	7.1	7.0	6.6	6.4	7.2
NEBRASKA, OMAHA													
Temperature:													
Monthly mean	21.9	25.5	37.0	51.2	62.4	71.6	76.7	74.4	66.8	54.3	38.5	26.4	50.6
Daily mean maximum	30.6	35.1	46.9	61.5	71.9	81.3	86.5	84.3	76.3	64.4	48.1	35.3	60.2
Daily mean minimum	13.3	17.0	28.0	41.6	52.6	62.3	67.2	65.2	56.6	44.6	30.3	19.3	41.5
Highest on record	67	78	91	94	99	105	109	111	102	92	80	71	111
Lowest on record	−32	−26	−8	6	25	42	50	44	30	8	−14	−20	−32
Precipitation:													
Total, inches	0.70	0.89	1.37	2.51	3.77	4.56	3.54	3.05	3.21	2.17	1.07	0.93	27.77
Days with 0.01 inch or more	7	6	7	10	12	11	9	9	9	7	5	7	99
Total snowfall, inches	5.7	6.2	5.6	0.7	(1)	0	0	0	0	0.5	2.4	5.3	26.4
Percentage of possible sunshine	57	59	58	60	63	69	75	70	64	63	55	51	62
Number of clear days	11	10	9	9	9	10	14	13	14	14	11	10	134
Hourly wind velocity, miles	9.0	9.5	10.1	10.1	9.0	7.8	6.8	6.6	7.6	8.2	8.8	8.6	8.5
NEVADA, RENO													
Temperature:													
Monthly mean	31.7	36.3	41.2	47.5	54.4	62.5	70.3	68.8	60.5	50.9	41.5	33.3	49.9
Daily mean maximum	42.5	47.8	53.6	61.3	68.3	78.2	87.7	86.2	76.9	66.3	55.0	44.3	64.0
Daily mean minimum	20.8	24.9	28.8	33.9	40.4	46.7	52.9	51.6	44.1	34.6	28.0	22.3	35.8
Highest on record	67	76	79	88	98	100	106	102	96	87	80	69	106
Lowest on record	−19	−12	−3	14	16	28	35	35	24	16	5	−7	−19
Precipitation:													
Total, inches	1.54	1.18	0.81	0.47	0.63	0.29	0.25	0.22	0.26	0.36	0.64	0.98	7.63
Days with 0.01 inch or more	7	6	6	4	4	2	2	2	3	3	4	7	50
Total snowfall, inches	9.8	6.3	5.7	1.4	0.7	0	0	0	(1)	0.4	1.3	5.1	30.7
Percentage of possible sunshine	57	64	70	75	80	83	88	87	83	76	67	58	74
Number of clear days	12	11	12	14	15	21	24	24	21	20	14	12	200
Hourly wind velocity, miles	5.3	5.8	7.0	8.0	7.7	7.4	6.9	6.5	6.1	5.3	5.3	4.9	6.4
NEW HAMPSHIRE, CONCORD													
Temperature:													
Monthly mean	21.6	22.8	30.8	43.4	54.3	62.9	68.5	66.8	59.3	49.7	37.7	26.8	45.4
Daily mean maximum	31.2	33.0	41.9	55.1	67.8	75.8	78.7	78.0	71.0	60.1	46.5	34.7	56.2
Daily mean minimum	11.3	12.3	22.2	36.1	44.2	53.2	56.7	56.2	48.9	38.5	28.4	17.0	35.4
Highest on record	62	66	82	86	98	101	102	99	94	88	75	65	102
Lowest on record	−23	−23	−9	8	26	32	42	38	26	18	4	−20	−23
Precipitation:													
Total, inches	3.00	2.89	3.03	2.78	3.01	3.19	3.56	3.54	3.45	2.85	3.08	3.13	37.51
Days with 0.01 inch or more	10	9	10	10	11	10	10	11	9	9	10	10	119
Total snowfall, inches	17.4	17.9	12.0	4.6	(1)	0	0	0	(1)	0.1	5.5	12.7	70.2
Percentage of possible sunshine	49	55	59	54	54	58	57	57	54	50	44	44	53
Number of clear days	12	12	15	11	12	12	12	13	13	12	9	10	143
Hourly wind velocity, miles	5.5	5.7	6.5	6.4	5.5	4.9	4.2	4.0	4.1	4.8	5.4	5.2	5.2
NEW JERSEY, ATLANTIC CITY													
Temperature:													
Monthly mean	32.5	33.6	38.6	47.8	58.1	66.6	72.1	72.5	66.8	56.9	45.6	36.4	52.3
Daily mean maximum	40.2	40.1	46.0	54.7	64.5	73.3	78.5	77.9	73.4	63.7	52.8	43.5	59.0
Daily mean minimum	26.3	26.4	32.7	41.2	51.5	60.8	66.5	66.5	61.3	50.0	39.0	29.7	46.0
Highest on record	68	77	79	86	95	97	102	104	94	90	77	68	104
Lowest on record	−4	−7	8	15	33	45	52	48	37	29	10	−7	−7
Precipitation:													
Total, inches	3.49	3.36	3.60	2.99	3.05	3.04	3.93	4.49	2.65	3.20	2.82	3.94	40.56
Days with 0.01 inch or more	12	11	12	11	11	10	10	10	8	9	9	10	123
Total snowfall, inches	4.6	5.0	2.2	0.3	0	0	0	0	0	0	0.6	2.6	15.3
Percentage of possible sunshine	58	58	58	60	62	64	67	66	66	64	58	51	61
Number of clear days	9	9	10	10	10	10	11	11	12	13	11	10	126
Hourly wind velocity, miles	17.6	16.2	17.4	17.6	15.1	14.1	13.6	13.1	14.0	14.7	15.6	15.3	15.4

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
NEW MEXICO, SANTA FE													
Temperature:													
Monthly mean	28.8	33.1	39.7	46.7	55.7	64.8	69.0	67.4	60.9	50.4	38.9	30.7	48.8
Daily mean maximum	39.5	43.4	50.9	59.1	68.1	78.1	80.4	79.0	72.9	62.0	49.9	40.4	60.3
Daily mean minimum	19.1	22.7	28.2	35.0	43.2	52.3	57.0	55.9	49.2	38.6	28.2	20.2	37.5
Highest on record	76	75	82	84	89	92	96	97	90	85	77	65	97
Lowest on record	−13	−11	−2	11	20	33	43	40	21	13	−11	−13	−13
Precipitation:													
Total, inches	0.67	0.75	0.80	10.0	1.26	1.08	2.38	2.28	1.45	1.18	0.68	0.74	14.27
Days with 0.01 inch or more	6	6	7	6	7	6	13	13	8	5	4	6	87
Total snowfall, inches	5.7	6.4	5.3	3.3	0.3	(1)	0	0	(1)	1.0	3.6	6.3	31.9
Percentage of possible sunshine	72	70	71	73	74	80	68	71	77	79	76	72	74
Number of clear days	17	13	14	13	14	16	9	10	17	20	18	17	178
Hourly wind velocity, miles	7.1	7.4	8.1	8.5	8.2	7.4	6.5	6.0	6.1	6.6	6.8	6.8	7.1
NEW YORK, BUFFALO													
Temperature:													
Monthly mean	24.6	24.3	31.1	42.8	54.6	64.4	69.8	68.6	62.4	51.9	39.4	29.8	47.0
Daily mean maximum	31.2	30.8	38.8	50.1	61.7	70.1	76.5	75.5	69.9	58.3	45.5	35.3	53.6
Daily mean minimum	18.5	17.3	24.9	34.8	46.2	57.1	63.0	61.4	55.4	44.7	33.7	24.1	40.1
Highest on record	70	67	79	84	94	94	95	95	95	92	71	66	95
Lowest on record	−14	−13	−4	5	25	39	46	44	35	24	2	−9	−14
Precipitation:													
Total inches	3.30	2.95	2.57	2.56	3.10	2.82	3.03	3.08	2.92	3.29	3.02	3.36	36.00
Days with 0.01 inch or more	19	17	16	13	13	11	11	10	11	12	15	17	165
Total snowfall, inches	20.0	17.2	9.9	3.4	0.3	0	0	0	(1)	0.6	5.5	17.2	74.1
Percentage of possible sunshine	29	40	48	53	58	65	67	63	59	48	31	23	49
Number of clear days	2	3	5	7	8	9	9	9	9	7	2	1	71
Hourly wind velocity, miles	17.8	16.3	15.4	14.2	12.9	11.9	11.4	11.0	12.4	14.0	16.7	17.6	14.3
NEW YORK, NEW YORK													
Temperature:													
Monthly mean	30.9	31.3	37.7	49.4	60.6	68.8	73.8	73.1	66.8	56.3	44.2	35.0	52.3
Daily mean maximum	37.8	38.2	45.9	56.9	68.2	77.0	81.8	79.6	73.9	63.2	51.2	41.0	59.6
Daily mean minimum	24.1	24.0	31.1	41.0	51.7	61.0	66.6	65.5	59.6	48.8	37.9	28.3	45.0
Highest on record	67	73	80	91	95	97	99	102	100	88	74	68	102
Lowest on record	−6	−7	3	12	34	44	50	51	39	29	7	−13	−13
Precipitation:													
Total, inches	3.66	3.82	3.64	3.23	3.24	3.33	4.24	4.33	3.39	3.53	2.96	3.62	42.99
Days with 0.01 inch or more	12	10	12	11	11	11	12	10	9	9	9	11	127
Total snowfall, inches	8.1	10.0	6.5	1.2	(1)	0	0	0	0	(1)	0.8	6.1	32.7
Percentage of possible sunshine	52	59	60	60	61	64	64	63	64	62	54	51	60
Number of clear days	8	8	8	8	9	8	8	9	10	11	9	8	104
Hourly wind velocity, miles	17.7	17.6	18.0	16.3	14.0	13.4	12.3	12.2	13.5	14.0	16.9	17.0	15.2
NORTH CAROLINA, ASHEVILLE													
Temperature:													
Monthly mean	38.1	39.4	46.8	54.4	62.3	69.3	72.4	71.5	66.9	56.0	46.1	39.1	55.2
Daily mean maximum	47.5	49.0	56.9	65.3	73.0	79.6	82.2	81.1	77.0	67.1	56.5	48.2	65.3
Daily mean *minimum*	28.8	29.7	36.7	43.5	51.5	59.1	62.5	61.8	56.8	44.8	35.8	29.9	45.1
Highest on record	75	78	87	89	91	95	96	96	95	85	76	78	96
Lowest on record	−5	−6	8	20	31	40	48	47	35	20	4	−4	−6
Precipitation:													
Total, inches	3.10	3.15	3.97	3.02	3.43	3.93	4.30	4.16	3.04	2.75	2.23	3.20	40.28
Days with 0.01 inch or more	10	10	12	11	13	14	15	14	10	7	7	10	133
Total snowfall, inches	3.3	2.7	2.1	0.4	0	0	0	0	0	0.2	0.5	1.8	11.0
Percentage of possible sunshine	49	53	55	60	60	59	57	57	59	63	60	49	57
Number of clear days	10	9	11	11	10	8	7	7	10	16	14	11	124
Hourly wind velocity, miles	9.6	9.9	10.2	9.4	7.3	5.9	5.4	5.3	5.7	7.0	8.8	9.2	7.8
NORTH DAKOTA, BISMARCK													
Temperature:													
Monthly mean	7.8	10.3	24.2	42.1	54.5	63.7	69.8	67.3	58.1	44.9	28.5	14.7	40.5
Daily mean maximum	18.3	21.9	35.0	54.6	66.2	75.2	82.3	80.7	70.6	57.0	38.5	24.9	52.1
Daily mean minimum	−2.5	1.3	14.5	31.6	42.3	52.4	57.4	54.8	45.0	33.1	17.9	5.4	29.4
Highest on record	60	64	81	90	97	107	108	105	105	91	74	64	108
Lowest on record	−45	−43	−36	−3	13	31	32	32	10	−10	−28	−42	−45
Precipitation:													
Total, inches	0.45	0.44	0.89	1.52	2.32	3.35	2.24	1.82	1.23	0.94	0.57	0.57	16.34
Days with 0.01 inch or more	7	7	7	8	10	12	9	8	7	6	6	7	94
Total snowfall, inches	5.7	5.1	7.6	2.9	0.7	0	0	0	(1)	1.1	5.0	6.2	34.3
Percentage of possible sunshine	52	58	56	58	58	61	72	69	62	59	51	49	59
Number of clear days	11	11	11	12	12	12	16	17	15	13	11	11	152
Hourly wind velocity, miles	8.5	8.8	9.7	10.9	10.2	9.5	8.5	8.4	8.9	9.0	8.7	8.3	9.1

[1] Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
OHIO, COLUMBUS													
Temperature:													
Monthly mean	28.6	30.7	39.1	51.2	62.3	70.9	74.9	73.0	66.5	55.2	41.9	32.4	52.2
Daily mean maximum	36.4	38.2	48.5	60.7	71.9	80.5	85.0	82.5	76.8	64.4	49.8	39.2	61.2
Daily mean minimum	21.7	22.9	31.4	41.5	52.0	60.8	64.9	62.8	56.7	45.4	34.4	25.6	43.3
Highest on record	72	72	84	90	96	99	104	103	98	90	77	67	104
Lowest on record	−20	−20	0	15	31	39	49	42	32	20	−5	−12	−20
Precipitation:													
Total, inches	3.06	2.67	3.50	2.87	3.59	3.31	3.55	3.26	2.57	2.46	2.77	2.73	36.34
Days with 0.01 inch or more	14	12	14	12	12	12	11	10	9	9	11	13	139
Total snowfall, inches	7.9	5.8	3.4	1.1	(1)	0	0	0	0	0.1	1.5	4.2	24.0
Percentage of possible sunshine	38	42	47	56	62	67	70	67	64	58	44	33	54
Number of clear days	6	6	7	9	9	10	12	12	12	12	7	5	107
Hourly wind velocity, miles	11.4	11.8	11.8	11.5	9.9	9.0	8.2	8.0	8.6	9.5	11.1	11.1	10.2
OKLAHOMA, OKLAHOMA CITY													
Temperature:													
Monthly mean	36.4	39.6	50.0	59.8	67.7	76.0	80.6	79.7	72.8	61.5	48.8	39.3	59.4
Daily mean maximum	47.0	50.6	61.2	70.6	77.3	86.5	91.0	91.5	84.8	73.1	60.2	48.8	70.2
Daily mean minimum	27.2	29.2	38.6	48.9	57.6	66.6	70.1	69.4	63.1	51.0	39.1	29.7	49.2
Highest on record	83	90	97	96	98	106	106	108	103	97	86	79	108
Lowest on record	−11	−17	4	22	33	46	55	49	35	16	9	−2	−17
Precipitation:													
Total, inches	1.19	1.11	1.98	3.29	4.88	3.67	2.86	2.89	3.05	2.86	1.87	1.50	31.15
Days with 0.01 inch or more	6	5	7	8	10	8	7	7	7	6	6	6	83
Total snowfall, inches	2.6	2.0	1.2	(1)	0	0	0	0	0	(1)	0.3	1.7	7.8
Percentage of possible sunshine	56	60	61	62	64	72	76	77	74	66	63	58	66
Number of clear days	13	12	13	12	11	14	15	17	17	17	16	14	171
Hourly wind velocity, miles	11.2	12.1	13.2	13.1	11.6	10.3	8.9	8.6	9.6	10.0	10.9	10.9	10.9
OREGON, PORTLAND													
Temperature:													
Monthly mean	39.4	42.1	46.9	51.8	56.9	62.4	66.7	66.7	61.7	54.2	46.8	41.2	53.1
Daily mean maximum	44.1	48.4	54.8	61.0	66.9	71.9	78.2	77.8	71.4	62.5	52.2	46.0	61.3
Daily mean minimum	34.1	36.4	39.7	43.1	48.0	52.7	56.3	56.1	52.1	46.8	40.6	36.6	45.2
Highest on record	64	68	83	93	99	101	104	98	97	86	73	65	104
Lowest on record	−2	7	20	28	32	39	43	43	35	30	11	3	−2
Precipitation:													
Total, inches	6.60	5.36	3.91	2.87	2.19	1.52	0.61	0.64	1.98	3.12	6.10	6.72	41.62
Days with 0.01 inch or more	19	17	17	15	13	10	3	4	8	12	17	19	154
Total snowfall, inches	5.8	3.3	0.7	(1)	(1)	0	0	0	0	0	0.5	3.5	13.8
Percentage of possible sunshine	26	33	41	48	51	56	71	67	53	43	27	23	45
Number of clear days	4	4	5	7	7	8	16	16	11	7	4	3	92
Hourly wind velocity, miles	6.5	6.5	6.4	6.2	6.0	5.8	5.9	5.4	5.4	5.2	6.1	6.5	6.0
PENNSYLVANIA, PITTSBURGH													
Temperature:													
Monthly mean	30.7	32.3	39.6	51.2	62.4	70.7	74.6	72.9	66.4	55.7	43.2	34.2	52.8
Daily mean maximum	38.5	39.7	48.8	60.6	72.0	80.0	84.1	82.0	76.4	64.4	50.7	41.0	61.5
Daily mean minimum	23.4	23.7	31.4	41.3	51.9	60.5	64.8	62.9	57.2	45.8	35.9	27.3	43.8
Highest on record	75	77	84	90	95	98	103	103	102	91	79	73	103
Lowest on record	−12	−20	1	11	27	39	49	45	35	20	1	−9	−20
Precipitation:													
Total, inches	3.05	2.62	3.03	2.92	3.21	3.81	4.05	3.23	2.58	2.52	2.29	2.86	36.17
Days with 0.01 inch or more	16	14	15	13	13	12	12	10	9	10	12	14	150
Total snowfall, inches	9.1	7.8	5.8	2.1	(1)	0	0	0	0	0.2	1.7	6.5	33.2
Percentage of possible sunshine	31	36	46	48	57	62	64	61	62	55	40	29	49
Number of clear days	4	4	6	7	9	8	9	10	10	10	6	3	86
Hourly wind velocity, miles	12.2	12.3	12.4	11.6	9.8	9.2	8.7	8.2	8.7	9.5	11.4	11.8	10.5
RHODE ISLAND, PROVIDENCE													
Temperature:													
Monthly mean	29.1	28.2	37.2	46.8	57.3	66.1	71.9	69.8	63.5	53.6	42.7	32.4	49.9
Daily mean maximum	36.9	36.1	45.4	55.8	66.6	75.6	80.9	78.6	72.4	62.4	50.1	39.5	58.4
Daily mean minimum	21.3	20.3	29.0	37.8	47.9	56.7	63.0	61.0	54.5	44.7	35.1	25.4	41.4
Highest on record	64	69	84	88	94	96	100	97	95	87	75	68	100
Lowest on record	−9	−10	4	11	32	42	50	46	33	27	12	−12	−12
Precipitation:													
Total, inches	3.70	3.64	3.49	3.21	2.96	2.68	3.27	3.50	3.18	3.12	3.06	3.38	39.19
Days with 0.01 inch or more	12	10	12	12	12	10	10	9	9	9	10	10	125
Total snowfall, inches	8.9	9.7	5.5	1.5	(1)	0	0	0	0	(1)	0.5	5.3	31.4
Percentage of possible sunshine	50	56	60	59	60	63	63	62	61	61	53	50	58
Number of clear days	10	11	12	10	10	10	11	11	12	14	11	11	133
Hourly wind velocity, miles	12.9	12.8	13.5	13.0	11.3	10.0	9.0	8.8	9.1	10.8	11.7	12.2	11.3

(1) Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
SOUTH CAROLINA, CHARLESTON													
Temperature:													
Monthly mean	49.9	52.4	57.4	64.5	72.7	78.9	81.4	81.0	76.6	67.8	58.1	51.7	66.0
Daily mean maximum	57.9	59.6	65.5	72.1	79.6	85.4	87.9	87.2	83.0	74.6	66.0	59.2	73.2
Daily mean minimum	42.7	44.5	50.1	57.1	65.7	72.3	75.1	74.5	70.8	60.8	50.7	44.2	59.0
Highest on record	80	82	94	93	98	101	104	102	100	95	83	81	104
Lowest on record	10	7	24	32	45	49	63	62	49	37	23	12	7
Precipitation:													
Total, inches	3.02	2.98	3.02	2.53	3.00	4.59	6.89	6.53	4.53	3.27	2.14	2.72	45.22
Days with 0.01 inch or more	10	9	9	7	9	11	13	13	10	7	7	9	114
Total snowfall, inches	0.1	0.2	(1)	0	0	0	0	0	0	0	0	0.1	0.4
Percentage of possible sunshine	57	59	65	71	71	69	64	65	68	67	68	55	65
Number of clear days	10	10	12	13	12	8	8	8	10	14	13	11	129
Hourly wind velocity, miles	10.0	10.1	10.5	10.3	10.0	9.5	9.3	9.0	9.7	10.1	9.4	9.5	9.8
SOUTH DAKOTA, HURON													
Temperature:													
Monthly mean	11.3	14.3	28.9	45.1	56.4	66.2	71.8	69.4	61.3	47.7	31.5	18.7	43.6
Daily mean maximum	22.8	26.2	40.4	58.2	68.5	78.3	84.3	82.8	74.2	60.7	42.5	29.1	55.7
Daily mean minimum	1.5	5.0	19.3	33.9	44.2	54.9	59.6	57.4	48.0	35.4	20.7	8.9	32.4
Highest on record	64	70	85	94	97	108	108	108	106	94	79	65	108
Lowest on record	−43	−37	−25	5	20	31	41	33	18	−6	−28	−34	−43
Precipitation:													
Total, inches	0.56	0.54	0.91	2.24	2.98	3.79	3.16	2.46	1.57	1.28	0.59	0.57	20.65
Days with 0.01 inch or more	7	6	8	9	11	11	9	9	7	6	5	6	94
Total snowfall, inches	5.9	4.8	5.5	1.5	0.2	0	0	0	(1)	0.6	3.3	5.0	26.8
Percentage of possible sunshine	57	64	63	64	65	69	75	71	64	59	54	50	63
Number of clear days	11	10	9	10	11	11	14	14	13	13	11	11	138
Hourly wind velocity, miles	10.9	11.1	11.9	13.0	12.0	10.7	9.6	9.0	10.9	11.0	10.6	10.2	10.9
TENNESSEE, NASHVILLE													
Temperature:													
Monthly mean	38.6	41.6	49.2	59.0	68.2	75.6	79.1	77.8	71.8	61.0	49.0	41.0	59.3
Daily mean maximum	47.2	50.1	58.9	69.0	77.9	85.5	88.6	87.5	82.2	71.3	58.3	49.2	68.8
Daily mean minimum	30.9	32.8	40.3	49.6	58.2	66.6	70.0	68.5	62.1	50.3	40.0	33.2	50.2
Highest on record	78	79	89	90	96	100	106	105	104	92	81	75	106
Lowest on record	−10	−13	3	25	36	42	54	51	38	26	8	−2	−13
Precipitation:													
Total, inches	4.76	4.13	5.11	4.13	3.87	4.00	3.88	3.71	3.42	2.49	3.50	4.20	47.20
Days with 0.01 inch or more	12	11	12	11	11	11	11	9	8	7	9	11	123
Total snowfall, inches	2.4	2.8	1.5	0.1	(1)	0	0	0	0	(1)	0.3	1.5	8.6
Percentage of possible sunshine	43	47	54	60	65	68	71	69	69	65	55	43	59
Number of clear days	8	7	9	9	10	9	11	12	13	15	11	9	124
Hourly wind velocity, miles	10.2	10.5	11.2	10.9	8.7	7.4	6.8	6.4	7.0	7.9	9.2	9.6	8.8
TEXAS, FORT WORTH													
Temperature:													
Monthly mean	45.4	48.3	57.7	65.0	72.3	79.9	83.6	83.0	76.9	66.7	55.5	47.5	65.2
Daily mean maximum	52.2	59.1	68.6	75.2	82.0	90.4	93.5	94.2	90.6	77.7	66.9	56.9	75.6
Daily mean minimum	35.7	37.6	46.7	54.3	62.6	70.4	73.5	74.2	67.5	56.6	46.6	37.3	55.2
Highest on record	93	96	100	100	107	107	109	112	104	99	87	83	112
Lowest on record	−1	−8	15	30	34	48	56	55	40	24	20	7	−8
Precipitation:													
Total, inches	2.05	1.76	2.32	4.02	4.65	3.35	2.61	2.62	2.49	2.81	2.58	1.87	33.13
Days with 0.01 inch or more	6	6	7	8	9	6	5	5	5	6	6	6	75
Total snowfall, inches	0.9	0.6	0.3	(1)	0	0	0	0	0	(1)	0.1	0.6	2.5
Percentage of possible sunshine	61	62	67	69	71	77	81	82	80	73	67	63	71
Number of clear days	12	11	14	11	11	13	14	15	16	15	14	13	159
Hourly wind velocity, miles	10.5	11.1	12.0	12.0	10.9	10.5	9.4	8.8	8.8	9.2	9.7	9.9	10.2
TEXAS, GALVESTON													
Temperature:													
Monthly mean	53.8	56.3	62.4	68.7	74.8	80.7	83.4	83.0	80.1	72.7	63.3	56.4	69.6
Daily mean maximum	59.3	61.7	67.1	73.7	79.9	85.7	87.8	87.9	84.7	77.7	68.6	61.8	74.7
Daily mean minimum	48.6	50.9	57.1	64.5	70.9	76.8	78.6	78.5	75.4	67.8	58.1	50.9	64.8
Highest on record	76	78	85	86	93	99	99	100	96	91	85	80	100
Lowest on record	11	8	30	41	52	57	66	67	54	41	26	18	8
Precipitation:													
Total, inches	3.41	2.83	2.68	3.06	3.42	4.37	3.71	4.28	5.57	4.36	3.33	3.75	44.77
Days with 0.01 inch or more	10	9	8	7	6	7	9	9	9	7	8	10	99
Total snowfall, inches	(1)	0.3	0	0	0	0	0	0	0	0	0	(1)	0.3
Percentage of possible sunshine	52	52	56	62	69	76	73	70	70	73	61	50	64
Number of clear days	10	9	10	11	12	15	14	15	15	18	13	10	152
Hourly wind velocity, miles	11.5	11.7	11.8	12.2	11.3	10.2	9.0	8.5	9.7	10.2	10.9	11.3	10.7

1 Trace.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
TEXAS, SAN ANTONIO													
Temperature:													
Monthly mean	52.3	55.4	62.8	69.1	75.1	81.0	83.8	83.5	79.0	70.5	60.3	53.7	68.9
Daily mean maximum	62.7	66.2	73.0	79.6	84.9	91.2	93.7	94.6	89.4	81.4	71.0	63.4	79.3
Daily mean minimum	42.5	45.3	51.9	58.8	65.2	71.1	73.1	73.2	69.3	60.0	51.2	44.4	58.8
Highest on record	87	91	97	100	103	105	106	107	103	98	89	86	107
Lowest on record	6	4	21	35	44	48	60	57	46	32	22	15	4
Precipitation:													
Total inches	1.46	1.65	1.84	3.19	3.20	2.46	2.17	2.42	3.05	2.23	1.90	1.61	27.18
Days with 0.01 inch or more	8	7	7	8	8	7	6	5	7	6	7	8	84
Total snowfall, inches	0.2	0.1	0	0	0	0	0	0	0	0	0	0.2	0.5
Percentage of possible sunshine	51	53	57	57	60	69	73	75	69	65	52	49	61
Number of clear days	11	10	11	9	9	12	14	14	12	15	11	12	140
Hourly wind velocity, miles	7.7	8.8	8.9	8.7	8.1	7.6	7.2	6.6	6.8	6.8	7.3	7.3	7.6
UTAH, SALT LAKE CITY													
Temperature:													
Monthly mean	29.2	33.8	41.7	49.6	57.4	67.4	75.7	74.5	64.4	52.5	41.1	31.9	51.6
Daily mean maximum	36.5	41.3	50.5	59.7	68.6	79.5	88.4	86.5	76.1	62.8	49.4	38.6	61.5
Daily mean minimum	21.8	26.3	32.8	39.9	47.3	55.8	64.0	62.8	52.8	42.3	32.3	24.7	41.9
Highest on record	60	68	77	85	93	101	105	101	97	88	74	62	105
Lowest on record	−20	−13	0	18	25	32	43	44	29	22	−2	−10	−20
Precipitation:													
Total inches	1.31	1.51	1.98	2.05	1.92	0.80	0.51	0.85	0.98	1.44	1.35	1.43	16.13
Days with 0.01 inch or more	10	10	10	9	8	5	4	6	5	7	7	10	91
Total snowfall, inches	11.4	10.6	10.5	3.5	0.4	(1)	0	0	(1)	1.0	5.7	11.4	54.5
Percentage of possible sunshine	45	49	57	64	68	78	79	76	76	68	57	44	63
Number of clear days	8	7	10	10	12	17	18	17	18	16	12	8	153
Hourly wind velocity, miles	5.8	6.2	7.2	7.8	7.9	7.7	7.3	7.0	7.3	6.5	5.8	5.4	6.8
VERMONT, NORTHFIELD[3]													
Temperature:													
Monthly mean	15.2	16.4	26.4	40.3	52.8	61.3	65.9	63.4	56.1	45.5	32.8	20.4	41.4
Daily mean maximum	26.1	26.7	36.8	49.8	63.9	72.7	75.5	74.5	67.7	55.7	41.4	29.5	51.7
Daily mean minimum	4.7	5.5	16.6	29.1	40.2	49.1	53.5	51.1	44.2	34.4	24.6	17.0	30.8
Highest on record	61	61	75	85	93	96	98	95	92	85	72	65	98
Lowest on record	−32	−35	−22	−1	18	28	34	31	20	9	−14	−41	−41
Precipitation:													
Total inches	2.35	2.25	2.56	2.28	2.75	3.19	3.58	3.53	3.07	2.86	2.93	2.49	33.84
Days with 0.01 inch or more	14	11	13	12	13	13	14	12	12	12	13	13	152
Total snowfall, inches	18.8	19.7	16.0	6.7	0.5	0	0	0	(1)	0.8	9.0	15.3	86.8
Percentage of possible sunshine	38	48	51	50	52	57	59	57	51	43	31	25	47
Number of clear days	5	6	7	6	6	6	5	6	8	6	4	4	69
Hourly wind velocity, miles	8.0	8.1	8.8	8.6	8.1	7.0	6.4	6.2	6.7	7.4	7.9	7.5	7.6
VIRGINIA, LYNCHBURG													
Temperature:													
Monthly mean	37.5	40.3	47.3	57.3	67.3	74.6	77.5	75.6	69.0	58.5	47.2	39.5	57.6
Daily mean maximum	46.2	48.5	57.0	66.9	76.7	83.5	87.4	85.0	79.6	69.1	57.5	48.4	67.2
Daily mean minimum	28.6	30.1	37.0	45.0	54.8	63.1	67.3	65.7	59.4	47.3	37.5	30.7	47.2
Highest on record	77	81	92	95	97	101	103	105	99	94	82	79	105
Lowest on record	−7	−3	11	20	34	43	50	47	35	26	9	−4	−7
Precipitation:													
Total inches	3.43	3.15	3.54	2.95	3.63	3.79	4.21	3.78	3.31	3.15	2.33	3.26	40.53
Days with 0.01 inch or more	11	10	11	10	12	12	11	12	9	7	8	9	122
Total snowfall, inches	4.6	3.5	2.4	0.3	(1)	0	0	0	0	0.1	0.4	2.3	13.6
Percentage of possible sunshine	46	53	58	61	65	66	70	65	64	63	54	46	59
Number of clear days	10	10	11	11	11	9	10	10	13	15	12	11	133
Hourly wind velocity, miles	5.8	5.5	6.8	6.6	5.4	4.7	5.9	5.5	4.1	4.7	5.4	5.6	5.5
WASHINGTON, SEATTLE													
Temperature:													
Monthly mean	39.5	41.1	44.9	49.4	54.5	59.0	63.1	63.1	58.1	51.4	45.6	41.7	51.0
Daily mean maximum	44.3	47.2	51.5	57.2	62.9	67.8	73.1	72.6	66.3	58.2	50.7	46.0	58.2
Daily mean minimum	35.6	36.6	38.8	42.0	46.9	51.3	54.6	54.8	51.4	46.4	41.2	37.5	44.8
Highest on record	67	67	81	85	92	98	95	92	87	81	68	62	98
Lowest on record	3	4	20	30	36	40	46	46	36	29	15	12	3

[1] Trace.

[3] Revised through 1930 only.

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No. 134.—Climatic Conditions, Etc.—Continued

Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
WASHINGTON, SEATTLE—con.													
Precipitation:													
Total inches	4.94	3.89	3.05	2.38	1.87	1.33	0.63	0.70	1.77	2.84	5.03	5.60	34.03
Days with 0.01 inch or more	19	16	16	13	12	9	4	4	9	13	18	19	152
Total snowfall, inches	5.1	4.3	1.0	0.2	(1)	0	0	0	0	(1)	1.0	1.9	13.5
Percentage of possible sunshine	24	35	45	52	53	55	67	61	49	34	21	21	43
Number of clear days	4	4	5	6	6	7	14	13	9	5	2	3	78
Hourly wind velocity, miles	8.9	8.2	9.0	8.4	8.2	7.7	6.9	6.2	6.9	7.5	8.3	8.9	7.9
WEST VIRGINIA, PARKERSBURG													
Temperature:													
Monthly mean	32.5	34.2	42.8	53.4	63.8	71.4	75.4	73.9	67.3	56.1	43.8	35.2	54.2
Daily mean maximum	41.2	42.0	52.8	63.8	74.0	81.9	85.6	83.9	78.8	66.6	53.2	43.2	63.9
Daily mean minimum	25.0	25.3	33.7	42.7	52.4	61.0	64.8	63.3	57.2	45.0	35.6	27.8	44.5
Highest on record	74	77	89	93	96	99	104	106	99	91	81	72	106
Lowest on record	−12	−27	4	15	31	41	48	45	33	20	4	−10	−27
Precipitation:													
Total inches	3.58	3.13	3.49	3.19	3.38	4.00	4.29	3.51	2.76	2.48	2.57	3.03	39.41
Days with 0.01 inch or more	15	13	14	13	12	13	12	11	9	9	11	13	145
Total snowfall, inches	7.0	6.8	4.3	1.0	(1)	0	0	0	0	0.1	1.2	4.5	24.9
Percentage of possible sunshine	29	35	41	48	54	58	63	57	58	51	35	28	46
Number of clear days	6	6	8	10	11	11	13	12	13	13	7	6	116
Hourly wind velocity, miles	6.5	7.0	7.2	6.7	5.2	4.6	4.3	4.1	4.2	4.8	5.9	6.1	5.6
WISCONSIN, GREEN BAY													
Temperature:													
Monthly mean	15.7	17.4	28.6	43.2	54.9	64.9	70.0	67.7	60.4	48.5	34.0	22.3	44.0
Daily mean maximum	23.4	25.5	36.9	52.0	64.3	75.0	80.2	77.2	69.9	56.8	41.3	28.9	52.6
Daily mean minimum	8.1	9.5	21.2	34.4	45.0	55.5	60.2	58.0	51.6	40.5	28.1	16.0	35.7
Highest on record	51	60	82	85	91	100	101	98	97	84	71	54	101
Lowest on record	−36	−33	−23	11	22	34	43	38	25	8	−12	−21	−36
Precipitation:													
Total inches	1.54	1.56	2.04	2.65	3.52	3.70	3.46	3.18	3.52	2.54	2.16	1.71	31.58
Days with 0.01 inch or more	10	9	10	11	12	11	11	9	10	9	9	10	121
Total snowfall, inches	12.4	11.5	9.4	3.2	0.2	0	0	0	0	0.8	5.0	9.4	51.9
Percentage of possible sunshine	47	52	57	59	61	67	71	67	60	53	41	41	56
Number of clear days	7	7	7	7	7	6	8	8	8	7	5	6	83
Hourly wind velocity, miles	9.5	9.8	10.2	10.5	9.8	8.4	8.0	7.9	8.8	9.3	9.9	9.7	9.3
WYOMING, LANDER													
Temperature:													
Monthly mean	18.3	22.5	32.4	42.4	51.2	60.5	67.4	65.5	55.7	43.5	30.3	20.4	42.5
Daily mean maximum	32.0	35.5	44.6	55.1	64.4	75.6	83.5	82.1	71.5	58.4	44.1	32.0	56.6
Daily mean minimum	5.4	9.2	19.1	29.4	38.0	45.4	51.4	49.3	40.1	29.6	17.5	6.6	28.4
Highest on record	64	64	71	82	88	96	100	96	90	83	72	62	100
Lowest on record	−39	−35	−24	−3	13	26	32	23	7	−14	−31	−40	−40
Precipitation:													
Total inches	0.56	0.63	1.19	2.06	2.26	1.15	0.69	0.53	0.92	1.36	0.60	0.68	12.63
Days with 0.01 inch or more	4	5	7	8	9	6	6	5	5	6	6	4	71
Total snowfall, inches	5.1	8.6	12.3	12.9	4.4	0.4	0	0	1.9	9.1	6.8	8.1	69.6
Percentage of possible sunshine	66	70	72	66	64	74	74	74	70	65	58	62	68
Number of clear days	12	11	10	9	9	12	13	14	14	13	11	13	141
Hourly wind velocity, miles	3.9	3.9	5.0	5.5	5.5	5.1	4.6	4.4	4.4	3.8	3.7	3.4	4.4

[1] Trace.

Source: The Climatological Division, Weather Bureau, Department of Agriculture.

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8. ARMY, NAVY, CIVIL SERVICE, PENSIONS, VETERANS' BUREAU ACTIVITIES, ELECTIONS, ETC.

No. 135.—ARMY OF THE UNITED STATES: STRENGTH OF COMPONENT PARTS

NOTE.—Prior to 1914, table covers quinquennial years and years in which considerable changes occurred in the number of Regular Army. Figures for Officers' Reserve Corps include Regular Army enlisted men and also, prior to 1924, National Guard officers, holding commissions in the reserve. There is, therefore, some duplication in the grand totals, but the number of this personnel is not so great as to make a material difference in the figures

June 30—	Grand total	Regular Army[1]			National Guard[2]			Reserve forces		
		Total	Officers	Enlisted men	Total	Officers	Enlisted men	Total	Officers	Enlisted men
1890	136,624	27,089	2,168	24,921	109,535	8,555	100,980			
1895	140,051	27,172	2,154	25,018	112,879	9,227	103,652			
1900	223,366	68,155	2,486	65,669	122,213	8,246	113,967	[3]32,998	[3]1,531	[3]31,467
1901	200,696	81,586	2,940	78,646	115,749	8,751	106,998	[3]3,361	[3]350	[3]3,011
1902	185,805	75,584	3,731	71,853	110,221	[4]	[4]			
1905	178,269	66,956	3,934	63,022	111,313	8,680	102,633			
1908	187,369	76,428	3,966	72,462	110,941	8,583	102,358			
1909	203,385	84,459	4,208	80,251	118,926	8,975	109,951			
1910	200,378	80,718	4,439	76,279	119,660	9,155	110,505			
1912	213,313	91,461	4,650	86,811	121,852	9,142	112,710			
1914	225,819	97,760	4,883	92,877	128,043	8,792	119,251	[3]16		[3]16
1915	235,410	105,993	4,798	101,195	129,398	8,705	120,693	[3]19		[3]19
1916	244,483	107,641	5,025	102,616	132,194	8,589	123,605	[5]4,648		[5]4,648
1917	629,863	250,357	6,332	244,025	[6]314,581	[7]11,000	303,581	64,925	[5]21,543	[5]43,382
1918	2,246,103	741,084	10,518	730,566	[6]445,678	[7]12,000	[7]433,678	1,059,341	[10]135,380	[11]923,961
1918 (Nov. 11)	3,673,888	[12]3,673,888	[13]188,434	[12]3,485,454						
1919	931,422	836,882	[13]78,003	758,879	37,210	1,198	36,012	57,330	[8]45,573	[8]11,757
1920	363,540	200,367	[13]15,519	184,848	56,090	2,073	54,017	107,083	[8]68,232	[8]38,851
1921	407,920	227,374	[13]14,124	213,250	113,640	5,843	107,797	66,906	[8]66,905	[14]1
1922	373,597	146,069	[13]14,075	131,994	159,658	8,744	150,914	67,870	[8]67,390	[14]480
1923	370,042	130,964	[13]12,682	118,282	160,598	9,675	150,923	78,480	[8]76,923	[14]1,557
1924	397,794	140,644	[13]12,501	128,143	177,428	[15]10,996	166,432	79,722	[8]76,322	[14]3,400
1925	406,162	134,624	[13]12,909	121,715	177,525	[15]11,595	165,930	94,013	[8]88,898	[14]5,115
1926	410,902	133,033	[13]13,105	119,928	174,969	[15]11,435	163,534	102,900	[8]97,125	[14]5,775
1927	421,519	133,079	[13]13,175	119,904	181,142	[15]12,192	168,950	107,298	[8]101,563	[14]5,735
1928	426,075	134,331	[13]13,174	121,157	181,221	[15]12,428	168,793	110,523	[8]105,059	[14]5,464
1929	421,466	137,360	[13]13,168	124,192	176,988	[15]12,535	164,453	107,118	[8]101,926	[14]5,192
1930	426,825	137,472	[13]13,195	124,277	182,715	[15]12,930	169,785	106,638	[8]101,917	[14]4,721
1931	439,081	138,648	[14]13,205	125,443	187,386	[15]13,249	174,137	113,047	[8]108,210	[14]4,837

[1] Includes Philippine Scouts beginning with 1902. Figures for 1919 to 1926, inclusive, include in most cases World War emergency personnel still in service. All emergency enlisted men still in service were discharged on July 2, 1921. On Nov. 11, 1926, the last emergency officer was discharged, thereby completing the demobilization of the World War Army. Retired personnel on active duty are not included.

[2] State militia prior to act of June 3, 1916.

[3] U. S. Volunteers.

[4] Figures on officers and enlisted men not available.

[5] Regular Army Reserve. The Regular Army Reserve was abolished by act of June 4, 1920.

[6] Includes National Guard personnel in Federal service.

[7] Estimate.

[8] Officers' Reserve Corps. Beginning with 1924, figures do not include individuals who hold commissions also in the National Guard.

[9] Includes Regular Army Reserve, 8,382; Enlisted Reserve Corps, 35,000 (estimate).

[10] Includes Officers' Reserve Corps, 86,262; National Army, 49,118 (estimate).

[11] Estimated enlisted strength of the National Army. Practically all members of the Regular Army Reserve and the Enlisted Reserve Corps had, by this date, been assigned to duty with Regular Army, National Guard, and National Army organizations.

[12] Estimates only. Under orders of the Secretary of War all components had been merged into one army known as "The United States Army."

[13] Beginning with 1919, figures for commissioned officers include warrant officers in the following numbers: 1919, 37; 1920, 68; 1921, 1,159; 1922, 1,151; 1923, 1,085; 1924, 1,063; 1925, 1,028; 1926, 1,325; 1927, 1,262; 1928, 1,208; 1929, 1,138; 1930, 1,089; 1931, 1,028.

[14] Enlisted Reserve Corps.

[15] Beginning with 1924, figures for commissioned officers include warrant officers in the following numbers: 1924, 87; 1925, 160; 1926, 162; 1927, 182; 1928, 184; 1929, 188; 1930, 198; 1931, 198.

Source: Reports of the War Department.

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No. 136—NATIONAL GUARD: ORGANIZED STRENGTH, JUNE 30, 1931

State or Territory	Officers [1]	Enlisted men	State or Territory	Officers [1]	Enlisted men	State or Territory	Officers [1]	Enlisted men
Total	13,249	174,137	Kentucky	219	2,586	Ohio	625	7,953
			Louisiana	137	1,861	Oklahoma	399	4,839
Alabama	211	2,527	Maine	177	2,294	Oregon	207	2,851
Arizona	83	1,099	Maryland	249	3,131	Pennsylvania	850	11,228
Arkansas	139	2,068	Massachusetts	667	9,102	Puerto Rico	90	1,431
California	446	6,014	Michigan	337	4,202	Rhode Island	158	1,788
Colorado	135	1,724	Minnesota	357	4,712	South Carolina	147	2,001
Connecticut	313	4,011	Mississippi	118	1,655	South Dakota	106	1,250
Delaware	55	777	Missouri	313	4,184	Tennessee	194	2,519
Dist. of Col	70	974	Montana	78	1,125	Texas	591	7,473
Florida	174	2,364	Nebraska	111	1,612	Utah	131	1,293
Georgia	250	3,446	Nevada	7	119	Vermont	82	1,102
Hawaii	108	1,606	New Hampshire	77	971	Virginia	262	3,580
Idaho	103	1,193	New Jersey	366	4,634	Washington	223	2,480
Illinois	653	9,438	New Mexico	76	880	West Virginia	125	1,833
Indiana	373	4,467	New York	1,389	20,043	Wisconsin	359	4,561
Iowa	269	3,361	North Carolina	264	3,134	Wyoming	48	581
Kansas	249	2,947	North Dakota	79	1,113			

[1] Includes 198 warrant officers.

No. 137.—NAVY, MARINE CORPS, AND THE NAVAL RESERVE: ORGANIZED STRENGTH, JUNE 30

Year	Navy		Naval Reserve [1]		Marine Corps		Marine Corps Reserve	
	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men	Officers	Enlisted men
1905	2,252	30,804	465	4,475	273	6,932		
1910	2,921	45,076	540	5,961	334	9,152		
1914	3,711	52,667	596	7,132	341	9,888		
1915	3,780	52,561	606	7,706	344	9,968		
1916	4,134	54,234	638	9,170	646	14,981		
1917	4,253	100,539	[2] 4,166	46,070	500	24,772	373	4,073
1918	7,974	208,671	[2] 15,486	217,136	1,283	45,348	210	5,188
1919	10,488	169,575	[2] 32,137	80,705	1,997	43,921	725	6,145
1920	9,171	107,601	[2] 28,482	1,349	1,106	16,061	564	4,750
1921	8,625	119,205	[2] 19,734	[3]	1,087	21,903	545	4,180
1922	7,831	88,580	[2] 5,340	[4] 13,400	1,142	20,098	446	1,110
1923	7,873	82,355	4,222	16,098	1,140	18,533	136	443
1924	8,126	87,327	3,975	21,015	1,157	19,176	137	501
1925	8,389	84,289	3,818	24,457	1,168	18,310	150	483
1926	8,574	82,161	3,736	25,654	1,178	17,956	250	2,647
1927	8,904	83,566	3,771	26,293	1,200	18,000	378	5,685
1928	8,856	84,276	4,091	27,072	1,198	17,822	413	8,366
1929	8,905	85,284	6,078	28,821	1,182	17,615	445	9,119
1930	8,985	84,872	7,002	31,777	1,212	18,172	488	10,265
1931	9,260	80,863	7,549	34,586	1,194	17,586	536	9,425

[1] Naval Militia prior to 1917. [2] Enrolled. [3] No figures available. [4] Approximate.

No. 138.—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, JUNE 30

June 30—	Total		Fighting ships		Nonfighting ships	
	Number	Displacement	Number	Displacement	Number	Displacement
		Tons		*Tons*		*Tons*
1906	276	692,592	200	518,115	76	174,477
1910	308	1,075,407	220	828,695	88	246,712
1915	343	1,352,135	230	913,334	113	438,801
1920	795	2,111,457	618	1,369,880	177	741,577
1925	754	2,274,376	567	1,269,791	187	1,004,585
1926	734	2,247,955	557	1,273,550	177	974,405
1927	734	2,225,348	556	1,264,313	178	961,035
1928	735	2,310,481	561	1,331,043	174	979,438
1929	733	2,321,946	559	1,342,508	174	979,438
1930	685	2,223,617	551	1,305,744	134	922,873
1931	598	2,051,659	464	1,091,590	134	960,069

Sources: Tables 136, War Department; Tables 137 and 138, Navy Department.

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No. 139—VESSELS OF THE U. S. NAVY FIT FOR SERVICE (INCLUDING THOSE UNDER REPAIR): NUMBER AND DISPLACEMENT, BY TYPES, DECEMBER 31, 1931

NOTE.—Displacements of combatant vessels are given as standard displacements, of all other vessels, load displacements. Standard displacements are displacement arrived at in accordance with the terms of the London Treaty for the Limitation and Reduction of Naval Armament. Vessels under construction December 31, 1931, were as follows: 7 heavy cruisers (70,000 tons), 1 aircraft carrier (13,800 tons), 5 destroyers (7,500 tons), 3 submarines (3,800 tons), total 16 vessels (95,100 tons). In addition the construction of 3 heavy cruisers, 5 light cruisers, 7 destroyers, 1 submarine, and 1 transport had been authorized but contracts not placed

Class and type	In commission		Out of commission	
	Number	Displacement	Number	Displacement
Grand total	**347**	**1,425,564**	**242**	**585,255**
Battle ships	15	455,400		
Cruisers, total	19	150,750		
Heavy cruisers—				
Not over age	8	72,900		
Over age	1	7,350		
Light cruisers—				
not over age	10	70,500		
Aircraft carriers— not over age	3	[1] 77,500		
Destroyers, total [2]	87	99,060	133	135,470
Not over age	36	42,740	25	29,320
Over age	51	56,320	108	106,150
Submarines, total	56	52,150	25	14,100
Not over age	[3] 55	[3] 49,440	9	6,070
Over age			16	8,030
Mine laying—not over age	1	2,710		
Mine vessels, total	33	32,360	20	28,690
Mine layers	1	4,200	3	11,850
Light mine layers—over age	4	4,640	8	9,280
Mine sweepers	28	23,520	9	7,560
Patrol vessels, total	48	18,660	16	4,750
Eagles	15	6,450	10	4,300
Submarine chasers	18	1,350	6	450
Gunboats	5	6,120		
River gunboats	8	3,120		
Converted yachts	2	1,620		
Auxiliaries, total	70	480,020	37	347,440
Destroyer tenders	6	60,950	2	21,750
Submarine tenders	5	40,500	2	17,570
Aircraft tenders	2	30,750		
Repair ships	2	18,720	1	8,100
Store ships	2	21,100	3	39,460
Colliers			3	57,640
Oilers	10	135,800	9	139,550
Ammunition ships	1	10,600	1	10,600
Cargo ships	3	26,230	3	33,450
Transports	2	20,700		
Hospital ships	1	9,800	1	9,450
Ocean going tugs	23	21,780	11	8,810
Submarine rescue vessels	6	7,290		
Miscellaneous	7	75,800	1	1,060
Unclassified	16	59,664	11	54,805

[1] Excludes weight allowance under *Washington Treaty for providing against air and submarine attack.*
[2] In addition there were 5 destroyers, not over age, with 5,950 tons standard displacement and 11 destroyers, over age, with 9,760 tons standard displacement operated by U. S. Coast Guard.
[3] Includes S–4 which is in commission as a special experimental vessel without propulsive machinery.

No. 140.—AMERICAN NATIONAL RED CROSS: EXPENDITURES OF THE NATIONAL ORGANIZATION AND ADULT MEMBERSHIP, YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** Expenditures do not include chapter budgets. Total Continental United States adult membership (including Alaska) and per cent of total population for recent years are as follows: 1926–27, 2,995,846 (2.5 per cent); 1927–28, 3,975,155 (3.4 per cent); 1928–29, 4,019,316 (3.4 per cent); 1929–30, 4,005,513 (3.3 per cent); 1930–31, 3,962,136 (3.2 per cent). Total adult membership including insular territories and possessions, 1930–31, 4,075,649

	1924–1929, total	1926	1927	1928	1929	1930	1931
Total	**72,006**	**7,362**	**11,360**	**19,368**	**11,064**	**4,255**	**15,182**
Domestic operations:							
Service to disabled veterans	7,816	1,641	1,161	862	738	883	740
Service to men of the Regular Army and Navy	1,851	309	308	307	308	300	371
Disaster relief	35,232	3,643	7,961	16,692	4,864	1,208	11,897
Enrolled Nurses' Reserve	272	47	45	46	44	41	42
Public health nursing	1,239	216	211	161	154	187	180
Home hygiene and care of the sick	395	51	48	86	88	77	71
Nutrition	393	64	54	64	71	48	45
First aid and life saving	1,538	251	239	297	301	274	272
Junior Red Cross	1,325	212	188	237	238	260	245
Other domestic operations	1,678	264	236	299	293	202	193
Insular and foreign operations:							
Relief in foreign disasters	16,122	53	257	213	3,343	134	442
League of Red Cross Societies	1,133	180	193	211	208	208	248
Junior Red Cross foreign projects	388	74	69	31	29	29	26
Assistance to insular chapters	839	50	76	64	66	85	76
Other insular and foreign work		55	48	29	40	23	41
Supervision of service activities and general management	1,782	271	265	268	278	296	293

Sources: Table 139, Navy Department, Table 140, The American Red Cross.

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GENERAL NOTE.—Under the act of July 3, 1930, all governmental agencies affecting war veterans were consolidated into one establishment, the Veterans' Administration. The total net disbursements for activities under the Veterans' Administration for the fiscal year 1931 amounted to $785,814,000 distributed as follows: From appropriation for former Veterans' Bureau, $511,679,000; Pension Bureau (including operations under civil service retirement law), $260,674,000; National Homes for Disabled Volunteer Soldiers, $13,461,000. The various forms of veterans' relief formerly under the Veterans' Bureau are summarized below and in Tables 141 to 148; activities under former Bureau of Pensions in Tables 149 and 150.

Compensation is awarded for death or disability resulting from personal injuries received or diseases contracted in the military or naval service on or after April 6, 1917, and before July 2, 1921, or for an aggravation or recurrence of a preexisting disability resulting from such service. The rates of compensation range from $8 per month for a temporary disability to $200 per month for double permanent total disability. In some instances a $50 allowance for an attendant is granted in addition to other compensation.

Disability allowance.—An amendment of July 3, 1930, provides for a disability allowance to ex-service men, who served 90 days or more during the World War and who are suffering from a permanent disability of 25 per cent or more not acquired in service and for which compensation is not payable.

Yearly renewable term insurance.—During the period of the war and until July 2, 1927, yearly renewable term insurance ranging from $500 to $10,000 was issued. All term insurance not converted into permanent United States Government life insurance before July 2, 1927, lapsed. Claims upon such policies are paid in 240 monthly installments except where there is no beneficiary named or where the beneficiary named dies before receiving all of the payments, the remainder is paid in one sum.

Medical and hospital care.—In addition to compensation payments, the disabled person is furnished reasonable Government medical, surgical, and hospital service and supplies, and appliances considered reasonably necessary. Government hospital facilities are also available for veterans of the Spanish-American War, the Philippine Insurrection, the Boxer Rebellion, or the World War, suffering from neuropsychiatric or tubercular ailments and diseases, paralysis agitans, encephalitis lethargica or amoebic dysentery, or loss of sight of both eyes, whether such ailments or diseases are due to military service or otherwise. The administration is also authorized, as far as Government facilities permit, to furnish hospitalization and necessary traveling expenses to veterans of any war since 1897, without regard to the nature or origin of their disabilities. By act of June 11, 1930, retired enlisted men of the Navy and Marine Corps and transferred members of the Fleet Naval Reserve and the Fleet Marine Corps Reserve were placed on an equal footing with veterans entitled to hospitalization under previous acts.

Vocational rehabilitation.—Under the act of July 27, 1918, honorably discharged ex-service men who were unable to carry on in a gainful occupation successfully were provided with vocational training at Government expense. Rehabilitation activities of the bureau ceased with the close of the fiscal year 1928.

United States Government life insurance.—United States Government life insurance is issued in any multiple of $500, not less than $1,000 or more than $10,000, upon the payment of premiums at a net peace-time rate, with no extra charge for administration or excess mortality due to the hazards of war. (For rates and forms of insurance see Tables 143 and 145.) The policies carry the usual provisions common to policies issued by commercial companies, such as extended insurance, paid-up insurance, cash surrenders, and loans. Dividends are also paid from excess of interest earnings and savings in mortality.

Adjusted compensation.—The act of May 19, 1924, authorized the payment of adjusted compensation to all veterans of the World War, excluding officers above the grade of captain in the Army or Marine Corps or similar rank in the Navy and Coast Guard. The rate of adjusted compensation for service in excess of 60 days is $1.25 and $1 per day and the amount of credit is limited to $625 and $500 for overseas and home service, respectively. Veterans entitled to not more than $50 are paid in cash and others are given a 20-year endowment insurance policy for an amount that the adjusted service credit increased by 25 per cent would purchase at the age of the veteran on the birthday nearest the date of the certificate, with interest at 4 per cent compounded annually. An amendment authorized the bureau to make loans direct to the veteran; prior to its passage loans secured by adjusted service certificates could be made only by the banks. Under the act of June 5, 1930, applications for adjusted compensation may be filed to January 2, 1935.

Retirement of disabled emergency officers.—The act of May 24, 1928, provides that all emergency officers who served during the World War who have a permanent disability incurred in line of duty of 30 per cent or more shall receive retirement pay and be entitled to the same privileges as provided for officers of the Regular Army, Navy, or Marine Corps who have been retired for physical disability incurred in line of duty.

No. 141.—DISBURSEMENTS FROM APPROPRIATIONS OF FORMER VETERANS' BUREAU

[All figures in thousands of dollars]

	Total to June 30, 1931	Year ended June 30—				
		1927	1928	1929	1930	1931
Grand total	**5,722,163**	**405,348**	**421,001**	**432,743**	**452,150**	**511,679**
Disbursements from appropriations	**5,277,568**	**393,584**	**408,373**	**410,446**	**427,472**	**495,725**
Losses on war-risk insurance on vessels, etc.	35,078			1		2
Military and naval family allowance	282,085	[1] 87	[1] 24	[1] 2	1	3
Military and naval insurance [2]	1,374,005	120,964	120,771	121,349	122,769	117,924
Military and naval compensation	1,891,950	173,477	181,800	188,931	199,229	253,969
Vocational rehabilitation	644,883	2,206	233	[1] 5	[1] 20	[1] 22
Medical and hospital services	420,012	31,555	30,167	29,809	32,185	36,750
Hospital facilities and services	52,328	4,599	5,222	4,044	8,241	9,040
Salaries and expenses, Veterans' Bureau	414,756	36,354	37,815	39,932	41,590	45,964
Printing and binding	1,119	127	134	128	150	178
Increase of compensation	8,698					
Administrative expenses adjusted compensation, 1924–25	835					
Adjusted service and dependent pay	40,824	9,960	10,153	6,453	3,130	2,463
Adjusted service certificate fund	110,736	14,408	17,098	19,745	20,131	19,392
All other	259	21	4	61	66	62
Disbursements from trust funds	**444,595**	**11,764**	**17,628**	**22,295**	**24,678**	**25,954**
Allotment trust fund	300,841	[1] 100	[1] 36	[1] 6	1	2
U. S. Government life-insurance fund	143,676	11,864	17,664	22,301	24,677	25,952
Vocational rehabilitation gift fund	78					

[1] Credit.

[2] $453,343,000 in premiums credited to this appropriation.

Source: Veterans' Administration.

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No. 142.—INSURANCE AND COMPENSATION DEATH AND DISABILITY AWARDS, AND DISABILITY ALLOWANCE AWARDS

NOTE.—See general note, p. 149

	Total to June 30, 1931	Period or year ended June 30—					
		1926	1927	1928	1929	1930	1931
Number of awards made during period or year:							
Compensation—							
Total original awards	602,533	26,780	15,429	14,152	14,300	16,448	25,166
Original death	84,647	9,175	2,303	1,890	1,794	2,447	2,456
Original disability	517,886	17,605	13,126	12,262	12,506	14,001	22,710
Disability change to death	33,894	4,913	3,514	3,370	2,871	3,004	2,697
Disability allowance—							
Total original awards	239,073						239,073
Term insurance—							
Total original awards	188,882	4,462	2,055	1,039	978	947	1,407
Original death	154,430	1,370	752	532	372	349	312
Original disability	34,452	3,092	1,303	507	606	598	1,095
Disability changed to death	18,469	1,538	852	680	938	810	654
Converted insurance—							
Total original awards	23,210	1,850	1,957	2,914	3,406	3,507	3,510
Original death	14,831	1,014	1,199	1,822	2,205	2,237	2,147
Original disability	8,379	836	758	1,092	1,201	1,270	1,363
Disability changed to death	1,955	173	190	218	264	344	353
Number of awards active at end of period or year:							
Compensation		305,177	326,450	344,098	350,667	371,579	392,622
Death		78,693	82,839	86,562	88,529	92,040	93,334
Disability		226,484	243,611	257,536	262,138	279,539	299,288
Disability allowance							229,568
Emergency officers retired with pay					4,350	6,063	6,364
Term insurance		154,881	146,047	144,081	157,369	155,254	152,982
Death		144,057	135,005	133,107	145,425	143,053	140,369
Disability		10,824	11,042	10,974	11,944	12,201	12,613
Converted insurance		3,375	4,086	5,298	6,634	8,042	8,025
Death		1,462	1,694	2,075	2,532	3,006	2,016
Disability		1,913	2,392	3,223	4,102	5,036	6,009

No. 143.—GOVERNMENT LIFE INSURANCE: ANNUAL PREMIUM RATES ON $1,000 INSURANCE, BY SPECIFIED FORMS OF INSURANCE

Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term	Age at conversion	Ordinary life	20-payment life	30-payment life	20-year endowment	30-year endowment	Endowment at age 62	5-year convertible term
	Dolls.	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*		*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*	*Dolls.*
15	12.29	19.25	15.36	38.86	23.98	14.88	7.44	43	26.58	33.43	28.11	42.53	30.12	44.77	10.87
16	12.52	19.61	15.59	38.86	24.10	15.24	7.44	44	27.64	34.38	29.06	42.88	30.95	47.72	11.22
17	12.76	19.85	15.83	38.98	24.10	15.59	7.56	45	28.71	35.32	30.00	43.47	31.66	50.91	11.69
18	12.99	20.20	16.07	38.98	24.22	16.07	7.56	46	29.89	36.38	31.19	43.94	32.60	54.69	12.17
19	13.23	20.44	16.30	38.98	24.22	16.54	7.56	47	31.19	37.56	32.25	44.65	33.55	58.83	12.76
20	13.58	20.79	16.54	39.10	24.33	17.01	7.68	48	32.60	38.75	33.55	45.36	34.61	63.67	13.47
21	13.82	21.14	16.89	39.10	24.33	17.48	7.68	49	34.02	39.93	34.85	46.07	35.79	69.22	14.18
22	14.18	21.50	17.13	39.10	24.45	18.07	7.80	50	35.56	41.34	36.38	47.02	37.09	75.72	15.00
23	14.53	21.85	17.48	39.22	24.45	18.66	7.80	51	37.21	42.76	------	47.96	38.51	83.28	15.95
24	14.88	22.21	17.84	39.22	24.57	19.25	7.91	52	38.98	44.30	------	49.02	40.05	92.49	16.89
25	15.24	22.56	18.07	39.34	24.69	19.85	7.91	53	40.87	45.83	------	50.20	41.82	------	18.07
26	15.59	23.04	18.43	39.34	24.81	20.55	8.03	54	42.88	47.61	------	51.62	43.59	------	19.37
27	15.95	23.39	18.78	39.45	24.93	21.26	8.03	55	45.13	49.50	------	53.04	45.60	------	20.79
28	16.42	23.86	19.14	39.45	25.04	22.09	8.15	56	47.37	51.50	------	54.69	------	------	22.33
29	16.89	24.33	19.61	39.57	25.16	22.92	8.27	57	49.85	53.75	------	56.47	------	------	24.10
30	17.36	24.81	19.96	39.69	25.40	23.74	8.39	58	52.45	55.99	------	58.47	------	------	26.11
31	17.84	25.28	20.44	39.81	25.52	24.69	8.51	59	55.28	58.59	------	60.72	------	------	28.23
32	18.31	25.87	20.91	39.93	25.75	25.75	8.62	60	58.36	61.31	------	63.08	------	------	30.60
33	18.90	26.34	21.38	40.05	25.99	26.82	8.74	61	61.66	------	------	------	------	------	33.19
34	19.49	26.93	21.85	40.16	26.22	28.00	8.86	62	65.21	------	------	------	------	------	36.15
35	20.08	27.52	22.44	40.28	26.46	29.30	8.98	63	68.99	------	------	------	------	------	39.34
36	20.79	28.11	23.04	40.52	26.82	30.71	9.10	64	73.00	------	------	------	------	------	42.88
37	21.38	28.82	23.63	40.64	27.17	32.13	9.33	65	77.37	------	------	------	------	------	46.78
38	22.21	29.53	24.22	40.87	27.52	33.78	9.45	66	82.10	------	------	------	------	------	51.15
39	22.92	30.24	24.93	41.11	27.88	35.56	9.69	67	87.18	------	------	------	------	------	55.87
40	23.74	30.95	25.63	41.46	28.47	37.56	9.92	68	92.61	------	------	------	------	------	61.07
41	24.69	31.78	26.34	41.70	28.94	39.69	10.28	69	98.40	------	------	------	------	------	66.62
42	25.52	32.60	27.17	42.05	29.53	42.05	10.51	70	104.78	------	------	------	------	------	72.77

Source of Tables 142 and 143: Veterans' Administration.

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No. 144.—GOVERNMENT LIFE INSURANCE IN FORCE AND PREMIUMS PAID

NOTE.—See general note, p. 149.

	Insurance policies in force June 30						Premiums paid during year ended June 30	
	Term insurance			Converted insurance				
	Total	Men in service	Men out of service	Total	Men in service	Men out of service	Term insurance	Converted insurance
Number:								
1923	240,291	26,725	213,566	319,774	21,557	298,217	2,466,222	1,525,324
1924	209,385	18,913	190,472	353,215	19,576	333,639	2,090,855	1,712,810
1925	177,328	12,231	165,097	375,012	21,427	353,585	1,748,753	1,880,734
1926	130,103	6,655	123,448	423,557	25,560	397,997	1,500,111	2,060,421
1927	87,100	2,351	84,749	500,880	29,588	471,292	979,318	2,440,325
1928	266		266	660,108	31,893	628,215		3,593,159
1929	229		229	649,837	30,359	619,478		3,602,351
1930	204		204	648,044	34,504	613,540		(1)
1931	91		91	645,964	36,891	609,073		(1)
Amount (1,000 dollars):								
1923	1,854,146	183,359	1,670,787	1,216,064	81,979	1,134,085	17,401	30,919
1924	1,609,030	129,805	1,479,225	1,375,543	97,956	1,277,587	14,781	35,345
1925	1,372,091	89,597	1,282,494	1,492,937	111,694	1,381,243	13,105	39,388
1926	1,008,511	52,281	956,230	1,773,076	138,284	1,634,792	10,650	44,417
1927	672,075	19,308	652,767	2,220,970	170,174	2,050,796	7,258	54,047
1928	1,654		1,654	3,111,995	181,322	2,930,673	906	71,113
1929	1,342		1,342	3,068,577	176,615	2,891,962	552	69,263
1930	1,142		1,142	3,041,601	189,269	2,852,332	1,032	67,168
1931	506		506	3,023,938	199,836	2,824,102	208	69,201

[1] Discontinued.

No. 145.—GOVERNMENT LIFE INSURANCE: CONVERTED INSURANCE ISSUED AND IN FORCE, BY PLAN

Plan	Issued to June 30, 1931					In force June 30, 1931	
	Number	Amount (1,000 dollars)	Average policy	Per cent of total		Number	Amount (1,000 dollars)
				Number	Amount		
Total	859,453	3,837,703	$4,465	100.00	100.00	645,964	3,023,938
Ordinary life	180,268	922,052	5,115	20.97	24.02	139,272	743,514
20-payment life	211,514	898,073	4,246	24.61	23.40	166,196	726,331
30-payment life	33,845	171,039	5,054	3.94	4.46	28,703	147,175
20-year endowment	218,090	579,397	2,657	25.37	15.10	123,628	303,468
30-year endowment	43,192	182,246	4,219	5.03	4.75	34,095	145,744
Endowment at age 62	41,649	199,907	4,800	4.85	5.21	34,380	166,798
Convertible term	130,895	884,989	6,761	15.23	23.06	97,439	662,047
Extended insurance						22,251	68,861

No. 146.—GOVERNMENT LIFE INSURANCE FUND: FINANCIAL STATEMENT OF FUNDS FROM ORIGIN, MAY 31, 1919, TO JUNE 30, 1931

	Total to June 30, 1931	Year ended June 30, 1931		Total to June 30, 1931	Year ended June 30, 1931
Income, total	$654,892,558	$86,816,030	Disbursements—Con.		
Premiums	523,977,321	67,040,612	Dividends	$39,321,457	$7,321,769
Interest on investments	64,269,607	7,100,672	Interest on dividend deposits	3,232	1,145
Repayments under sec. 302, World War Veterans act 1924	51,730,949	6,551,232	Payments on matured endowments	297,899	111,770
Profit on sale of investments	8,466,885	3,850,882	Balance, total	511,217,199	
Interest on loans [1]	6,369,452	2,267,598	Investment and interest	130,236,580	
Interest on premiums	78,344	5,034	Loans on adjusted service certificates	292,118,528	
Disbursements, total	143,675,359	25,951,984	Loans on policies	85,574,147	
Paid on claims	90,062,732	16,148,864	Cash on hand	3,287,944	
Paid on surrenders	13,990,039	2,368,316			

[1] Includes interest on policy loans and on adjusted service certificate loans.

Source of Tables 144, 145, and 146: Veterans' Administration.

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No. 147.—HOSPITALIZATION: VETERANS' ADMINISTRATION BENEFICIARIES, YEARS ENDED JUNE 30

NOTE.—See general note, p. 149

Groups of hospitals	Capacity	Average daily patients, period of operation	Patients remaining at expiration of year				Personnel on duty at close of year	Operating expenses	Per diem cost
			Total	Tuberculosis	Neuropsychiatric	General			
All hospitals:									
1923	-------	24,526	23,604	9,886	9,403	4,315	-------	-------	-------
1924	-------	22,158	22,726	8,831	9,875	4,020	-------	-------	-------
1925	-------	27,447	26,631	9,660	12,139	4,832	-------	-------	-------
1926	-------	27,012	25,858	7,863	12,902	5,093	-------	-------	-------
1927	-------	26,386	25,318	6,956	12,748	5,614	-------	-------	-------
1928	-------	26,372	26,139	6,542	13,057	6,540	-------	-------	-------
1929	-------	27,642	27,784	6,547	13,781	7,456	-------	-------	-------
1930	-------	29,513	30,447	6,733	15,035	8,679	-------	-------	-------
1931	-------	32,713	35,055	6,560	16,936	11,559	-------	-------	-------
Veterans' Administration hospitals:									
1923	18,693	12,264	10,429	4,773	3,438	2,218	9,889	$21,839,009	[1] $4.91
1924	15,616	11,274	11,984	4,986	5,182	1,816	10,178	19,484,142	[1] 4.55
1925	20,504	15,855	15,743	6,013	7,433	2,297	12,818	23,354,485	[1] 4.04
1926	20,483	16,589	16,241	5,299	8,462	2,480	12,662	25,321,554	[1] 4.19
1927	20,640	17,305	16,911	5,023	9,081	2,807	12,653	25,282,431	[1] 4.00
1928	21,233	17,849	17,996	4,854	10,044	3,098	13,542	26,091,386	[1] 4.00
1929	22,077	19,326	19,299	5,035	10,941	3,323	13,614	28,178,406	[1] 4.01
1930	22,508	20,259	20,782	5,136	12,034	3,612	12,297	28,520,157	[1] 3.86
1931	25,899	22,339	23,749	5,077	13,577	5,095	13,220	30,414,020	[1] 3.72
1931									
U. S. Marine hospitals	[2] 1,039	834	949	46	5	898	-------	-------	-------
U. S. Army hospitals	[2] 2,265	1,956	1,967	433	186	1,348	-------	-------	-------
U. S. Navy hospitals	[2] 3,794	3,138	3,596	168	412	3,016	-------	-------	-------
National Homes	[2] 2,252	1,907	2,252	435	1,059	758	-------	-------	-------
Interior Department hospitals	[2] 382	348	335	1	323	11	-------	-------	-------
Contract hospitals	-------	2,191	2,207	400	1,374	433	-------	-------	-------

[1] Excludes hospitals which operated for only part of year under unnatural conditions.
[2] Represents only those hospital beds made available to patients of the Veterans' Administration.

Source: Veterans' Administration.

No. 148.—ADJUSTED COMPENSATION AWARDS: NUMBER AND AMOUNT TO JUNE 30, 1931

NOTE.—Loans to veterans on adjusted-service certificates during the fiscal year ended June 30, 1931, totaled $866,985,000; loans outstanding on June 30, 1931, amounted to $1,087,196,000 and were made to 2,265,345 veterans

Branch of service and claim	Number	Amount (1,000 dollars)	Branch of service and claim	Number	Amount (1,000 dollars)
Grand total	**3,790,811**	**3,607,008**	**Navy**—Continued.		
			Dependents ($50 or over)[1]	9,371	3,818
Army, total	**3,253,955**	**3,054,074**	Certificates	448,806	477,034
Cash—			$60 lump sum payments	-------	171
Veterans ($50 or less)	122,729	4,295			
Dependents (less than $50)	6,828	186	**Marine Corps, total**	**68,721**	**71,644**
Dependents ($50 or over)[1]	92,534	32,044	Cash—		
Certificates	3,031,864	3,015,014	Veterans ($50 or less)	504	17
$60 lump sum payments	-------	2,535	Dependents (less than $50)	69	2
			Dependents ($50 or over)[1]	2,559	1,015
Navy, total	**468,135**	**481,290**	Certificates	65,589	70,520
Cash—			$60 lump sum payments	-------	90
Veterans ($50 or less)	9,441	254			
Dependents (less than $50)	517	13			

[1] Payments of $50 or more to dependents are made in 10 equal quarterly installments.

Source: Veterans' Administration.

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No. 149.—WAR PENSIONERS AND DISBURSEMENTS FOR PENSIONS

NOTE.—Provision for those participating in the World War or their dependents was made by other methods (see Tables 141 to 148) and the expenditures are not included in this table except in the case of a few individuals whose claims were based on disability or death resulting from disability of service origin prior to April 6, 1917, and after July 2, 1921. See also general note, p. 149

June 30 or year ended June 30—	Number on rolls			Disbursements for pensions	Maintenance and expenses
	Invalids	Widows, etc.	Total	In thousands of dollars	
1866	55,652	71,070	126,722	15,450	407
1870	87,521	111,165	198,686	29,351	600
1875	122,989	111,832	234,821	29,270	982
1880	145,410	105,392	250,802	56,689	935
1884	225,470	97,286	322,756	57,912	2,835
1885	247,146	97,979	345,125	65,172	3,393
1886	270,346	95,437	365,783	64,091	3,245
1887	306,298	99,709	406,007	73,753	3,753
1888	343,701	108,856	452,557	78,951	3,515
1889	373,699	116,026	489,725	88,843	3,467
1890	415,654	122,290	537,944	106,094	3,526
1891	536,821	139,339	676,160	117,313	4,701
1892	703,242	172,826	876,068	139,394	4,899
1893	759,706	206,306	966,012	156,907	4,868
1894	754,382	215,162	969,544	139,987	3,964
1895	751,456	219,068	970,524	139,812	4,338
1896	748,514	222,164	970,678	138,221	3,991
1897	747,492	228,522	976,014	139,950	3,988
1898	758,511	235,203	993,714	144,652	4,114
1899	754,104	237,415	991,519	138,462	4,148
1900	752,510	241,019	993,529	138,355	3,842
1901	748,649	249,086	997,735	138,531	3,869
1902	739,443	260,003	999,446	137,504	3,831
1903	729,356	267,189	996,545	137,760	3,993
1904	720,921	273,841	994,762	141,094	3,849
1905	717,761	280,680	998,441	141,143	3,722
1906	701,483	284,488	985,971	139,000	3,523
1907	679,937	287,434	967,371	138,155	3,309
1908	658,071	293,616	951,687	153,093	2,801
1909	632,557	313,637	946,194	161,974	2,853
1910	602,180	318,903	921,083	159,974	2,658
1911	570,050	322,048	892,098	157,325	2,517
1912	538,000	322,294	860,294	152,986	2,449
1913	503,633	316,567	820,272	174,172	2,543
1914	470,331	314,908	785,239	172,418	2,067
1915	437,448	310,699	748,147	165,518	1,780
1916	403,120	306,452	709,572	159,155	1,657
1917	369,936	303,175	673,111	160,895	1,563
1918	340,318	306,582	646,895	179,835	1,528
1919	313,140	311,287	624,427	222,159	1,433
1920	285,219	306,971	592,190	213,295	1,395
1921	267,731	298,322	566,053	258,721	1,390
1922	256,918	290,098	547,016	253,808	1,394
1923	253,686	286,070	539,756	263,013	1,992
1924	248,116	277,423	525,539	229,995	1,498
1925	244,886	267,651	512,537	217,151	1,489
1926	246,139	255,584	501,723	207,844	1,436
1927	246,194	243,748	489,942	230,153	1,327
1928	259,030	232,164	491,194	228,966	1,215
1929	259,580	218,335	477,915	229,890	1,277
1930	256,988	207,269	464,257	219,204	1,272
1931	255,562	195,871	451,433	234,420	1,374

PENSIONERS AND PENSIONS OF THE SEVERAL WARS

War	Total payments (thousands of dollars) 1790 to June 30, 1931	Number on rolls June 30—			Amount paid (thousands of dollars), year ended June 30—			Value of average pension		
		1920	1930	1931	1920	1930	1931	1920	1930	1931
Total	8,408,978	592,190	464,257	451,433	213,295	219,204	234,420	$360	$472	$519
War of the Revolution	70,000									
War of 1812	46,200	71	10	8	21	6	5	298	570	674
Indian wars	49,012	6,228	9,645	9,662	1,746	4,555	4,535	280	472	469
War with Mexico	59,813	2,571	630	547	677	395	345	263	627	631
Civil War	7,492,456	533,729	216,692	192,886	202,586	125,785	121,994	380	580	632
War with Spain	572,755	30,432	217,730	227,229	4,624	83,751	102,256	152	385	450
Regular establishment	96,946	19,031	19,491	21,048	3,604	4,697	5,270	189	241	250
World War	282	128	59	53	37	15	15	287	260	276
Unclassified	16,513									

NUMBER RECEIVING SPECIFIED MONTHLY RATES OF PENSION JUNE 30, 1931 [1]

	$20	$25	$30	$35	$40	$50	$60	$75	$100	Other rates
Regular establishment:										
Soldiers	48	37	2,468		40	436	7		11	12,842
Widows, etc	253	131	268	2	30	25	20			2,811
Civil War:										
Soldiers			6			23	4	15,554	23,461	70
Widows, etc	74	383	21,612		109,459	8,796				18
War with Spain:										
Soldiers	23,603	30,450	4,890	50,841	2,191	48,019	29,531			4,017
Widows, etc	970	22	32,046							43
Other wars:										
Soldiers	230	130	630		757	3,382				
Widows, etc	4		4,200			512				

[1] Includes pensioners under general pension laws only, excluding 51 pensioners of the World War receiving from $6 to $100 per month. In addition 16,020 persons received pensions by special legislation.

Source: Bureau of Pensions, Department of the Interior.

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No. 150.—CIVIL SERVICE RETIREMENT: SUMMARY, YEARS ENDED JUNE 30

NOTE.—Retirement for civil service employees was established by act of May 22, 1920. Under this act and amendments of July 3, 1926, and May 29, 1930 (effective July 1, 1930) employees of the classified service with competitive status, most of the principal groups of unclassified laborers, and certain other groups are eligible for retirement on annuity at the ages of 62, 65, and 70, according to the class of service, if they have rendered at least 15 years of service. The last-named act permits the optional retirement of employees two years before reaching the retirement age where they have rendered at least 30 years of service and also provides for the retirement of those in the service not less than 5 years who, before reaching the retirement age, become disabled. From the basic compensation of each employee within the scope of the acts there is deducted 3½ per cent (2½ prior to July 1, 1926) thereof for deposit to the credit of the retirement fund. All amounts deducted prior to July 1, 1930, and thereafter amounts deducted less $1 per month are credited to the employee's individual account. Under the amendment of May 29, 1930, annuities are composed of (1) a sum equal to $30 for each year of service not exceeding 30 and (2) the amount of annuity purchasable with the sum credited to the individual's account together with interest at 4 per cent per annum

[All money figures in thousands of dollars, except as indicated]

June 30 or year ended June 30—	Number of annuitants on roll			Civil service retirement and disability fund							Balance in fund June 30
				Receipts				Disbursements			
	Total	Retired for age [1]	Retired for disability	Total	Salary deductions	Interest, profits, etc.	Appropriations	Total [2]	Annuities	Refunds	
1921	6,471	(3)	(3)	12,586	12,514	73		3,100	2,591	323	9,486
1922	7,576	6,667	909	14,682	14,072	611		6,269	4,188	2,203	17,900
1923	9,334	7,994	1,340	15,156	14,113	1,043		7,674	4,964	2,786	25,382
1924	10,548	8,895	1,653	16,642	15,109	1,533		8,625	5,695	2,864	33,399
1925	11,689	9,741	1,948	20,029	17,905	2,124		8,882	6,239	2,713	44,547
1926	12,524	10,277	2,247	20,174	17,872	2,302		10,275	6,767	3,444	54,445
1927	14,119	11,353	2,766	27,168	24,187	2,982		13,576	9,598	3,862	68,038
1928	15,383	12,173	3,210	29,503	26,331	317		14,624	10,990	3,771	82,917
1929	16,501	12,924	3,577	52,520	28,016	4,554	19,950	15,994	12,005	4,067	119,442
1930	17,768	13,774	3,994	55,447	28,915	6,032	20,500	18,343	13,108	5,049	156,546
1931	22,650	16,731	4,947	58,277	29,698	7,578	21,000	24,448	19,860	4,160	190,375

	1930	1931
Number on the roll June 30 by—		
Sex—		
Male	16,314	20,783
Retired for age	11,705	14,381
Retired for disability	3,429	4,212
Involuntary separation	1,180	1,285
30 years' service		905
Female	1,454	1,867
Retired for age	799	976
Retired for disability	565	735
Involuntary separation	90	89
30 years' service		67
Departments—		
State	6	13
Treasury	1,590	2,041
War	1,755	2,001
Justice	43	50
Post Office	9,672	12,229
Navy	2,303	3,133
Interior	718	775
Agriculture	369	539
Commerce	193	242
Labor	89	108
District of Columbia	104	190
Government Printing Office	547	699
Superintendent of Public Buildings and Parks	74	115
Interstate Commerce Commission	16	20
Veterans' Bureau	54	132
Architect of the Capitol	13	39
Library of Congress	20	30
General Accounting Office	123	132
Smithsonian Institution	19	37
All others	60	125

	1930	1931
Number on the roll June 30 by—		
Vocations—		
Mechanics	3,750	4,923
City letter carriers	3,305	4,153
Rural letter carriers	2,864	3,483
Post-office clerks	1,651	2,244
Railway postal clerks	1,356	1,699
Departmental and other	3,522	4,250
Laborers, classified and unclassified	1,094	1,519
Hazardous occupations and tropical service	226	379
Rates per annum—		
Less than $100	12	2
$100-$199	127	19
$200-$299	437	149
$300-$399	842	428
$400-$499	1,643	849
$500-$599	1,678	1,487
$600-$699	1,735	1,782
$700-$799	2,074	1,592
$800-$899	2,672	2,000
$900-$999	[4] 1,919	2,649
$1,000-$1,099	[5] 4,629	2,248
$1,100-$1,199		1,819
$1,200		7,441
$1,201-$1,299		185
Average annual rate	$759	$952
Average value of retirement roll	13,493	21,563

[1] Includes involuntary separation not tabulated separately prior to 1930.
[2] Total after taking into consideration certain accounting office adjustments not shown separately.
[3] Not available.
[4] Number receiving $900 to $999.96.
[5] Receiving, the maximum $999.96.

Source: Veterans' Administration.

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No. 151.—EXECUTIVE CIVIL SERVICE AND THE MERIT SYSTEM

June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees	June 30—	Approximate number of employees	Approximate number of classified employees
1816	6,327		1895	189,000	54,222	1922	560,863	420,688
1821	8,211		1901	256,000	106,205	1923	548,531	411,398
1831	19,800		1905	349,000	171,807	1924	554,986	415,593
1841	23,700		1911	370,000	227,657	1925	564,718	423,538
1851	33,300		1913	443,605	282,597	1926	560,705	422,300
1861	49,200		1915	461,993	292,296	1927	559,138	422,998
1871	53,900		1916	438,057	296,926	1928	568,715	431,763
1881	107,000		1918 (Nov. 11)	917,760	642,432	1929	587,665	445,957
1884 (Jan. 15)		13,780	1920 (July 31)	691,116	497,603	1930	608,915	462,083
1891	166,000	33,873	1921 (July 31)	597,482	448,112	1931	616,837	468,050

No. 152.—EMPLOYEES IN THE FEDERAL EXECUTIVE CIVIL SERVICE

NOTE.—Does not include legislative or judicial services nor the commissioned, warranted, or enlisted personnel of the military, naval, Marine Corps, or Coast Guard services. The government of the District of Columbia is also not included

Department or office	Total				Dec. 31, 1931				
	June 30, 1916	July 31, 1921	Dec. 31, 1926	Dec. 31, 1930	Total	In District of Columbia		Outside District of Columbia	
						Male	Female	Male	Female
Total	438,057	597,482	546,341	595,456	606,368	41,415	28,020	473,348	63,597
Department of State	2,783	3,733	4,270	4,858	4,944	433	391	3,036	1,084
Department of the Treasury	30,629	73,230	51,519	50,475	52,526	5,585	7,842	32,238	6,861
Department of War	37,695	68,544	37,076	44,263	46,360	2,224	1,904	36,742	5,490
Department of Justice	2,610	3,081	3,671	7,913	9,002	818	479	6,107	1,598
Post Office Department	250,885	288,575	[1] 308,164	[1] 315,724	[1] 315,528	3,349	892	284,205	[2] 27,082
Department of the Navy	35,722	69,749	42,506	47,393	47,304	5,250	1,209	38,670	2,175
Department of the Interior	19,347	19,705	12,201	14,594	14,983	2,117	1,216	8,944	2,705
Department of Agriculture	18,736	19,179	20,624	26,050	28,127	3,397	2,479	18,759	3,492
Department of Commerce	9,903	13,046	14,537	24,010	20,709	4,451	3,128	12,136	994
Department of Labor	2,504	3,833	4,041	5,064	5,563	408	430	3,963	762
Government Printing Office	4,028	4,464	4,142	4,828	5,043	4,042	1,001		
Smithsonian Institution	784	487	488	545	566	424	142		
Interstate Com. Com'n	2,243	1,919	1,856	2,386	2,379	1,242	368	742	27
Civil Service Commission	250	385	444	634	624	162	262	124	76
Bureau of Efficiency	27	55	51	45	44	31	13		
Federal Trade Commission	238	318	302	492	530	326	164	20	11
Shipping Board [3]		6,575	1,551	1,170	968	398	263	239	78
Alien Property Custodian		162	233	145	127	69	58		
Tariff Commission		99	231	265	335	149	106	114	16
Employees' Comp. Com'n		79	68	177	178	40	76	25	37
Fed. Bd. for Voca'l Education		6,411	69	83	84	39	45		
The Panama Canal	19,291	9,355	9,690	10,913	10,200	66	13	9,603	518
Public Buildings and Parks of the National Capital	217	1,229	2,274	2,874	3,193	2,523	670		
General Accounting Office		1,544	1,984	1,966	2,002	1,248	754		
Veterans' Administration			23,587	27,320	33,607	2,079	3,629	17,352	10,547
Railroad Administration [4]		1,327	95	14	11	8	3		
War Finance Corporation [4]		[5]	106	11	2	1	1		
National Advisory Committee for Aeronautics		[5]	164	277	315	22	21	249	23
Federal Reserve Board [4]	[5]	[5]	204	199	202	91	92	19	
Board of Tax Appeals			109	151	147	63	84		
Miscellaneous	165	322	84	617	715	370	285	50	10

	June 30, 1916	Nov. 11, 1918	July 31, 1921	Dec. 31, 1926	Dec. 31, 1929	Dec. 31, 1930	Dec. 31, 1931
Total	438,057	[2] 917,760	597,482	546,341	589,145	595,456	606,368
In District of Columbia	39,442	117,760	78,865	59,569	63,946	71,189	69,435
Outside District of Columbia	398,615	[2] 800,000	518,617	486,772	525,199	524,267	536,933

[1] Does not include clerks at fourth-class offices (32,984 in 1931), who are employed and paid by the postmaster, and mail messengers (22,176 in 1931), because not included in previous computations.
[2] Approximate.
[3] Figures include administrative offices of Emergency Fleet Corporation but not workmen at shipyards or in warehouses or employees on vessels.
[4] Positions not subject to the civil service act.
[5] Separate figures not available. Included in miscellaneous.

Source of Tables 151 and 152: The Civil Service Commission.

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No. 153.—CIVIL SERVICE: Number of Persons Examined by the Civil Service Commission, Number and Per Cent Who Passed, Number Appointed, and Approximate Number of Competitive Positions

Year ended June 30—	Total						Post office service [1]				Railway Mail Service [2]				All other services			
	Classified competitive positions [3]	Examined	Passed	Per cent that passed	Appointed	Per cent appointed of those that passed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed	Classified competitive positions [3]	Examined	Passed	Appointed
1885 [4]	15,590	6,347	4,141	65.2	1,800	43.5	7,500	3,233	2,262	1,249					8,090	3,114	1,879	551
1890	30,626	22,994	13,947	60.7	5,182	37.2	13,097	11,193	6,904	2,850	5,836	4,463	3,129	1,400	11,693	7,338	3,914	932
1895	48,317	31,036	19,811	63.8	4,793	24.2	25,000	19,438	12,802	3,348	7,045	4,641	3,107	643	16,272	6,957	3,902	802
1900	94,893	46,602	34,965	75.0	9,889	28.3	37,000	16,584	11,447	3,931	8,696	4,488	3,844	736	49,197	25,530	19,674	5,222
1905	171,807	143,053	111,741	78.1	38,996	34.9	81,596	52,550	41,978	16,297	12,171	6,972	4,218	1,558	78,040	83,531	65,545	21,141
1909	234,940	158,484	123,449	77.9	40,943	33.2	122,711	57,568	45,468	11,441	15,967	15,724	11,336	1,392	96,262	85,192	66,645	28,110
1910	222,278	115,644	87,769	75.9	43,585	49.7	126,131	37,253	30,170	11,812	16,956	52	39	2,271	79,191	78,339	57,560	29,502
1911	227,657	105,024	70,159	66.8	23,256	33.2	127,228	42,750	34,149	9,328	17,428	8,972	6,760	1,982	83,001	53,302	29,250	11,946
1912	217,392	106,078	59,251	55.9	20,969	35.4	115,905	40,256	26,133	8,706	18,297	11,273	3,036	770	83,190	54,549	30,082	11,493
1913	282,597	141,905	94,390	66.5	[5] 35,154	37.2	161,846	59,181	39,810	14,905	19,620	18,340	9,616	1,270	101,131	64,384	44,964	18,979
1914	292,460	215,587	147,526	68.4	[5] 41,935	28.4	165,646	103,678	76,257	19,606	22,679	27,664	19,665	2,941	104,135	84,245	51,604	19,388
1915	292,296	167,795	114,632	68.3	[5] 36,398	31.8	166,328	70,734	52,586	13,682	21,769	33	17	146	104,199	97,028	62,029	22,570
1916	296,926	154,722	113,980	73.7	42,057	36.9	166,375	72,122	55,614	17,729	20,989	1	1	28	109,562	82,599	58,365	24,300
1917	326,899	212,114	156,927	74.0	86,312	55.0	167,639	51,416	38,560	19,569	21,191	13,975	10,433	43	138,069	146,723	107,934	66,700
1918	642,432	551,391	387,963	70.4	213,530	55.0	188,201	56,268	41,309	29,572	20,538	2,927	1,867	8,297	433,693	492,196	344,787	175,661
1919	569,745	438,259	299,826	68.4	179,533	59.9	190,081	58,459	41,433	29,949	20,833	9,930	6,489	1,291	358,831	369,870	251,904	148,293
1920	497,603	293,327	193,905	66.1	116,309	60.0	196,449	58,922	39,667	17,181	21,717	12,866	7,571	4,269	279,437	221,539	146,667	94,859
1921	448,112	303,309	203,209	67.0	101,711	50.1	205,352	114,033	74,977	32,601	22,320	15,803	9,849	6,044	220,440	173,473	118,383	63,066
1922	420,688	206,007	128,952	62.6	63,867	49.5	209,533	70,120	43,984	25,186	22,227	12,890	8,694	910	188,928	122,997	76,274	37,771
1923	411,398	204,200	122,918	60.2	57,694	46.9	212,078	61,122	40,583	22,286	22,052	23,642	12,512	998	177,268	119,436	69,823	34,410
1924	415,593	222,915	133,506	59.9	68,287	51.1	222,276	77,862	52,575	27,237	22,073	25,510	10,969	2,129	171,244	119,543	69,962	38,921
1925	423,538	201,415	122,495	60.8	50,164	40.9	226,801	77,978	50,647	20,560	22,340	60	33	629	174,397	123,377	71,815	28,975
1926	422,300	202,846	105,964	52.2	36,992	34.9	230,021	89,835	42,591	16,561	22,340	113	87	280	169,939	112,898	63,286	20,151
1927	422,998	257,401	126,118	49.0	38,777	30.7	232,244	98,423	45,080	17,560	22,281	29,481	15,717	708	168,473	129,497	65,321	20,509
1928	431,763	236,997	123,830	52.2	37,796	30.5	238,449	100,576	49,279	15,720	21,343	194	90	785	171,971	136,227	74,461	21,291
1929	445,957	243,510	125,726	51.6	44,817	35.6	241,394	96,276	44,986	16,875	21,379	12	6	833	183,184	147,222	80,734	27,109
1930	462,083	267,429	132,991	49.7	38,281	28.8	250,525	80,115	39,665	13,560	21,443	10,645	3,895	721	190,115	176,669	89,431	24,000
1931	468,050	241,304	116,745	48.4	38,461	32.9	253,898	51,314	26,488	8,905	21,477	10	6	825	192,675	189,980	90,251	28,731
Total from July 16, 1883		6,587,122	4,255,215	64.6	1,811,582	42.6		2,181,639	1,418,888	572,408		338,052	206,972	61,630		4,067,431	2,629,355	1,177,544

[1] Includes clerks, city carriers, village carriers, and employees in motor-vehicle service at classified post offices, rural carriers, fourth-class postmasters, and seapost clerks.
[2] Railway mail clerks, classified May 1, 1889. [3] At close of year or period; approximated. [4] Jan. 16, 1884, to Jan. 15, 1885.
[5] The large increase in field service figures for 1913 is due to the inclusion of navy-yard artisans' positions to the number of about 16,000 in the competitive classified service.
[6] 11,635 fourth-class postmasters, appointed in 1914 and 18,238 in 1915, under the Executive order of May 7, 1913, requiring examinations at offices whose incumbents had not been appointed under the regulations, are not included in this table.

Source: The Civil Service Commission.

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No. 154.—POPULAR VOTE FOR PRESIDENTIAL ELECTORS: BY PRINCIPAL POLITICAL PARTIES, TOTALS, 1888 TO 1928, AND BY STATES, 1928

NOTE.—The column "miscellaneous independent" represents so-called independent, progressive, and farmer-labor parties variously designated as follows: 1888, Union Labor Party; 1892, 1900, and 1904, Populist; 1896, National Democrat; 1908, Populist and Independent; 1912 and 1916, Progressive; 1920 and 1928, Farmer-Labor. In 1924, column represents votes for La Follette-Wheeler electors, variously designated under party names as Independent Progressive, Progressive, Socialist, Socialist and Independent, Farmer-Labor, etc.

State	Republican	Democrat	Socialist and Socialist-Labor	Miscellaneous independent[1]	Prohibition	Total[2]
1888	5,444,337	5,540,050		146,897	250,124	11,381,408
1892	5,190,802	5,554,414		1,027,329	271,058	12,043,603
1896	7,035,638	[3] 6,467,946	[4] 36,454	131,529	141,676	13,813,243
1900	7,219,530	6,358,071	127,519	50,232	209,166	13,964,518
1904	7,628,834	5,084,491	436,184	114,753	259,257	13,523,519
1908	7,679,006	6,409,106	434,645	111,693	252,683	14,887,133
1912	3,483,922	6,286,214	926,090	4,126,020	208,923	15,031,169
1916	8,538,221	9,129,606	598,516	41,894	220,506	18,528,743
1920	16,152,200	9,147,353	950,974	285,411	189,408	26,705,346
1924	15,725,003	8,385,586	[4] 27,650	[1] 4,826,471	57,551	29,022,261
1928	21,392,190	15,016,443	289,023	6,390	20,106	36,879,414
Alabama	120,725	127,797	460			248,982
Arizona	52,533	38,537				91,254
Arkansas	77,751	119,196	429			197,693
California	1,162,323	614,365	19,595			1,796,656
Colorado	253,872	133,131	3,472	1,092		392,242
Connecticut	296,614	252,040	3,641			553,031
Delaware	68,860	36,643	329			105,891
Florida	144,168	101,764	4,036			253,674
Georgia	63,498	129,602	124			[5] 229,159
Idaho	99,848	53,074	1,308			154,230
Illinois	1,769,141	1,313,817	20,950			3,107,489
Indiana	848,290	562,691	4,516		5,496	1,421,314
Iowa	623,818	378,936	3,190	3,088		1,009,362
Kansas	513,672	193,003	6,205			713,200
Kentucky	558,064	381,070	1,177			940,604
Louisiana	51,160	164,655				215,833
Maine	179,923	81,179	1,068			262,171
Maryland	301,479	223,626	[6] 2,607			528,348
Massachusetts	775,566	792,758	7,035			1,577,827
Michigan	965,396	396,762	4,315		2,728	1,372,082
Minnesota	560,977	396,451	[6] 8,695			970,976
Mississippi	27,153	124,539				151,692
Missouri	834,080	662,562	4,079			1,500,721
Montana	113,300	78,578	1,667			194,108
Nebraska	345,745	197,959	3,434			547,138
Nevada	18,327	14,090				32,417
New Hampshire	115,404	80,715	455			196,747
New Jersey	926,050	616,517	5,397		160	1,549,381
New Mexico	69,645	48,211				118,014
New York	2,193,344	2,089,863	111,543			4,466,072
North Carolina	348,992	287,078				636,070
North Dakota	131,441	106,648	842			239,867
Ohio	1,627,546	864,210	10,198		3,556	2,508,346
Oklahoma	394,046	219,174	3,924	1,283		618,427
Oregon	205,341	109,223	4,284			319,942
Pennsylvania	2,055,382	1,067,586	[6] 19,027		3,880	3,150,615
Rhode Island	117,522	118,973	416			242,784
South Carolina	3,188	62,700	47			[5] 68,605
South Dakota	157,603	102,660	443	927		261,865
Tennessee	195,388	167,343	631			363,473
Texas	367,036	341,032	722			708,999
Utah	94,618	80,985	954			176,608
Vermont	90,404	44,440			338	135,194
Virginia	164,609	140,146	430			305,351
Washington	335,844	156,772	6,683			500,840
West Virginia	375,551	263,784	1,313		1,703	642,752
Wisconsin	544,205	450,259	18,594		2,245	1,016,872
Wyoming	52,748	29,299	788			84,496

[1] See headnote.

[2] Figures prior to 1928 do not include votes cast for names not appearing on the electoral tickets specified in the table. In 1928 they represent the entire vote cast, including 48,770 votes (35 States) cast for the Workers electors and 67,951 scattering, defective, blank, and void ballots.

[3] Democrat-Populist.

[4] Socialist-Labor only. In 1924 practically all the Socialist vote is included in votes in next column for La Follette and Wheeler, official candidates of the Socialist Party as well as the Independent Progressive.

[5] Total for Georgia includes 35,871 anti-Smith votes; for South Carolina, 2,670.

[6] Maryland includes 906 Labor votes; Minnesota and Pennsylvania, 1,921 and 380 Industrial votes, respectively.

Sources: 1888–1920, reports of State officials on file in the Department of State; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

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No. 155.—ELECTORAL VOTE FOR PRESIDENT: BY PRINCIPAL POLITICAL PARTIES AND BY STATES, 1908 TO 1928

NOTE.—In 1924, the 13 electoral votes of Wisconsin were cast for La Follette and Wheeler, Independent Progressive candidates

State	1908		1912			1916		1920		1924		1928	
	Republican	Democratic	Republican	Democratic	Progressive	Republican	Democratic	Republican	Democratic	Republican	Democratic	Republican	Democratic
Total	321	162	8	435	88	254	277	404	127	382	136	444	87
Plurality	159	.....	.....	347	.....	.....	23	277	.....	246	.....	357	.....
Alabama	.....	11	.....	12	.....	.....	12	.....	12	.....	12	.....	12
Arizona	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
Arkansas	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
California	10	.....	.....	2	11	.....	13	13	.....	13	.....	13	.....
Colorado	.....	5	.....	6	.....	.....	6	6	.....	6	.....	6	.....
Connecticut	7	.....	.....	7	.....	7	.....	7	.....	7	.....	7	.....
Delaware	3	.....	.....	3	.....	3	.....	3	.....	3	.....	3	.....
Florida	.....	5	.....	6	.....	.....	6	.....	6	.....	6	6	.....
Georgia	.....	13	.....	14	.....	.....	14	.....	14	.....	14	.....	14
Idaho	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
Illinois	27	.....	.....	29	.....	29	.....	29	.....	29	.....	29	.....
Indiana	15	.....	.....	15	.....	15	.....	15	.....	15	.....	15	.....
Iowa	13	.....	.....	13	.....	13	.....	13	.....	13	.....	13	.....
Kansas	10	.....	.....	10	.....	.....	10	10	.....	10	.....	10	.....
Kentucky	.....	13	.....	13	.....	.....	13	.....	13	13	.....	13	.....
Louisiana	.....	9	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Maine	6	.....	.....	6	.....	6	.....	6	.....	6	.....	6	.....
Maryland	2	6	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Massachusetts	16	.....	.....	18	.....	18	.....	18	.....	18	.....	.....	18
Michigan	14	.....	.....	.....	15	15	.....	15	.....	15	.....	15	.....
Minnesota	11	.....	.....	.....	12	12	.....	12	.....	12	.....	12	.....
Mississippi	.....	10	.....	10	.....	.....	10	.....	10	.....	10	.....	10
Missouri	18	.....	.....	18	.....	.....	18	18	.....	18	.....	18	.....
Montana	3	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
Nebraska	.....	8	.....	8	.....	.....	8	8	.....	8	.....	8	.....
Nevada	.....	3	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New Hampshire	4	.....	.....	4	.....	.....	4	4	.....	4	.....	4	.....
New Jersey	12	.....	.....	14	.....	14	.....	14	.....	14	.....	14	.....
New Mexico	.....	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....
New York	39	.....	.....	45	.....	45	.....	45	.....	45	.....	45	.....
North Carolina	.....	12	.....	12	.....	.....	12	.....	12	.....	12	12	.....
North Dakota	4	.....	.....	5	.....	.....	5	5	.....	5	.....	5	.....
Ohio	23	.....	.....	24	.....	.....	24	24	.....	24	.....	24	.....
Oklahoma	.....	7	.....	10	.....	.....	10	10	.....	.....	10	10	.....
Oregon	4	.....	.....	5	.....	5	.....	5	.....	5	.....	5	.....
Pennsylvania	34	.....	.....	.....	38	38	.....	38	.....	38	.....	38	.....
Rhode Island	4	.....	.....	5	.....	5	.....	5	.....	5	.....	.....	5
South Carolina	.....	9	.....	9	.....	.....	9	.....	9	.....	9	.....	9
South Dakota	4	.....	.....	.....	5	5	.....	5	.....	5	.....	5	.....
Tennessee	.....	12	.....	12	.....	.....	12	12	.....	.....	12	12	.....
Texas	.....	18	.....	20	.....	.....	20	.....	20	.....	20	20	.....
Utah	3	.....	4	.....	.....	.....	4	4	.....	4	.....	4	.....
Vermont	4	.....	4	.....	.....	4	.....	4	.....	4	.....	4	.....
Virginia	.....	12	.....	12	.....	.....	12	.....	12	.....	12	12	.....
Washington	5	.....	.....	.....	7	.....	7	7	.....	7	.....	7	.....
West Virginia	7	.....	.....	8	.....	7	1	8	.....	8	.....	8	.....
Wisconsin	13	.....	.....	13	.....	13	.....	13	.....	(1)	(1)	13	.....
Wyoming	3	.....	.....	3	.....	.....	3	3	.....	3	.....	3	.....

[1] See headnote.

Sources: 1908 to 1920, Journal of the Senate, Washington, D. C; 1924 and 1928, data compiled by William Tyler Page, Clerk of the House of Representatives.

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No. 156.—APPORTIONMENT OF CONGRESSIONAL REPRESENTATION

NOTE.—The ratio given at the head of each column indicates the number of inhabitants per Member of the House of Representatives fixed by Congress as the basis of determining the number of Representatives per State. No apportionment under Census of 1920

State	Ratios under Constitution and censuses														
	Constitution	1790	1800	1810	1820	1830	1840	1850 [1]	1860 [2]	1870 [3]	1880	1890	1900	1910	1930
	30,000	33,000	33,000	35,000	40,000	47,700	70,680	93,423	127,381	131,425	151,911	173,901	194,182	211,877	279,712
	Representation														
Total	65	106	142	186	213	242	232	237	243	293	332	357	391	435	435
Alabama				[4]1	3	5	7	7	6	8	8	9	9	10	9
Arizona														[5]1	1
Arkansas						[4]1	1	2	3	4	5	6	7	7	7
California							[4]2	2	3	4	6	7	8	11	20
Colorado										[4]1	1	2	3	4	4
Connecticut	5	7	7	7	6	6	4	4	4	4	4	4	5	5	6
Delaware	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
Florida							[4]1	1	1	2	2	3	4	5	5
Georgia	3	2	4	6	7	9	8	8	7	9	10	11	11	12	10
Idaho											[4]1	1	1	2	2
Illinois				[4]1	1	3	7	9	14	19	20	22	25	27	27
Indiana				[4]1	3	7	10	11	11	13	13	13	13	13	12
Iowa							[4]2	2	6	9	11	11	11	11	9
Kansas									1	3	7	8	8	8	7
Kentucky		2	6	10	12	13	10	10	9	10	11	11	11	11	9
Louisiana				[4]1	3	3	4	4	5	6	6	6	7	8	8
Maine				[6]7	7	8	7	6	5	5	4	4	4	4	3
Maryland	6	8	9	9	9	8	6	6	5	6	6	6	6	6	6
Massachusetts	8	14	17	13	13	12	10	11	10	11	12	13	14	16	15
Michigan						[4]1	3	4	6	9	11	12	12	13	17
Minnesota								[4]2	2	3	5	7	9	10	9
Mississippi				[4]1	1	2	4	5	5	6	7	7	8	8	7
Missouri					1	2	5	7	9	13	14	15	16	16	13
Montana											[4]1	1	1	2	2
Nebraska									[4]1	1	3	6	6	6	5
Nevada									[4]1	1	1	1	1	1	1
New Hampshire	3	4	5	6	6	5	4	3	3	3	2	2	2	2	2
New Jersey	4	5	6	6	6	6	5	5	5	7	7	8	10	12	14
New Mexico														[5]1	1
New York	6	10	17	27	34	40	34	33	31	33	34	34	37	43	45
North Carolina	5	10	12	13	13	13	9	8	7	8	9	9	10	10	11
North Dakota											[4]1	1	2	3	2
Ohio			[4]1	6	14	19	21	21	19	20	21	21	21	22	24
Oklahoma													[4]5	8	9
Oregon								[4]1	1	1	1	2	2	3	3
Pennsylvania	8	13	18	23	26	28	24	25	24	27	28	30	32	36	34
Rhode Island	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2
South Carolina	5	6	8	9	9	9	7	6	4	5	7	7	7	7	6
South Dakota											[4]2	2	2	3	2
Tennessee		[4]1	3	6	9	13	11	10	8	10	10	10	10	10	9
Texas							[4]2	2	4	6	11	13	16	18	21
Utah												[4]1	1	2	2
Vermont		2	4	6	5	5	4	3	3	3	2	2	2	2	1
Virginia	10	19	22	23	22	21	15	13	11	9	10	10	10	10	9
Washington											[4]1	2	3	5	6
West Virginia										3	4	4	5	6	6
Wisconsin							[4]2	3	6	8	9	10	11	11	10
Wyoming											[4]1	1	1	1	1

[1] Membership increased from 233 to 234 by act of July 30, 1852. (10 Stat. L., 25.)
[2] Membership increased from 233 to 241 by act of Mar. 4, 1862. (12 Stat. L., 353.)
[3] Membership originally fixed at 283 but increased by act of May 30, 1872, to 292. (17 Stat. L., 192.)
[4] Assigned after apportionment.
[5] Included in apportionment act in anticipation of its becoming a State.
[6] Included in the 20 Members originally assigned to Massachusetts, but credited to Maine, after its admission as a State, Mar. 15, 1820. (3 Stat. L., 555.)

Source: Reports of the Bureau of the Census, Department of Commerce.

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9. NATIONAL GOVERNMENT FINANCES

General note as to bases used in compiling statistics of receipts and expenditures of the United States Government.—Four different bases are used in compiling both the receipts and expenditures of the Government. These bases, in the case of receipts, are the daily Treasury statements (unrevised and revised), warrants issued, and collections reported. The expenditures of the Government are published on the first three of these bases and also on the basis of checks issued. Figures in the daily Treasury statements (unrevised) which are on a current cash basis are compiled from the latest daily reports from the Treasury offices or public depositories. Owing to the distance of some of these offices and depositories from the Treasury, reports from them are somewhat delayed in reaching the Treasury, and consequently it is necessary to issue the unrevised Treasury statements before they are received. In order to show the actual receipts and expenditures for any month or year, it is necessary to take into account these delayed reports. The figures for actual transactions during a month or year which are calculated by the use of these reports are said to be on a basis of daily Treasury statements (revised). The unrevised figures are the basis of the Budget estimates submitted to Congress by the President.

It is provided by law that warrants shall be issued by the Secretary of the Treasury in acknowledgment of money received, and that warrants must be drawn by the Secretary of the Treasury for all disbursements of money. Some of these warrants for expenditures do not represent actual payments but are merely advances of credit to disbursing officers, who then issue checks in payment of Government obligations. Expenditures on the basis of warrants issued include unexpended balances to the credit of disbursing officers at the end of the year but do not include expenditures made during the year from unexpended balances of the preceding year. For 1923 to 1926, certain receipts credited direct to appropriations were not included in total receipts shown on a warrant basis (though included in cash receipts) but instead operated to reduce expenditures; subsequently they were credited to receipts. Under normal conditions the unexpended balances of disbursing offices vary comparatively little from year to year, and other adjustments are small, but during a war period or a period of postwar adjustments differences in these items may be large and may cause marked discrepancies between figures shown on a cash as compared with a warrant basis. For example, the liquidation of the War Finance Corporation has caused some very large differences between figures of Government expenditures on these bases during the past decade.

Expenditures on the basis of checks issued (Table 163) represent most accurately the actual expenditures during any given year. They differ from expenditures shown by daily Treasury statements (revised), because they include checks outstanding at the end of the year and exclude unpaid checks at the beginning of the year.

All figures for receipts and expenditures include the figures of postal surpluses or deficiencies only and consequently leave out the gross figures of postal revenues and expenditures.

No. 157.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: SUMMARY

NOTE.—Figures are on the "current cash" basis shown by daily Treasury statements, unrevised

[All figures in millions and tenths of millions of dollars]

Year ended June 30—	Ordinary receipts					Expenditures chargeable against ordinary receipts			Surplus (+) or deficit (−)
	Total	Customs (including tonnage tax)	Income and profits tax	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements	
1916	782.5	213.2	124.9	387.8	56.6	734.1	734.1	----------	+48.5
1917	1,124.3	226.0	359.7	449.7	89.0	1,977.7	1,977.7	----------	−853.4
1918	3,664.6	180.0	2,314.0	872.0	298.6	12,697.3	12,696.7	1.1	−9,033.3
1919	5,152.3	184.5	3,018.8	1,296.5	652.5	18,522.9	18,514.9	8.0	−13,370.6
1920	6,694.6	322.9	3,944.9	1,460.1	966.6	6,482.1	6,403.3	78.7	+212.5
1921	5,624.9	308.6	3,206.0	1,390.4	719.9	5,538.2	5,115.9	422.3	+86.7
1922	4,109.1	356.4	2,068.1	1,145.1	539.4	3,795.3	3,372.6	422.7	+313.8
1923	4,007.1	561.9	1,678.6	945.9	820.7	3,697.5	3,294.6	402.9	+309.7
1924	4,012.0	545.6	1,842.1	953.0	671.3	3,506.7	3,048.7	458.0	+505.4
1925	3,780.1	547.6	1,760.5	828.6	643.4	3,529.6	3,063.1	466.5	+250.5
1926	3,962.8	579.4	1,982.0	855.6	545.7	3,585.0	3,097.6	487.4	+377.8
1927	4,129.4	605.5	2,225.0	844.4	654.5	3,493.6	2,974.0	519.6	+635.8
1928	4,042.3	569.0	2,174.0	621.0	678.4	3,643.5	3,103.3	540.3	+398.8
1929	4,033.3	602.3	2,330.7	607.3	493.0	3,848.5	3,298.9	549.6	+184.8
1930	4,177.9	587.0	2,411.0	628.3	551.6	3,994.2	3,440.3	553.9	+183.8
1931	3,317.2	378.4	1,860.4	569.4	509.1	4,220.0	3,779.9	440.1	−902.7
1932	2,121.2	327.8	1,057.3	503.7	232.5	5,006.6	4,594.0	412.6	−2,885.4

Source: Annual Report of the Secretary of the Treasury.

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No. 158.—RECEIPTS AND EXPENDITURES OF THE GOVERNMENT

NOTE.—In thousands of dollars. Figures are on the basis of warrants issued (net); see general note, p. 160

Yearly average or year ended June 30—	Ordinary receipts	Expenditures chargeable against ordinary receipts		Surplus (+) or deficit (−)	Public-debt receipts, proceeds of bonds, and other securities [1]	Public-debt retirements chargeable against public-debt receipts and surplus revenues [1]	Postal revenues, excluding surplus postal receipts covered into the Treasury [2]	Postal expenditures, excluding postal deficiencies [2]
		Ordinary expenditures	Public-debt retirements					
1791–1800	6,765	6,835		−70	2,726	2,394	138	127
1801–1810	13,055	9,086		+3,969	[3] 296	4,261	403	390
1811–1820	21,032	23,942		−2,910	11,095	8,325	862	823
1821–1830	21,923	16,161		+5,762	[3] 1,500	6,780	1,400	1,415
1831–1840	30,460	24,494		+5,966	[3] 2,516	[3] 5,932	3,347	3,272
1841–1850	27,117	32,392		−5,275	[3] 12,559	6,762	4,391	4,359
1851–1860	60,237	60,162		+75	7,306	7,698	6,798	6,947
1861–1865	160,907	683,785		−522,878	776,719	254,381	10,961	10,357
1866–1870	447,300	377,642		+69,658	330,503	377,607	16,422	17,443
1871–1875	336,830	287,459		+49,370	89,352	148,818	23,642	23,661
1876–1880	288,124	255,598		+32,526	227,036	238,662	29,762	29,253
1881–1885	366,961	257,691		+109,270	61,348	167,671	42,011	42,466
1884	348,520	244,126		+104,394	1,405	101,266	43,326	47,233
1885	323,691	260,227		+63,464	58	46,043	42,561	45,509
1886	336,440	242,483		+93,957	40	44,584	43,948	42,823
1887	371,403	267,932		+103,471	41	127,959	43,338	46,481
1888	379,266	267,925		+111,341	49	74,862	52,695	53,412
1889	387,050	299,289		+87,761	24	121,289	56,176	58,476
1890	403,081	318,041		+85,040	22	104,664	60,882	59,408
1891	392,612	365,774		+26,839	14	101,003	65,932	68,341
1892	354,938	345,023		+9,914	15	24,348	70,930	72,990
1893	385,820	383,478		+2,342	23	710	75,897	75,667
1894	306,355	367,525		−61,170	50,014	256	75,080	76,808
1895	324,729	356,195		−31,466	81,165	2,495	76,983	76,197
1896	338,142	352,179		−14,037	131,169	7,294	82,499	81,643
1897	347,722	365,774		−18,052	3	11,379	82,665	82,948
1898	405,321	443,369		−38,047	6	29,942	89,013	87,563
1899	515,961	605,072		−89,112	199,201	14,622	95,021	93,440
1900	567,241	520,861		+46,380	118	22,790	102,355	100,534
1901	587,685	524,617		+63,068	4	36,113	111,631	110,658
1902	562,478	485,234		+77,244	2	56,224	121,848	122,407
1903	561,881	517,006		+44,875	2	16,609	134,224	136,043
1904	541,087	583,660		−42,573	3	18,623	143,583	145,893
1905	544,275	567,279		−23,004	3	605	152,827	152,355
1906	594,984	570,202		+24,782	2	245	167,933	165,802
1907	665,860	579,129		+86,732	30,005	30,373	183,585	182,648
1908	601,862	659,196		−57,334	40,068	34,357	191,479	195,501
1909	604,320	693,744		−89,423	30,000	15,435	203,562	201,541
1910	675,512	693,617		−18,105		761	224,129	221,515
1911	701,833	691,202		+10,631	17,642	246	237,880	237,661
1912	692,609	689,881		+2,728	32,818	121	246,744	246,961
1913	724,111	724,512		−401	1,930	103	266,620	261,082
1914	734,673	735,081		−408	3,119	109	284,135	283,558
1915	697,911	760,587		−62,676	934	48	283,748	291,945
1916	782,535	741,997		+40,538	1,804	36	312,058	300,728
1917	1,124,325	2,086,042		−961,717	2,390,725	636,981	324,526	319,890
1918	4,180,425	13,791,908		−9,611,483	16,964,610	7,685,268	340,345	322,628
1919	4,654,381	18,952,141		−14,297,760	29,053,332	15,813,848	346,333	362,161
1920	6,704,414	6,141,745		+562,669	15,335,274	17,013,020	431,937	418,607
1921	5,584,517	4,468,713	422,562	+693,242	8,824,739	8,721,752	463,491	459,506
1922	4,103,597	3,195,685	422,353	+485,559	5,910,931	6,500,585	484,772	481,316
1923	3,847,046	3,244,717	402,958	+199,371	7,259,181	7,486,748	532,828	524,366
1924	3,884,041	2,946,401	457,894	+479,746	2,178,676	2,814,718	572,949	574,774
1925	3,607,644	[4] 2,464,169	466,538	+676,937	3,047,016	3,351,799	599,591	616,120
1926	3,908,458	3,030,387	487,376	+390,694	2,986,134	3,339,670	659,820	640,286
1927	4,128,423	3,001,837	519,564	+607,022	5,157,255	5,770,467	683,122	687,365
1928	4,038,236	3,071,409	540,246	+426,581	6,830,219	7,193,291	693,634	693,675
1929	4,036,219	3,322,619	549,604	+163,996	5,169,698	5,293,485	696,948	[5] 687,709
1930	4,174,052	3,392,077	553,884	+228,091	3,695,460	3,877,700	705,484	711,986
1931	3,318,637	3,854,193	440,082	−975,638	6,547,754	5,489,913	656,463	656,886

[1] Exclusive of the deposits made by banks to retire national bank and Federal reserve notes and of payments made from this fund to retire such notes; these are in the nature of fiduciary transactions. Both columns include redemption-exchange transactions.

[2] Based on reports of the Post Office Department. Expenditures include adjusted losses, etc., postal funds, and expenditures from postal balances; they exclude departmental expenditures in Washington, D. C., to the close of the fiscal year 1922, and amounts transferred to the civil-service retirement and disability fund, fiscal years, 1921 to 1926; in 1927 to 1931 the 3½ per cent salary deductions are included.

[3] Averages are for entire 10-year period though there were no receipts or retirements certain years.

[4] See note 7, Table 160.

[5] Exclusive of items referred to in note 9, Table 161.

Source: Annual Report of the Secretary of the Treasury.

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No. 159.—ORDINARY RECEIPTS OF THE GOVERNMENT: BY MAJOR SOURCES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 160

Yearly average or year ended June 30—	Total ordinary receipts	Customs (including tonnage tax)	Internal revenue		Sales of public lands	Surplus postal receipts	Miscellaneous receipts
			Income and profits tax	Miscellaneous			
1791–1800	6,765	5,940	----------	444	[1] 10	[1] 36	334
1801–1810	13,055	12,046	----------	201	456	[1] 22	329
1811–1820	21,032	16,383	----------	1,544	1,623	50	1,429
1821–1830	21,923	19,852	----------	31	1,388	([2])	649
1831–1840	30,460	20,470	----------	5	7,452	([2])	2,533
1841–1850	27,117	24,366	----------	[1] 1	1,980	----------	768
1851–1860	60,237	54,498	----------	----------	4,582	----------	1,156
1861–1865	160,907	68,988	[3] 28,006	[1] 27,283	555	----------	19,994
1866–1870	447,300	178,903	50,603	171,315	2,109	----------	44,368
1871–1875	336,830	186,200	7,760	112,217	2,223	----------	28,429
1876–1880	288,124	146,594	([2])	116,697	1,025	----------	23,808
1881–1885	366,961	201,963	[4] 29	132,102	6,086	----------	26,799
1884	348,520	195,067	56	121,530	9,811	----------	22,056
1885	323,691	181,472	----------	112,499	5,706	----------	24,014
1886	336,440	192,905	----------	116,806	5,631	----------	21,093
1887	371,403	217,287	----------	118,823	9,254	----------	26,039
1888	379,266	219,091	----------	124,297	11,202	----------	24,676
1889	387,050	223,833	----------	130,882	8,039	----------	24,297
1890	403,081	229,669	----------	142,607	6,358	----------	24,447
1891	392,612	219,522	----------	145,687	4,030	----------	23,374
1892	354,938	177,453	----------	153,971	3,262	----------	20,252
1893	385,820	203,355	----------	161,028	3,182	----------	18,255
1894	306,355	131,819	----------	147,111	1,674	----------	25,752
1895	324,729	152,159	77	143,345	1,103	----------	28,046
1896	338,142	160,022	----------	146,763	1,006	----------	30,352
1897	347,722	176,554	----------	146,689	865	----------	23,614
1898	405,321	149,575	----------	170,901	1,243	----------	83,603
1899	515,961	206,128	----------	273,437	1,678	----------	34,717
1900	567,241	233,165	----------	295,328	2,837	----------	35,911
1901	587,685	238,585	----------	307,181	2,965	----------	38,954
1902	562,478	254,445	----------	271,880	4,144	----------	32,009
1903	561,881	284,480	----------	230,810	8,926	----------	37,665
1904	541,087	261,275	----------	232,904	7,453	----------	39,455
1905	544,275	261,799	----------	234,096	4,859	----------	43,521
1906	594,984	300,252	----------	249,150	4,880	----------	40,703
1907	665,860	332,233	----------	269,667	7,879	----------	56,081
1908	601,862	286,113	----------	251,711	9,732	----------	54,306
1909	604,320	300,712	----------	246,213	7,701	----------	49,695
1910	675,512	333,683	20,952	268,982	6,356	----------	45,539
1911	701,833	314,497	33,517	289,012	5,732	----------	59,075
1912	692,609	311,322	28,583	293,029	5,393	----------	54,283
1913	724,111	318,891	35,006	309,411	2,910	----------	57,893
1914	734,673	292,320	71,381	308,660	2,572	3,800	55,940
1915	697,911	209,787	80,202	335,468	2,167	3,500	66,787
1916	782,535	213,186	124,937	387,765	1,888	----------	54,759
1917	1,124,325	225,962	359,681	449,685	1,893	5,200	81,903
1918	4,180,425	182,759	2,839,000	857,044	1,969	[5] 48,631	[5] 251,023
1919	4,654,381	183,429	2,600,763	1,239,468	1,405	[5] 89,906	[5] 539,411
1920	6,704,414	323,537	3,956,936	1,442,213	1,910	[5] 5,213	[5] 974,605
1921	5,584,517	308,025	3,228,138	1,351,836	1,530	----------	694,988
1922	4,103,597	357,545	2,086,918	1,121,240	895	81	536,917
1923	3,847,046	562,189	1,691,090	935,700	657	----------	657,411
1924	3,884,041	545,012	1,841,759	952,531	522	----------	544,217
1925	3,607,644	548,522	1,761,659	827,787	624	----------	469,053
1926	3,908,458	579,717	1,974,104	862,668	754	----------	491,215
1927	4,128,423	605,672	2,219,952	648,732	621	----------	653,444
1928	4,038,236	568,157	2,174,573	617,620	385	----------	677,501
1929	4,036,219	602,820	2,331,274	608,770	315	----------	493,040
1930	4,174,052	584,771	2,410,259	628,423	396	----------	550,202
1931	3,318,637	378,793	1,860,040	570,108	230	----------	509,464

[1] Averages are for entire 10-year period though there were no receipts under these items certain years.
[2] Less than $500.
[3] Average for 1863 to 1865.
[4] Average for 1881 and 1884.
[5] Estimated increased postage under act of Oct. 3, 1917, included in "Surplus postal receipts."

Source: Annual Report of the Secretary of the Treasury.

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No. 160.—ORDINARY EXPENDITURES OF THE GOVERNMENT: BY MAJOR CLASSES

NOTE.—In thousands of dollars. Figures are on basis of warrants issued (net); see general note, p. 160

Yearly average or year ended June 30—	Total ordinary expenditures	Civil and miscellaneous [1]	War Department [1]	Navy Department [1]	Indians	Pensions [2]	U. S. Veterans' Bureau [3]	Postal deficiencies [4]	Interest on the public debt
1791–1800	6,835	980	1,732	[5] 882	31	97	----------	----------	3,111
1801–1810	9,086	1,870	1,632	1,636	164	78	----------	----------	3,703
1811–1820	23,942	2,589	10,742	4,675	317	741	----------	----------	4,877
1821–1830	16,161	3,144	3,918	3,295	599	1,247	----------	----------	3,956
1831–1840	24,494	5,616	8,321	5,041	2,612	2,572	----------	----------	[5] 331
1841–1850	32,392	7,452	12,815	7,237	1,384	1,700	----------	[5] 185	1,615
1851–1860	60,162	21,233	15,784	11,996	3,266	1,531	----------	3,574	2,776
1861–1865	683,785	25,894	547,752	65,329	3,203	4,858	----------	2,146	34,600
1866–1870	377,642	54,524	127,815	28,382	4,488	23,428	----------	[5] 3,562	135,440
1871–1875	287,459	69,152	40,186	23,328	7,504	30,166	----------	5,544	111,580
1876–1880	255,598	56,819	37,170	15,990	5,405	35,051	----------	4,972	100,191
1881–1885	257,691	68,256	43,010	15,863	7,328	57,790	----------	[5] 1,703	63,742
1885	260,227	82,953	42,671	16,021	6,552	56,102	----------	4,542	51,386
1886	242,483	65,973	34,324	18,908	6,099	63,405	----------	8,194	50,580
1887	267,932	78,764	38,561	15,141	6,195	75,029	----------	6,501	47,742
1888	267,925	78,167	38,522	16,926	6,249	80,289	----------	3,056	44,715
1889	299,289	94,088	44,435	21,379	6,892	87,625	----------	3,869	41,001
1890	318,041	94,832	44,583	22,006	6,708	106,937	----------	6,875	36,099
1891	365,774	115,708	48,720	26,114	8,527	124,416	----------	4,742	37,547
1892	345,023	95,790	46,895	29,174	11,151	134,583	----------	4,051	23,378
1893	383,478	97,786	49,642	30,136	13,345	159,358	----------	5,947	27,264
1894	367,525	93,694	54,568	31,701	10,293	141,177	----------	8,250	27,841
1895	356,195	82,263	51,805	28,798	9,940	141,395	----------	11,017	30,978
1896	352,179	77,916	50,831	27,148	12,166	139,434	----------	9,300	35,385
1897	365,774	79,252	48,950	34,562	13,017	141,053	----------	11,149	37,791
1898	443,369	86,016	91,992	58,824	10,995	147,452	----------	10,504	37,585
1899	605,072	110,980	229,841	63,942	12,806	139,395	----------	8,212	39,897
1900	520,861	131,689	134,775	55,953	10,175	140,877	----------	7,231	40,160
1901	524,617	131,977	144,616	60,507	10,896	139,324	----------	4,955	32,343
1902	485,234	125,111	112,272	67,803	10,050	138,489	----------	2,402	29,108
1903	517,006	133,073	118,630	82,618	12,935	138,426	----------	2,769	28,556
1904	583,660	131,357	165,200	102,956	10,438	142,559	----------	6,503	24,646
1905	567,279	127,968	126,094	117,550	14,236	141,774	----------	15,065	24,591
1906	570,202	131,639	137,326	110,474	12,747	141,035	----------	12,673	24,309
1907	579,129	145,642	149,775	97,128	15,164	139,310	----------	7,629	24,481
1908	659,196	162,532	175,840	118,037	14,580	153,892	----------	12,888	21,426
1909	693,744	167,001	192,487	115,546	15,695	161,710	----------	19,501	21,804
1910	693,617	171,581	189,823	123,174	18,504	160,696	----------	8,496	21,343
1911	691,202	173,839	197,199	119,938	20,934	157,981	----------	----------	21,311
1912	689,881	172,257	184,123	135,592	20,135	153,590	----------	1,568	22,616
1913	724,512	169,802	202,129	133,263	20,306	175,085	----------	1,027	22,899
1914	735,081	170,530	208,350	139,682	20,215	173,440	----------	----------	22,864
1915	760,587	200,533	202,160	141,836	22,130	164,388	----------	6,637	22,903
1916	741,997	199,555	182,139	155,029	17,570	159,302	----------	5,500	22,900
1917	2,086,042	1,150,351	459,540	257,166	30,598	160,318	3,326	----------	24,742
1918	13,791,908	6,237,492	5,705,136	1,368,643	30,888	181,138	68,863	2,221	197,527
1919	18,952,141	6,701,040	9,265,325	2,009,272	34,593	221,615	104,085	344	615,867
1920	6,141,745	[6] 2,989,558	1,100,866	629,893	40,517	213,344	107,730	[6] 35,813	1,024,024
1921	4,468,713	[6] 1,452,779	580,795	647,871	41,471	260,611	357,007	[6] 131,502	996,677
1922	3,195,685	[6] 524,917	402,058	458,795	38,500	252,577	464,998	[6] 64,353	989,485
1923	3,244,717	704,227	355,723	322,533	45,143	264,148	465,328	32,527	1,055,088
1924	2,946,401	614,223	348,606	324,130	46,754	228,262	433,047	12,639	938,741
1925	[7] 2,464,169	[7] 86,543	357,957	326,365	38,755	218,321	530,994	23,217	882,015
1926	3,030,387	697,638	358,329	311,612	48,442	207,190	536,201	39,506	831,469
1927	3,001,837	670,147	361,987	322,621	36,792	230,556	564,677	27,263	787,794
1928	3,071,409	746,217	400,345	337,608	36,991	229,401	556,916	32,080	731,850
1929	3,322,619	912,251	427,230	364,807	34,087	229,781	580,784	[8] 94,700	678,980
1930	3,392,077	947,841	466,285	374,053	32,067	220,609	600,906	91,714	658,602
1931	3,854,193	1,157,422	491,941	353,023	37,489	[9] 1,057,916	145,644		610,753

[1] Up to 1920, inclusive civil expenditures under War and Navy Departments at Washington are included under the column "Civil and Miscellaneous; thereafter under War and Navy Departments, respectively. Civil and miscellaneous expenditures, beginning 1917, have been revised to exclude expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. War Department expenditures include those for rivers and harbors and the Panama Canal.

[2] Includes only Army and Navy pensions for service prior to World War and fees of examining surgeons. Does not include salaries under Bureau of Pensions or payments to veterans of the World War made by the War Risk Insurance Bureau and Veterans' Bureau (see next column).

[3] Prior to 1922 data represent expenditures by Bureau of War Risk Insurance and for vocational rehabilitation. They include operations in Government life insurance trust funds and special funds.

[4] Exclusive of amounts transferred to the civil service retirement and disability fund.

[5] Averages are for entire period, though there were no expenditures in certain years.

[6] Additional compensation, Postal Service (resolution of Nov. 8, 1919), included in "Postal deficiencies."

[7] The liquidation of the War Finance Corporation and the repayment of loans by the railroads very much affected the total civil and miscellaneous expenditures in 1925.

[8] Includes $9,000,000 back railway mail pay.

[9] Expenditures of the Veterans' Administration, including Veterans' Bureau, Bureau of Pensions, and Bureau of National Homes. Army and Navy pensions under Bureau of Pensions and fees of examining surgeons amounted to $233,324,000.

Source: Annual Report of the Secretary of the Treasury.

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No. 161.—EXPENDITURES OF THE GOVERNMENT CHARGEABLE AGAINST

NOTE.—All figures in thousands of dollars. Figures are on the "current cash"

	1917	1918	1919	1920	1921
General expenditures, total [1]	**999,985**	**6,693,906**	**11,747,271**	**3,231,652**	**3,079,884**
Legislative establishment [2]	15,092	15,826	17,090	19,328	18,983
Executive proper [2 3]	1,280	9,663	17,467	6,676	210
State Department	6,169	9,893	20,766	13,586	8,781
Treasury Department [4 5]	84,294	152,500	227,278	322,316	488,637
War Department	358,158	4,850,687	8,995,880	1,610,587	1,101,615
Department of Justice	10,566	12,965	15,717	17,814	17,206
Post Office Department [6]	1,896	4,173	2,412	50,049	[7] 135,359
Navy Department	239,633	1,278,840	2,002,311	736,021	650,374
Interior Department [10]	216,416	244,557	288,286	279,245	357,815
Department of Agriculture	29,547	42,870	39,246	65,546	119,838
Department of Commerce	11,690	12,834	15,590	30,011	30,829
Department of Labor	3,852	5,469	12,943	5,415	8,503
Veterans' Bureau [4]					
Other independent offices and commissions [2 4]	7,559	12,715	75,376	59,469	119,943
District of Columbia [14]	13,682	14,447	16,014	19,988	22,715
Unclassified items	+150	+26,470	+895	−4,400	−923
Interest on public debt	**24,743**	**189,743**	**619,216**	**1,020,252**	**999,145**
Other special expenditures, total [1]	**952,954**	**5,813,051**	**6,148,393**	**2,151,440**	**1,036,899**
Refunds of receipts—					
Customs [5]					
Internal revenue [5]					
Postal deficiency [6]					
Panama Canal	19,783	19,268	13,196	11,366	16,461
Payment for West Indian Islands	25,000				
Special accounts [15]—					
Railroads		120,264	358,795	[16]1,036,672	[7] 730,712
War Finance Corporation		44,929	302,622	[18] *228,472*	[8] *22,028*
Shipping Board	14,291	770,682	1,820,607	530,566	130,723
Agricultural marketing fund (net)					
Alien property funds [3]					
Grain Corporation				[19] 350,328	[19] 90,353
Food and Fuel Administrations		54,860	87,338		
Sugar Equalization Board					
Purchase of obligations of foreign governments	885,000	4,738,030	3,479,255	421,337	73,897
Purchase of Federal farm loan bonds		65,018	86,580	29,644	16,781
Subscription to stock, Federal land banks	8,880				
Adjusted service certificate fund					
Civil service retirement fund [10]					
Investment of trust funds—					
Government life insurance [5]					
Dist. of Col. teachers' retirement [14]					
Foreign Service retirement					
General railroad contingent					
Total ordinary	**1,977,682**	**12,696,702**	**18,514,880**	**6,403,344**	**5,115,928**
Public debt retirements (chargeable against ordinary receipts) from—					
Sinking fund					261,100
Debt repayments from foreign countries, including U. S. bonds			7,922	72,670	73,939
Estate taxes			93	3,141	26,349
Franchise taxes, Federal reserve and Federal intermediate credit banks		1,134		2,922	60,725
Forfeitures, gifts, etc				13	169
Total		**1,134**	**8,015**	**78,746**	**422,282**
Total expenditures chargeable against ordinary receipts	**1,977,682**	**12,697,837**	**18,522,895**	**6,482,090**	**5,538,209**

[1] Totals prior to 1922 are not comparable with later years because of changes in classification of general and special expenditures.

[2] In the fiscal years 1921, 1922, and 1923, material changes were made in classification of expenditures between legislative establishment, executive proper, and other independent offices and commissions.

[3] Alien property funds included under executive proper prior to fiscal year 1922.

[4] Payments for veterans' relief made prior to Aug. 11, 1921, by the War Risk Insurance Bureau are included under Treasury Department, while similar payments made prior to that date by the Federal Board for Vocational Education are under other independent offices and commissions.

[5] Refunds of customs and internal revenue receipts and investments of Government life insurance fund included under Treasury Department prior to 1922.

[6] Postal deficiency included under Post Office Department prior to 1922.

[7] Post Office Department expenditures for 1921 include $65,576,000 paid to the Railroad Administration. This resulted in a corresponding decrease in expenditures for Federal control of transportation.

[8] Deduct, excess of credits.

[9] Post Office Department expenditures include $42,997,000 and postal deficiency, $9,000,000, representing payment of so-called back railway mail pay to inland carriers.

[10] Civil service retirement fund, established May, 1920, included under Interior Department prior to 1922.

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ORDINARY RECEIPTS: BY MAJOR CLASSIFICATIONS, YEARS ENDED JUNE 30
basis, according to daily Treasury statements, unrevised; see general note p. 160

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
2,135,868	1,950,041	1,828,463	1,837,004	1,826,727	1,857,859	1,953,327	2,106,503	2,162,709	2,390,477
17,088	14,165	14,316	13,856	15,776	19,678	16,402	17,547	19,987	23,978
219	349	451	412	439	612	589	487	690	507
9,667	15,463	14,669	15,054	16,521	16,498	11,607	13,285	14,170	15,688
209,105	145,017	137,411	128,232	136,579	151,560	195,649	200,447	193,114	204,569
454,731	392,734	348,630	361,888	355,072	360,809	390,541	416,902	453,525	478,419
17,889	23,521	21,134	23,496	23,774	24,819	27,600	28,892	32,483	44,333
3,384	147	187	[8] *80*	96	189	277	[9] 43,091	58	82
476,775	333,201	332,249	346,142	312,743	318,909	331,335	364,562	374,166	354,071
331,814	354,623	328,228	302,441	301,759	302,707	299,000	301,123	290,028	[11] 71,500
142,696	128,746	141,116	164,644	155,350	156,287	159,915	171,147	177,581	296,866
21,688	21,784	21,430	25,783	29,132	30,940	34,383	39,987	54,299	61,477
6,227	7,241	6,620	9,678	8,545	9,922	9,821	11,311	10,654	12,182
[12] 376,750	[12] 461,719	[12] 409,121	[12] 384,716	404,692	391,470	401,325	417,280	446,956	[13] 729,199
43,872	28,712	28,262	27,683	32,069	35,443	35,681	40,309	49,496	49,969
23,732	24,054	25,873	32,713	34,411	37,567	39,400	40,117	45,080	47,798
+232	−1,436	−1,234	+347	−233	+449	−199	+18	+423	−162
991,001	1,055,924	940,603	881,807	831,938	787,020	731,764	678,330	659,348	611,560
245,740	288,663	279,612	344,294	438,947	329,152	418,173	514,026	618,212	777,831
37,124	28,737	20,567	22,921	27,745	20,321	21,857	21,826	24,092	21,369
45,702	125,279	127,220	147,777	182,220	117,412	148,286	190,728	133,852	69,888
64,346	32,527	12,639	23,217	39,506	27,263	32,080	[9] 94,700	91,714	145,644
3,025	4,317	8,387	9,093	9,018	8,305	10,449	9,046	11,329	9,299
[17] *139,469*	114,145	35,742	7,205	2,726	1,043	[8] *620*	[8] *1,858*	[8] *4,796*	[8] *246*
94,428	[8] *109,436*	[8] *58,540*	[8] *42,902*	[8] *19,691*	[8] *27,066*	[8] *3,813*	[8] *611*	[8] *59*	172
87,206	57,024	85,491	30,305	23,043	19,011	34,882	15,889	31,695	33,962
								149,958	190,541
1,826	[8] *1,366*	[8] *1,151*	4,018	3,516	[8] *496*	[8] *851*	[8] *1,545*	969	1,186
[18] 32,000									
[8] *15,280*	2,482								
718									
			99,459	120,152	115,219	111,818	111,773	112,313	224,216
9,283	8,091	8,028	9,746	10,816	[8] *425*	109	19,955	20,434	20,304
24,599	26,672	30,410	31,992	38,290	47,316	61,702	52,160	43,469	59,626
231	191	233	258	297	290	514	503	517	571
			83	100	87	81	282	313	337
		4,584	1,124	1,209	871	1,180	978	2,412	962
3,372,608	3,294,628	3,048,678	3,063,105	3,097,612	2,974,030	3,103,265	3,298,859	3,440,269	3,779,868
276,046	284,019	295,987	306,308	317,092	333,528	354,741	370,277	388,369	391,660
64,838	100,693	149,388	159,180	169,654	179,216	181,804	176,214	160,926	48,246
21,085	6,569	8,897	48			2	20	73	
60,333	10,815	3,635	794	568	1,232	618	2,933	4,455	91
393	555	93	208	63	5,578	3,090	160	61	85
422,695	402,850	458,000	466,538	487,376	519,555	540,255	549,604	553,884	440,082
3,795,302	3,697,478	3,506,678	3,529,643	3,584,988	3,493,585	3,643,520	3,848,463	3,994,152	4,219,950

[11] Bureau of Pensions, formerly under Interior Department transferred to Veterans' Administration in 1931.

[12] In 1922 to 1925 additional allotments for veterans' relief are included under the Treasury, War, and Navy Departments, and in 1924 and 1925 also under the Interior Department. In 1922 these allotments amounted to $31,746,000; in 1923, to $10,706,000; in 1924, to $6,411,000; and in 1925, to $6,058,000.

[13] Expenditures of Veterans' Administration, including Bureau of Pensions and Bureau of National Homes.

[14] Teachers' retirement fund included under District of Columbia prior to 1922.

[15] Figures are net and allow for receipts and deposits credited to the account concerned.

[16] Includes $228,399,000 payments on certificates of indebtedness of Director General of Railroads.

[17] Deduct, excess of credits resulting from receipts of $266,637,000 from sale of equipment trust notes and $123,783,000 from sale or collection of other securities acquired under the transportation act, 1920. In 1923 and 1924 receipts on these accounts were included under miscellaneous receipts.

[18] Deduct, excess of credits resulting from deposits by War Finance Corporation of proceeds of United States securities redeemed.

[19] Includes $350,000,000 in 1920, $100,000,000 in 1921, and $25,000,000 in 1922 applied by U. S. Grain Corporation to reduction of capital stock and reflected in miscellaneous receipts for those years; the 1921 figure represents net expenditures after taking into account credits.

Source: Annual Report of the Secretary of the Treasury.

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No. 162.—RECEIPTS BY SOURCES: YEAR ENDED JUNE 30, 1931

[All figures in thousands of dollars. Data are on the basis of warrants issued. (See general note, p. 160)]

Source	Amount
ORDINARY RECEIPTS	
Revenue receipts:	
Customs	378,793
Duties	377,011
Tonnage tax	1,782
Internal revenue	2,430,149
Income tax	1,860,040
Miscellaneous taxes	569,807
Collections under enforcement of national prohibition act [1]	301
Miscellaneous taxes	5,089
Franchise tax, Federal reserve and intermediate credit banks	91
Immigration head tax	1,667
Tax on national-bank circulation	3,243
Taxes, licenses, etc., Canal Zone	88
Interest, exchange, and dividends	195,894
Interest on advance payments to contractors	475
Interest on deferred collections or payments	278
Interest on foreign obligations	184,475
Interest on public deposits	1,625
Interest on money loaned from construction loan fund	2,051
Miscellaneous interest	3,927
Gain by exchange	1
Dividends, Panama Railroad	700
Railroad obligations [2]	1,915
Military and naval insurance [2]	446
Fines and penalties	6,169
Judicial	427
Customs Service	1,756
Immigration Service	153
Under enforcement of national prohibition act (judicial) [3]	3,188
Navigation	63
Navy fines and forfeitures	481
Other	101
Fees	15,084
Agricultural commodities act	134
Board of Tax Appeals	101
Clerks, United States Courts	1,569
Commissions on telephone pay stations in Federal buildings	74
Consular and passport	4,199
Copying	38
Copyright	310
Immigration (registration)	300
Indian lands and timber	167
Land offices (incl. commissions)	397
Marshals, United States Courts	181
Naturalization	2,746
Navigation	205
Patent	4,474
Testing	78
Other	111
Forfeitures	1,570
Bonds of aliens, contractors, etc	595
Customs Service	432
Judicial	88
Under enforcement of national prohibition act [3]	125
Unclaimed moneys and wages remaining in registry of courts	263
Other	65
Assessments	6,208
On Federal reserve banks [4]	2,158
On Federal intermediate credit and Federal and joint-stock land banks [5]	367
On national-bank examiners, salaries and expenses	2,298

Source	Amount
ORDINARY RECEIPTS—continued	
Revenue receipts—Continued.	
Assessments—Continued.	
General railroad contingent fund	894
Naval hospital funds	448
Other	42
Reimbursements	9,788
Construction charges, Indian Service	134
Under grain and cotton standard acts	136
Maintenance of District of Columbia inmates in Federal institutions	178
Expenses of redeeming national currency	721
Inspection of food and farm products	266
Deductions from awards of Mixed Claims Commission, United States and Germany [6]	64
Government property lost or damaged	160
Hospitalization charges and expenses	99
Expense of international service of ice observation and patrol	143
By contractors for excess of cost over contract price	159
Cost from estates of deceased Indians	60
Maintenance and operation charges, irrigation systems, Indian Service	445
Appropriations for Indian tribes	95
Collections, reclamation fund	7,010
Auxiliary reclamation fund, Yuma project, Arizona	24
Other	95
Gifts and contributions	5,999
Forest service cooperative work	2,315
Library of Congress, gift fund	212
Library of Congress, trust fund, investment account	31
For American National Red Cross Building (proceeds of investments)	55
Donations, National Park Service	66
For National Institute of Health	100
For river and harbor improvement, contributions and advances	2,128
For flood control	653
For paving Lafayette extension road	182
For roads, bridges, etc., Alaska	222
Other	35
Sales of property (products)	4,487
Scrap and alvaged materials, waste paper, *etc*	2,487
Agricultural products	108
Card indexes, Library of Congress	253
Public documents, charts, maps, etc	399
Electric current	[7] 675
Heat, light, and power	167
Seal and *fox* skins and furs	105
Ice	69
Occupational therapy products	98
Water	61
Other	66
Sales of services	28,600
Fumigating and disinfecting	45
Laundry and dry cleaning	1,235
Overhead charges on sales of services or supplies (War and Navy)	105
Earnings from business operations (U. S. Housing Corporation)	72
Quarantine charges (fumigation, inspection, etc., of vessels)	461
Quarters, subsistence, etc	157
Radio service	92

[1] Additional collections under the national prohibition act are included under "Fines and penalties" and "Forfeitures," making total collections under this act $3,614,000.

[2] Repayments to appropriations, representing cash receipts credited to appropriations. [3] See Note 1.

[4] For salaries and expenses, Federal Reserve Board.

[5] For salaries, etc., Federal Farm Loan Board.

[6] Deductions to cover reimbursement for expenses incurred by the United States in the adjudication of claims, settlements of war claims act of 1928.

[7] Includes $533,000 for Dam No. 2, Muscle Shoals, Ala.

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No. 162.—Receipts by Sources: Year Ended June 30, 1931—Contd.

[All figures in thousands of dollars]

Source	Amount
ORDINARY RECEIPTS—continued	
Revenue receipts—Continued.	
Sales of services—Continued.	
Storage and other charges	327
Profits from sale of ships' stores, Navy	303
Telephone and telegraph service	320
Tolls and profits, Panama Canal	25,379
Work done for individuals, etc.	63
Other	41
Rents and royalties	6,327
Rent of public buildings and grounds	665
Rentals, Center Market, D. C.	65
Leases, Annette Islands reserve, Alaska	51
Rent of land	186
Rent of equipment	97
Receipts under mineral leasing acts	3,533
Royalties on oil, gas, etc.	1,592
Rent of water-power sites	57
Other	81
Permits, privileges, and licenses	2,080
Alaska fund	184
Business concessions	236
Immigration permits	358
Licenses under Federal water-power act	645
Permits to enter national parks	640
Other	17
Mint receipts—profits on coinage, etc.	1,539
Forest reserve fund	5,125
Postal receipts Panama Canal	256
Total revenue receipts [8]	**3,103,227**
Nonrevenue receipts:	
Army costs due from Germany	5,063
Repayment of investments	74,431
Railroad securities [2]	14,852
Loans to farmers [2]	3,291
Construction loan fund, U. S. Shipping Board [2]	3,776
Reimbursement of relief moneys furnished Americans in Europe	140
Liquidation of capital stock, Federal land banks	55
Principal of foreign obligations	51,588
Principal of Government-owned securities (sale of war supplies)	660
Construction costs of public works in Colon and Panama	56
Other	12

Source	Amount
ORDINARY RECEIPTS—continued	
Nonrevenue receipts—Continued.	
Sales of public lands	230
Sales of property	8,729
Capital equipment—trucks, horses, cars, machinery, furniture, etc.	179
Land and buildings	641
Land, etc., on account of military post construction fund	650
War supplies	1,034
The Oregon and California land-grant fund	317
Sale of ordnance material	165
Deposits for construction loans under merchant marine act, 1920	[9] 5,684
Other	58
Trust funds	90,500
Government life insurance fund	78,938
Deposits, general post fund, national homes, Veterans' Administration	457
Indian moneys—	
Proceeds of labor	1,730
Oil and gas leases, etc., Osage Reservation, Okla.	3,015
Sales and leases of Indian lands, etc.	3,527
Pay of the Navy and Marine Corps, deposit funds	139
Pay of the Army, deposit fund	1,078
Proceeds from estates of deceased soldiers	50
Soldiers' home permanent fund	454
Miscellaneous trust funds	1,114
District of Columbia:	
Revenue receipts—	
District of Columbia share	33,619
United States share	[10] 67
Nonrevenue receipts—	
United States share	[10] 2
District of Columbia trust funds	2,837
Total nonrevenue receipts	**215,410**
Total ordinary receipts, warrants—issued basis	**3,318,637**
Adjustment to basis of daily Treasury statements	—1,403
Total ordinary receipts, basis of daily Treasury statements	**3,317,234**

[2] Repayments to appropriations, representing cash receipts credited to appropriations.
[8] Includes $69,000 United States revenue from District of Columbia sources shown below.
[9] Exclusive of $1,600,000 transferred from the checking account of the U. S. Shipping Board on the books of the Treasurer of the United States to the warrant account and covered in the Treasury by miscellaneous receipt-covering warrant. As this was merely an adjustment between accounts of cash transactions occurring in prior years, this item has not been included in either receipts or expenditures.
[10] This amount is included in total United States revenue receipts above and excluded from nonrevenue receipts.

Source: Annual report of the Secretary of the Treasury.

No. 163.—DETAILS OF EXPENDITURES: Year Ended June 30, 1931

[All figures in thousands of dollars. Data are on the basis of checks issued. (See general note p. 160)]

Object of expenditure	Amount
GENERAL EXPENDITURES	
Legislative establishments	**23,901**
United States Senate	3,498
House of Representatives	8,353
Legislative, miscellaneous	9
Architect of the Capitol	3,981
Botanic Garden	1,147
Library of Congress	3,820
Government Printing Office	3,093

Object of expenditure	Amount
GENERAL EXPENDITURES—continued	
Executive office: Salaries and expenses, mansion, etc.	457
Independent offices [1]	**53,070**
Alien Property Custodian	315
American National Red Cross	43
American Battle Monuments Com'n	1,279
Arlington Memorial Bridge Com'n	1,073

[1] Exclusive of related items on p. 170, U. S. Shipping Board, and Veterans' Administration.

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No. 163.—Details of Expenditures: Year Ended June 30, 1931—Continued

[All figures in thousands of dollars]

Object of expenditure	Amount
GENERAL EXPENDITURES—continued	
Independent Offices—Continued.	
Board of Mediation	193
Board of Tax Appeals	660
Bureau of Efficiency	173
Civil Service Commission	1,513
Employees' Compensation Commission	4,689
Federal Bd. for Vocational Education	9,100
Federal Farm Board [2]	1,353
Federal Power Commission	359
Federal Radio Commission	397
Federal Reserve Board	2,115
Federal Trade Commission	1,813
General Accounting Office	4,220
Housing Corporation	74
Interstate Commerce Commission	9,857
National Advisory Committee for Aeronautics	1,557
National Capital Park and Planning Commission	1,188
Public Buildings and Public Parks of the National Capital	4,381
Railroad Administration and Transportation Act	[3] *258*
Personnel Classification Board	167
Puerto Rican Hurricane Relief Commission	3,180
Smithsonian Institution	431
National Museum	777
U. S. Supreme Court Building Commission	297
U. S. Tariff Commission	897
War Finance Corporation	172
George Rogers Clark Sesquicentennial Commission	188
George Washington Bicentennial Commission	209
Investigation of enforcement of prohibition and other laws	244
Judgments, Court of Claims, U. S. Food Administration	167
Protection of interest of United States in oil leases and oil lands	105
Public Building Commission	56
Other commissions, etc	84
U. S. Shipping Board	**33,009**
Veterans' administration [4]	**794,054**
Salaries and expenses	477
Hospital and domiciliary facilities and services	22
Veterans' Bureau [4]	**543,829**
Salaries and expenses	45,519
Adjusted service and dependent pay	2,464
Medical and hospital services	36,557
Hospital facilities and services	9,042
Military and naval compensation	253,835
Military and naval insurance (appropriated fund)	118,508
Military and naval insurance (special fund)	[3] *445*
Miscellaneous	273
Government life insurance fund (trust fund)	77,939
Special deposit accounts	137
Bureau of Pensions [5]	**236,022**
Salaries and expenses	1,895
Army and Navy pensions	234,127
Bureau of National Homes [6]	13,704
Department of Agriculture	**311,880**
Office of the Secretary	1,176
Office of Information	1,352

Object of expenditure	Amount
GENERAL EXPENDITURES—continued	
Department of Agriculture—Continued.	
Library	104
Office of Experiment Stations	4,734
Extension service	1,710
Cooperative extension work	8,650
Weather Bureau	3,987
Bureau of Animal Industry	9,886
Meat inspection, Bureau of Animal Industry	5,592
Bureau of Dairy Industry	772
Bureau of Plant Industry	5,434
Forest Service	18,516
Special Funds—	
Cooperative work, Forest Service	2,202
Payments to States, roads and trails for States, national forests fund	2,482
Lands for protection of watersheds and streams	2,195
Bureau of Chemistry and Soils	1,825
Bureau of Entomology	2,662
Bureau of Biological Survey	1,957
Bureau of Public Roads	589
Road construction	171,023
Flood relief for restoration of roads and bridges	2,409
Bureau of Agricultural Economics	6,238
Bureau of Home Economics	209
Plant Quarantine and Control Administration	5,197
Enforcement of Grain Futures Act	166
Food and Drug Administration	1,615
Advances and loans to farmers	48,743
Miscellaneous	445
Special deposit accounts	[3] *487*
Department of Commerce	**59,910**
Office of the Secretary	2,604
Radio Division	539
Aircraft in Commerce	8,286
Bureau of Foreign and Domestic Commerce	4,977
Bureau of the Census	15,443
Steamboat Inspection Service	1,279
Bureau of Navigation	439
Bureau of Standards	3,083
Bureau of Lighthouses	11,513
Coast and Geodetic Survey	3,034
Bureau of Fisheries	2,518
Patent Office	3,755
Bureau of Mines	2,488
Miscellaneous	6
Special deposit accounts	[3] *54*
Department of the Interior [7]	**72,358**
Office of the Secretary [8]	957
General Land Office	4,649
Bureau of Reclamation	13,943
Geological Survey	2,635
National Park Service	9,143
Office of Education	3,000
Government in Territories [9]	1,534
Beneficiaries	2,846
Miscellaneous	63
Special deposit accounts	[3] *13*
Indian affairs [8]	**33,600**
Salaries and general expenses	1,866
Education	11,775
General support and civilization	1,224
Interest on Indian tribal funds	709
Tribal funds (trust funds)	9,100
Fulfilling treaty stipulations	643
Miscellaneous expenses	10,557
Special deposit accounts	[3] *2,279*

[2] For agricultural marketing fund see p. 170.
[3] Excess credits, deduct.
[4] Exclusive of adjusted service certificate fund. See p. 170.
[5] Heretofore under Interior Department. For civil service retirement and disability fund, see p. 170.
[6] Heretofore under War Department.
[7] Excluding civil service retirement fund.
[8] Expenses of Indian Commissioner included under Office of the Secretary.
[9] Includes Alaska Railroad.

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No. 163.—Details of Expenditures: Year Ended June 30, 1931—Continued

[All figures in thousands of dollars]

Object of expenditure	Amount
GENERAL EXPENDITURES—continued	
Department of Justice	45,439
Department of Justice proper—	
Salaries and expenses	1,866
Detection and prosecution of crimes	2,709
Bureau of Prisons	193
Bureau of Prohibition	[10] 9,025
Miscellaneous	604
Judicial—	
Salaries of judicial officers	3,397
Expenses, etc., United States courts	16,958
Penal and correctional institutions	10,953
Miscellaneous	[3] *58*
Special deposit accounts	[3] *207*
Department of Labor	12,208
Office of the Secretary	740
Bureau of Labor Statistics	393
Bureau of Immigration	9,271
Bureau of Naturalization	1,088
Children's Bureau	353
Women's Bureau	140
Employment service	399
Miscellaneous	8
Special deposit accounts	[3] *185*
Navy Department	358,273
Office of the Secretary	2,731
Office of Naval Records and Library	39
Office of Judge Advocate General	132
Office of Chief of Naval Operations	390
Bureau of Navigation	8,645
Bureau of Engineering	20,121
Bureau of Construction and Repair	25,790
Bureau of Ordnance	12,748
Bureau of Supplies and Accounts—	
Fuel and transportation	8,019
Maintenance	10,215
Pay, subsistence, etc., Navy	153,590
Other items	[3] *6,875*
Bureau of Medicine and Surgery	3,037
Bureau of Yards and Docks	21,432
Bureau of Aeronautics	29,688
Naval Academy	2,107
Marine Corps—	
Pay	16,444
General expenses and other items	8,758
Increase of Navy	39,108
Miscellaneous	2,160
General account of advances	4
Special deposit account	[3] *10*
Post Office Department [11]	77
Department of State	15,691
Salaries and expenses	2,228
Foreign intercourse [12]	13,299
Special deposit accounts	165
Treasury Department [13]	213,027
Office of the Secretary	160
Office of the Chief Clerk and Superintendent	757
Division of Supply	1,567
Office of Commissioner of Accounts and Deposits	91
Division of Bookkeeping and Warrants	1,007
Public Debt Service	3,858
Division of Appointments	66
Office of Disbursing Clerk	54
Bureau of Customs [13]—	
Collecting the Revenue	22,682
Miscellaneous Expenses	386

Object of expenditure	Amount
GENERAL EXPENDITURES—continued	
Treasury Department—Continued.	
Bureau of the Budget	192
Federal Farm Loan Bureau	1,000
Office of Treasurer of the United States	1,665
Office of Comptroller of Currency	2,993
Bureau of Internal Revenue [13]—	
Collecting the revenue	33,811
Bureau of Prohibition—Enforcement of narcotics and prohibition acts	[14] 600
Bureau of Industrial Alcohol [13]	4,461
Bureau of Narcotics	1,612
Coast Guard	30,544
Bureau of Engraving and Printing	6,475
Secret Service Division	695
Public Health Service	11,001
Mints and assay offices	1,491
Office of Supervising Architect—	
Operating expenses, public buildings	13,624
Repairs, equipment, etc., public buildings	5,506
Sites, construction, etc.—	
Post offices, customhouses, etc	64,139
Inspection stations	180
Quarantine stations	297
Marine hospitals	2,825
To promote the education of the blind	75
Outstanding liabilities (trust fund)	[3] *345*
Miscellaneous	348
Special deposit accounts	[3] *1,285*
Premium on public debt	492
War Department (excl. Panama Canal)	477,784
Military activities—	
Office of the Secretary	979
General Staff Corps	370
Adjutant General's Department	1,686
Inspector General's Department	28
Judge Advocate General's Department	179
Finance Department—	
Pay of the Army	134,581
Finance service	1,114
Judgments	1,361
Miscellaneous items	1,298
Quartermaster Corps—	
Army transportation	15,242
Barracks and quarters and other buildings and utilities	11,566
Clothing and equipage	6,086
Construction of buildings, etc., at military posts	19,292
Construction and repair of hospitals	670
Incidental expenses of the Army	3,889
Regular supplies of the Army	10,330
Subsistence of the Army	21,184
Other	1,415
Signal Corps	3,569
Air Corps	38,884
Medical Department	1,458
Bureau of Insular Affairs	85
Corps of Engineers	1,579
Fortifications, etc., Panama Canal	917
Ordnance Department	12,128
Chemical Warfare Service	1,321
Chief of Infantry	68
Chief of Cavalry	19
Chief of Field Artillery	26
Chief of Coast Artillery	478
Military Academy	2,943
Militia Bureau	34,865
Organized Reserves and military training of citizens	14,253

[3] Excess credits, deduct.

[10] Additional expenditures of $600,000 were made under the Bureau of Prohibition, Treasury Department, and of $4,610,000 under the Bureau of Industrial Alcohol, Treasury Department. (See also "Refunds of receipts," p. 170.)

[11] Excludes Postal Service payable from postal revenues and deficiencies in postal revenues, see p. 170.

[12] Exclusive of foreign service retirement fund, see p. 170.

[13] Exclusive of refunds, debentures, drawbacks, etc., shown under "Refunds of receipts," p. 170.

[14] For additional expenditures see under Department of Justice.

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No. 163.—Details of Expenditures: Year Ended June 30, 1931—Contd.

[All figures in thousands of dollars]

Object of expenditure	Amount	Object of expenditure	Amount
GENERAL EXPENDITURES—contd.		OTHER ITEMS	
War Department—Continued.		Interest on public debt	610,758
Military activities—Continued.		Public debt retirements [13]	440,082
National Board for Promotion of Rifle Practice	727	Postal deficiency	145,644
Army account of advances	321	Refunds of receipts—	
Special deposit accounts	389	Customs	21,390
Nonmilitary activities—		Internal Revenue	70,268
National cemeteries	1,434	Bureau of Industrial Alcohol	149
National military parks	534	Panama Canal	9,943
Miscellaneous, Quartermaster Corps	2,843	Agricultural marketing fund (net)	191,507
Signal Corps	262	Adjusted service certificate fund	232,925
Corps of Engineers, miscellaneous	1,285	Civil service retirement fund	20,366
Rivers and harbors—		Foreign service retirement fund	220
Improving rivers and harbors	83,176	District of Columbia (including trust funds) [16]	48,549
Flood control and relief	38,136	**Total other items**	**1,791,800**
Special deposit accounts	[3] 25	**Total expenditures chargeable against ordinary receipts, checks-issued basis**	**4,262,439**
Inland Waterways Corporation	3,000	Adjustment between checks issued and cash expenditures	−42,488
War claims and relief acts	202	**Total cash expenditures chargeable against ordinary receipts**	**4,219,950**
Trust funds	1,524		
Miscellaneous	113		
Total general expenditures	**2,470,639**		

[3] Excess credits, deduct.
[13] Retirements chargeable against ordinary receipts. For details, see p. 165.
[16] Exclusive of $150,000 expended under District of Columbia for its liability under civil service retirement act, fiscal year 1931.

No. 164.—ORDINARY RECEIPTS AND EXPENDITURES CHARGEABLE AGAINST ORDINARY RECEIPTS: By Months

NOTE.—All figures in thousands of dollars. Figures are on the "current cash" basis shown by daily Treasury statements, unrevised; see general note p. 160

Year and month	Ordinary receipts					Expenditures chargeable against ordinary receipts		
	Total	Customs	Income taxes	Miscellaneous internal revenue	Miscellaneous revenue	Total	Ordinary	Public debt retirements
1929:								
July	169,473	52,144	34,884	54,595	27,851	349,825	245,950	103,874
August	174,502	56,427	32,210	54,917	30,947	210,725	210,720	5
September	670,736	52,612	542,280	51,647	24,197	399,068	266,010	133,058
October	175,998	57,607	31,162	56,181	31,048	364,678	356,994	7,684
November	143,889	44,126	28,281	50,489	20,993	218,407	218,204	203
December	742,942	39,298	516,501	50,664	136,479	443,191	303,210	139,980
1930:								
January	151,195	41,278	29,134	53,576	27,208	347,351	347,351	
February	138,540	35,935	38,183	44,401	20,021	236,742	219,705	17,037
March	674,876	42,610	559,504	50,050	22,712	362,221	299,486	71,735
April	159,053	41,071	38,107	47,753	32,122	414,147	375,293	38,854
May	173,243	51,722	34,298	56,475	30,748	230,997	230,997	
June	803,495	72,170	526,444	57,560	147,320	416,799	375,347	41,453
July	138,741	26,200	29,634	57,577	25,330	284,310	259,279	25,031
August	127,388	32,093	26,231	51,639	17,435	224,117	224,117	
September	602,811	36,655	498,520	47,379	20,257	308,221	268,191	40,030
October	147,813	39,319	27,877	49,930	30,687	375,244	375,244	
November	120,362	36,365	28,223	43,472	12,302	244,651	244,623	28
December	717,092	30,764	496,821	45,374	144,134	364,540	335,335	29,205
1931:								
January	125,605	28,808	30,065	42,749	23,983	413,796	413,796	[1]
February	118,614	28,107	34,059	41,671	14,777	191,425	191,425	[1]
March	433,301	31,807	334,830	47,349	19,315	720,236	393,454	326,782
April	148,208	31,798	29,667	43,765	42,978	432,366	432,349	17
May	124,405	27,463	28,701	47,207	21,034	285,892	285,892	
June	512,894	28,986	295,765	51,275	136,868	375,153	356,163	18,990
July	131,706	34,479	23,209	51,366	22,652	330,661	330,661	
August	122,141	38,241	23,370	43,896	16,633	323,838	323,838	
September	368,792	35,500	267,258	47,933	18,101	356,630	356,630	
October	134,649	35,176	25,285	46,590	27,593	416,472	416,472	
November	106,304	27,445	18,793	41,096	18,969	292,652	266,934	25,719
December	342,271	26,550	257,410	39,882	18,429	862,348	532,749	329,599

[1] Less than $500.

Source of Tables 163 and 164: Annual Report of the Secretary of the Treasury.

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No. 165.—APPROPRIATIONS BY CONGRESS FOR YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** Amounts shown for a specified year differ from the actual appropriations for that year, since the former include deficiency appropriations for prior years and exclude amounts for that year provided subsequently as deficiency appropriations

Branch	Number of Congress and fiscal year for which appropriated					
	66th, 1921	66th and 67th, 1922	67th, 1923	67th, 1924	68th, 1925	68th, 1926
Legislative	18,453	18,706	15,165	14,786	14,648	15,720
Executive Office	223	229	351	497	426	534
Independent offices	931,952	165,733	757,413	522,563	411,216	596,347
District of Columbia	20,749	23,175	26,652	26,633	27,967	40,209
Department of Agriculture	144,796	49,813	145,545	110,662	74,637	146,715
Department of Commerce	23,912	17,911	20,784	22,116	24,123	25,143
Department of the Interior	346,357	352,395	328,256	343,519	292,323	274,826
Department of Justice	16,176	17,680	20,676	23,846	24,227	28,104
Department of Labor	6,099	5,393	8,607	7,519	8,364	9,338
Navy Department	453,578	489,651	300,514	325,323	278,601	324,752
Post Office Department:						
Payable from Treasury [1]	[3] 16,841	[3] 14,339	554	442	173	244
Payable from postal revenues [4]	523,468	701,424	572,528	596,909	629,199	651,256
Department of State	11,098	11,022	17,570	15,896	15,246	18,187
Treasury Department	432,152	359,328	243,845	279,612	269,355	340,915
Interest on the public debt	1,017,500	922,650	[5] 1,100,000	940,000	865,000	830,000
Sinking fund and debt retirements chargeable against ordinary receipts	287,500	265,755	330,089	507,011	471,806	484,766
War Department	494,975	459,080	359,592	355,211	341,340	364,625
Increase of compensation [6]	35,000	35,000				
Total	4,780,830	3,909,282	4,248,141	4,092,544	3,748,652	4,151,682
Deduct amount payable from postal revenues [4]	523,468	701,424	572,528	596,909	629,199	651,256
Net total	4,257,361	3,207,858	3,675,612	3,495,635	3,119,453	3,500,426

Branch	69th, 1927	69th, 1928	70th, 1929	70th, 1930	71st, 1931	71st, 1932
Legislative	20,160	16,480	18,970	21,338	29,521	27,839
Executive Office	824	438	437	594	628	475
Independent offices	639,941	520,041	648,089	661,319	1,169,250	1,383,294
District of Columbia	38,459	38,920	41,541	42,569	52,488	50,143
Department of Agriculture	167,572	153,430	163,608	169,660	220,288	422,203
Department of Commerce	31,526	36,822	40,713	60,508	61,301	54,960
Department of the Interior	270,351	285,800	353,332	334,467	87,150	101,765
Department of Justice	27,200	26,432	29,049	30,771	42,248	58,522
Department of Labor	10,184	10,160	11,181	11,429	12,849	15,036
Navy Department	325,791	320,466	394,736	379,152	389,183	377,973
Post Office Department:						
Payable from Treasury [1]	32	18	67	28	43,075	54
Payable from postal revenues [4]	842,420	755,364	776,975	842,125	840,271	844,610
Department of State	17,819	12,312	15,609	15,826	18,778	18,796
Treasury Department	339,207	345,269	455,474	427,393	372,557	278,587
Interest on the public debt	795,000	755,000	675,000	640,000	619,000	581,000
Sinking fund and debt retirements chargeable against ordinary receipts	515,583	563,630	541,942	553,068	635,324	468,510
War Department	367,386	370,429	466,795	474,990	477,799	494,758
Total	4,409,463	4,211,011	4,633,578	4,665,237	5,071,712	5,178,525
Deduct amount payable from postal revenues [4]	842,420	755,364	776,975	842,125	840,271	844,610
Net total	3,567,044	3,455,647	3,856,603	3,823,112	4,231,440	4,333,915

[1] Figures cover only appropriations which have been specifically designated by Congress as payable from the Treasury and are exclusive of amounts which may be required under indefinite appropriations (payable from the Treasury) provided by law to supply deficiencies in the postal revenues. (See note 4.)

[2] Includes $14,000,000 for deficit under Federal control of telegraph and telephone systems.

[3] Includes $11,053,000 certified claims.

[4] These figures include amounts which may be required under indefinite appropriations (payable from the Treasury) to supply deficiencies, if any, in the postal revenues.

[5] Includes $125,000,000 of accumulated interest on war-savings certificates, series of 1918, to be paid during the fiscal year 1923 though properly allocable to the full five years of their life.

[6] In 1921 and 1922, indefinite appropriations, estimated. In 1923 and 1924, definite amounts were appropriated which are included under the several departments and establishments. Thereafter, this item was absorbed by rates of pay included under the classification act, approved Mar. 4, 1923.

Source: Annual Report of the Secretary of the Treasury.

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No. 166.—INTERNAL REVENUE: AMOUNTS COLLECTED FROM PRINCIPAL SOURCES

NOTE.—**All figures in thousands of dollars.** The figures represent collections by internal revenue officers throughout the country, including deposits by postmasters of amounts received from sale of internal revenue stamps and deposits of internal revenue collected through customs offices, and, therefore, differ from those in Tables 157, 159, and 162 which represent the deposits of these collections in the Treasury or depositaries during the fiscal year concerned, there being thus an overlapping of time. Certain items, included in the totals in the last column, are shown in detail in the second part of the table

Yearly average or year ended June 30—	Total	Spirits [1]	Fermented liquors [1]	Tobacco [1]	Income and profits [2]	Legacies, inheritances, etc.	Sales of manufacturers and dealers [1,3]	Documentary stamps [4]	Other [5]
1863–1865	122,942	18,079	2,551	7,697	28,005	305	43,444	6,915	15,945
1866–1870	221,797	37,229	5,931	21,962	50,604	2,277	63,283	14,932	25,580
1871–1875	119,971	49,877	8,684	34,450	7,760	[6] 2,505	2,931	9,745	6,024
1876–1880	116,681	55,614	10,510	40,000	[7]		341	6,272	3,943
1881–1885	132,064	71,163	16,614	36,964	[8] 29		70	4,433	2,808
1886–1890	126,711	72,045	22,931	30,901			14	5	815
1891–1895	150,262	86,898	30,841	30,802	[6] 77		3	[7]	1,703
1896–1900	206,624	92,876	49,593	41,900		[8] 2,060	1,971	[9] 25,253	4,307
1901–1905	255,314	128,178	58,930	49,650		3,652	1,053	[8] 23,956	4,269
1906–1910	261,321	144,557	58,609	52,020	[6] 20,960	[8] 96	167		1,736
1911–1915	356,851	155,854	68,063	74,866	49,737		739	[6] 20,494	3,494
1916–1920	2,855,761	226,293	93,352	169,853	1,984,473	[10] 59,799	77,800	38,650	217,500
1921–1925	3,158,975	[11] 42,400	17	301,176	2,121,913	126,415	186,135	58,373	322,546
1926–1930	2,894,284	[11] 17,482	4	405,614	2,222,032	81,262	55,484	51,586	60,819
1904	232,904	135,810	49,083	44,656		2,072	148		1,134
1905	234,188	135,959	50,361	45,660		774	162		1,273
1906	249,103	143,394	55,642	48,423		142	150		1,352
1907	269,664	156,337	59,568	51,811		50	181		1,718
1908	251,666	140,159	59,808	49,863			176		1,661
1909	246,213	134,868	57,456	51,887			165		1,836
1910	289,957	148,029	60,572	58,118	20,960		165		2,112
1911	322,526	155,280	64,368	67,006	33,512		153		2,209
1912	321,616	156,391	63,269	70,590	28,583		169		2,613
1913	344,424	163,879	66,267	76,789	35,006		156		2,326
1914	380,009	159,098	67,082	79,987	71,381		128		2,333
1915	415,681	144,620	79,329	79,957	80,202		3,089	20,494	7,989
1916	512,723	158,682	88,771	88,064	124,937		4,219	38,110	9,939
1917	809,394	192,111	91,897	103,202	387,382	6,077	775	8,254	19,695
1918	3,698,956	317,554	126,286	156,189	2,852,325	47,453	36,637	21,875	140,638
1919	3,850,150	365,211	117,840	206,003	2,600,784	82,030	79,400	43,751	355,131
1920	5,407,580	97,905	41,966	295,809	3,958,936	103,636	267,969	81,259	562,100
1921	4,595,357	82,598	25	255,219	3,228,138	154,043	229,398	69,864	576,071
1922	3,197,451	[11] 45,563	46	270,759	2,086,918	139,419	174,361	55,919	424,464
1923	2,621,745	[11] 30,354	4	309,015	1,691,090	126,705	185,117	61,490	217,970
1924	2,796,179	[11] 27,580	5	325,639	1,841,759	102,967	200,922	58,526	238,781
1925	2,584,140	[11] 25,903	2	345,247	1,761,659	[12] 108,940	140,877	46,068	155,444
1926	2,836,000	[11] 26,436	16	370,666	1,974,104	[12] 119,216	150,220	49,801	145,540
1927	2,865,683	[11] 21,195	1	376,170	2,219,952	100,340	66,850	32,603	48,572
1928	2,790,536	[11] 15,307	[7]	396,450	2,174,573	60,087	51,952	43,818	48,347
1929	2,939,054	[11] 12,777	[7]	434,445	2,331,274	61,897	5,724	58,798	34,140
1930	3,040,146	[11] 11,695		450,339	2,410,259	64,770	2,676	72,909	27,497
1931	2,428,229	[11] 10,432		444,277	1,860,040	48,078	150	41,960	23,292

Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.	Year	Transportation, telegraph, etc.	Beverages (nonalcoholic), etc.	Corporation capital stock	Theater admissions, etc.
1917			10,472		1925			90,003	30,908
1918	70,737	2,215	24,996	26,357	1926			97,386	23,981
1919	237,840	7,182	28,776	50,920	1927			8,970	17,941
1920	289,348	57,461	93,020	76,721	1928			8,689	17,725
1921	301,512	58,676	81,526	89,731	1929			5,956	6,083
1922	198,790	33,504	80,612	73,385	1930			47	4,231
1923	30,381	10,132	81,568	70,175	1931				2,779
1924	34,662	10,419	87,472	77,713					

[1] Including special taxes relating to manufacture and sale.
[2] Including receipts from excise tax on corporations for the years 1910 to 1914, and munition manufacturers' tax for 1917 and 1918.
[3] Revised to include tax on adulterated, process, or renovated butter, mixed flour, and filled cheese, 1901 to 1918, stamp tax on medicinal articles and preparations, 1898 to 1902, and excise tax on perfumery, cosmetics etc., 1915 to 1922; these items were formerly included under "Miscellaneous" or "Stamps" for the years named. Figures for 1863 to 1878 include receipts from the tax on raw cotton.
[4] Includes proprietary stamps prior to 1896–1900.
[5] The totals in this column for the years 1917 to 1931 include items shown in detail in second part of table.
[6] Figures for one year only. [7] Less than $500. [8] Average for two years. [9] Average for three years.
[10] Average for four years. [11] Consists chiefly of tax on distilled spirits (nonbeverage).
[12] Includes gift tax amounting to $7,518,000 in 1925 and $3,175,000 in 1926.

Source: Annual Report of the Secretary of the Treasury.

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No. 167.—INTERNAL REVENUE: RECEIPTS FROM EACH SPECIFIC SOURCE

NOTE.—All figures in thousands of dollars. Data are for years ended June 30. See also headnote, Table 166

	1926	1927	1928	1929	1930	1931
Grand total	2,836,000	2,865,683	2,790,536	2,939,054	3,040,146	2,428,229
Income and profits [1]	1,974,104	2,219,952	2,174,573	2,331,274	2,410,259	1,860,040
Corporation [1]	1,094,980	1,308,013	1,291,846	1,235,733	1,263,414	1,026,393
Individual	879,124	911,940	882,727	1,095,541	1,146,845	833,648
Estates of decedents	116,041	100,340	60,087	61,897	64,770	48,078
Gifts: Transfer of property by gift	8,175					
Distilled spirits	26,436	21,195	15,307	12,777	11,695	10,432
Distilled spirits (nonbeverage)	23,752	18,757	13,609	11,590	10,717	9,579
Distilled spirits (beverage) and rectified spirits or wines	55	16	13	11	10	7
Still or sparkling wines, cordials, etc	1,679	796	893	293	239	228
Grape brandy used in fortifying sweet wines	322	401	201	268	124	63
Rectifiers, dealers, manufacturers of stills, etc. (special taxes)	535	1,148	504	528	526	519
Miscellaneous collections	92	77	86	88	79	35
Fermented liquors	16	1	[2]	[2]		
Tobacco	370,666	376,170	396,450	434,445	450,339	444,277
Cigars (large)	38,319	23,545	22,879	22,549	21,141	18,025
Cigars (small)	533	353	301	323	302	271
Cigarettes (large)	127	87	76	83	65	46
Cigarettes (small)	254,825	278,929	301,753	341,952	359,816	358,915
Snuff	6,918	6,908	7,461	7,127	7,542	7,190
Tobacco, chewing and smoking	67,711	65,070	62,774	61,159	60,098	58,377
Cigarette papers and tubes	1,061	1,170	1,124	1,180	1,324	1,442
Manufacturers (special taxes)	1,132					
Miscellaneous collections	41	109	18	73	51	10
Revenue acts of 1924, 1926, and 1928	341,181	[3] 142,327	[3] 138,232	[3] 93,775	[3] 97,781	61,955
Documentary stamps, etc.—						
Sales by postmasters	7,881	35	15,561	17,868	22,611	14,757
Bonds of indebtedness, capital-stock issues, etc	20,600	13,009				
Capital-stock sales or transfers	17,137	16,674	24,209	37,596	46,698	25,520
Sales of produce (future deliveries)	4,183	2,885	4,048	3,333	3,600	1,683
Playing cards	4,213	4,742	5,011	5,376	4,819	4,994
Excise taxes—						
Automobile trucks	6,817					
Other automobiles and motor cycles [4]	113,133	66,438	51,627	5,546	2,320	
Tires, parts, or accessories for automobiles, etc	18,205					
Pistols and revolvers	51	193	169	166	344	138
Other firearms, shells, etc	2,567					
Jewelry, clocks, watches, opera glasses, etc	7,308					
Miscellaneous	2,117	199	139			
Opium, coca leaves, including special taxes, etc	982	798	690	605	589	607
Corporations, on value of capital stock	97,386	[5] 8,970	[5] 8,689	[5] 5,956	[5] 47	
Other special taxes	4,548	8	10			
Admissions to theaters, concerts, cabarets, etc	23,981	17,941	17,725	6,083	4,231	2,779
Dues of clubs	10,074	10,436	10,353	11,245	12,521	11,478
Miscellaneous:						
Adulterated, process or renovated butter, filled cheese, and mixed flour	22	21	15	12	12	12
Oleomargarine	3,070	3,164	3,408	3,611	3,919	2,681
Collections under prohibition laws	416	503	925	727	1,105	586
Other miscellaneous receipts [6]	871	2,010	1,537	536	266	167

[1] Includes income tax on Alaska railroads (act of July 18, 1914).
[2] Less than $500.
[3] Totals include back tax collections from automobiles, 1929 and 1930, and from corporation capital stock, 1927 to 1930.
[4] Tax repealed effective May 29, 1928.
[5] Tax due prior to July 1, 1926.
[6] Consists chiefly of delinquent taxes collected under repealed laws.

Source: Annual Report of the Commissioner of Internal Revenue.

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No. 168.—INTERNAL REVENUE: RECEIPTS BY STATES, YEARS ENDED JUNE 30

NOTE.—Tax receipts are credited to the districts in which the collections are made. Receipts in the various States do not indicate the tax burden of the respective States, since the taxes may eventually be borne by persons in other States. See also headnote, Table 166

[All figures in thousands of dollars]

Division and State	Income taxes				Miscellaneous internal revenue			
	1928	1929	1930	1931	1928	1929	1930	1931
Total	**2,174,573**	**2,331,274**	**2,410,259**	**1,860,040**	**615,962**	**607,780**	**629,887**	**568,188**
New England	**160,035**	**177,627**	**182,362**	**140,150**	**11,033**	**9,253**	**11,740**	**9,569**
Maine	8,086	8,387	7,928	6,394	383	302	743	356
New Hampshire	3,246	3,353	3,287	2,774	749	625	472	782
Vermont	2,221	2,309	2,146	1,700	82	54	84	51
Massachusetts	98,530	109,723	109,683	83,431	6,888	5,797	6,060	5,064
Rhode Island	13,572	13,596	13,863	10,856	1,198	519	1,445	425
Connecticut	34,381	40,259	45,455	34,994	1,733	1,956	2,936	2,892
Middle Atlantic	**946,498**	**1,047,694**	**1,138,021**	**860,862**	**159,032**	**154,866**	**145,085**	**99,173**
New York	646,604	744,782	830,165	614,961	106,581	98,754	98,790	57,211
New Jersey	82,956	93,922	94,812	71,658	22,646	27,525	29,136	25,943
Pennsylvania	216,938	208,990	213,044	174,243	29,805	28,587	17,159	16,019
East North Central	**514,120**	**542,677**	**534,674**	**417,725**	**104,411**	**56,786**	**56,980**	**42,953**
Ohio	113,764	121,822	126,150	96,003	25,923	20,676	19,480	16,929
Indiana	27,246	25,462	23,340	19,095	7,449	2,636	2,958	2,336
Illinois	201,135	217,402	223,375	173,676	20,885	20,826	23,762	17,112
Michigan	128,484	140,484	127,675	102,368	45.495	10,939	9,401	4,997
Wisconsin	43,492	37,508	34,134	26,584	4,659	1,710	1,379	1,580
West North Central	**114,840**	**116,732**	**115,324**	**90,590**	**16,645**	**17,292**	**14,791**	**14,410**
Minnesota	26,105	27,668	28,598	20,803	1,740	1,401	1,840	2,480
Iowa	11,310	12,836	12,843	9,897	672	595	526	499
Missouri	51,979	51,633	50,542	40,907	13,106	14,219	11,482	10,830
North Dakota	748	665	524	352	40	45	32	14
South Dakota	679	794	840	719	67	44	48	30
Nebraska	5,333	5,857	5,309	4,573	400	323	397	205
Kansas	18.686	17,270	16,668	13,340	621	665	466	351
South Atlantic	**154,688**	**156,629**	**160,897**	**131,683**	**281,284**	**320,763**	**348,824**	**855,177**
Delaware	20,011	28,167	39,103	32,877	1,006	2,143	1,042	1,165
District of Columbia	16,361	15,678	14,784	12,716	825	1,417	940	1,969
Maryland	28,254	31,332	35,954	28,458	3,057	3,315	2,530	1,716
Virginia	21,891	20,177	18,592	19.207	61,804	67,307	78.103	94,555
West Virginia	13,352	11,349	9,451	8,670	2,530	2,913	2,689	2,482
North Carolina	20,351	20,067	16,981	13,720	204,964	234,428	257,276	249,129
South Carolina	3,737	3,500	2,802	1,807	161	157	217	171
Georgia	13,550	13,500	12,146	6,389	633	556	375	323
Florida	17,181	12,859	11,084	7,839	6,304	8,529	5,652	3,668
East South Central	**39,203**	**38,883**	**35,943**	**25,806**	**14,052**	**16,435**	**22,174**	**21,994**
Kentucky	15,001	15,198	14,946	10,711	9,010	11,465	17,432	17,775
Tennessee	13,351	13,761	12,294	9,284	4,485	4,224	4,184	3,848
Alabama	8,178	7,599	6,657	4,308	470	555	504	306
Mississippi	2,674	2,326	2,046	1,503	87	190	54	66
West South Central	**82,251**	**71,818**	**68,442**	**55,745**	**4,142**	**4,342**	**3,878**	**2,789**
Louisiana	12,181	12,985	10,569	7,667	2,034	2,095	1,630	1,232
Texas	45,659	37,704	36,963	31,605	1,673	1,762	1,921	1,195
Oklahoma	20,188	17,572	17,872	14,657	327	369	208	265
Arkansas	4,224	3,557	3,038	1,816	108	116	119	98
Mountain	**24,268**	**24,044**	**24,258**	**24,641**	**1,184**	**2,252**	**1,438**	**812**
Montana	2,825	3,049	2,531	1,690	154	1,379	80	102
Wyoming	2,057	1,110	723	570	110	57	29	26
Colorado	11,453	11,038	12,048	15,272	427	502	420	395
New Mexico	772	934	858	608	17	32	67	82
Arizona	1,737	2,311	2,827	2,194	183	88	139	68
Utah	3,663	3,479	3,122	2,322	108	89	104	59
Nevada	690	1,076	1,321	1,298	113	65	558	48
Idaho	1,071	1,049	828	685	73	41	41	32
Pacific	**132,406**	**149,551**	**144,903**	**108,321**	**23,658**	**25,284**	**24,433**	**20,543**
Washington	12,156	13,424	13,644	10,629	583	596	660	737
Oregon	5,815	5,903	5,376	4,111	294	283	368	321
California	114,437	130,224	125,883	93,582	22,781	24,405	23,405	19,484
Philippine Islands					388	372	325	333
Hawaii	6,112	5,473	5,298	4,382	132	133	218	434
Alaska	149	157	138	134	1	1	1	2

Source: Annual Report of the Commissioner of Internal Revenue.

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NO. 169.—INDIVIDUAL AND CORPORATION INCOME TAX RETURNS: SUMMARY

NOTE.—**All money figures in thousands of dollars.** Statistics are based on the taxpayers' returns as filed, unaudited except to insure proper execution of the return. Under the various revenue laws the following individuals were required to file personal returns: For 1913 to 1916, those with net income of $3,000 and over; 1917 to 1924, $1,000 and over; 1925 to 1929, $1,500 and over; or if married and living with husband or wife filing a joint return, $2,000 for 1917 to 1923, $2,500 for 1924, and $3,500 for 1925 to 1929; also, beginning 1921, individuals with gross income of $5,000 or over regardless of net income. All income tax data include Alaska and Hawaii

INDIVIDUAL INCOME TAX RETURNS

Calendar year	Number of returns			Net income	Tax before tax credits			Credits against tax [1]	Total tax, deducting tax credits
	Total	Taxable	Nontaxable		Normal tax	Surtax	Tax on capital net gain		
1913	357,598			[2] 3,900,000	12,728	15,525			28,254
1914	357,515			4,000,000	16,559	24,487			41,046
1915	336,652			4,600,000	23,996	43,948			67,944
1916	437,036	362,970	74,066	6,298,578	51,441	121,946			173,387
1917	3,472,890	2,707,234	765,656	13,652,383	156,897	433,346			[3] 795,381
1918	4,425,114	3,392,863	1,032,251	15,924,639	476,433	651,289			1,127,722
1919	5,332,760	4,231,181	1,101,579	19,859,491	468,105	801,525			1,269,630
1920	7,259,944	5,518,310	1,741,634	23,735,629	478,250	596,804			1,075,054
1921	6,662,176	3,589,985	3,072,191	19,577,212	308,059	411,328			719,387
1922	6,787,481	3,681,249	3,106,232	21,336,213	355,410	474,581	31,066		861,057
1923	7,698,321	4,270,121	3,428,200	24,777,466	378,388	464,918	38,915	[4] 220,555	661,666
1924	7,369,788	4,489,698	2,880,090	25,656,153	257,795	437,541	48,603	39,673	704,265
1925	4,171,051	2,501,166	1,669,885	21,894,576	216,360	432,853	117,571	32,229	734,555
1926	4,138,092	2,470,990	1,667,102	21,958,506	200,599	448,330	112,510	28,969	732,471
1927	4,101,547	2,440,941	1,660,606	22,545,091	215,817	511,731	134,034	30,943	830,639
1928	4,070,851	2,523,063	1,547,788	25,226,327	281,895	688,825	233,451	39,916	1,164,254
1929	4,044,327	2,458,049	1,586,278	24,800,736	162,332	582,393	284,654	27,441	1,001,938

CORPORATION INCOME TAX RETURNS

Calendaryear	Number of returns				Net income	Deficit	Tax		
	Total	Reporting net income	Reporting no net income [5]	Inactive corporations			Total	Income tax	War and excess profits tax
1909	262,490	[6] 52,498	[7] 209,992		3,590,000	[8]			
1910	270,202	[6] 54,040	[7] 216,162		3,761,000	[8]			
1911	288,352	[6] 55,129	[7] 233,223		3,503,000	[8]			
1912	305,336	[6] 61,116	[7] 244,220		4,151,000	[8]			
1913	316,909	188,866	128,043		4,714,000	[8]	[9] [10] 43,128	[9] [10] 43,128	
1914	[11] 299,445	174,205	125,240		3,940,000	[8]	[9] 39,144	[9] 39,144	
1915	366,443	190,911	175,532		5,310,000	[8]	[9] 56,994	[9] 56,994	
1916	341,253	206,984	134,269		8,766,000	657,000	171,805	171,805	
1917	351,426	232,079	119,347		10,730,000	630,000	2,142,446	503,698	1,638,748
1918	317,579	202,061	115,518		8,361,511	689,772	3,158,764	653,198	2,505,566
1919	320,198	209,634	110,564		9,411,418	995,546	2,175,342	743,536	1,431,806
1920	345,595	203,233	142,362		7,902,655	2,029,424	1,625,235	636,508	988,726
1921	356,397	171,239	185,158		4,336,048	3,878,219	701,575	366,444	335,132
1922	382,883	212,535	170,348		6,963,811	2,193,776	783,776	775,310	8,466
1923	398,933	233,339	165,594		8,321,529	2,013,555	937,107	937,107	
1924	417,421	236,389	181,032		7,586,652	2,223,926	881,550	881,550	
1925	430,072	252,334	177,738		9,583,684	1,962,628	1,170,331	1,170,331	
1926	455,320	258,134	197,186		9,673,403	2,168,710	1,229,797	1,229,797	
1927	475,031	259,849	165,826	49,356	8,981,884	2,471,739	1,130,674	1,130,674	
1928	495,892	268,783	174,828	52,281	10,617,741	2,391,124	1,184,142	1,184,142	
1929	509,436	269,430	186,591	53,415	11,653,886	2,914,128	1,193,436	1,193,436	

[1] Includes tax credit of 25 per cent of tax on earned net income and credit of 12½ per cent on capital net loss from sale of assets held more than 2 years.
[2] Determined on the basis of the number of returns filed and the average net income in each class.
[3] Includes war excess-profits taxes of $101,250,000 on individuals and of $103,888,000 on partnerships.
[4] 25 per cent reduction provided for in revenue act of 1924. [5] Includes inactive concerns prior to 1927.
[6] Returns showing net income in excess of $5,000 exemption.
[7] Returns showing net income not in excess of $5,000 exemption, or deficit. [8] Not available.
[9] Receipts for year ended June 30 following year in stub as reported by Commissioner of Internal Revenue.
[10] Includes excise tax of $10,071,000.
[11] Figures for 1915 contain approximately 30,000 returns which properly belong in 1914.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 170.—INDIVIDUAL INCOME TAX RETURNS: ANALYSIS

NOTE.—See headnote, Table 169

[All money figures, except as indicated, in millions of dollars]

	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929
Total income	26,690	23,329	24,872	29,248	29,579	25,272	25,447	26,209	28,988	29,947
Wages and salaries	15,270	13,813	13,694	14,195	13,618	9,742	9,994	10,218	10,862	11,199
Business	3,206	2,366	2,840	4,723	4,755	3,689	3,573	3,287	3,244	3,379
Partnerships [1]	1,701	1,341	1,427	1,676	1,810	1,827	1,733	1,755	1,930	1,853
Profits from sales of real estate, stocks, bonds, etc	1,021	463	[2] 742	[2] 863	[2] 1,125	[2] 1,992	[2] 1,466	[2] 1,813	[2] 2,928	[2] 2,333
Rents and royalties	1,047	1,178	1,225	1,814	2,010	1,471	1,451	1,302	1,165	1,286
Interest and other income	1,648	1,643	1,739	2,178	2,282	1,814	1,937	2,027	2,144	2,211
Fiduciary [1]			258	329	310	306	333	421	444	508
Items exempt from normal tax	2,797	2,524	2,947	3,469	3,670	4,431	4,961	[3] 5,383	[3] 6,271	[3] 7,173
Dividends	2,736	2,477	2,664	3,120	3,251	3,465	4,012	4,255	4,351	4,786
Interest on Gov't obligations	62	47	34	44	30	26	37	47	41	40
Capital net gain from sale of assets held over 2 years			249	305	389	940	913	[4] 1,081	[4] 1,880	[4] 2,347
General deductions, including contributions, etc	2,955	3,752	3,536	4,470	3,923	3,377	3,489	3,663	3,761	5,146
Net income	23,736	19,577	21,336	24,777	25,656	21,895	21,959	22,545	25,226	24,801
Net loss for prior year			45	34	30	32	27	37	34	29
Exemptions from normal tax	15,632	16,716	17,649	20,743	19,999	16,658	17,086	17,375	18,118	19,066
Personal exemption and credit for dependents	12,835	14,192	14,702	17,275	16,329	12,228	12,124	12,001	11,859	11,933
Above items exempt from normal tax	2,797	2,524	2,947	3,469	3,670	4,431	4,961	5,375	6,259	7,133
Less exemptions in excess of net income	*702*	*2,714*	*2,740*	*2,862*	*2,376*	*1,506*	*1,823*	*1,891*	*1,681*	2,012
Net exemptions	14,930	14,002	14,909	17,881	17,624	15,153	15,263	15,484	16,437	17,054
Net income subject to normal tax	8,806	5,575	6,382	6,862	8,003	6,710	6,669	7,024	8,755	7,747
Normal tax	478	308	355	[5] 284	258	216	201	216	282	162
Surtax	597	411	475	[5] 349	438	433	448	512	689	582
Tax on capital net gain from sale of assets held over 2 years (12½ per cent)			31	[5] 29	49	118	113	134	233	285
Less tax credits:										
25 per cent of tax on earned net income					31	25	25	25	35	22
12½ per cent on net loss from sale of assets held more than 2 years [6]					9	8	4	6	5	5
Net tax	1,075	719	861	662	704	735	732	831	1,164	1,002
Number of returns (thous.)	7,260	6,662	6,787	7,698	7,370	4,171	4,138	4,102	4,071	4,044
Average net income per return	$3,269	$2,939	$3,143	$3,219	$3,481	$5,249	$5,306	$5,497	$6,197	$6,132
Average tax per return	$148	$108	$127	$86	$96	$176	$177	$203	$286	$248
Averages per capita of total population: [7]										
Net income returned	$222	$180	$194	$221	$226	$190	$188	$190	$210	$201
Tax	$10.06	$6.63	$7.81	$5.91	$6.20	$6.37	$6.26	$7.00	$9.68	$8.13

[1] Income from fiduciaries included with partnerships in 1920 and 1921.
[2] Exclusive of capital net gain from sales of assets held over 2 years.
[3] Credits against capital net gain given in *footnote* 4 should be deducted from this amount to give the amount exempt from normal tax.
[4] The amount here shown is subject to a deduction of $9,000,000 in 1927, $12,176,000 in 1928, and $69,469,000 in 1929 loss in ordinary net income and net loss for prior year deductible from capital net gain to give the amount exempt from normal tax but taxable at 12½ per cent.
[5] Tax after 25 per cent reduction provided for in revenue act of 1924.
[6] Prior to 1924, the amount of loss from the sale of capital assets held over 2 years was included in general deductions.
[7] Averages for 1920 to 1928 computed by Bureau of Foreign and Domestic Commerce on basis of revised Census estimates of population.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 171.—INDIVIDUAL INCOME TAX RETURNS: BY INCOME CLASSES

NOTE.—See headnote, Table 169. The net income here shown is subject to deduction of exemptions to give net income subject to tax, see Tables 170 and 172

Income class (net income)	1923	1924	1925	1926	1927	1928	1929
Number of returns	7,698,321	7,369,788	4,171,051	4,138,092	4,101,547	4,070,851	4,044,337
Under $1,000	368,502	344,876	98,178	119,513	126,745	111,123	126,172
$1,000 to $2,000	2,523,150	2,413,881	1,071,992	1,045,519	996,098	918,447	903,082
$2,000 to $3,000	2,472,641	2,112,993	842,528	837,792	855,762	837,781	810,347
$3,000 to $5,000	1,719,625	1,800,900	1,327,683	1,240,400	1,209,345	1,192,613	1,172,655
$5,000 to $10,000	387,842	437,330	503,652	560,549	567,700	628,766	658,039
$10,000 to $25,000	170,095	191,216	236,779	246,730	252,079	270,889	271,454
$25,000 to $50,000	39,832	47,061	59,721	57,487	60,123	68,048	63,689
$50,000 to $100,000	12,452	15,816	20,958	20,520	22,573	27,207	24,073
$100,000 to $150,000	2,339	3,065	4,759	4,724	5,261	7,049	6,376
$150,000 to $300,000	1,301	1,876	3,223	3,267	3,873	5,678	5,310
$300,000 to $500,000	327	457	892	892	1,141	1,756	1,641
$500,000 to $1,000,000	141	242	479	468	557	983	976
$1,000,000 and over	74	75	207	231	290	511	513
	In thousands of dollars						
Net income	24,777,466	25,656,153	21,894,576	21,958,506	22,545,091	25,326,327	24,800,736
Under $1,000	252,513	235,452	58,306	67,238	72,231	64,535	73,742
$1,000 to $2,000	3,693,642	3,564,474	1,774,601	1,747,917	1,645,576	1,526,832	1,499,908
$2,000 to $3,000	6,073,444	5,277,147	2,047,970	2,042,903	2,062,275	2,030,901	1,958,595
$3,000 to $5,000	6,469,195	6,827,924	5,236,003	4,872,789	4,700,816	4,648,098	4,572,596
$5,000 to $10,000	2,653,026	2,991,188	3,463,852	3,838,954	3,895,759	4,282,520	4,481,576
$10,000 to $25,000	2,538,079	2,855,397	3,544,898	3,660,623	3,748,058	4,037,853	4,025,233
$25,000 to $50,000	1,350,680	1,599,848	2,032,239	1,954,653	2,051,771	2,326,503	2,174,458
$50,000 to $100,000	833,898	1,066,784	1,418,948	1,389,339	1,535,387	1,857,878	1,646,476
$100,000 to $150,000	280,656	377,645	572,860	570,189	636,018	850,451	770,536
$150,000 to $300,000	260,584	374,609	655,300	661,412	787,270	1,157,131	1,087,410
$300,000 to $500,000	124,569	171,249	339,774	340,214	431,122	663,900	628,229
$500,000 to $1,000,000	95,107	158,462	327,368	317,881	378,167	670,861	669,878
$1,000,000 and over	152,072	155,974	422,457	494,394	600,641	1,108,863	1,212,099
Net tax [1]	661,666	704,265	734,555	732,471	830,639	1,164,254	1,001,938
Under $1,000	317	146	69	56	40	60	17
$1,000 to $2,000	18,253	10,432	1,704	1,761	1,234	1,550	553
$2,000 to $3,000	16,606	10,207	3,809	4,217	3,971	4,317	1,404
$3,000 to $5,000	46,048	26,865	8,326	7,245	6,508	7,475	2,413
$5,000 to $10,000	54,075	28,828	19,149	20,272	20,664	22,896	9,551
$10,000 to $25,000	103,109	78,069	74,172	72,465	74,226	82,758	59,893
$25,000 to $50,000	103,601	109,360	120,689	112,797	119,475	136,568	113,904
$50,000 to $100,000	108,879	136,636	147,843	140,947	156,675	194,447	160,813
$100,000 to $150,000	55,719	75,678	79,472	77,900	87,398	116,855	99,560
$150,000 to $300,000	62,104	92,481	103,059	103,997	123,776	182,514	159,221
$300,000 to $500,000	31,669	45,771	55,722	55,256	73,750	113,250	97,336
$500,000 to $1,000,000	25,498	42,585	53,674	53,665	64,265	116,424	106,219
$1,000,000 and over	35,788	47,207	66,867	81,893	98,657	185,140	191,054
Average tax rate on net income, per cent	2.67	2.74	3.35	3.34	3.68	4.62	4.04
Under $1,000	.13	.06	.12	.08	.06	.09	.02
$1,000 to $2,000	.49	.29	.10	.10	.07	.10	.04
$2,000 to $3,000	.27	.19	.19	.21	.19	.21	.07
$3,000 to $5,000	.71	.39	.16	.15	.14	.16	.05
$5,000 to $10,000	2.04	.96	.55	.52	.53	.53	.21
$10,000 to $25,000	4.06	2.73	2.09	1.98	1.98	2.05	1.49
$25,000 to $50,000	7.67	6.84	5.94	5.77	5.82	5.87	5.24
$50,000 to $100,000	13.06	12.81	10.42	10.14	10.20	10.47	9.77
$100,000 to $150,000	19.85	20.04	13.87	13.66	13.74	13.74	12.92
$150,000 to $300,000	23.83	24.69	15.73	15.72	15.72	15.77	14.64
$300,000 to $500,000	25.42	26.73	16.40	16.24	17.11	17.06	15.49
$500,000 to $1,000,000	26.81	26.87	16.39	16.88	16.99	17.35	15.86
$1,000,000 and over	23.53	30.27	15.83	16.56	16.42	16.70	15.76

[1] Includes normal tax, surtax, and tax on capital net gain from sale of assets held more than two years less tax credit on capital net loss in 1924 to 1929, and also tax credit of 25 per cent of tax on earned net income. See Table 170.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 172.—INDIVIDUAL INCOME TAX RETURNS: ANALYSIS, BY INCOME CLASSES, 1929

[All money figures, except average tax per return, in thousands of dollars]

Income class (net income)	Number of returns	Total income	General deductions, including contributions	Net income [1]	Net loss for prior year	Exemptions from normal tax: Personal exemption	Exemptions from normal tax: Dividends	Exemptions from normal tax: Interest on Govt. obligations [2]	Exemptions from normal tax: Capital net gain [3]
Total	4,044,337	29,946,952	5,146,217	24,800,736	28,909	11,933,265	4,786,028	40,184	2,346,704
Under $1,000, free [4]	117,633			68,890		330,886			
Under $1,000, taxed	8,539			4,852		646			
$1,000 to $2,000, free [4]	423,979			665,308		1,188,783			
$1,000 to $2,000, taxed	479,103			834,600		706,281			
$2,000 to $3,000, free [4]	370,516	10,236,784	2,131,943	915,417		1,389,560	538,997		
$2,000 to $3,000, taxed	439,831			1,043,178		663,228			
$3,000 to $4,000, free [4]	454,891			1,589,523		1,822,759			
$3,000 to $4,000, taxed	231,942			825,861		532,001			
$4,000 to $5,000, free [4]	167,819			730,987		742,171			
$4,000 to $5,000, taxed	318,003			1,426,225		1,035,135			
$5,000 to $6,000, free [4]	24,218	1,532,143	213,551	130,635	1,447	100,599	104,607		
$5,000 to $6,000, taxed	217,378			1,187,957		765,028			
$6,000 to $10,000, free [4]	27,222	3,711,614	548,629	206,485	3,892	88,664	401,511		
$6,000 to $10,000, taxed	389,221			2,956,499		1,363,851			
$10,000 to $25,000	271,454	4,821,131	795,898	4,025,233	8,200	897,287	930,662	14,887	
$25,000 to $50,000	63,689	2,595,768	421,310	2,174,458	5,193	195,419	736,129	9,179	28,497
$50,000 to $100,000	24,073	1,961,906	315,430	1,646,476	3,303	70,451	645,814	6,508	257,917
$100,000 to $150,000	6,376	918,094	147,558	770,536	1,821	17,774	305,116	2,510	223,464
$150,000 to $300,000	5,310	1,278,681	191,272	1,087,410	2,637	14,598	377,563	2,616	422,551
$300,000 to $500,000	1,641	731,357	103,128	628,229	1,555	4,356	201,143	1,299	301,415
$500,000 to $1,000,000	976	771,154	101,277	669,878	712	2,573	213,340	1,129	352,512
$1,000,000 and over	513	1,388,320	176,221	1,212,099	149	1,215	331,146	2,056	760,348

Income class (net income)	Normal tax	Surtax	Net tax on capital net gain [5]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average tax per return (dollars)	Average rate of tax on net income (per cent)	Per cent distribution: Returns	Per cent distribution: Net income	Per cent distribution: Net tax
Total	162,332	582,393	279,275	22,062	1,001,938	247.74	4.04	100.00	100.00	100.00
Under $1,000, free [4]								3.12	.30	.01
Under $1,000, taxed	23			6	17	2.03	.36			
$1,000 to $2,000, free [4]								22.33	6.05	.06
$1,000 to $2,000, taxed	738			185	553	1.16	.07			
$2,000 to $3,000, free [4]								20.04	7.90	.14
$2,000 to $3,000, taxed	1,872			468	1,404	3.19	.13			
$3,000 to $4,000, free [4]								16.98	9.74	.10
$3,000 to $4,000, taxed	1,393			348	1,045	4.50	.13			
$4,000 to $5,000, free [4]								12.01	8.70	.14
$4,000 to $5,000, taxed	1,824			456	1,368	4.30	.10			
$5,000 to $6,000, free [4]								5.97	5.32	.16
$5,000 to $6,000, taxed	2,013			448	1,565	7.20	.13			
$6,000 to $10,000, free [4]								10.29	12.75	.80
$6,000 to $10,000, taxed	9,570			1,585	7,985	20.52	.27			
$10,000 to $25,000	41,836	25,066		7,009	59,893	220.64	1.49	6.72	16.23	5.98
$25,000 to $50,000	37,907	79,518	2,835	6,356	113,904	1,788.44	5.24	1.58	8.77	11.37
$50,000 to $100,000	24,124	109,411	30,219	2,941	160,814	6,680.24	9.77	.60	6.64	16.05
$100,000 to $150,000	9,281	65,056	26,108	894	99,560	15,614.77	12.92	.16	3.11	9.94
$150,000 to $300,000	12,315	97,706	50,057	957	159,221	29,985.16	14.64	.13	4.38	15.89
$300,000 to $500,000	6,014	55,581	36,009	268	97,336	59,314.85	15.49	.04	2.53	9.72
$500,000 to $1,000,000	5,532	58,392	42,457	162	106,219	108,830.85	15.86	.02	2.70	10.59
$1,000,000 and over	7,890	91,663	91,590	89	191,054	372,424.96	15.76	.01	4.85	19.05

[1] Capital net gain from sale of assets held more than 2 years is included in net income, but capital net loss from sale of assets held more than 2 years and net loss for prior years are not deducted.

[2] If not wholly exempt from tax.

[3] Relates to net gain from sale of assets held for more than 2 years; this amount, less certain allowable deductions, is exempt from normal tax but subject to a special tax. See note 4, Table 170.

[4] Specific exemptions exceed net income.

[5] Tax (12½ per cent) on capital net gain from sale of assets held more than 2 years, less tax credit of 12½ per cent on capital net loss on such sales.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 173—INDIVIDUAL INCOME TAX RETURNS: TOTAL INCOME BY INCOME CLASSES, DISTRIBUTED BY SOURCES OF INCOME, 1929

NOTE.—For total income and items exempt from normal tax see Table 172

[All figures, except percentages, in thousands of dollars]

Income class (net income)	Income from personal industry and business				Income from property			
	Wages and salaries	Business	Partnership	Profit from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and other income[2]	Interest on Govt. obligations[3]
Total	**11,198,979**	**3,378,984**	**1,853,143**	**4,684,560**	**1,286,072**	**4,786,028**	**2,719,002**	**40,184**
Under $5,000	6,019,938	1,542,655	355,221	293,799	636,948	538,997	849,226	--------
$5,000 to $6,000	790,129	278,649	96,166	63,107	77,072	104,607	122,412	--------
$6,000 to $10,000	1,614,862	641,750	266,741	262,726	181,252	401,510	342,772	--------
$10,000 to $25,000	1,573,732	576,769	362,338	618,817	202,858	930,662	541,068	14,887
$25,000 to $50,000	586,865	177,486	187,317	489,240	85,686	736,129	323,865	9,179
$50,000 to $100,000	303,405	81,730	145,946	506,255	48,472	645,814	223,778	6,508
$100,000 to $150,000	104,255	29,792	77,223	304,514	16,646	305,116	78,039	2,510
$150,000 to $300,000	108,485	28,743	125,555	532,873	16,213	377,563	86,633	2,616
$300,000 to $500,000	42,900	12,352	69,001	349,620	5,592	201,144	49,449	1,299
$500,000 to $1,000,000	28,946	7,217	72,985	404,226	6,182	213,340	37,131	1,129
$1,000,000 and over	25,462	1,841	94,650	859,384	9,151	331,146	64,629	2,056
	Per cent of total income derived from each source							
Total	**37.40**	**11.28**	**6.19**	**15.65**	**4.29**	**15.98**	**9.08**	**0.13**
Under $5,000	58.81	15.07	3.47	2.87	6.22	5.27	8.29	--------
$5,000 to $6,000	51.57	18.18	6.27	4.13	5.03	6.83	7.99	--------
$6,000 to $10,000	43.51	17.29	7.19	7.08	4.88	10.82	9.23	--------
$10,000 to $25,000	32.64	11.96	7.52	12.84	4.21	19.30	11.22	.31
$25,000 to $50,000	22.61	6.84	7.22	18.85	3.30	28.36	12.47	.35
$50,000 to $100,000	15.46	4.17	7.44	25.81	2.47	32.92	11.40	.33
$100,000 to $150,000	11.36	3.25	8.41	33.17	1.81	33.23	8.50	.27
$150,000 to $300,000	8.48	2.25	9.82	41.68	1.27	29.53	6.77	.20
$300,000 to $500,000	5.87	1.69	9.43	47.80	.76	27.50	6.77	.18
$500,000 to $1,000,000	3.75	.94	9.46	52.42	.80	27.66	4.82	.15
$1,000,000 and over	1.83	.13	6.82	61.90	.66	23.85	4.66	.15

[1] Includes capital net gain from sale of assets held more than 2 years. (See Table 172.)
[2] Including fiduciary income. [3] If not wholly exempt from tax.

No. 174.—PERSONAL INCOME TAX RETURNS:[1] BY FAMILY RELATIONSHIP

	1923	1924	1925	1926	1927	1928	1929
Number of returns	**7,698,321**	**7,369,788**	**4,171,051**	**4,138,092**	**4,101,547**	**4,070,851**	**4,044,327**
Joint returns of husbands and wives[2]	4,505,729	3,991,551	2,074,849	2,017,182	2,016,850	1,976,954	1,973,864
Wives making separate returns from husbands	170,573	173,225	120,358	113,550	112,719	124,208	116,265
Single men, heads of families	413,682	394,201	274,139	268,090	302,821	286,873	290,116
Single women, heads of families	157,669	153,279	96,562	100,284	103,430	105,194	107,867
All other men	1,697,031	1,865,258	1,193,379	1,146,871	1,109,676	1,079,948	1,055,604
All other women	718,080	773,314	392,186	449,727	431,769	456,757	457,822
Community property income	35,557	18,960	19,578	42,388	24,282	40,917	42,789
Net income (1,000 dollars)	**24,777,466**	**25,656,153**	**21,894,576**	**21,958,506**	**22,545,091**	**25,226,326**	**24,800,736**
Joint returns of husbands and wives[2]	16,711,847	16,695,378	13,772,705	13,555,920	13,870,232	15,269,775	14,853,469
Wives making separate returns from husbands	847,110	955,000	1,093,921	1,110,206	1,219,714	1,525,571	1,476,321
Single men, heads of families	1,190,175	1,227,022	1,103,331	1,102,102	1,211,235	1,280,921	1,257,884
Single women, heads of families	448,887	445,185	406,658	436,422	463,327	502,008	517,515
All other men	3,628,421	4,223,497	3,716,460	3,639,034	3,700,791	3,944,632	3,879,011
All other women	1,688,707	1,883,757	1,540,291	1,750,900	1,770,517	2,043,223	2,168,737
Community property income	262,319	226,314	261,210	363,922	309,274	660,106	647,799

[1] See headnote, Table 169.
[2] Includes returns of husbands whose wives, though living with them, file separate returns.

Source of Tables 173 and 174: Statistics of Income, Reports of the Commissioner of Internal Revenue.

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No. 175.—INDIVIDUAL INCOME TAX RETURNS:

NOTE.—See headnote Table 169. The net income here shown is subject to

[Net income and tax yield

Division and State	Number of returns						Net income	
	1924	1925	1926	1927	1928	1929	1924	1925
Total	7,369,783	4,171,051	4,138,092	4,101,547	4,070,851	4,044,327	25,656,153	21,894,576
New England	664,651	870,664	375,484	358,780	364,560	364,946	2,282,372	1,911,648
Maine	42,254	19,444	19,709	18,710	18,611	19,173	135,221	97,928
New Hampshire	31,532	16,413	15,276	14,484	14,132	14,341	94,133	70,118
Vermont	20,618	9,559	8,646	8,268	9,394	9,586	63,631	45,857
Massachusetts	378,049	221,530	224,042	214,356	215,559	213,316	320,157	1,132,290
Rhode Island	48,792	29,123	26,362	25,184	25,801	26,481	191,556	160,955
Connecticut	143,406	74,595	81,449	77,778	81,063	82,049	478,174	404,498
Middle Atlantic	2,238,971	1,279,738	1,326,939	1,343,815	1,338,319	1,317,752	8,870,320	7,878,208
New York	1,215,640	751,941	753,044	766,974	780,418	757,835	5,144,766	4,903,229
New Jersey	299,904	150,874	176,320	195,467	196,681	195,772	1,177,421	943,673
Pennsylvania	713,427	376,923	397,575	381,374	361,220	364,145	2,548,133	2,031,306
East North Central	1,730,402	961,545	959,102	955,031	945,847	943,114	5,891,561	4,790,684
Ohio	418,048	224,643	231,196	222,707	218,479	215,804	1,403,749	1,141,453
Indiana	156,845	80,300	77,126	76,703	75,376	76,493	461,717	344,267
Illinois	652,501	357,448	374,725	378,859	373,621	369,855	2,413,605	1,975,436
Michigan	323,733	188,669	176,804	175,806	179,886	177,918	1,045,850	910,910
Wisconsin	179,275	110,485	99,251	100,956	98,485	103,044	496,660	418,618
West North Central	621,683	329,475	301,771	291,667	285,550	292,229	1,814,076	1,411,572
Minnesota	128,237	71,291	64,227	61,439	60,752	60,701	375,589	305,945
Iowa	110,404	50,379	49,476	45,349	40,789	45,023	298,734	198,736
Missouri	186,784	109,059	99,509	96,407	99,295	98,367	632,533	533,836
North Dakota	19,160	11,715	9,881	9,753	9,710	9,170	48,690	35,695
South Dakota	26,506	17,086	12,414	10,969	10,649	10,449	66,124	53,971
Nebraska	66,512	35,661	33,532	32,170	31,426	30,962	189,372	141,878
Kansas	84,080	34,284	32,732	35,575	32,929	37,557	203,034	141,511
South Atlantic	588,499	359,983	328,820	305,424	297,093	299,376	1,965,149	1,979,194
Delaware	18,392	9,131	9,301	9,266	9,592	9,780	64,180	54,899
Maryland	126,226	66,152	67,160	65,099	65,258	68,654	467,226	302,485
Dist. of Columbia	77,836	43,293	40,024	39,560	44,183	48,087	253,312	200,354
Virginia	71,597	37,507	37,797	37,393	37,619	38,631	231,056	170,257
West Virginia	75,037	35,810	32,544	32,500	30,643	29,803	227,000	144,777
North Carolina	63,864	38,740	35,332	33,398	30,997	28,860	200,389	161,624
South Carolina	28,090	15,727	13,809	14,310	13,725	13,232	79,614	57,662
Georgia	62,651	37,410	36,744	33,818	32,921	32,289	210,908	177,204
Florida	64,306	76,213	56,109	40,080	32,155	30,040	250,964	649,932
East South Central	213,904	115,267	114,052	111,772	113,437	110,794	704,850	552,191
Kentucky	72,119	37,315	32,821	33,004	35,367	34,623	238,094	180,217
Tennessee	66,981	34,689	35,495	33,812	35,039	34,664	224,184	168,198
Alabama	47,591	26,278	28,540	27,992	26,891	25,818	159,919	130,025
Mississippi	27,213	16,985	17,196	16,964	16,140	15,689	82,653	73,751
West South Central	359,234	211,565	207,294	208,964	203,175	201,461	1,180,769	996,840
Arkansas	35,484	20,597	19,363	17,331	16,660	15,813	110,255	84,474
Louisiana	67,658	40,695	38,996	37,293	36,981	35,093	221,133	195,585
Oklahoma	63,357	40,825	37,497	39,806	37,261	37,000	211,272	219,961
Texas	192,735	109,448	111,438	114,534	112,273	113,555	638,109	496,820
Mountain	233,989	117,862	107,235	105,173	102,585	103,964	625,230	437,788
Montana	44,011	19,239	16,191	18,651	17,112	17,067	107,242	66,825
Idaho	21,436	12,907	11,617	10,673	9,808	9,830	52,302	40,444
Wyoming	22,947	10,336	8,930	8,870	8,622	8,140	60,752	33,482
Colorado	73,350	35,808	35,110	31,727	31,091	31,268	205,088	150,363
New Mexico	11,595	7,203	6,513	6,462	6,686	6,874	31,951	23,995
Arizona	21,301	10,104	10,509	11,059	11,527	12,448	58,273	41,383
Utah	28,685	16,101	13,568	13,029	13,262	13,163	82,088	61,635
Nevada	10,664	6,164	4,797	4,702	4,477	5,174	27,534	19,661
Pacific [1]	716,068	415,646	408,249	411,669	412,238	402,481	2,324,910	1,894,988
Washington [1]	138,181	78,030	61,950	62,200	66,167	65,240	393,962	272,545
Oregon	66,669	32,542	30,955	33,903	29,333	28,194	189,884	132,023
California	511,218	305,074	315,344	315,566	316,738	309,047	1,741,064	1,490,420
Hawaii	12,387	9,306	9,146	9,252	8,047	8,210	46,395	41,465

[1] Includes Alaska.

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By States and Territories, 1924 to 1929

deduction of exemptions to give net income subject to tax, see Tables 170 and 176

[In thousands of dollars]

Net income—Continued				Tax yield						Division and State
1926	1927	1928	1929	1924	1925	1926	1927	1928	1929	
21,958,506	22,545,091	25,226,327	24,800,736	704,265	734,555	732,471	830,639	1,164,254	1,001,938	Total
1,953,336	2,013,224	2,288,052	2,357,329	65,096	65,263	61,854	72,372	98,246	95,718	N. E.
107,979	103,081	111,558	115,875	2,568	2,719	3,419	3,301	4,262	3,562	Me.
66,744	70,561	72,610	74,307	1,377	1,219	1,201	1,825	1,992	1,735	N. H.
42,209	41,842	48,086	49,916	978	920	821	847	1,056	1,020	Vt.
1,147,576	1,189,273	1,357,076	1,371,652	40,857	41,052	37,116	43,950	59,739	57,857	Mass.
155,051	157,465	176,225	184,531	6,722	5,818	5,546	6,332	8,093	7,851	R. I.
433,777	451,002	522,497	561,548	12,594	13,534	13,751	16,117	23,104	23,693	Conn.
8,154,486	8,607,674	9,904,456	9,683,848	346,590	357,905	356,909	422,798	600,269	531,838	M. A.
4,984,020	5,398,451	6,458,089	6,253,466	236,775	252,158	247,164	305,210	451,607	396,687	N. Y
1,032,297	1,117,398	1,241,411	1,212,423	31,941	32,383	32,858	38,912	51,890	43,956	N. J.
2,138,169	2,091,825	2,204,956	2,217,959	77,874	73,364	76,887	78,674	96,772	90,695	Pa.
4,813,590	4,983,765	5,580,654	5,366,055	143,629	142,684	147,814	164,421	239,215	189,554	E. N. C.
1,146,496	1,153,756	1,302,762	1,259,572	32,062	30,321	32,839	35,519	55,394	43,634	Ohio
358,625	349,434	365,337	366,846	6,656	7,509	9,935	8,884	10,101	8,208	Ind.
1,995,011	2,093,909	2,392,631	2,258,946	66,583	64,792	64,214	73,796	110,660	86,825	Ill.
905,815	950,086	1,066,530	1,029,757	30,984	33,263	32,408	35,600	50,601	40,600	Mich.
407,643	436,580	453,394	450,934	7,344	6,799	8,418	10,622	12,459	10,287	Wis.
1,371,379	1,344,285	1,501,684	1,511,458	26,558	27,794	27,417	28,497	42,620	35,110	W. N. C.
296,414	295,670	340,153	337,881	6,721	6,126	6,475	7,383	11,925	9,799	Minn.
203,015	190,436	221,881	222,103	3,124	3,111	2,918	3,310	6,216	3,925	Iowa
512,801	501,495	563,951	558,128	12,373	14,247	13,497	13,738	18,911	16,417	Mo.
33,169	33,252	34,878	31,197	268	163	180	187	209	111	N. Dak.
38,153	35,907	38,955	40,165	306	192	209	210	322	391	S. Dak.
134,154	130,131	139,471	140,323	1,848	1,733	1,382	1,428	2,109	1,919	Nebr.
153,673	157,394	162,395	181,661	1,918	2,222	2,756	2,241	2,928	2,548	Kans.
1,660,320	1,577,269	1,628,663	1,640,527	41,515	61,234	45,066	48,723	59,812	54,647	S. A.
70,544	90,263	107,335	148,850	2,433	2,780	5,101	7,970	10,592	14,525	Del.
374,759	390,671	409,371	425,186	12,073	11,623	11,517	13,860	16,127	15,642	Md.
198,056	198,938	227,621	242,283	5,766	5,718	5,527	6,027	7,474	6,409	D. C.
176,025	172,240	181,750	179,294	3,314	2,981	3,495	3,611	4,409	3,201	Va.
141,397	139,696	140,128	136,768	2,796	2,134	2,304	2,520	2,921	2,299	W. Va.
153,282	155,917	161,039	130,353	3,778	3,179	3,398	4,520	6,052	3,283	N. C.
53,060	55,219	55,510	50,257	727	431	420	555	717	566	S. C.
171,146	167,407	167,064	163,181	3,399	3,530	2,888	3,613	3,806	2,786	Ga.
322,601	206,918	178,844	164,355	7,229	28,858	10,416	6,047	7,714	5,936	Fla.
546,198	543,849	590,910	555,520	11,153	9,741	9,971	11,334	16,063	11,513	E. S. C.
169,101	172,582	193,766	191,641	3,806	3,300	3,226	4,028	5,639	5,077	Ky.
175,714	173,163	190,287	177,388	3,420	3,126	3,652	4,035	5,624	3,748	Tenn.
136,523	133,225	142,168	122,569	2,771	2,326	2,449	2,455	4,036	2,088	Ala.
64,860	64,879	64,689	63,922	1,156	989	644	816	764	600	Miss.
1,040,740	1,023,473	1,047,026	1,048,491	19,017	21,948	25,611	23,657	26,107	22,461	W. S. C.
84,661	75,554	71,690	68,911	1,458	1,434	1,482	1,340	878	713	Ark.
185,479	175,254	184,035	170,714	3,529	3,850	3,312	3,175	4,380	2,860	La.
223,037	212,342	211,062	216,347	3,794	6,897	8,135	6,232	6,447	6,021	Okla.
547,563	560,323	580,239	592,519	10,236	9,767	12,682	12,910	14,402	12,867	Tex.
422,711	431,071	469,480	472,202	6,088	5,411	5,518	6,758	10,051	7,578	Mt.
59,290	69,654	72,908	71,397	731	580	562	868	1,298	1,019	Mont.
39,888	38,449	37,123	38,526	261	171	184	247	283	184	Idaho
31,751	31,298	33,233	30,813	414	257	263	275	372	189	Wyo.
154,805	148,473	158,932	158,752	3,163	2,841	2,959	3,307	4,460	3,534	Colo.
24,632	26,288	29,996	30,876	224	179	227	283	464	300	N. Mex.
41,717	45,837	58,369	60,788	512	545	499	698	1,600	1,114	Ariz.
53,832	53,629	58,809	59,452	599	660	629	851	1,096	882	Utah.
16,796	17,443	20,110	21,598	184	178	195	229	478	356	Nev.
1,952,296	1,975,862	2,172,051	2,121,515	43,137	41,632	51,215	50,880	70,559	52,799	Pac.[1]
245,592	252,547	273,648	302,258	3,231	2,717	2,801	2,914	4,465	5,775	Wash.[1]
135,030	140,739	132,829	129,361	2,025	1,788	2,175	1,921	2,387	1,664	Oreg.
1,571,674	1,582,576	1,765,574	1,689,896	37,881	37,127	46,239	45,045	63,707	45,360	Calif.
42,950	44,619	43,350	43,291	1,482	944	1,096	1,201	1,312	1,220	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 176.—INDIVIDUAL INCOME TAX RETURNS:

[All money figures, except average per return

Division and State	Number of returns	Net income [1]	Prior year loss deduction	Exemptions from normal tax				Normal tax
				Personal exemption	Dividends	Interest on Govt. obligations [2]	Capital net gain [3]	
Total	**4,044,327**	**24,800,736**	**28,909**	**11,983,265**	**4,736,028**	**40,184**	**2,346,704**	**162,333**
New England	**364,946**	**2,357,829**	**1,295**	**1,041,308**	**571,830**	**3,660**	**255,611**	**14,255**
Maine	19,173	115,875	172	57,558	25,159	227	8,234	641
New Hampshire	14,341	74,307	25	41,300	17,089	118	3,151	359
Vermont	9,586	49,916	43	28,422	10,278	92	1,169	231
Massachusetts	213,316	1,371,652	464	608,726	323,201	2,161	165,933	8,547
Rhode Island	26,481	184,531	104	77,118	47,055	294	16,663	1,150
Connecticut	82,049	561,548	487	228,184	149,048	768	60,461	3,327
Middle Atlantic	**1,317,752**	**9,683,648**	**8,833**	**3,850,574**	**1,985,517**	**14,105**	**1,204,770**	**78,120**
New York	757,835	6,253,466	6,572	2,211,426	1,284,831	9,278	888,674	56,626
New Jersey	195,772	1,212,423	584	584,289	212,563	1,124	102,519	7,560
Pennsylvania	364,145	2,217,959	1,677	1,054,859	488,123	3,703	213,577	13,934
East North Central	**943,114**	**5,366,055**	**4,906**	**2,714,578**	**983,214**	**10,039**	**468,729**	**31,373**
Ohio	215,804	1,259,572	1,405	635,437	260,187	4,462	118,125	6,530
Indiana	76,493	366,846	237	223,852	57,661	1,250	23,791	1,589
Illinois	369,855	2,258,946	2,430	1,042,162	386,202	2,984	199,961	15,471
Michigan	177,918	1,029,757	721	511,145	199,130	725	108,783	5,846
Wisconsin	103,044	450,934	115	301,982	80,034	618	18,069	1,936
West North Central	**392,229**	**1,511,458**	**2,030**	**1,029,354**	**235,767**	**3,203**	**75,717**	**7,506**
Minnesota	60,701	337,881	157	180,695	61,470	733	17,176	1,993
Iowa	45,023	222,103	211	141,013	30,571	282	7,474	884
Missouri	98,367	558,128	498	304,395	104,942	1,682	42,821	2,936
North Dakota	9,170	31,197	62	150,574	4,592	17	4	74
South Dakota	10,449	40,165	128	33,931	2,553	32	1,350	111
Nebraska	30,962	140,323	200	97,667	13,944	200	3,465	610
Kansas	37,557	181,661	774	121,079	17,695	257	3,427	898
South Atlantic	**399,376**	**1,640,527**	**2,084**	**878,781**	**357,537**	**2,860**	**147,435**	**8,002**
Delaware	9,780	148,850	25	28,216	56,252	60	71,071	477
Maryland	68,654	425,186	272	192,666	89,075	553	35,123	2,794
Dist. of Columbia	48,087	242,283	145	125,771	34,066	484	13,200	1,384
Virginia	38,631	179,294	98	117,608	33,548	313	5,371	726
West Virginia	29,803	136,768	94	89,194	30,573	589	4,363	519
North Carolina	28,860	130,353	178	92,519	36,430	203	3,616	432
South Carolina	13,232	50,257	43	37,053	6,611	69	828	202
Georgia	32,289	163,181	280	100,705	28,925	223	4,409	705
Florida	30,040	164,355	949	95,049	42,057	366	9,454	763
East South Central	**110,794**	**555,520**	**1,170**	**340,655**	**89,842**	**950**	**25,051**	**2,643**
Kentucky	34,623	191,641	104	102,263	40,755	540	12,057	969
Tennessee	34,664	177,388	408	106,121	27,384	213	8,023	871
Alabama	25,818	122,569	225	80,645	15,712	145	4,909	545
Mississippi	15,689	63,922	433	51,626	5,991	52	62	258
West South Central	**201,461**	**1,048,491**	**3,811**	**595,606**	**134,788**	**2,302**	**44,001**	**5,999**
Arkansas	15,813	68,911	135	51,066	6,671	95	392	281
Louisiana	35,093	170,714	313	103,998	27,490	283	5,287	789
Oklahoma	37,000	216,347	819	118,488	27,941	563	9,723	1,501
Texas	113,555	592,519	2,544	322,054	72,686	1,361	28,599	3,428
Mountain	**103,964**	**472,202**	**627**	**310,597**	**65,219**	**682**	**11,248**	**1,983**
Montana	17,067	71,397	56	48,759	8,161	82	1,467	269
Idaho	9,830	38,526	37	31,418	2,814	23	241	98
Wyoming	8,140	30,813	27	24,043	2,496	45	60	96
Colorado	31,268	158,752	136	96,731	31,179	379	3,466	772
New Mexico	6,874	30,876	80	19,925	2,720	17	515	126
Arizona	12,448	60,788	234	35,230	6,069	68	2,742	301
Utah	13,163	59,452	24	41,672	9,130	51	2,251	224
Nevada	5,174	21,598	33	12,819	2,650	17	506	97
Pacific [7]	**402,481**	**2,121,515**	**4,140**	**1,144,325**	**348,657**	**2,318**	**112,747**	**12,293**
Washington [7]	65,240	302,258	362	189,565	38,091	349	19,652	1,135
Oregon	28,194	129,361	319	84,713	12,868	145	3,263	567
California	309,047	1,689,896	3,459	870,047	297,698	1,824	89,832	10,591
Hawaii	8,210	43,291	11	27,487	13,657	65	1,395	159

[1] See Note 1, Table 172.
[2] If not wholly exempt from tax.
[3] Relates to net gain from sale of assets held more than 2 years; this amount, less certain allowable deductions, is exempt from normal tax but subject to a special tax. See note 4, Table 170.
[4] Tax on capital net gain from sale of assets held more than 2 years less tax credit on capital net loss from such sales.

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Analysis by States and Territories, 1929

and per capita tax, in thousands of dollars]

Surtax	Net tax on capital net gain [4]	Tax credit of 25 per cent of tax on earned net income	Net tax	Average per return: Net income	Average per return: Tax	Tax per capita of total population [5]	Per cent of population filing returns [5]	Per cent of United States total: Population [5]	Per cent of United States total: Returns	Per cent of United States total: Net income	Per cent of United States total: Tax	Division and State
682,393	279,275	22,062	1,001,938	6,132	247.74	$8.13	3.28	100.00	100.00	100.00	100.00	Total
53,011	30,506	2,054	95,718	6,461	262.28	11.72	4.47	6.64	9.01	9.50	9.54	N. E.
1,990	1,013	82	3,562	6,044	185.77	4.47	2.40	.65	.47	.47	.36	Me.
1,056	363	44	1,735	5,182	120.97	3.73	3.08	.38	.35	.30	.17	N. H.
685	136	32	1,020	5,207	106.39	2.84	2.67	.29	.24	.20	.10	Vt.
30,869	19,713	1,271	57,857	6,430	271.23	13.61	5.02	3.45	5.27	5.53	5.77	Mass.
4,917	1,943	159	7,851	6,969	296.49	11.42	3.85	.56	.65	.74	.78	R. I.
13,494	7,338	466	23,693	6,844	288.77	14.74	5.11	1.31	2.03	2.26	2.36	Conn.
319,710	143,380	9,873	531,338	7,349	403.21	20.23	5.02	21.32	32.58	39.04	53.03	M. A.
240,707	106,191	6,837	396,687	8,252	523.45	31.51	6.02	10.22	18.74	25.21	39.59	N. Y.
25,480	12,209	1,293	43,956	6,193	224.53	10.88	4.84	3.28	4.84	4.89	4.39	N. J.
53,523	24,980	1,743	90,695	6,091	249.06	9.42	3.78	7.82	9.00	8.94	9.05	Pa.
107,429	55,826	5,074	189,554	5,690	200.99	7.49	3.73	20.55	23.33	21.64	18.92	E. N. C.
24,205	14,008	1,108	43,634	5,837	202.19	6.56	3.25	5.40	5.34	5.08	4.35	Ohio.
4,295	2,628	304	8,208	4,796	107.30	2.53	2.36	2.63	1.89	1.48	.82	Ind.
49,858	23,880	2,384	86,825	6,108	234.75	11.38	4.85	6.20	9.15	9.11	8.67	Ill.
22,423	13,274	944	40,600	5,788	228.19	8.38	3.67	3.93	4.40	4.15	4.05	Mich.
6,648	2,036	334	10,287	4,376	99.83	3.50	3.51	2.39	2.55	1.82	1.03	Wis.
19,600	9,225	1,218	35,110	5,172	180.15	2.64	2.20	10.80	7.23	6.10	3.50	W. N. C.
6,048	2,068	310	9,799	5,566	161.43	3.82	2.37	2.08	1.50	1.36	.98	Minn.
2,261	924	143	3,925	4,933	87.17	1.59	1.82	2.01	1.11	.90	.39	Iowa.
8,775	5,252	546	16,417	5,674	166.89	4.52	2.71	2.95	2.43	2.25	1.64	Mo.
50	[6] 1	12	111	3,402	12.14	.16	1.35	.55	.23	.13	.01	N. Dak.
129	166	15	391	3,844	37.41	.56	1.51	.56	.26	.16	.04	S. Dak.
1,003	404	98	1,919	4,532	61.99	1.39	2.25	1.12	.77	.57	.19	Nebr.
1,334	411	94	2,548	4,837	67.84	1.35	2.00	1.53	.93	.73	.25	Kans.
30,855	16,991	1,201	54,647	5,480	182.54	3.46	1.90	12.82	7.41	6.61	5.46	S. A.
6,210	7,903	65	14,525	15,220	1,485.17	60.93	4.10	.19	.24	.60	1.45	Del.
9,003	4,203	357	15,642	6,193	227.84	9.59	4.21	1.33	1.70	1.71	1.56	Md.
3,656	1,602	233	6,409	5,038	133.27	13.16	9.88	.40	1.19	.98	.64	D. C.
1,962	626	113	3,201	4,641	82.86	1.32	1.60	1.97	.96	.72	.32	Va.
1,343	518	82	2,299	4,589	77.14	1.33	1.72	1.40	.74	.55	.23	W. Va.
2,549	388	85	3,283	4,517	113.75	1.04	.91	2.57	.71	.53	.33	N. C.
298	102	36	566	3,798	42.79	.33	.76	1.41	.33	.20	.06	S. C.
1,686	531	136	2,786	5,054	86.28	.96	1.11	2.36	.80	.66	.28	Ga.
4,148	1,120	94	5,936	5,471	197.62	4.04	2.05	1.19	.74	.66	.59	Fla.
6,216	3,029	377	11,513	5,014	103.91	1.16	1.12	8.02	2.74	2.25	1.15	E. S. C.
2,783	1,447	122	5,077	5,535	146.63	1.94	1.32	2.12	.85	.77	.51	Ky.
2,049	967	140	3,748	5,117	108.11	1.43	1.32	2.12	.86	.72	.37	Tenn.
1,020	609	87	2,088	4,748	80.86	.79	.98	2.15	.64	.50	.21	Ala.
364	6	28	600	4,074	38.25	.30	.78	1.63	.39	.26	.06	Miss.
11,722	5,310	570	22,461	5,204	111.49	1.84	1.65	9.90	4.98	4.23	2.24	W. S. C.
416	49	32	713	4,358	45.09	.38	.85	1.51	.39	.28	.07	Ark.
1,528	632	89	2,860	4,865	81.49	1.36	1.67	1.71	.87	.69	.29	La.
3,528	1,170	178	6,021	5,847	162.73	2.51	1.54	1.95	.91	.87	.60	Okla.
6,250	3,459	271	12,867	5,218	113.31	2.21	1.95	4.73	2.81	2.39	1.28	Tex.
4,546	1,302	252	7,578	4,542	72.89	2.05	2.81	2.99	2.57	1.91	.76	Mt.
630	153	32	1,019	4,183	59.72	1.90	3.17	.44	.42	.29	.10	Mont.
68	30	12	184	3,919	18.75	.41	2.21	.36	.24	.16	.02	Idaho.
97	7	11	189	3,785	23.21	.84	3.61	.18	.20	.12	.02	Wyo.
2,465	403	106	3,534	5,077	113.04	3.41	3.02	.84	.77	.64	.35	Colo.
122	63	11	300	4,492	43.63	.71	1.62	.34	.17	.12	.03	N. M.
499	343	29	1,114	4,883	89.47	2.56	2.86	.35	.31	.25	.11	Ariz.
442	254	38	882	4,517	66.98	1.74	2.59	.41	.33	.24	.09	Utah.
223	49	13	356	4,174	68.89	3.91	5.68	.07	.13	.09	.04	Nev.
26,381	13,538	1,415	52,799	5,271	131.18	6.40	4.88	6.66	9.95	8.55	5.28	Pac. [7]
2,361	2,396	118	5,775	4,633	88.52	3.56	4.17	1.27	1.61	1.22	.58	Wash. [7]
792	400	96	1,664	4,588	59.01	1.74	2.96	.78	.70	.52	.17	Oreg.
25,228	10,742	1,201	45,360	5,468	146.77	7.99	5.44	4.61	7.64	6.81	4.53	Calif.
923	167	29	1,220	5,273	148.64	3.31	2.23	.30	.20	.17	.12	Hawaii.

[5] Based on Fifteenth Census (Apr. 1, 1930).

[6] Excess of tax credit on capital net loss from sale of assets over 2 years over tax on capital net gain from such sales.

[7] Includes figures for Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 177.—INDIVIDUAL INCOME TAX RETURNS: INCOME DISTRIBUTED BY SOURCES, BY STATES AND TERRITORIES, 1929

[All figures in thousands of dollars]

Division and State	Total income	From personal industry and business				From property			
		Wages and salaries	Business	Partnerships	Profits from sale of real estate, securities, etc.[1]	Rents and royalties	Dividends	Interest and investment income[2]	Interest on Government obligations[3]
Total	**29,946,952**	**11,198,979**	**3,378,964**	**1,853,143**	**4,684,560**	**1,286,072**	**4,786,028**	**2,719,002**	**40,184**
New England	**2,750,191**	**933,604**	**273,148**	**110,229**	**513,676**	**73,405**	**571,830**	**270,637**	**3,660**
Maine	135,285	40,860	21,252	5,378	20,152	4,304	25,159	17,953	227
New Hampshire	83,951	26,836	13,309	3,815	10,761	3,149	17,089	8,873	118
Vermont	56,697	20,322	8,941	3,213	5,771	1,678	10,278	6,402	92
Massachusetts	1,610,142	564,596	151,754	67,354	307,902	37,196	323,201	155,977	2,161
Rhode Island	212,413	71,161	20,631	8,615	34,950	6,617	47,055	23,089	294
Connecticut	651,703	209,829	57,261	21,854	134,140	20,461	149,048	58,343	768
Middle Atlantic	**11,672,619**	**4,095,124**	**1,035,290**	**877,726**	**2,210,554**	**298,196**	**1,985,517**	**1,156,107**	**14,106**
New York	7,572,847	2,516,830	597,608	689,630	1,559,145	164,600	1,284,831	750,926	9,278
New Jersey	1,417,072	614,780	142,519	61,976	204,945	41,518	212,563	137,646	1,124
Pennsylvania	2,682,700	963,514	295,163	126,120	446,464	92,078	488,123	267,535	3,704
East North Central	**6,474,551**	**2,739,646**	**678,929**	**304,825**	**930,342**	**314,963**	**983,214**	**512,590**	**10,039**
Ohio	1,491,899	650,029	152,393	64,513	219,496	66,814	260,187	74,005	4,462
Indiana	432,418	204,900	60,866	22,632	42,615	21,471	57,661	21,023	1,250
Illinois	2,716,568	1,137,811	264,826	142,658	399,591	140,273	386,202	242,223	2,984
Michigan	1,294,857	514,296	134,662	52,170	212,936	65,208	199,130	115,728	725
Wisconsin	538,809	232,610	66,182	22,852	55,704	21,197	80,034	59,611	618
West North Central	**1,908,015**	**728,983**	**368,033**	**118,393**	**184,638**	**116,945**	**235,767**	**152,053**	**3,203**
Minnesota	404,481	161,360	54,451	23,695	50,451	14,938	61,470	37,382	733
Iowa	263,972	84,814	64,297	20,332	19,193	19,890	30,571	24,593	282
Missouri	660,888	297,635	69,362	28,646	78,923	30,993	104,942	48,705	1,682
North Dakota	140,502	42,121	61,593	10,103	3,239	9,314	4,592	9,523	17
South Dakota	47,026	15,663	15,022	4,254	3,178	3,032	2,553	3,291	32
Nebraska	171,228	63,577	41,696	11,977	12,075	13,692	13,944	14,067	200
Kansas	219,921	63,813	61,612	19,386	17,579	25,086	17,695	14,492	257
South Atlantic	**2,000,656**	**790,744**	**211,352**	**96,220**	**276,367**	**88,830**	**357,537**	**176,748**	**2,860**
Delaware	189,601	26,414	7,288	2,733	80,049	2,290	56,252	14,526	60
Maryland	486,310	178,074	43,767	24,950	74,603	15,036	89,075	60,253	553
Dist. of Col	277,681	139,578	27,946	9,470	29,306	10,528	34,066	26,303	484
Virginia	218,483	97,598	29,386	12,056	17,735	11,359	33,548	16,489	313
West Virginia	168,477	71,620	23,344	9,408	16,406	9,831	30,573	6,706	589
North Carolina	177,915	78,110	20,876	11,059	11,335	11,914	36,430	7,988	203
South Carolina	61,846	30,159	8,555	4,157	3,980	3,233	6,611	5,082	69
Georgia	201,408	96,846	23,252	12,738	15,029	11,882	28,925	12,513	223
Florida	218,935	72,345	26,938	9,649	27,924	12,767	42,057	26,888	366
East South Central	**674,704**	**280,325**	**94,172**	**51,140**	**67,540**	**42,117**	**89,841**	**48,620**	**950**
Kentucky	229,056	86,395	27,915	13,114	33,974	11,544	40,755	14,820	540
Tennessee	213,576	95,338	27,434	16,883	19,243	12,543	27,384	14,538	213
Alabama	150,161	67,011	19,156	12,041	11,621	11,403	15,712	13,072	145
Mississippi	81,911	31,581	19,667	9,102	2,702	6,627	5,990	6,190	52
West South Central	**1,318,203**	**472,271**	**224,409**	**113,776**	**137,448**	**131,608**	**134,788**	**101,800**	**2,302**
Arkansas	85,869	33,115	17,126	10,041	3,817	8,475	6,671	6,528	95
Louisiana	212,089	89,744	28,872	14,929	17,760	15,056	27,490	17,955	283
Oklahoma	268,665	96,918	43,774	20,395	31,989	30,509	27,941	16,575	563
Texas	751,580	252,494	134,637	68,411	83,882	77,568	72,686	60,542	1,361
Mountain	**549,333**	**219,287**	**111,890**	**35,849**	**46,141**	**25,677**	**65,220**	**44,663**	**681**
Montana	80,290	36,279	16,510	5,586	5,190	3,311	8,161	5,173	82
Idaho	44,298	17,592	13,290	3,439	1,776	2,001	2,814	3,353	23
Wyoming	34,673	15,886	8,554	2,399	1,419	1,622	2,496	2,254	45
Colorado	191,304	68,500	34,136	10,173	18,687	9,275	31,179	18,974	379
New Mexico	35,220	11,648	10,282	3,366	2,198	2,117	2,720	2,871	17
Arizona	70,521	28,015	12,923	4,889	8,632	4,188	6,069	5,739	67
Utah	68,735	31,483	11,425	3,893	6,041	2,220	9,130	4,493	51
Nevada	24,292	9,884	4,700	2,104	2,198	933	2,651	1,806	17
Pacific	**2,546,313**	**917,276**	**376,354**	**143,715**	**313,980**	**191,932**	**348,657**	**252,081**	**2,318**
Washington[4]	352,077	144,881	61,439	17,125	43,309	17,193	38,091	29,691	349
Oregon	150,134	65,751	29,675	10,096	9,817	8,372	12,868	13,410	145
California	2,044,102	706,644	285,240	116,494	260,854	166,367	297,698	208,980	1,824
Hawaii	52,364	21,719	5,477	1,270	3,874	2,399	13,657	3,903	65

[1] Includes capital net gain from sale of assets held more than 2 years. (See Table 176.)
[2] Including fiduciary income.
[3] If not wholly exempt from tax.
[4] Includes Alaska.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 178.—GROSS INCOME OF CORPORATIONS: BY INDUSTRIAL GROUPS

NOTE.—Gross income excludes nontaxable income, except dividends on capital stock of domestic corporations, but includes receipts from all other sources. Sales are included on a gross basis but only net profits from the sale of real estate, stocks, bonds, and other capital assets are included. Data are not comparable with "total income" of individuals shown in other tables. See also Table 179

[In millions of dollars]

Industrial group	1922	1923	1924	1925	1926	1927	1928	1929
Total	100,921	118,564	119,229	134,260	142,130	144,398	157,255	160,622
Agriculture and related industries	705	774	810	794	864	822	825	882
Mining and quarrying	3,695	4,863	4,849	4,925	4,548	3,837	3,589	4,048
Manufacturing, total	44,683	56,221	53,911	60,830	62,495	63,722	67,273	72,133
Foods, beverages, and tobacco	8,865	10,078	11,847	13,400	13,476	13,914	14,249	14,768
Textiles and textile products	6,795	7,857	7,189	7,716	7,753	7,807	7,837	8,233
Leather and leather products	1,464	1,597	1,507	1,515	1,661	1,731	1,722	1,741
Rubber and rubber goods	943	1,079	1,122	1,469	1,600	1,447	1,386	1,427
Lumber and wood products	2,402	2,975	2,835	2,968	3,069	2,804	2,842	2,795
Paper, pulp, and products	1,162	1,444	1,364	1,491	1,652	1,669	1,728	1,796
Printing and publishing	1,847	1,985	2,166	2,282	2,547	2,566	2,680	2,871
Chemicals and allied substances	5,711	6,108	5,890	7,065	8,090	8,768	9,551	10,288
Stone, clay, and glass products	1,172	1,364	1,383	1,502	1,665	1,600	1,655	1,655
Metals and metal products	9,976	16,601	15,939	19,110	18,454	19,185	21,174	24,093
All other manufacturing	4,345	5,133	2,668	2,311	2,527	2,229	2,449	2,466
Construction	1,766	2,224	2,210	2,306	2,816	3,056	2,978	3,082
Transportation and public utilities [1]	9,754	10,527	10,176	11,881	14,764	15,140	15,802	17,084
Trade	28,677	32,274	35,115	39,847	40,938	40,944	43,204	43,494
Public service	2,216	2,419	2,632	2,839	3,360	3,587	3,828	4,192
Finance, banking, insurance, etc.	8,932	8,464	9,072	10,517	12,300	13,204	19,708	15,659
Predominant branch not ascertainable and inactive concerns	491	799	454	322	45	86	48	48

[1] Data prior to 1925 incomplete as these corporations to a large extent reported merely net income.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue.

No. 179.—CORPORATION INCOME TAX RETURNS: RECEIPTS, DEDUCTIONS, PROFITS AND TAX, ALL CORPORATIONS, 1926 to 1929, AND BY INDUSTRIAL GROUPS, 1929

[All figures in millions or millions and tenths of millions of dollars]

	Aggregate				Manufacturing			
	1926	1927	1928	1929	Total	Food	Textiles	Leather
Receipts, total [1]	142,629	144,899	157,843	161,158	72,224	14,776.5	8,239.8	1,741.7
Gross sales	106,206	106,864	112,436	118,101	69,236	14,474.1	8,077.3	1,708.5
Gross profits from sales [2]	*23,783*	*23,377*	*25,171*	*27,100*	*17,117*	*2,705.4*	*1,456.2*	*295.1*
Gross profits other than from sales	9,332	9,420	10,334	[3] 28,598	883	58.4	40.9	6.8
Interest	3,712	3,989	4,476	5,036	459	65.8	27.4	5.8
Rents and royalties	21,373	22,467	28,092	2,391	173	27.7	19.2	2.9
Miscellaneous income				[3] 3,903	798	93.5	58.4	14.9
Tax-exempt income—								
Dividends of other domestic corporations	1,506	1,658	1,917	2,593	583	48.1	10.0	2.2
Interest on Federal, State and municipal bonds	500	501	593	536	92	8.9	6.6	.6
Deductions, total	133,119	136,230	147,112	149,289	67,143	14,139.3	8,062.3	1,698.6
Cost of goods sold	82,484	83,487	87,265	91,076	52,165	11,770.9	6,631.2	1,417.5
Interest paid	3,989	4,375	4,582	4,925	712	143.7	72.9	12.5
Taxes paid other than income tax	1,878	2,014	2,203	2,222	617	88.0	54.7	8.8
Depreciation and depletion	3,841	3,848	4,113	4,430	2,018	220.7	154.0	19.2
Miscellaneous deductions	40,927	42,506	48,949	46,636	11,631	1,916.0	1,149.5	240.6
Net profits	9,510	8,669	10,736	11,869	5,081	637.2	177.5	43.2
Deduct tax-exempt items (above)	2,005	2,159	2,510	3,130	675	57.0	16.6	2.8
Net income	7,505	6,510	8,226	8,740	4,406	580.2	160.9	40.4
Deduct prior year loss	236	244	301	392	200	15.5	11.4	1.4
Net income, deducting prior year loss	7,269	6,266	7,925	8,348	4,206	564.7	149.5	39.1
Total tax	1,230	1,131	1,184	1,193	544	70.9	33.2	8.1
Net profit after deducting tax	8,280	7,538	9,552	10,676	4,537	566.3	144.3	35.1

[1] Includes net profits from sale of real estate, stocks, bonds, etc., and other capital assets, but not gross receipts from these items. Excludes nontaxable income, other than interest on tax-exempt obligations and dividends on stock of domestic corporations.

[2] Gross sales less cost of goods shown under deductions.

[3] Not comparable with data for earlier years as in 1929 for certain industrial groups, "Transportation and other public utilities," "Service," "Finance," and "Nominal concerns," amounts formerly included under "Miscellaneous receipts" were tabulated under "Gross profits other than from sales."

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No. 179.—Corporation Income Tax Returns: Receipts, Deductions, Profits, and Tax, All Corporations, 1926 to 1929, and by Industrial Groups, 1929—Continued

[All figures in millions and tenths of millions of dollars]

	Manufacturing							
	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metal	All other
Receipts, total [1]	1,427.7	2,797.1	1,797.9	2,874.8	10,316.0	1,658.6	24,125.9	2,467.8
Gross sales	1,384.4	2,684.1	1,725.9	2,639.7	9,213.9	1,612.5	23,370.7	2,344.5
Gross profits from sales [2]	*314.1*	*657.3*	*445.6*	*915.8*	*3,016.2*	*538.2*	*6,086.4*	*706.6*
Gross profits other than from sales	7.3	26.9	5.7	137.5	475.8	6.6	93.6	23.2
Interest	8.6	18.1	17.3	20.3	63.1	8.6	206.6	17.0
Rents and royalties	4.9	11.9	3.7	20.6	21.9	4.1	48.8	7.8
Miscellaneous income	10.0	45.2	21.1	33.0	178.6	19.4	276.1	47.5
Tax-exempt income—								
Dividends of other domestic corporations	12.0	8.6	22.4	19.9	334.2	4.0	96.7	25.5
Interest on Federal, State, and municipal bonds	.5	2.3	1.8	3.8	28.5	3.4	33.4	2.3
Deductions, total	1,398.1	2,719.1	1,669.2	2,628.0	9,098.8	1,521.1	21,874.3	2,334.0
Cost of goods sold	1,071.1	2,050.2	1,281.8	1,727.1	6,199.2	1,075.1	17,293.1	1,647.7
Interest paid	23.9	43.7	33.4	32.9	117.1	19.8	191.0	21.2
Taxes paid other than income tax	8.9	38.0	20.9	22.5	144.0	16.0	198.5	16.3
Depreciation and depletion	36.5	127.5	64.7	63.6	588.8	76.8	613.9	52.1
Miscellaneous deductions	257.7	459.7	268.4	781.9	2,049.7	333.4	3,577.8	596.7
Net profits	29.6	78.0	128.7	246.8	1,217.2	137.6	2,251.7	133.8
Deduct tax-exempt items (above)	12.4	10.9	24.2	23.7	362.7	7.4	130.0	27.8
Net income	17.1	67.1	104.5	223.1	854.5	130.2	2,121.7	106.0
Deduct prior year loss	1.0	7.5	2.8	4.9	16.5	3.1	126.8	8.8
Net income, deducting prior year loss	16.1	59.6	101.7	218.2	838.0	127.1	1,994.9	97.2
Total tax	8.1	13.4	13.2	28.0	98.1	17.3	236.5	19.3
Net profit after deducting tax	23.5	64.6	115.5	218.8	1,119.1	120.3	2,015.2	114.6

	Agriculture	Mining and quarrying	Construction	Transportation and other public utilities	Trade	Public service	Finance	Nominal concerns
Receipts, total [1]	883.4	4,059.1	3,085.8	17,113.5	43,506.3	4,193.4	16,045.0	47.7
Gross sales	730.3	3,552.6	2,392.6	----------	42,190.3	----------	----------	----------
Gross profits from sales [2]	*269.0*	*1,187.7*	*377.5*	----------	*8,148.9*	----------	----------	----------
Gross profits other than from sales	84.4	214.5	515.6	14,833.9	518.8	3,798.9	[3] 7,712.3	36.4
Interest	10.2	44.9	23.1	332.8	152.9	40.7	3,969.9	2.6
Rents and royalties	14.0	30.1	29.6	281.2	154.1	158.7	1,548.1	1.4
Miscellaneous income	34.9	145.8	107.3	804.3	419.1	134.0	1,456.8	2.8
Tax-exempt income—								
Dividends of other domestic corporations	8.7	59.7	13.7	831.8	59.3	59.6	972.4	4.4
Interest on Federal, State, and municipal bonds	.9	11.5	3.9	29.5	11.8	1.5	385.6	.1
Deductions, total	854.5	3,755.8	2,959.9	14,350.2	42,705.4	3,872.1	[4] 13,498.4	49.6
Cost of goods sold	464.0	2,374.2	2,017.1	----------	34,055.4	----------	----------	----------
Interest paid	31.1	111.3	40.5	1,451.5	276.9	132.8	2,166.1	2.5
Taxes paid other than income tax	27.9	91.5	15.6	664.3	204.8	77.2	523.7	1.0
Depreciation and depletion	48.1	471.1	72.2	1,011.2	301.9	193.1	313.1	1.1
Miscellaneous deductions	283.4	707.7	814.5	11,223.2	7,866.4	3,569.0	[3] 10,495.5	45.0
Net profits	28.9	303.3	125.8	2,763.3	800.9	321.3	2,546.7	[5] 1.9
Deduct tax-exempt items (above)	9.7	71.2	17.5	861.3	71.1	61.1	1,358.0	4.5
Net income	19.2	232.1	108.3	1,902.0	729.8	160.2	1,188.7	[5] 6.4
Deduct prior year loss	4.9	20.5	11.4	47.8	42.2	16.9	48.6	.2
Net income, deducting prior year loss	14.3	211.6	96.9	1,854.2	687.6	143.3	1,140.1	[5] 6.6
Total tax	6.8	44.3	16.5	222.5	107.1	29.6	222.4	.1
Net profit after deducting tax	22.1	259.0	109.3	2,540.8	693.8	191.7	2,324.3	[5] 2.0

[1] Includes net profits from sale of real estate, stocks, bonds, etc., and other capital assets, but not gross receipts from these items. Excludes nontaxable income other than interest on tax-exempt obligations and dividends on stock of domestic corporations.

[2] Gross sales less cost of goods shown under deductions.

[3] Includes for a limited number of returns the cost of securities purchased for customers.

[4] Includes special nonexpense deductions of life-insurance companies.

[5] Deficit.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 180.—CORPORATION DIVIDENDS: As Shown in Income Tax Returns

Note.—Dividends of life insurace companies are not included. The total cash and stock dividends for earlier years are as follows: 1922, cash, $3,436,715,000, stock, $3,348,000,000; 1923, cash, $4,169,100,000, stock, $891,300,000; 1924, cash, $4,338,800,000, stock, $510,500,000; 1925, cash, $5,189,500,000, stock, $544,400,000

[All figures in millions and tenths of millions of dollars]

Industrial group	1926		1927		1928		1929	
	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends	Cash dividends	Stock dividends
Total	**5,945.3**	**757.6**	**6,423.2**	**702.5**	**7,073.7**	**550.1**	**8,355.6**	**1,288.6**
Agriculture and related industries	32.3	1.6	47.1	1.4	50.4	1.1	33.5	5.4
Mining and quarrying	402.7	19.5	329.9	5.3	311.0	10.8	425.1	39.4
Manufacturing, total	2,544.2	463.4	2,602.6	248.0	2,981.6	269.8	3,158.8	409.7
Foods, beverages, and tobacco	327.2	41.1	365.9	71.0	375.0	19.1	449.7	51.5
Textiles and textile products	185.3	25.5	195.5	20.9	198.0	19.5	189.3	18.4
Leather and leather products	33.3	10.2	29.3	15.0	47.7	10.8	39.4	2.5
Rubber and rubber goods	41.3	1.2	58.4	2.3	27.4	6.4	46.1	18.3
Lumber and wood products	124.3	15.1	108.6	9.7	112.6	11.6	103.0	12.4
Paper, pulp, and products	56.2	6.1	65.9	9.9	80.7	12.0	79.5	1.6
Printing, and publishing	121.9	6.8	137.7	17.4	128.1	5.5	152.7	17.1
Chemicals and allied substances	544.3	91.5	521.3	12.4	771.1	95.5	819.9	189.7
Stone, clay, and glass products	101.5	13.7	85.9	5.8	83.3	17.4	90.8	11.5
Metals and metal products	889.9	239.6	956.8	76.8	1,054.0	56.5	1,078.3	76.5
All other manufacturing	119.0	12.5	77.3	6.8	103.8	15.6	110.1	10.2
Construction	55.3	10.1	75.1	16.1	65.4	11.3	77.8	12.6
Transportation and public utilities	1,276.7	68.1	1,606.9	64.2	1,652.9	44.3	2,092.7	40.2
Trade	525.3	80.2	553.5	127.9	561.7	74.4	624.9	97.7
Public service	125.2	12.9	133.7	46.6	134.3	12.9	176.5	7.4
Finance—banking, insurance, etc	978.6	100.5	1,069.0	192.8	1,313.9	125.4	1,762.8	675.6
Predominant branch not ascertainable and nominal concerns	5.0	1.3	5.3	.2	2.6	.1	3.5	.6

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 181.—ASSETS AND LIABILITIES OF CORPORATIONS: As of December 31, or at Close of Fiscal Year Nearest Thereto

[All money figures in millions of dollars]

	Total [1]				Agriculture		Mining and quarrying		Manufacturing, total	
	1926	1927	1928	1929	1928	1929	1928	1929	1928	1929
Number of corporations submitting balance sheets	369,449	379,150	443,611	398,815	7,130	7,443	10,366	10,219	84,925	86,112
Assets, total [2]	**262,179**	**287,542**	**307,218**	**335,778**	**2,054**	**2,140**	**10,799**	**11,832**	**67,060**	**70,282**
Cash [3]	16,802	16,851	21,952	22,371	51	60	413	421	3,895	3,847
Notes and accounts receivable [4]	23,551	[5] 50,959	[5] 62,804	[5] 66,811	210	218	745	837	9,502	9,572
Inventory	20,939	21,005	20,752	21,911	189	198	515	694	12,012	12,614
Tax-exempt investments	8,694	9,781	10,116	10,338	41	27	264	265	2,182	1,973
Other investments—stocks, bonds, loans, etc	(6)	(6)	(6)	55,844	(6)	204	(6)	1,346	(6)	7,182
Real estate, buildings, and equipment (less depreciation)	97,524	104,945	109,932	116,446	1,177	1,231	6,647	7,264	27,025	28,235
Miscellaneous [7]	94,669	84,001	81,662	42,057	386	202	2,215	1,005	12,444	6,859
Liabilities, total [2]	**262,179**	**287,542**	**307,218**	**335,778**	**2,054**	**2,140**	**10,799**	**11,832**	**67,060**	**70,282**
Notes and accounts payable	24,042	24,126	27,437	29,452	399	376	854	976	7,449	7,418
Bonded debt and mortgages	31,801	34,740	42,943	46,643	160	222	975	1,037	5,446	5,450
Miscellaneous [8]	87,076	96,274	93,950	94,714	139	150	1,173	1,000	4,147	4,720
Capital stock	84,663	91,881	95,732	109,858	1,059	1,051	5,793	6,252	32,492	33,228
Preferred	17,146	17,800	18,476	19,738	138	116	487	537	7,563	7,009
Common	67,517	74,081	77,256	90,120	921	935	5,306	5,715	24,929	26,219
Surplus	*39,154*	*45,414*	*52,069*	*60,699*	*449*	*507*	*2,752*	*3,320*	*18,933*	*21,017*
Less deficit	*4,557*	*4,893*	*4,913*	*5,588*	*152*	*166*	*748*	*753*	*1,407*	*1,551*
Net surplus	34,597	40,521	47,156	55,111	297	341	2,004	2,567	17,526	19,466

For footnotes, see p. 188.

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No. 181.—Assets and Liabilities of Corporations: As of December 31, or at Close of Fiscal Year Nearest Thereto—Continued

[All money figures in millions of dollars]

	Major manufacturing groups, 1929									
	Food, etc.	Textiles	Leather	Rubber	Lumber	Paper	Printing	Chemicals	Stone, etc.	Metals
Number of corporations submitting balance sheets	13,413	13,662	2,347	587	7,094	2,020	10,067	6,519	4,264	19,268
Assets, total [2]	9,800	6,623	1,198	1,422	3,672	2,573	2,888	14,031	2,393	23,079
Cash [3]	530	378	81	94	122	96	149	560	107	1,565
Notes and accounts receivable [4]	1,239	1,209	270	233	620	321	453	1,254	251	3,244
Inventory	1,943	1,799	404	284	705	322	223	1,847	331	4,198
Tax-exempt investments	197	139	17	12	54	41	92	348	76	927
Other investments—stocks, bonds, loans, etc.	1,048	303	79	134	264	401	329	1,884	130	2,387
Real estate, buildings, and equipment (less depreciation)	3,712	2,440	265	492	1,723	1,225	903	6,073	1,317	9,339
Miscellaneous [7]	1,131	355	82	173	184	167	689	2,065	181	1,419
Liabilities, total [2]	9,800	6,623	1,198	1,422	3,672	2,573	2,888	14,031	2,393	23,079
Notes and accounts payable	1,262	1,153	202	183	595	196	374	1,012	201	1,853
Bonded debt and mortgages	977	261	36	251	238	351	300	1,161	206	1,543
Miscellaneous [5]	565	350	68	61	231	242	351	981	117	1,560
Capital stock	4,893	3,293	645	775	1,495	1,113	1,042	7,200	1,286	10,186
Preferred	1,378	857	199	291	217	245	214	630	313	2,387
Common	3,515	2,436	446	484	1,278	868	828	6,570	973	7,799
Surplus	*2,801*	*1,815*	*288*	*224*	*1,260*	*699*	*864*	*3,886*	*646*	*8,278*
Less deficit	*198*	*249*	*41*	*72*	*147*	*28*	*95*	*209*	*63*	*341*
Net surplus	2,103	1,566	247	152	1,113	671	771	3,677	583	7,937

	Construction		Transportation and other public utilities		Trade		Public service		Finance, banking, insurance, etc.	
	1928	1929	1928	1929	1928	1929	1928	1929	1928	1929
Number of corporations submitting balance sheets	15,289	16,355	16,770	17,258	114,068	117,583	26,505	28,710	108,123	113,463
Assets, total [2]	2,690	3,095	71,380	77,792	21,481	21,842	5,857	7,320	125,692	140,724
Cash [3]	197	208	1,571	1,634	1,293	1,283	249	440	14,278	14,471
Notes and accounts receivable [4]	816	876	3,628	3,974	6,297	6,305	547	833	41,029	44,129
Inventory	263	305	1,000	1,119	5,907	5,862	178	191	675	921
Tax-exempt investments	84	95	475	287	325	263	43	45	6,690	7,380
Other investments—stocks, bonds, loans, etc.	(6)	381	(6)	9,326	(6)	1,501	(6)	1,830	(6)	34,020
Real estate, buildings, and equipment (less depreciation)	756	857	48,887	52,205	4,910	4,967	3,522	3,814	16,969	17,819
Miscellaneous [7]	574	373	15,819	9,247	2,749	1,661	1,318	667	46,051	21,984
Liabilities, total [2]	2,690	3,095	71,380	77,792	21,481	21,842	5,857	7,320	125,692	140,724
Notes and accounts payable	818	846	3,585	4,449	5,646	5,730	928	954	7,724	8,654
Bonded debt and mortgages	220	351	25,696	26,619	1,044	1,253	1,291	1,563	8,103	10,135
Miscellaneous [8]	402	504	6,522	7,038	1,180	1,339	555	802	79,815	78,544
Capital stock	808	884	25,741	28,131	9,252	9,317	2,386	2,519	18,056	28,282
Preferred	139	152	4,960	5,655	1,889	1,851	514	616	2,768	3,770
Common	669	732	20,781	22,476	7,363	7,466	1,872	1,903	15,288	24,512
Surplus	*557*	*681*	*10,463*	*11,770*	*4,977*	*4,884*	*946*	*2,295*	*12,950*	*16,239*
Less deficit	*115*	*111*	*627*	*815*	*618*	*681*	*249*	*313*	*856*	*1,190*
Net surplus	442	510	9,836	10,955	4,359	4,203	697	1,982	11,994	15,109

[1] Includes nominal concerns, nature of business not given, not shown separately.
[2] Less deficit.
[3] In till and deposits in banks.
[4] Less reserve for bad debts.
[5] Includes loans and discounts of banks included in "miscellaneous" in 1926.
[6] Included in "Miscellaneous."
[7] Includes patents, good will, formulas, trade-marks, and all other items not shown separately. Prior to 1929, miscellaneous assets also include all stocks and bonds other than tax-exempt obligations, and loans, mortgages, etc., except loans and discounts reported by banks in 1927 and 1928; for 1929, only such items reported by life insurance companies.
[8] Includes reserves, other than surplus reserves and reserves for depreciation and bad debts; accrued expenses; unadjusted credits; deposits (time, saving, demand, etc.) and note circulation reported by banks; policy claims, capital stock, and surplus for life insurance companies.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 182.—CORPORATION INCOME TAX RETURNS: BY STATES AND TERRITORIES, 1926 TO 1929

[All figures in thousands of dollars]

Division and State	Net income (corporations reporting net income)				Income tax			
	1926	1927	1928	1929	1926	1927	1928	1929
Total	9,673,403	8,981,884	10,617,741	11,653,886	1,229,797	1,130,674	1,184,142	1,193,436
New England	602,608	643,658	698,336	756,553	75,827	78,523	76,987	76,418
Maine	32,529	36,574	34,915	35,379	3,909	4,327	3,703	3,432
New Hampshire	9,293	11,148	11,398	11,948	1,065	1,240	1,168	1,117
Vermont	10,429	9,927	10,314	10,255	1,230	1,164	1,038	963
Massachusetts	382,932	399,971	412,506	444,570	48,500	49,174	45,923	44,620
Rhode Island	43,396	49,046	51,732	54,487	5,477	5,791	5,585	5,504
Connecticut	124,029	136,992	177,471	199,914	15,646	16,827	19,570	20,782
Middle Atlantic	4,054,794	3,701,485	4,530,879	5,151,840	521,600	472,045	512,905	540,903
New York	2,770,885	2,545,507	3,248,917	3,646,922	356,409	324,573	367,733	383,110
New Jersey	342,090	349,484	376,247	444,895	42,830	43,337	41,171	45,680
Pennsylvania	941,819	806,494	905,715	1,060,023	122,361	104,135	104,001	112,113
East North Central	2,420,711	2,268,164	2,645,749	2,875,791	310,224	290,040	298,331	290,062
Ohio	530,119	505,740	589,966	687,231	66,541	63,487	64,775	71,393
Indiana	129,344	115,760	122,603	124,080	15,748	13,965	12,902	11,980
Illinois	901,782	836,588	1,012,940	1,103,647	116,559	107,499	115,222	115,133
Michigan	672,422	624,658	735,671	762,435	88,183	81,971	85,310	71,628
Wisconsin	187,044	185,418	184,569	198,398	23,193	23,118	20,122	19,928
West North Central	623,441	547,185	628,595	652,551	77,507	67,236	67,346	65,141
Minnesota	130,212	117,224	155,637	146,669	16,155	14,227	17,091	14,697
Iowa	56,751	53,292	65,510	68,046	6,586	6,154	6,604	6,309
Missouri	267,510	239,671	256,781	262,695	33,948	30,281	27,953	26,786
North Dakota	6,574	5,412	5,688	4,538	422	399	321	251
South Dakota	3,437	5,230	6,229	6,296	257	387	395	394
Nebraska	27,498	26,750	30,623	30,079	3,122	2,982	2,883	2,662
Kansas	131,459	99,606	108,127	134,228	17,017	12,807	12,099	13,952
South Atlantic	741,726	699,650	778,806	893,883	93,018	87,302	86,416	91,927
Delaware	82,896	116,890	189,783	272,455	10,815	15,548	22,067	29,423
Maryland	118,166	104,113	156,352	165,645	14,934	13,189	17,573	16,851
Dist. of Columbia	65,987	55,838	55,898	52,909	8,671	7,225	6,423	5,460
Virginia	135,859	123,648	118,505	132,956	17,284	15,770	13,166	13,794
West Virginia	76,152	57,024	51,923	59,047	9,415	6,996	5,445	5,757
North Carolina	102,879	114,607	96,562	104,314	13,017	14,147	10,770	10,863
South Carolina	15,325	24,791	17,816	16,161	1,693	2,694	1,804	1,464
Georgia	61,824	70,521	64,903	62,281	7,564	8,320	6,892	6,105
Florida	82,638	32,218	27,064	28,114	9,625	3,413	2,276	2,210
East South Central	197,958	181,516	184,999	179,664	24,085	21,712	19,332	17,364
Kentucky	77,203	72,270	75,154	77,305	9,612	8,893	8,172	7,746
Tennessee	66,927	61,403	65,893	59,533	8,177	7,405	7,039	5,744
Alabama	40,662	35,667	31,252	29,089	4,861	4,172	3,055	2,643
Mississippi	13,166	12,176	12,700	13,737	1,435	1,242	1,066	1,131
West South Central	364,919	272,067	330,498	365,953	44,967	31,983	34,260	34,419
Arkansas	18,597	16,260	17,064	17,566	2,123	1,811	1,572	1,451
Louisiana	62,497	56,861	60,221	53,648	7,554	6,753	6,122	4,980
Oklahoma	84,301	56,608	79,233	105,607	10,327	6,368	8,125	9,795
Texas	199,524	142,338	173,980	189,132	24,863	17,051	18,441	18,193
Mountain	123,717	104,987	128,716	128,807	14,607	11,809	12,441	11,663
Montana	13,937	13,312	14,643	11,941	1,519	1,361	1,249	941
Idaho	7,707	5,930	6,645	7,525	837	587	535	505
Wyoming	5,233	4,920	5,737	3,976	534	492	457	262
Colorado	62,872	47,759	59,932	52,349	7,812	5,647	6,109	5,084
New Mexico	3,708	3,998	4,621	4,320	395	418	415	354
Arizona	8,813	7,780	9,811	18,992	1,011	865	936	1,732
Utah	18,566	17,179	20,363	19,933	2,183	1,952	2,004	1,814
Nevada	2,881	4,109	6,964	9,771	316	487	736	971
Pacific	517,006	534,145	657,065	619,179	64,600	66,248	72,194	62,547
Washington	63,300	62,700	75,391	76,230	7,286	7,222	7,419	6,986
Oregon	26,867	23,695	29,385	30,026	2,995	2,494	2,737	2,601
California	426,839	447,750	552,289	512,923	54,319	56,530	62,038	52,960
Alaska	674	678	642	837	66	63	46	46
Hawaii	25,849	28,349	33,456	28,829	3,396	3,715	3,884	3,046

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 183.—CORPORATION INCOME TAX RETURNS: ANALYSIS

NOTE.—All money figures in thousands of dollars. Corporations

Division and State or Territory	Total number of corporations	Corporations reporting net income					
		Number reporting net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Net income	Prior year loss deduction
1920	345,595	203,233	58.81	93,824,225	85,921,570	7,902,655	
1921	356,397	171,239	48.05	60,051,123	55,715,075	4,336,048	
1922	382,883	212,535	55.51	80,331,680	73,367,869	6,963,811	501,780
1923	398,933	233,339	58.49	97,457,479	89,135,950	8,321,529	578,307
1924	417,421	236,389	56.63	97,158,996	89,572,344	7,586,652	219,727
1925	430,072	252,334	58.67	113,692,083	104,108,400	9,583,684	243,079
1926	455,320	258,134	56.69	118,022,117	108,348,714	9,673,403	235,852
1927	475,031	259,849	54.70	115,324,339	106,342,455	8,981,884	244,293
1928	495,892	268,783	54.20	129,289,435	118,671,694	10,617,741	301,146
1929	**509,436**	**269,430**	**52.88**	**129,633,792**	**117,979,905**	**11,653,886**	**393,177**
New England	36,083	20,193	55.96	9,296,714	8,470,162	756,553	26,655
Maine	3,720	2,095	56.32	487,657	452,278	35,379	970
New Hampshire	1,349	803	59.53	152,699	140,751	11,948	457
Vermont	1,120	704	62.86	142,257	132,003	10,255	331
Massachusetts	19,401	10,383	53.52	5,739,160	5,294,590	444,570	19,318
Rhode Island	2,964	1,650	55.67	683,001	628,514	54,487	1,756
Connecticut	7,529	4,558	60.54	2,021,940	1,822,026	199,914	3,823
Middle Atlantic	155,542	80,830	51.97	51,404,018	46,252,179	5,151,840	121,567
New York	107,300	55,304	51.54	36,812,023	33,165,101	3,646,922	88,914
New Jersey	21,885	11,646	53.21	3,748,760	3,303,866	444,895	12,282
Pennsylvania	26,357	13,880	52.66	10,843,235	9,783,212	1,060,023	20,371
East North Central	100,041	56,319	56.30	34,143,506	31,267,714	2,875,791	150,340
Ohio	25,173	14,299	56.80	7,879,661	7,192,430	687,231	14,465
Indiana	11,789	6,881	58.37	1,708,371	1,584,291	124,080	3,974
Illinois	31,700	17,698	55.83	14,094,546	12,990,899	1,103,647	28,572
Michigan	15,543	8,631	55.53	8,093,807	7,321,372	762,435	98,776
Wisconsin	15,836	8,810	55.63	2,377,121	2,178,722	198,398	4,553
West North Central	54,234	29,970	55.26	9,454,499	8,801,948	652,550	13,656
Minnesota	11,482	6,316	55.01	2,502,989	2,356,320	146,669	3,755
Iowa	9,116	5,109	56.04	1,089,544	1,021,498	68,045	1,504
Missouri	17,223	9,146	53.10	3,796,258	3,533,563	262,695	5,323
North Dakota	3,425	1,467	42.83	121,487	116,950	4,538	178
South Dakota	3,071	1,685	54.87	140,322	134,026	6,296	179
Nebraska	4,725	2,969	62.84	646,677	616,598	30,079	931
Kansas	5,192	3,278	63.14	1,157,222	1,022,993	134,228	1,786
South Atlantic	49,996	23,794	47.59	9,076,462	8,182,579	893,882	25,568
Delaware	1,951	1,068	54.74	1,674,632	1,402,177	272,455	3,421
Maryland	6,189	3,334	53.87	2,505,888	2,340,243	165,645	5,980
District of Columbia	2,329	1,197	51.40	567,465	514,555	52,909	1,445
Virginia	7,168	3,837	53.53	1,016,915	883,958	132,956	1,365
West Virginia	5,173	2,873	55.54	700,698	641,652	59,047	2,242
North Carolina	6,570	3,009	45.80	1,149,185	1,044,871	104,314	1,279
South Carolina	3,759	1,597	42.48	299,809	283,648	16,161	752
Georgia	5,738	3,390	59.08	806,659	744,378	62,281	2,923
Florida	11,119	3,489	31.38	355,211	327,097	28,114	3,161
East South Central	18,041	10,151	56.27	2,544,498	2,364,829	179,664	6,204
Kentucky	5,668	3,316	58.50	921,182	843,877	77,305	1,321
Tennessee	5,338	3,032	56.80	902,047	842,515	59,533	2,758
Alabama	4,473	2,310	51.64	454,582	425,493	29,089	1,281
Mississippi	2,562	1,493	58.28	266,681	252,944	13,737	844
West South Central	30,166	16,909	56.05	4,658,892	4,292,939	365,953	25,348
Arkansas	2,629	1,680	63.90	304,739	287,173	17,566	1,480
Louisiana	6,314	3,424	54.23	885,801	832,153	53,648	3,194
Oklahoma	6,671	3,649	54.69	1,047,919	942,311	105,607	10,706
Texas	14,552	8,156	56.05	2,420,433	2,231,302	189,132	9,968
Mountain	22,139	10,362	46.81	1,895,129	1,766,321	128,808	5,515
Montana	3,585	1,822	50.82	190,321	178,380	11,942	243
Idaho	2,412	1,054	43.70	135,466	127,940	7,525	1,142
Wyoming	1,468	798	54.36	60,881	56,906	3,976	172
Colorado	7,317	3,211	45.25	738,303	685,954	52,349	1,105
New Mexico	1,126	558	49.56	67,000	62,679	4,320	112
Arizona	1,953	822	42.09	161,623	142,631	18,992	1,860
Utah	3,245	1,646	50.72	288,739	268,806	19,933	554
Nevada	1,033	351	33.98	252,796	243,025	9,771	327
Pacific	42,228	20,345	48.18	7,007,763	6,388,582	619,179	19,782
Washington	12,159	5,924	48.72	1,153,890	1,077,660	76,230	3,469
Oregon	6,863	3,105	45.24	579,209	549,182	30,026	1,853
California	23,206	11,316	48.76	5,274,664	4,761,740	512,923	14,400
Alaska	182	109	59.89	8,618	7,782	837	205
Hawaii	784	448	57.14	213,699	184,870	28,829	397

[1] No income data reported. [2] Includes war and excess-profits tax; for amount, see Table 169.

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FOR UNITED STATES, 1920 TO 1929, AND BY STATES, 1929

reporting no net income include inactive corporations prior to 1927

Corporations reporting net income—Continued		Corporations reporting no net income					Inactive corporations [1]		Division and State or Territory
Income tax	Per cent of total tax	Number reporting no net income	Per cent of total number of corporations	Gross income	Expenses and deductions	Deficit	Number	Per cent	
[2] 1,625,235		142,362	41.19	24,381,338	26,410,762	2,029,424			1920.
[2] 701,575		185,158	51.95	31,198,150	35,076,369	3,878,219			1921.
[2] 783,776		170,348	44.49	20,588,835	22,782,611	2,193,776			1922.
937,107		165,594	41.51	21,106,184	23,119,739	2,013,555			1923.
881,550		181,032	43.37	22,070,497	24,294,423	2,223,926			1924.
1,170,331		177,738	41.33	20,568,068	22,530,696	1,962,628			1925.
1,229,797		197,186	43.31	24,107,735	26,276,445	2,168,710			1926.
1,130,674	100.00	165,826	34.91	29,074,012	31,545,751	2,471,739	49,356	10.39	1927.
1,184,142	100.00	174,828	35.26	27,965,473	30,356,597	2,391,124	52,281	10.54	1928.
1,193,436	100.00	186,591	36.63	30,987,717	33,901,846	2,914,128	53,415	10.49	1929.
76,417	6.40	13,547	37.55	2,780,329	3,059,688	279,361	2,343	6.49	N. E.
3,432	.29	1,180	31.72	141,410	162,203	20,792	445	11.96	Me.
1,117	.09	477	35.36	59,075	63,856	4,782	69	5.11	N. H.
963	.08	357	31.87	55,113	64,754	9,642	59	5.27	Vt.
44,620	3.74	7,980	41.13	1,914,633	2,105,392	190,760	1,038	5.35	Mass.
5,503	.46	1,067	36.00	231,893	251,624	19,731	247	8.33	R. I.
20,782	1.74	2,486	33.02	378,205	411,859	33,654	435	6.44	Conn.
540,903	45.32	62,128	39.94	10,766,811	11,951,354	1,184,542	12,584	8.09	Mid Atl.
383,110	32.10	43,865	40.88	7,901,545	8,755,837	854,292	8,131	7.58	N. Y.
45,680	3.83	8,468	38.70	955,696	1,092,445	136,749	1,771	8.09	N. J.
112,113	9.39	9,795	37.16	1,909,570	2,103,072	193,501	2,682	10.18	Penn.
290,063	24.30	35,086	35.07	8,584,460	9,141,326	576,865	8,636	8.63	E. N. C.
71,393	5.98	9,515	37.80	1,705,020	1,858,580	153,562	1,359	5.40	Ohio.
11,980	1.00	3,705	31.43	502,243	542,431	40,187	1,203	10.20	Ind.
115,133	9.65	11,339	35.77	4,801,819	5,018,461	216,642	2,663	8.40	Ill.
71,623	6.00	5,448	35.05	1,106,247	1,225,292	119,044	1,464	9.42	Mich.
19,928	1.67	5,079	32.07	449,131	496,562	47,430	1,947	12.30	Wisc.
65,142	5.46	16,831	31.03	1,987,309	2,142,719	155,409	7,433	13.71	W. N. C.
14,697	1.23	3,563	31.03	477,318	510,051	32,732	1,603	13.96	Minn.
6,399	.54	2,430	26.66	261,779	282,216	20,436	1,577	17.30	Iowa.
26,786	2.25	6,068	35.23	862,062	927,599	65,538	2,009	11.67	Mo.
251	.02	1,085	31.68	44,399	48,244	3,845	373	25.49	N. D.
395	.03	816	26.57	49,669	52,453	2,784	570	18.56	S. D.
2,662	.22	1,352	28.61	137,689	154,995	17,306	404	8.55	Nebr.
13,952	1.17	1,517	29.22	154,393	167,161	12,768	397	7.64	Kans.
91,927	7.70	19,655	39.31	2,070,673	2,315,896	245,223	6,547	13.10	S. Atl.
29,423	2.47	583	29.88	175,492	209,670	34,178	300	15.38	Del.
16,851	1.41	2,143	34.63	279,430	309,440	30,010	712	11.50	Md.
5,460	.46	872	37.44	88,083	98,321	10,237	260	11.16	D. C.
13,794	1.16	2,613	36.45	294,173	316,707	22,535	718	10.02	Va.
5,757	.48	1,843	35.63	162,243	179,501	17,258	457	8.83	W. Va.
10,863	.91	3,011	45.83	298,035	323,379	25,344	550	8.37	N. C.
1,464	.12	1,775	47.22	194,994	206,456	11,462	387	10.30	S. C.
6,105	.51	2,037	35.50	293,278	313,764	20,486	311	5.42	Ga.
2,210	.18	4,778	42.97	284,945	358,658	73,713	2,852	25.65	Fla.
17,264	1.45	6,312	34.99	773,347	838,637	65,290	1,578	8.74	E. S. C.
7,746	.65	1,799	31.74	193,354	209,742	16,388	553	9.76	Ky.
5,744	.48	1,852	34.69	307,351	332,053	24,702	454	8.51	Tenn.
2,643	.22	1,767	39.50	176,391	192,862	16,472	396	8.86	Ala.
1,131	.10	894	34.89	96,251	103,980	7,728	175	6.83	Miss.
34,419	2.88	10,449	34.64	1,438,357	1,570,039	133,683	2,808	9.31	W. S. C.
1,451	.12	795	30.24	74,138	80,278	6,140	154	5.86	Ark.
4,980	.42	2,242	35.51	339,902	372,097	32,196	648	10.26	La.
9,795	.82	2,169	32.52	336,547	364,995	28,448	853	12.79	Okla.
18,193	1.52	5,243	36.03	685,770	752,669	66,899	1,153	7.92	Tex.
11,663	.98	6,600	29.81	468,857	539,802	70,944	5,177	23.38	Mt.
941	.08	1,070	29.85	47,886	54,656	6,770	693	19.33	Mont.
505	.04	593	24.59	50,361	54,981	4,620	765	31.71	Idaho.
262	.02	450	30.65	20,787	24,478	3,691	220	14.99	Wyo.
5,084	.43	2,474	33.81	200,275	221,442	21,166	1,532	20.94	Colo.
354	.03	300	26.64	17,762	20,289	2,527	268	23.80	N. Mex.
1,732	.15	510	26.11	36,616	55,875	19,259	621	31.80	Ariz.
1,814	.15	888	27.37	83,235	91,817	8,582	711	21.91	Utah.
971	.08	315	30.49	11,935	16,264	4,329	367	35.53	Nev.
62,547	5.24	15,646	37.05	2,111,140	2,310,804	199,664	6,237	14.77	Pac.
6,986	.58	4,058	33.37	397,561	429,245	31,684	2,177	17.91	Wash.
2,601	.22	2,345	34.17	206,520	226,930	20,410	1,413	20.59	Oreg.
52,960	4.44	9,243	39.83	1,507,059	1,654,629	147,570	2,647	11.41	Calif.
46	.01	46	25.27	1,857	2,109	252	27	14.84	Alaska.
3,046	.26	291	37.12	26,577	29,472	2,895	45	5.74	Hawaii.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 184.—CORPORATION INCOME TAX RETURNS: NUMBER AND NET INCOME (OR DEFICIT) BY INCOME CLASSES, TOTALS 1925 TO 1929, AND BY INDUSTRIAL GROUPS, 1929

[Net income and deficit in thousands of dollars]

	Number	Net income	Number	Net income	Number	Net income	Number	Net income
	1925		1926		1927		1928	
Reporting net income	252,334	9,583,684	258,134	9,673,403	259,849	8,981,884	268,783	10,617,741
Less than $10,000	188,848	467,453	197,373	465,772	201,465	465,849	207,636	512,430
$10,000 to $100,000	52,747	1,621,589	50,461	1,542,734	48,333	1,471,610	50,142	1,522,678
$100,000 to $1,000,000	9,626	2,520,788	9,203	2,426,847	9,009	2,405,365	9,747	2,652,348
$1,000,000 to $5,000,000	917	1,876,243	883	1,769,643	855	1,700,282	1,029	2,119,926
$5,000,000 and over	196	3,097,611	214	3,468,407	187	2,938,778	229	3,810,359
Reporting deficit [1]	177,738	[2] *1,962,628*	197,186	[2] *2,168,710*	165,826	[2] *2,471,759*	174,828	[2] *2,591,124*
Inactive corporations [3]					49,356		52,281	
	1929 [4]		Agriculture		Mining and quarrying		Manufacturing, total	
Reporting net income	269,430	11,653,886	4,407	72,901	5,211	430,527	55,488	5,216,016
Less than $10,000	209,303	514,539	3,687	7,776	3,622	8,480	35,699	98,087
$10,000 to $100,000	49,177	1,484,398	620	17,452	1,150	40,092	14,824	495,969
$100,000 to $1,000,000	9,601	2,652,240	94	21,980	374	104,525	4,338	1,232,869
$1,000,000 to $5,000,000	1,049	2,116,780	5	[4] 25,592	50	109,117	495	984,230
$5,000,000 and over	300	4,885,929	1		15	168,313	132	2,404,861
Reporting deficit	186,591	[2] *2,914,128*	5,023	[2] *53,543*	7,291	[2] *198,440*	36,742	[2] *810,244*
Inactive corporations [3]	53,415		1,185		5,759		4,295	
	Food		Textiles		Leather		Rubber	
Reporting net income	9,288	672,868	8,104	323,974	1,349	76,803	311	56,324
Less than $10,000	6,442	17,122	5,603	14,532	849	2,461	171	453
$10,000 to $100,000	2,267	72,933	1,920	63,990	396	12,735	90	2,937
$100,000 to $1,000,000	500	133,932	548	147,370	95	26,697	41	10,859
$1,000,000 to $5,000,000	55	126,413	32	[4] 98,082	8	[4] 34,910	6	10,467
$5,000,000 and over	24	322,468	1		1		3	31,608
Reporting deficit	5,557	[2] *92,663*	6,236	[2] *163,069*	1,084	[2] *36,368*	303	[2] *59,191*
Inactive corporations [3]	716		289		44		24	
	Lumber		Paper		Printing		Chemicals	
Reporting net income	4,195	135,612	1,406	124,347	7,331	270,829	4,073	911,512
Less than $10,000	2,641	7,876	685	2,271	5,365	14,044	2,427	5,868
$10,000 to $100,000	1,266	41,926	502	16,789	1,572	48,917	1,117	39,078
$100,000 to $1,000,000	280	69,144	196	58,562	354	90,885	436	139,256
$1,000,000 to $5,000,000	7	[4] 16,666	22	[4] 46,724	36	66,639	63	134,767
$5,000,000 and over	1		1		4	50,344	30	592,542
Reporting deficit	3,294	[2] *68,499*	673	[2] *19,893*	3,839	[2] *47,749*	2,998	[2] *56,976*
Inactive corporations [3]	380		66		399		434	
	Stone, etc.		Metal		All other manufacturing		Construction	
Reporting net income	2,572	163,646	12,864	2,291,767	3,995	188,335	10,462	178,376
Less than $10,000	1,733	4,723	7,029	21,601	2,754	7,136	8,267	20,956
$10,000 to $100,000	631	20,861	4,088	143,680	975	32,124	1,903	55,930
$100,000 to $1,000,000	178	49,374	1,468	433,853	242	72,935	278	70,621
$1,000,000 to $5,000,000	23	42,471	222	428,368	21	37,914	13	[4] 30,896
$5,000,000 and over	7	46,217	57	1,264,265	3	38,226	1	
Reporting deficit	1,989	[2] *88,489*	7,292	[2] *170,118*	3,477	[2] *82,284*	7,896	[2] *70,066*
Inactive corporations [3]	255		891		797		1,589	
	Transportation and other public utilities		Trade		Public service		Finance	
Reporting net income	13,614	2,092,654	78,606	1,149,235	20,230	314,426	30,260	2,197,539
Less than $10,000	10,775	22,135	64,458	166,777	17,041	36,325	64,635	152,653
$10,000 to $100,000	1,989	61,875	12,735	349,205	2,790	81,343	13,134	381,675
$100,000 to $1,000,000	620	203,218	1,320	315,432	368	88,082	2,208	615,408
$1,000,000 to $5,000,000	151	326,322	78	131,966	26	45,076	231	491,142
$5,000,000 and over	79	1,479,104	15	185,855	5	63,600	52	556,661
Reporting deficit	7,994	[2] *190,692*	50,483	[2] *419,898*	15,737	[2] *154,215*	53,677	[2] *1,008,827*
Inactive corporations [3]	2,343		3,571		3,675		16,651	

[1] Includes inactive concerns in 1925 and 1926. [2] Deficit. [3] No income data reported.
[4] Including concerns not giving the nature of their business which are not shown separately.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 185.—CORPORATION INCOME TAX RETURNS: NUMBER, NET INCOME, AND TAX, BY INDUSTRIAL GROUPS

NOTE.—All money figures in thousands of dollars. Tax includes war and excess profits tax prior to 1923

Year	Corporations reporting net income			Corporations reporting no net income[1]		Corporations reporting net income			Corporations reporting no net income[1]	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Agriculture and related industries					Mining and quarrying				
1921	3,146	40,718	6,002	5,578	88,563	4,365	185,134	31,969	13,295	414,489
1922	4,000	62,901	6,622	5,092	56,091	6,130	286,437	31,400	10,963	280,456
1923	3,914	92,201	9,791	5,446	49,930	5,175	283,566	30,777	13,334	334,254
1924	4,530	64,230	6,733	5,228	62,498	4,893	240,142	28,389	13,560	307,091
1925	4,662	76,862	8,604	5,242	59,215	5,488	453,600	55,049	13,675	209,957
1926	4,698	70,812	8,175	5,990	55,665	6,006	455,798	57,308	13,246	183,474
1927	4,445	78,577	9,053	4,460	61,894	5,232	276,309	34,898	7,804	246,924
1928	4,504	80,476	8,217	4,679	50,092	5,183	332,679	36,751	7,750	207,416
1929	4,407	72,801	6,783	5,023	53,543	5,211	430,527	44,319	7,291	198,440
	Manufacturing									
	Total[2]					Food products, beverages, and tobacco				
1921	37,030	1,777,786	351,770	42,718	1,898,831	7,207	319,176	65,676	6,570	309,162
1922	48,697	3,454,420	389,776	33,788	813,413	8,359	447,671	50,667	5,728	150,306
1923	53,795	4,271,899	484,864	31,404	701,012	8,666	506,924	55,646	5,487	124,176
1924	51,342	3,595,675	429,053	35,461	832,203	9,080	536,852	63,376	5,362	95,715
1925	54,137	4,383,357	546,741	34,537	682,255	9,303	533,472	66,587	5,419	91,512
1926	55,094	4,494,790	584,507	38,150	786,687	9,239	502,440	77,147	6,266	95,309
1927	53,620	3,938,647	507,735	36,196	851,053	9,232	585,820	75,794	5,630	108,191
1928	55,007	4,744,261	544,936	36,566	833,735	9,082	639,770	72,939	5,586	79,965
1929	55,488	5,216,016	544,053	36,742	810,244	9,288	672,868	70,863	5,557	92,663
	Textiles and textile products					Leather and leather products				
1921	5,312	327,356	67,216	5,560	189,439	981	57,065	11,815	1,203	105,909
1922	6,973	535,107	62,500	4,452	78,311	1,330	88,641	10,414	954	24,811
1923	7,678	563,412	65,435	4,093	71,845	1,321	72,388	8,248	982	36,126
1924	6,836	316,928	37,651	5,393	188,104	1,341	70,319	8,037	1,087	31,876
1925	7,504	413,115	48,814	4,767	114,772	1,373	76,023	9,169	986	28,895
1926	7,708	314,649	39,829	5,728	195,164	1,413	73,859	9,358	1,078	27,436
1927	8,240	417,484	50,341	5,343	120,816	1,448	99,072	12,229	903	21,703
1928	8,076	351,850	39,355	6,098	155,729	1,362	77,425	8,893	1,015	28,038
1929	8,104	323,974	33,197	6,236	163,069	1,349	76,803	8,109	1,084	36,368
	Rubber and rubber goods					Lumber and wood products				
1921	196	5,102	815	445	101,562	2,984	70,511	11,247	3,749	120,220
1922	284	41,930	2,286	309	24,563	4,545	207,996	22,699	2,366	48,282
1923	273	45,924	2,840	334	21,563	5,250	299,050	33,457	2,132	32,587
1924	325	56,900	5,662	313	15,345	4,760	178,869	21,090	2,913	57,754
1925	349	122,966	15,412	289	13,942	4,657	200,316	24,667	2,976	53,116
1926	339	37,501	4,867	341	24,764	4,591	172,972	21,907	3,271	69,196
1927	335	70,253	8,849	284	19,356	4,178	125,408	15,612	3,353	94,295
1928	349	44,645	5,149	331	45,987	4,290	142,197	15,210	3,367	71,493
1929	311	56,324	6,055	303	39,191	4,195	135,612	13,437	3,294	68,499
	Paper, pulp, and products					Printing and publishing				
1921	730	44,882	7,584	946	49,179	5,386	124,157	27,183	3,046	26,680
1922	1,086	84,025	9,481	683	22,409	5,771	184,716	21,745	2,939	23,020
1923	1,240	109,909	12,233	575	14,932	6,183	165,947	19,429	3,040	23,627
1924	1,204	92,674	10,675	682	18,361	6,278	175,972	20,802	3,340	28,455
1925	1,288	111,186	14,004	652	12,137	6,523	190,909	23,375	3,397	29,505
1926	1,365	120,460	15,610	659	14,362	6,931	203,507	25,857	3,614	31,006
1927	1,386	123,988	16,064	642	13,614	6,734	198,476	25,123	3,629	34,788
1928	1,345	118,589	13,768	678	14,959	7,070	243,650	27,310	3,703	34,104
1929	1,406	124,347	13,222	673	19,393	7,331	270,829	28,017	3,839	47,749
	Chemicals and allied substances					Stone, clay, and glass products				
1921	2,502	158,217	29,598	3,422	132,881	1,998	69,756	12,032	1,683	26,260
1922	3,512	461,221	54,056	2,605	66,158	2,459	125,692	14,988	1,431	16,586
1923	3,472	419,584	49,426	2,845	94,158	2,880	187,844	22,113	1,321	14,374
1924	3,640	466,184	56,650	2,961	76,309	2,735	162,403	19,152	1,621	17,944
1925	3,951	623,278	78,393	3,011	82,352	2,753	181,547	22,853	1,701	17,846
1926	4,076	785,155	102,964	3,210	69,279	2,762	195,166	25,542	1,844	22,112
1927	3,960	495,857	64,767	2,892	110,369	2,587	157,263	20,564	1,876	28,356
1928	4,231	848,127	99,002	2,820	59,789	2,676	172,007	19,770	1,933	32,518
1929	4,073	911,512	98,124	2,998	56,976	2,572	163,646	17,268	1,989	33,439

[1] Includes inactive concerns prior to 1927; for number of inactive concerns in 1927 to 1929 see Table 190.
[2] Includes all other manufacturing not shown separately.

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No. 185.—Corporation Income Tax Returns: Number, Net Income, and Tax, by Industrial Groups—Continued

Year	Corporations reporting net income			Corporations reporting no net income		Corporations reporting net income			Corporations reporting no net income	
	Number	Net income	Tax	Number	Deficit	Number	Net income	Tax	Number	Deficit
	Manufacturing—Continued					Construction				
	Metals and metal products									
1921	5,468	437,367	90,308	10,068	666,002	6,041	67,335	13,595	4,320	51,507
1922	8,397	906,956	98,760	7,477	272,040	6,997	91,724	9,653	4,373	52,529
1923	10,168	1,427,496	160,771	6,072	178,081	8,151	112,004	11,439	4,400	42,809
1924	11,227	1,340,597	162,979	8,943	244,779	8,701	132,704	13,912	4,475	42,011
1925	12,760	1,756,753	221,973	8,769	201,445	9,701	156,491	17,581	5,637	43,346
1926	11,989	1,803,444	237,077	8,065	192,574	10,075	162,569	19,146	6,695	53,621
1927	11,412	1,501,274	198,066	8,227	241,305	10,071	171,160	20,078	6,281	59,417
1928	12,252	1,910,003	221,838	7,479	254,975	10,179	170,906	17,175	7,117	71,369
1929	12,864	2,291,767	236,494	7,292	170,113	10,462	178,376	16,519	7,896	70,066
	Transportation and other public utilities					Trade				
1921	11,831	821,871	101,022	7,274	323,369	42,809	571,945	96,742	45,370	626,828
1922	13,690	979,264	119,481	6,821	196,480	59,791	1,014,013	107,041	35,892	318,693
1923	14,269	1,257,410	150,999	6,844	125,650	68,186	1,197,926	128,536	32,460	264,797
1924	14,565	1,232,012	148,278	7,866	137,753	68,112	1,198,586	120,649	37,211	296,517
1925	14,862	1,468,693	186,314	8,751	134,744	71,910	1,254,046	145,350	37,678	287,506
1926	15,444	1,723,399	228,662	9,656	120,174	71,403	1,165,558	140,522	41,302	330,998
1927	13,855	1,588,880	210,878	6,982	197,472	74,747	1,156,870	137,352	44,931	362,339
1928	13,882	1,813,088	211,682	7,422	173,170	79,745	1,246,862	126,332	46,602	355,514
1929	13,614	2,092,654	222,483	7,994	190,692	78,606	1,149,235	107,149	50,483	419,398
	Public service					Finance—Banking, insurance, etc.				
1921	10,694	104,873	19,269	8,409	45,939	54,122	739,297	76,271	28,736	363,166
1922	13,494	148,367	16,262	9,651	59,615	58,646	887,835	99,098	32,459	397,661
1923	15,482	188,368	20,377	9,632	59,141	62,654	868,083	95,114	34,118	410,813
1924	15,495	202,165	22,131	10,825	66,650	67,089	995,124	109,444	37,672	460,597
1925	16,571	246,426	28,467	12,410	72,226	73,246	1,523,823	179,948	42,701	456,219
1926	17,755	260,981	31,040	14,502	103,772	76,819	1,336,893	160,215	53,614	528,032
1927	18,287	244,464	28,626	12,859	117,065	78,100	1,522,834	181,706	44,582	566,177
1928	19,008	254,186	25,502	14,518	126,709	80,315	1,971,343	213,238	48,824	566,199
1929	20,230	314,426	29,632	15,737	154,215	80,260	2,197,539	222,403	53,677	1,008,827

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 186.—CORPORATION INCOME TAX RETURNS: Number, Income, and Tax, by Industrial Groups and Industries, 1929

Note.—For totals for all corporations see Table 183; for inactive corporations for major groups, see Table 184. Group totals include industries not shown separately. Gross income corresponds to total income as reported on face of return plus cost of goods sold

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income[1]	Net income	Income tax	Number	Gross income	Deficit
Agriculture and related industries	4,407	636,227	72,801	6,783	5,023	246,280	53,543
Mining and quarrying	5,211	3,091,405	430,527	44,319	7,291	1,016,184	198,440
Metal mining	295	1,119,147	189,689	20,054	719	92,428	24,465
Coal:							
Anthracite	62	160,500	12,909	1,340	176	155,335	10,436
Bituminous, lignite, peat, etc	905	532,462	39,397	3,940	1,437	459,946	50,700
Oil and gas	1,850	780,849	104,549	10,438	2,311	192,881	74,947
Manufacturing	55,488	59,879,759	5,216,016	544,053	36,742	12,252,285	810,244
Food products, beverages, and tobacco	9,288	10,862,490	672,868	70,863	5,557	3,905,162	92,663
Bakery and confectionery products	2,117	1,364,534	128,823	13,538	1,303	236,071	17,804
Canned products—fish, fruits, vegetables, poultry, etc	1,068	814,759	74,066	7,643	602	92,459	7,541
Mill products—bran, flour, feed, etc	740	1,181,659	39,067	4,174	534	199,338	7,401
Packing-house products—fresh meats, ham, lard, bacon, meat, canning, etc	469	2,758,372	32,123	3,226	269	2,688,043	10,360
Sugar—beet, cane, maple, and products	93	684,209	48,582	5,234	99	151,816	15,292
Soft drinks, cereal beverages, mineral waters, wines; distilling	1,276	382,512	60,509	6,376	898	56,844	11,042
Tobacco, cigarettes, cigars, snuff, etc	243	1,220,530	132,682	14,554	177	50,436	4,942

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No. 186.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1929—Continued

[All money figures in thousands of dollars]

Industry	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income	Net income	Income tax	Number	Gross income	Deficit
Manufacturing—Continued.							
Textiles and textile products	8,104	5,902,287	323,974	33,197	6,236	2,330,931	163,069
Cotton goods—dress goods, plain cloth, etc., napping and dyeing	487	914,007	54,567	5,768	420	490,356	32,550
Woolen and worsted goods—wool yarn, wool goods, wool carpets, wool pulling, etc	246	367,144	14,629	1,487	317	307,191	24,923
Silk and rayon goods	451	615,116	57,013	6,130	374	288,961	19,849
Carpets, floor coverings, tapestries, etc	82	157,460	10,219	1,053	68	60,516	8,142
Clothing—custom-made, factory-made, coats, underwear, etc	4,082	1,967,503	70,935	6,802	3,031	618,709	34,531
Knit goods—sweaters, hosiery, etc	740	654,857	41,147	4,358	471	132,291	11,475
Leather and leather products	1,349	1,258,771	76,803	8,109	1,084	482,402	36,368
Boots, shoes, slippers, etc	711	867,655	59,336	6,352	547	212,075	15,208
Gloves, saddlery, harness, trunks, finishing and tanning leather, etc	638	391,116	17,467	1,758	537	270,327	21,160
Rubber and rubber products	311	916,242	56,324	6,055	303	510,967	39,191
Auto tires, tubes, etc	42	741,238	38,640	4,199	97	467,679	35,470
Rubber boots, shoes, hose, and artificial rubber	206	149,913	15,688	1,652	150	33,756	2,953
Bone, celluloid, and ivory products	63	25,091	1,996	204	56	9,532	768
Lumber and wood products	4,195	1,978,584	135,612	13,437	3,294	816,194	68,499
Sawmill and planing-mill products	1,876	991,829	70,940	6,965	1,646	472,296	38,580
Carriages, wagons, furniture, etc	2,319	986,755	64,672	6,472	1,648	343,898	29,919
Paper, pulp, and products	1,406	1,546,672	124,347	13,222	673	249,444	19,893
Printing and publishing	7,331	2,468,283	270,829	28,017	3,839	402,692	47,749
Chemicals and allied substances	4,073	9,550,545	911,512	98,124	2,998	737,016	56,976
Petroleum and other mineral oil refining	319	5,722,257	478,446	51,388	254	323,351	21,430
Chemicals proper	276	1,026,514	125,974	13,754	184	19,339	2,663
Allied chemical substances—drugs, oils, paints, soaps, etc	3,267	2,628,367	297,358	31,958	2,466	350,793	31,303
Fertilizers	211	173,407	9,734	1,024	94	43,533	1,580
Stone, clay, glass, and related products	2,572	1,389,486	163,646	17,268	1,989	265,730	33,439
Metal products and processes	12,864	22,125,989	2,291,767	236,494	7,292	1,966,590	170,113
Iron and steel blast furnaces, rolling mills, foundries, etc	2,109	5,924,491	513,852	55,524	841	235,907	22,624
Locomotives and railroad equipment	114	520,707	54,168	5,687	64	19,483	2,221
Motor vehicles, complete or parts	530	5,641,727	505,759	45,549	536	605,874	32,052
Factory machinery	900	704,749	95,257	9,877	492	108,572	13,419
Agricultural machinery and equipment	279	755,803	112,400	12,348	212	57,731	4,548
Electrical machinery and equipment	691	1,368,153	211,995	23,092	562	99,135	10,200
Building and construction, gas and mining machinery and equipment	1,886	1,561,988	177,893	18,391	976	219,863	27,690
Household machinery, equipment, etc	580	689,373	70,680	7,499	494	107,205	11,310
Office equipment, etc	204	461,201	70,835	7,476	151	23,117	2,789
Metal building material and equipment	868	755,878	76,663	8,704	704	146,777	11,786
Hardware, tools, etc	1,525	1,226,053	180,889	19,342	644	112,060	10,931
Precious metal products and processes, jewelry, etc	559	330,464	24,463	2,398	358	69,192	6,118
Radios, complete or parts	124	183,031	16,224	1,789	180	100,516	19,188
Airplanes, seaplanes, etc	45	76,570	13,712	1,460	149	23,074	9,297
Construction	10,462	2,291,630	178,376	16,519	7,896	790,254	70,066
Building and construction above ground, installing machinery, wrecking, etc	7,097	1,158,728	68,762	5,827	5,771	482,649	35,413
Other construction underground and on surface—bridge building, water-front construction, etc	3,221	1,072,222	103,452	10,061	2,003	259,258	27,672
Ship building and repairing	144	60,680	6,162	631	122	48,347	6,981
Transportation and other public utilities	13,614	15,584,026	2,092,654	222,484	7,994	1,500,004	190,692
Steam railroads	314	6,920,033	804,666	86,197	253	350,613	45,652
Electric railways; Pullman cars; refrigerator, stock, and fruit cars; lessors	506	858,348	150,572	16,463	285	233,078	32,441
Water transportation and related branches	1,071	390,685	59,406	5,788	652	116,918	13,575
Aerial transportation	147	14,508	3,137	288	435	23,561	9,626
Auto bus lines, taxicabs, and sight-seeing companies	1,157	162,057	12,419	1,075	953	79,949	7,480
Cartage and storage, food storage, packing and shipping, etc	4,850	545,206	65,570	6,161	3,034	307,108	16,934

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No. 186.—Corporation Income Tax Returns: Number, Income, and Tax, by Industrial Groups and Industries, 1929—Continued

[All money figures in thousands of dollars]

	Corporations reporting net income				Corporations reporting no net income		
	Number	Gross income [1]	Net income	Income tax	Number	Gross income	Deficit
Transportation, etc.—Continued							
Electric light and power companies	808	2,468,511	439,286	46,683	298	204,882	18,009
Gas companies, artificial and natural	318	476,341	64,563	6,916	169	78,496	11,823
Telephone and telegraph companies	2,646	2,518,614	289,422	31,465	993	18,807	3,076
Radio broadcasting companies	106	177,979	19,383	2,058	87	6,143	1,461
Water companies	1,003	93,630	20,903	2,023	391	7,939	1,647
Trade	78,606	34,264,086	1,149,235	107,149	50,483	9,230,447	419,398
Wholesale	14,777	12,138,965	313,684	30,451	7,836	3,110,434	116,062
Retail	45,543	15,182,105	568,902	52,439	32,354	4,266,059	213,214
Wholesale and retail	6,763	3,895,382	136,547	12,792	3,182	783,424	32,962
Commission	3,835	1,454,015	61,109	5,776	2,624	616,461	21,434
Service	20,230	3,051,820	314,426	29,632	15,737	1,140,089	154,215
Domestic service—laundries, hotels, restaurants, etc	7,005	1,207,550	79,319	6,880	5,746	602,868	61,539
Amusements	3,789	840,347	115,923	11,578	3,637	298,871	45,963
Theaters, legitimate, vaudeville, etc	323	63,008	7,936	694	443	40,802	8,435
Motion-picture producers	101	280,303	50,238	5,330	142	63,142	5,838
Motion-picture theaters	1,293	378,663	41,044	4,105	1,046	129,775	18,650
Other amusements—circuses, golf links, race tracks, etc	2,072	118,373	16,655	1,449	2,006	65,151	12,989
Professional service—curative, educational, legal, etc	3,615	288,664	43,693	4,174	2,723	79,062	28,272
Business service—detective bureaus, trade shows, mimeographing, electrical advertising, etc	2,960	580,276	60,417	5,891	1,980	105,119	11,802
Finance	80,260	10,372,951	2,197,539	222,403	53,677	4,786,459	1,008,827
National banks	5,436	1,036,365	187,658	19,196	2,195	215,613	33,144
State and private banks, savings banks, loan and trust companies	13,000	1,662,021	324,646	32,461	4,149	310,025	63,548
Stock and bond brokers, investment bankers	1,584	2,036,321	322,472	34,996	1,286	1,876,384	266,473
Financing retail sales of automobiles, pianos, radios, etc	644	90,249	22,603	2,025	149	3,299	1,177
Realty development, holding, etc	41,627	1,616,298	385,647	32,976	36,022	832,167	308,836
Insurance companies	1,311	2,241,900	304,129	33,008	817	522,446	107,645
Life insurance companies	397	720,894	110,487	12,097	216	51,500	5,828
Other insurance companies	914	1,521,006	193,642	20,911	601	470,945	101,816

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

No. 187.—FEDERAL ESTATE TAX RETURNS: Summary

[All money figures in thousands of dollars]

Year	Returns filed		Gross estate		Net taxable estate		Tax	
	Resident decedents	Nonresident decedents	Resident decedents	Nonresident decedents	Resident decedents	Nonresident decedents	Resident decedents	Nonresident decedents
1916–1922 [1]	42,230	2,896	8,785,642	107,597	5,407,674	101,849	351,138	5,378
1922 [2]	12,563	1,313	2,955,959	58,113	1,652,832	52,142	117,624	2,938
1923	13,963	1,156	2,774,741	29,587	1,504,621	27,440	88,384	726
1924	13,011	1,502	2,540,922	25,600	1,372,421	23,395	71,451	488
1925	14,013	2,006	2,958,364	42,725	1,621,008	37,861	86,223	1,099
1926	13,142	1,425	3,386,267	21,656	1,951,969	20,567	101,324	481
1927	9,353	1,347	3,146,290	26,945	1,735,840	25,777	40,931	755
1928	8,079	2,157	3,503,239	51,032	1,943,429	49,075	40,561	1,398
1929	8,582	1,761	3,843,514	49,732	2,288,323	45,653	43,303	1,085
1930	8,798	1,584	4,108,517	57,106	2,376,973	50,481	39,003	2,614

[1] Sept. 9, 1916, to Jan. 15, 1922.
[2] Jan. 15 to Dec. 31, 1922.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 138.—FEDERAL ESTATE TAX RETURNS: RETURNS OF RESIDENT DECEDENTS DISTRIBUTED BY SIZE OF NET ESTATE

[All money figures, except average amount of tax per return, in thousands of dollars]

	Grand total					
	1925	1926	1927	1928	1929	1930
Number of returns	14,013	13,142	9,353	8,079	8,582	8,798
Gross estate, total	2,958,364	3,386,267	3,146,290	3,503,239	3,843,514	4,108,517
Real estate	651,229	647,836	573,454	610,653	570,068	563,855
Bonds exempt or partially exempt	228,511	293,899	233,887	247,411	240,336	301,578
Other bonds	232,173	253,583	220,897	239,440	263,142	281,783
Capital stock in corporations	973,886	1,266,396	1,223,992	1,516,971	1,860,796	1,959,855
Mortgages, notes, cash, etc	359,126	389,453	357,271	385,278	381,106	396,016
Insurance (gross)	98,930	103,218	88,949	103,218	124,740	128,584
All other	414,507	431,882	437,839	400,267	403,326	476,846
Deductions, total	1,408,612	1,504,212	1,490,036	1,661,225	1,641,316	1,799,570
Specific exemption	700,650	689,400	798,910	784,350	846,750	876,050
Charitable, public, and similar bequests	116,360	226,708	130,975	216,099	153,678	223,490
Property from an estate taxed within 5 years	88,811	71,065	73,482	71,857	85,128	94,101
Funeral and administrative expenses, debts, mortgages, etc	444,916	463,499	440,175	537,121	501,537	551,725
Insurance exemption	57,875	53,540	46,494	51,798	54,223	54,204
Net taxable estate [1]	1,621,008	1,951,969	1,785,840	1,943,429	2,968,923	2,376,973
Total tax	96,931	138,056	100,532	135,014	165,413	152,391
Tax credit [2]	10,707	36,732	59,601	94,453	122,110	113,388
Net tax	86,223	101,324	40,931	40,561	43,303	39,003
Average tax per return (dollars)	6,153	7,710	4,376	5,021	5,046	4,433
Average rate of tax on net taxable estate (per cent)	5.31	5.19	2.36	2.09	1.91	1.64

	1930: No net taxable estate	1930: Net estate of—					
		Under $50,000	$50,000–$200,000	$200,000–$600,000	$600,000–$1,000,000	$1,000,000–$5,000,000	$5,000,000 and over
Number of returns	1,770	2,258	2,471	1,431	389	437	42
Gross estate, total	300,194	357,800	656,372	793,428	418,998	1,064,774	516,952
Real estate	78,603	82,338	125,308	111,807	48,877	91,877	25,045
Bonds exempt or partially exempt	9,876	11,695	30,362	43,294	27,416	101,433	77,502
Other bonds	15,163	29,409	58,332	68,766	29,756	57,419	22,939
Capital stock in corporations	80,968	114,328	245,821	361,335	221,826	601,955	333,620
Mortgages, notes, cash, etc	34,006	63,797	93,675	82,016	41,729	61,200	19,592
Insurance (gross)	21,694	17,146	29,359	26,924	12,092	19,204	2,166
All other	59,884	39,087	73,515	99,286	37,302	131,686	36,088
Deductions, total	368,219	306,691	389,922	303,653	123,032	214,455	93,596
Specific exemption	176,000	223,800	246,400	143,050	38,900	43,700	4,200
Charitable, public, and similar bequests	48,059	17,827	28,410	25,989	20,353	37,074	45,777
Property from an estate taxed within 5 years	26,494	4,983	14,789	18,324	4,979	22,888	1,645
Funeral and administrative expenses, debts, mortgages, etc	106,476	51,395	86,153	104,890	54,399	106,624	41,788
Insurance exemption	11,190	8,686	14,170	11,400	4,401	4,169	188
Net taxable estate [1]		51,109	266,450	489,775	295,966	850,319	423,354
Total tax		511	4,629	14,950	12,632	60,182	59,487
Tax credit [2]		352	3,425	11,142	9,201	45,162	44,107
Net tax		159	1,204	3,808	3,431	15,020	15,380
Average tax per return (dollars)		70	487	2,661	8,819	34,373	366,191
Average rate of tax on net taxable estate (per cent)		.31	.45	.78	1.16	1.77	3.63

[1] In arriving at grand total net taxable estate the grand total deductions are diminished by the deductions in excess of gross estate shown for 1930 in column "No net taxable estate."

[2] Credit for estate, inheritance, legacy, or succession taxes paid to any of the several States, Territories, or District of Columbia. Credit limited to 25 per cent of the total Federal estate tax, June 2, 1924, to Feb. 26, 1926, and to 80 per cent thereafter.

Source: Statistics of Income, Report of the Commissioner of Internal Revenue, Treasury Department.

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No. 189.—PUBLIC DEBT OF THE UNITED STATES: 1800 TO 1932

[All figures except per capita in thousands of dollars]

June 30—	Gross debt [1]		Interest bearing [2]	Matured	Non-interest bearing [2]	June 30—	Gross debt [1]		Interest bearing [2]	Matured	Non-interest bearing [1]
	Amount	Per capita					Amount	Per capita			
1800	82,976	$15.63	----------	-------	--------	1898	1,232,743	$16.90	847,367	1,263	384,113
1810	53,173	7.34	----------	-------	--------	1899	1,436,701	19.33	1,046,049	1,218	389,434
1820	91,016	9.44	----------	-------	--------	1900	1,263,417	16.56	1,023,479	1,176	238,762
1830	48,565	3.77	----------	-------	--------	1901	1,221,572	15.71	987,141	1,416	233,016
1840	3,573	.21	----------	-------	--------	1902	1,178,031	14.89	931,070	1,281	245,680
1850	63,453	2.74	----------	-------	--------	1903	1,159,406	14.40	914,541	1,205	243,659
1855	35,588	1.32	35,418	170	--------	1904	1,136,259	13.88	895,157	1,971	239,131
1860	64,844	2.06	64,683	161	--------	1905	1,132,357	13.60	895,158	1,370	235,829
1865	2,677,929	77.07	2,217,709	2,129	458,090	1906	1,142,523	13.50	895,159	1,128	246,236
1870	2,436,453	63.19	2,035,881	3,570	397,003	1907	1,147,178	13.33	894,834	1,087	251,257
1871	2,322,052	58.70	1,920,697	1,949	399,406	1908	1,177,690	13.46	897,504	4,130	276,056
1872	2,209,991	54.44	1,800,794	7,927	401,270	1909	1,148,315	12.91	913,317	2,884	232,114
1873	2,151,210	51.62	1,696,484	51,929	402,797	1910	1,146,940	12.69	913,317	2,125	231,498
1874	2,159,933	50.47	1,724,931	3,216	431,786	1911	1,153,985	12.28	915,353	1,880	236,752
1875	2,156,277	49.06	1,708,676	11,426	436,175	1912	1,193,839	12.48	963,777	1,760	228,301
1876	2,130,846	47.21	1,696,685	3,902	430,258	1913	1,193,048	12.26	965,707	1,660	225,682
1877	2,107,760	45.47	1,697,888	16,649	393,223	1914	1,188,235	12.00	967,953	1,553	218,730
1878	2,159,418	45.37	1,780,736	5,594	373,089	1915	1,191,264	11.83	969,759	1,507	219,998
1879	2,298,913	47.05	1,887,716	37,015	374,181	1916	1,225,146	11.96	971,563	1,473	252,110
1880	2,090,909	41.69	1,709,993	7,621	373,295	1917	2,975,619	28.57	2,712,549	14,232	248,837
1881	2,019,286	39.35	1,625,568	6,724	386,994	1918	12,243,629	115.65	11,985,882	20,243	237,504
1882	1,856,916	35.37	1,449,810	16,261	390,845	1919	25,482,034	240.09	25,234,496	11,109	236,429
1883	1,721,959	32.07	1,324,229	7,831	389,899	1920	24,297,918	228.32	24,061,095	6,748	230,075
1884	1,625,307	29.60	1,212,564	19,656	393,088	1921	23,976,251	221.09	23,737,352	10,940	227,959
1885	1,578,551	28.11	1,182,151	4,101	392,299	1922	22,964,079	208.97	22,711,036	25,251	227,793
1886	1,555,660	27.10	1,132,014	9,704	413,941	1923	22,349,688	200.10	22,007,691	98,172	243,925
1887	1,465,485	24.97	1,007,692	6,115	451,678	1924	21,251,120	186.86	20,981,586	30,241	239,293
1888	1,384,632	23.09	936,522	2,496	445,613	1925	20,516,272	177.82	20,210,906	30,243	275,123
1889	1,249,471	20.39	815,854	1,911	431,705	1926	19,643,183	167.70	19,383,771	13,328	246,084
1890	1,122,397	17.92	711,313	1,816	409,268	1927	18,510,174	156.04	18,250,944	14,707	244,523
1891	1,005,807	15.75	610,529	1,615	393,663	1928	17,604,291	146.69	17,317,695	45,332	241,264
1892	968,219	14.88	585,029	2,786	380,404	1929	16,931,198	139.40	16,638,941	50,751	241,505
1893	961,432	14.49	585,037	2,094	374,301	1930	16,185,308	131.38	15,921,892	31,715	231,701
1894	1,016,898	15.04	635,042	1,851	380,005	1931	16,801,485	135.41	16,519,589	51,823	230,074
1895	1,096,913	15.91	716,202	1,722	378,989	1932 [3]	19,587,002	155.85	19,161,274	60,079	265,650
1896	1,222,729	17.40	847,364	1,637	373,729						
1897	1,226,794	17.14	847,365	1,347	378,082						

Date	Gross debt [1]	Interest-bearing debt					Matured debt on which interest has ceased	Debt bearing no interest [1]
		Pre-war loans unmatured	Liberty and Treasury bonds	Notes (Victory, Liberty loan, and Treasury)	Certificates of indebtedness	Treasury savings securities [4]		
Apr. 5, 1917	1,281,969	1,023,557	----------	----------	----------	----------	1,459	256,952
June 30, 1918	12,243,629	966,166	8,963,714	----------	1,706,205	349,797	20,243	237,504
Aug. 31, 1919 [5]	26,504,268	883,463	16,219,399	4,113,405	4,201,209	931,302	9,914	235,576
June 30, 1920	24,297,918	883,549	15,334,836	4,246,365	2,768,926	827,419	6,748	230,075
June 30, 1921	23,976,251	883,728	15,235,216	4,224,972	2,699,330	694,105	10,940	227,959
June 30, 1922	22,964,079	883,840	15,081,613	4,237,780	1,828,787	679,015	25,251	227,793
June 30, 1923	22,349,688	883,670	15,651,108	4,104,195	1,031,418	337,199	98,172	243,925
June 30, 1924	21,251,120	883,704	15,141,756	3,735,309	807,514	413,304	30,241	239,293
June 30, 1925	20,516,272	765,316	16,076,974	2,404,241	578,685	385,690	30,243	275,123
June 30, 1926	19,643,183	765,860	16,162,418	1,612,404	483,279	359,810	13,328	246,084
June 30, 1927	18,510,174	766,550	14,453,845	2,019,195	702,096	309,259	14,707	244,523
June 30, 1928	17,604,291	768,133	12,252,685	2,900,001	1,252,408	144,469	45,332	241,264
June 30, 1929	16,931,198	770,207	11,354,495	2,861,012	1,640,200	13,028	50,751	241,505
June 30, 1930	16,185,308	772,545	11,338,791	2,390,287	1,264,355	[6] 155,916	31,715	231,701
Dec. 31, 1930	16,026,087	773,812	11,338,757	2,341,781	1,191,906	[6] 127,455	22,295	230,081
June 30, 1931	16,801,485	776,155	12,754,368	620,908	1,923,578	[6] 444,580	51,823	230,074
Dec. 31, 1931	17,825,619	780,528	13,517,381	794,519	1,859,675	[6] 576,387	52,664	244,466
June 30, 1932 [3]	19,487,002	789,567	13,460,091	1,465,254	2,830,730	[6] 615,632	60,079	265,650

[1] After deducting gold reserve.

[2] Exclusive of bonds issued to the Pacific railways and the Navy pension fund.

[3] Preliminary.

[4] Amounts outstanding of series of 1918, 1919, 1920, and 1921 (except issue of Dec. 15, 1921) are amounts issued on the basis of reports of sales or of cash receipts less amounts retired on the basis of redemption value. Amounts outstanding of all other series are the net redemption value. Includes net receipts from the sale of thrift stamps and Treasury savings stamps prior to June 30, 1926.

[5] Maximum figure.

[6] Treasury bills (maturity value).

Source: Annual reports of the Secretary of the Treasury.

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No. 190.—PUBLIC DEBT OF THE UNITED STATES: DEBT OUTSTANDING, BY SPECIFIC LOANS, JUNE 30, 1931

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT								
Consols of 1930:			*Per cent*					
Act of Mar. 14, 1900	Apr. 1, 1900	After Apr. 1, 1930	2	Jan., Apr., July, and Oct. 1.	$100.5116	$839,146,340	$646,250,150	$599,724,050
Panama Canal Loan:								
Acts of June 28, 1902, and Dec. 21, 1905	Aug. 1, 1906	After Aug. 1, 1916; on Aug. 1, 1936.	2	Feb., May, Aug., and Nov. 1.	103.513	130,000,000	54,631,980	48,954,180
	Nov. 1, 1908	After Nov. 1, 1918; on Nov. 1, 1938.	2	do	102.436		30,000,000	25,947,400
Acts of Aug. 5, 1909; Feb. 4, 1910, and Mar. 2, 1911.	June 1, 1911	On June 1, 1961	3	Mar., June, Sept., and Dec. 1.	102.582	290,569,000	50,000,000	49,800,000
Postal Savings bonds:								
Act of June 25, 1910	Jan. 1, July 1, 1911–1930.	On and after 1 year; 20 years from issue.	2½	Jan. and July 1	Par	Indefinite.	22,834,660	22,834,660
Conversion bonds:								
Act of Dec. 23, 1913	Jan. 1, 1916 and 1917.	30 years from issue	3	Jan., Apr., July, and Oct. 1.	Exchange at par.		28,894,500	28,894,500
First Liberty Loan:								
First 3½'s, act of Apr. 24, 1917	June 15, 1917	On and after June 15, 1932; on June 15, 1947.	3½		Par	5,538,945,460	1,989,455,550	1,392,239,350
First 4's, acts of Apr. 24, 1917, and Sept. 24, 1917.[1]	Nov. 15, 1917	do	4	June and Dec. 15	Conversion at par.	1,989,455,550	568,318,450	5,003,950
First 4¼'s; same acts	May 9, 1918	do	4¼		do	1,989,455,550	555,212,300	532,792,850
First and second 4¼'s; same acts	Oct. 24, 1918	do	4¼		do	1,413,566,550	3,492,150	3,492,150
Fourth Liberty Loan:								
Act of Sept. 24, 1917[1]	do	On and after Oct. 15, 1933; on Oct. 15, 1938.	4¼	Apr. and Oct. 15	Par	12,016,484,950	6,964,581,100	6,268,218,450
Treasury bonds, act of Sept. 24, 1917:[1]								
4¼ per cent bonds of 1947–1952	Oct. 16, 1922	On and after Oct. 15, 1947; on Oct. 15, 1952.	4¼	do	Par	511,864,000	511,864,000	758,983,300
					Exchange at par.	252,098,300	252,098,300	
4 per cent bonds of 1944–1954	Dec. 15, 1924	On and after Dec. 15, 1944; on Dec. 15, 1954.	4	June and Dec. 15	Par	224,513,500	224,513,500	1,036,834,500
					Exchange at par.	532,420,300	532,420,300	
					100.50	290,154,700	290,154,700	
3¾ per cent bonds of 1946–1956	Mar. 15, 1926	On and after Mar. 15, 1946; on Mar. 15, 1956.	3¾	Mar. and Sept. 15	100.50	494,898,100	494,898,100	489,087,100

[1] As amended.

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No. 190.—Public Debt of the United States: Debt Outstanding, by Specific Loans, June 30, 1931—Continued

Title and authorizing act	Date of loan	When redeemable or payable	Rate of interest	Interest payable	Average price received	Amount authorized	Amount issued	Amount outstanding
INTEREST-BEARING DEBT—contd.								
Treasury bonds, act of Sept. 24, 1917 [1]—Contd.			*Per cent*					
3½ per cent bonds of 1943–1947	June 15, 1927	On and after June 15, 1943; on June 15, 1947.	3½	June and Dec. 15	$100.50 Exchange at par.	$249,598,300 245,256,450	$249,598,300 245,256,450	$493,037,750
3½ per cent bonds of 1940–1943	July 16, 1928	On and after June 15, 1940; on June 15, 1943.	3½	do	Par Exchange at par.	251,521,400 107,521,550	251,521,400 107,521,550	359,042,950
3⅜ per cent bonds of 1941–1943	Mar. 16, 1931	On and after Mar. 15, 1941; on Mar. 15, 1943.	3⅜	Mar. and Sept. 15	Exchange at par.	594,230,050	594,230,050	594,230,050
3⅛ per cent bonds of 1946–1949	June 15, 1931	On and after June 15, 1946; on June 15, 1949.	3⅛	June and Dec. 15	Par	821,406,000	821,406,000	821,406,000
Treasury notes, act of Sept. 24, 1917: [1]								
Series C–1930–1932	Jan. 16, 1928	*Called Dec. 15, 1931.*	3½	June and Dec. 15	Exchange at par.	Not exceeding $7,500,000,000 outstanding at any one time.	607,399,650	451,718,950
Civil service retirement fund—								
Series 1932	June 30, 1927	After June 30, 1928; on June 30, 1932.	4	June 30	ar		14,400,000	14,400,000
Series 1933	Various dates from June 30, 1928.	After 1 year from date of issue; on June 30, 1933.	4	do	do		47,800,000	47,800,000
Series 1934	Various dates from July 1, 1929.	After 1 year from date of issue; on June 30, 1934.	4	do	do		35,800,000	35,800,000
Series 1935	Various dates from June 30, 1930.	After 1 year from date of issue; on June 30, 1935.	4	do	do		32,400,000	32,400,000
Series 1936	June 30, 1931	After 1 year from date of issue; on June 30, 1936.	4	do	do		37,500,000	37,500,000
Foreign service retirement fund—								
Series 1933	Various dates from June 30, 1928.	After 1 year from date of issue; on June 30, 1933.	4	do	do		529,000	278,000
Series 1934	Various dates from July 1, 1929.	After 1 year from date of issue; on June 30, 1934.	4	do	do		454,000	454,000
Series 1935	Various dates from June 30, 1930.	After 1 year from date of issue; on June 30, 1935.	4	do	do		509,000	509,000
Series 1936	June 30, 1931	After 1 year from date of issue; on June 30, 1936.	4	do	do		48,000	48,000

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Certificates of indebtedness:								
Act of Sept. 24, 1927 [1]—								
Series TS-1931	Sept. 15, 1930	On Sept. 15, 1931	2¾	Mar. and Sept. 15.	Par		334, 211, 000	334, 211, 000
Series TS2-1931	Mar. 16, 1931	do	1½	Sept. 15	do		300, 176, 000	300, 176, 000
Series TD-1931	Dec. 15, 1930	On Dec. 15, 1931	1⅞	June and Dec. 15.	do		268, 381, 000	268, 381, 000
Series TD2-1931	Apr. 15, 1931	do	1⅞	do	do		275, 118, 000	275, 118, 000
Series TM-1932	Mar. 16, 1931	On Mar. 15, 1932	2	Mar. and Sept. 15.	do		623, 891, 500	623, 891, 500
Adjusted service certificate fund, series 1932.	Mar. 5 and May 4, 1931.	On demand; on Jan. 1, 1932.	4	Jan. 1, 1932	do	Not exceeding $10,000,000,000 outstanding at any one time.	356, 000, 000	121, 800, 000
Treasury bills, act of Sept. 24, 1917: [1, 2]								
Series maturing July 1, 1931	Apr. 2, 1931	On July 1, 1931	1.465	July 1, 1931	$99.634		50, 427, 000	50, 427, 000
Series maturing July 2, 1931	Apr. 3, 1931	On July 2, 1931	1.465	July 2, 1931	99.634		50, 428, 000	50, 428, 000
Series maturing July 17, 1931	May 18, 1931	On July 17, 1931	1.001	July 17, 1931	99.833		50, 102, 000	50, 102, 000
Series maturing July 27, 1931	Apr. 27, 1931	On July 27, 1931	1.330	July 27, 1931	99.664		53, 510, 000	53, 510, 000
Series maturing Aug. 3, 1931	May 5, 1931	On Aug. 3, 1931	1.295	Aug. 3, 1931	99.676		60, 100, 000	60, 100, 000
Series maturing Aug. 10, 1931	May 11, 1931	On Aug. 10, 1931	1.182	Aug. 10, 1931	99.701		50, 000, 000	50, 000, 000
Series maturing Aug. 17, 1931	May 18, 1931	On Aug. 17, 1931	1.010	Aug. 17, 1931	99.745		50, 000, 000	50, 000, 000
Series maturing Aug. 31, 1931	June 1, 1931	On Aug. 31, 1931	.849	Aug. 31, 1931	99.777		80, 013, 000	80, 013, 000
Total interest-bearing debt								**16, 519, 588, 640**
Total matured debt on which interest has ceased.								**51, 822, 845**

Title and authorizing act	Authorized to be outstanding at one time	Issues or deposits, including reissues	Authorized to be outstanding at present time	Outstanding
NONINTEREST-BEARING DEBT				
Old demand notes: Acts of July 17, 1861; Aug. 5, 1861; Feb. 12, 1862	$60, 000, 000	[3] $60, 030, 000		$53, 013
Fractional currency: Acts of July 17, 1862; Mar. 3, 1863; June 30, 1864	50, 000, 000	[3] 368, 724, 080		[4] 1, 989, 282
Legal-tender notes: Acts of Feb. 25, 1862; July 11, 1862; Mar. 3, 1863; May 31, 1878; Mar. 14, 1900; Mar. 4, 1907	450, 000, 000		$346, 681, 016	346, 681, 016
National-bank notes (redemption account—balance remaining of deposits by national banks to redeem their circulating notes): Act of July 14, 1890	Indefinite.			33, 988, 385
Thrift and Treasury savings stamps, unclassified sales, etc				3, 401, 051
Total noninterest-bearing debt				**386, 112, 746**
Total debt				16, 957, 524, 231
Less gold reserve				156, 039, 088
Gross debt as shown on statement of the public debt June 30, 1930				**16, 801, 485, 143**

[1] As amended. [2] Treasury bills are noninterest bearing and are sold at a discount. The average sale price gives an approximate yield on a bank discount basis as indicated.
[3] Including reissues. [4] After deducting amounts officially estimated to have been lost or irrevocably destroyed.

Source: Annual Report of the Secretary of the Treasury.

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No. 191.—PUBLIC DEBT OF THE UNITED STATES: TRANSACTIONS DURING THE YEARS ENDED JUNE 30, 1926 TO 1931

[All figures in thousands of dollars]

	1926	1927	1928	1929	1930	1931
Gross debt outstanding at beginning of period or year	**20, 516, 272**	**19, 643, 183**	**18, 510, 174**	**17, 604, 291**	**18, 931, 198**	**18, 185, 308**
Interest-bearing debt	20, 210, 906	19, 383, 771	18, 250, 944	17, 317, 695	16, 638, 941	15, 921, 892
Matured debt on which interest has ceased	30, 243	13, 328	14, 707	45, 332	50, 751	31, 715
Debt bearing no interest (less gold reserve)	275, 123	246, 084	244, 523	241, 264	241, 505	231, 701
Public debt issues	**3, 008, 357**	**5, 185, 083**	**6, 855, 341**	**5, 194, 342**	**3, 722, 970**	**6, 573, 118**
Pre-war issues	544	690	1, 583	2, 075	2, 338	3, 610
Certificates of indebtedness	2, 355, 515	3, 145, 735	5, 419, 284	4, 637, 488	3, 201, 562	3, 759, 219
Treasury bills					312, 024	1, 059, 761
Treasury notes	123, 500	1, 529, 456	1, 365, 247	161, 077	178, 986	309, 525
Treasury bonds	494, 898	467, 802	27, 053	359, 043		1, 415, 636
Treasury (war) savings securities	11, 677	13, 572	17, 052	10, 015	550	3
National-bank notes, deposits for retirement	22, 223	27, 828	25, 122	24, 644	27, 510	25, 364
Public debt redemptions	**3, 881, 447**	**6, 318, 092**	**7, 761, 224**	**5, 867, 435**	**4, 468, 860**	**5, 956, 941**
Pre-war issues	640	213	88	109	202	72
Certificates of indebtedness	2, 449, 743	2, 927, 254	4, 867, 363	4, 240, 027	3, 578, 968	3, 107, 279
Treasury bills					156, 046	771, 149
First Liberty loan	12, 307	54	4	5	5, 597	24
Second Liberty loan	31	1, 798, 148	1, 273, 632	23, 143	4, 093	1, 518
Third Liberty loan	397, 105	340, 608	918, 816	1, 208, 395	10, 788	3, 151
Fourth Liberty loan	9	27, 566	2, 863	15, 684	10, 108	33
Victory Liberty loan	2, 307	1, 282	959	497	290	179
Treasury notes	930, 485	1, 119, 512	490, 215	201, 477	649, 919	2, 045, 999
Treasury bonds	1	10, 000	150	12, 695		1
Treasury (war) savings securities	33, 850	64, 162	178, 827	141, 055	15, 572	588
National-bank notes, retirements	54, 400	28, 061	27, 687	24, 346	37, 276	26, 946
Miscellaneous noninterest-bearing debt	569	1, 233	619	1	1	1
Gross debt outstanding at close of period or year	**19, 643, 183**	**18, 510, 174**	**17, 604, 291**	**16, 931, 198**	**16, 185, 308**	**16, 801, 485**
Interest-bearing	19, 383, 771	18, 250, 944	17, 317, 695	16, 638, 941	15, 921, 892	16, 519, 589
Matured debt on which interest has ceased	13, 328	14, 707	45, 332	50, 751	31, 715	51, 823
Debt bearing no interest less gold reserve	246, 084	244, 523	241, 264	241, 505	231, 701	230, 074

No. 192.—OBLIGATIONS OF FOREIGN GOVERNMENTS TO UNITED STATES: AMOUNT OF INDEBTEDNESS AND PAYMENTS ON ACCOUNT

[All figures in thousands of dollars. Indebtedness includes accrued interest]

Country	Total indebtedness Dec. 31 [1]		Payments to Dec. 31, 1931			Payments during year ended Dec. 31, 1931		
	1930	1931	Total	Principal	Interest	Total	Principal	Interest
Total	**11, 609, 030**	**11, 596, 501**	**2, 627, 581**	**725, 300**	**1, 902, 280**	**112, 568**	**20, 464**	**92, 104**
Armenia	18, 460	19, 019						
Austria	24, 040	23, 752	863	863		288	288	
Belgium	404, 730	400, 680	52, 191	19, 158	33, 034	5, 675	4, 050	1, 625
Cuba			12, 287	10, 000	2, 287			
Czechoslovakia	168, 571	167, 071	18, 304	18, 000	304	1, 500	1, 500	
Estonia	16, 466	16, 466	1, 248		1, 248	247		247
Finland	8, 604	8, 604	2, 955	396	2, 559	129		129
France	3, 865, 000	3, 863, 650	486, 076	226, 040	260, 036	20, 675	1, 350	19, 325
Great Britain	4, 398, 000	4, 398, 000	1, 911, 798	404, 182	1, 507, 617	65, 970		65, 970
Greece	31, 730	31, 516	3, 092	984	2, 108	445	214	231
Hungary	1, 909	1, 909	468	74	394	26		29
Italy	2, 017, 000	2, 004, 900	97, 584	37, 464	60, 120	13, 361	12, 100	1, 261
Latvia	6, 889	6, 889	634		634	103		103
Liberia			36	26	10			
Lithuania	6, 235	6, 198	1, 129	235	894	131	38	94
Nicaragua	328	353	169	141	28			
Poland	206, 057	206, 057	22, 646	1, 287	21, 359	3, 091		3, 091
Rumania	64, 561	63, 861	4, 762	4, 499	263	700	700	
Russia	308, 601	317, 953	[1] 8, 749		[1] 8, 749			
Yugoslavia	61, 850	61, 625	2, 589	1, 953	636	225	225	

[1] Represents proceeds of liquidation of financial affairs of Russian Government in this country.

Source of Tables 191 and 192: Treasury Department.

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No. 193.—SUMMARY OF SECURITIES OWNED BY THE UNITED STATES GOVERNMENT, AS OF JUNE 30, 1929 TO 1931

NOTE.—This statement is made up on the basis of the face value of the securities as received by the United States, with due allowance for repayments. It does not include securities which the United States holds as collateral, or as the result of the investment of trust funds; as, for example, securities held for the account of the Alien Property Custodian, the Government life insurance fund, and other similar trust funds

[All figures in thousands of dollars]

Class of security	1929	1930	1931
Grand total	**11,115,050**	**11,639,564**	**12,333,718**
Foreign obligations	10,897,564	11,406,907	11,746,109
Received under debt settlements	7,257,928	11,086,120	11,062,898
All other [1]	3,639,636	320,787	683,211
Capital stock of war emergency corporations [2]	42,144	47,570	46,673
Emergency Fleet Corporation	13,020	20,073	19,778
U. S. Housing Corporation	29,024	27,397	26,795
U. S. Spruce Corporation	100	100	100
Railroad obligations	62,699	54,792	39,942
Capital stock of Panama R. R	7,000	7,000	7,000
Capital stock of Inland Waterways Corporation	7,500	9,000	12,000
Capital stock of Federal land banks	383	293	238
Capital stock of Federal intermediate credit banks	30,000	30,000	30,000
Securities received by War and Navy Departments on account of sales of surplus war supplies and property	6,699	6,429	5,817
Securities received by U. S. Shipping Board on account of sales of ships, etc	61,062	77,573	100,484
Notes received by Federal Farm Board on account of advances from revolving fund created by the agricultural marketing act			345,454

[1] Figures do not include interest accrued and unpaid.

[2] Figures represent balance after offsetting the deposits made by the corporations with the Treasury against holdings of capital stock. Capital stock outstanding of the War Finance Corporation, which is in liquidation, was more than offset by deposits with the Treasury.

No. 194.—MONEY COST OF WORLD WAR TO UNITED STATES GOVERNMENT TO JUNE 30, 1931

NOTE.—Data, which are partly estimated, include expenditures during the war period taken as extending from Apr. 6, 1917, to June 30, 1921, and continuing costs, expenses of the Veterans' Bureau, interest on war debt, and construction of veterans' hospitals, to June 30, 1931. They make allowance for estimated normal expenditures under the War and Navy Departments, receipts on account of the sale of war supplies and surplus Government property, and assets held on June 30, 1921, except foreign obligations and amounts due from Germany account of army of occupation, which are taken as of June 30, 1930

[All figures in thousands of dollars]

	Total war costs	Receipts	Assets June 30, 1921 (partly estimated)	Net war costs
Total	**52,831,360**	**4,483,047**	**9,189,664**	**39,158,649**
Military activities	16,283,569	981,574	452,402	14,849,594
Naval activities	3,480,782	24,439	55,000	3,401,343
War emergency corporations [1]	4,387,600	487,729	874,598	3,025,273
War expenditures under other departments and war agencies [2]	3,541,813	597,787	67,664	2,876,361
Interest on war debt to June 30, 1931	10,731,417			10,731,417
Foreign obligations (June 30, 1930)	[3] 9,610,404	2,391,518	[4] 7,740,000	[5] *521,115*
Veterans' Bureau (continuing cost to June 30, 1931) [6]	4,745,450			4,745,450
Settlement of war claims act of 1928	50,326			50,326

[1] Includes data for War Finance Corporation revised to June 30, 1929, and of United States Shipping Board Emergency Fleet Corporation revised to June 30, 1930.

[2] Includes expenditures, receipts, etc., under Federal control of transportation systems and expenditures for hospital construction to June 30, 1930.

[3] Represents obligations acquired for cash advances under Liberty bond acts.

[4] Value June 30, 1930, on the basis of 4 per cent per annum, payable semiannually (approximately the average rate of interest United States is paying on its public debt), of payments to be received on all accounts under funding agreements, including the debts of Austria and Greece on a similar basis.

[5] Credit, deduct.

[6] Expenditures prior to 1922 by the War Risk Bureau are included with "War expenditures under other departments and war agencies."

Source of Tables 193 and 194: Annual Report of the Secretary of the Treasury.

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10. STATE, MUNICIPAL, AND LOCAL GOVERNMENT FINANCES

No. 195.—TAXES: Total Levies of Ad Valorem General Property Taxes of States, Counties, and Minor Civil Divisions

NOTE.—The data represent the total levies of general property taxes of States, counties, cities, villages, towns, townships, school districts, etc., and for all purposes. They do not cover "special assessments" on property benefited by specific improvements nor special property taxes applying only to limited classes, nor taxes based on other standards than property, such as income, volume of business, inheritance, etc., which have been steadily growing in relative importance. The change in buying power of money affects materially the comparability of the figures. For data for 1870 and 1890, by States, see Table 437, Statistical Abstract of 1922

Division and State	Levies of general property taxes (thousands of dollars)					Amount per capita (dollars)				
	1860	1880	1902	1912	1922	1860	1880	1902	1912	1922
Grand total	94,187	313,921	724,737	1,349,841	3,503,795	3.00	6.26	9.22	13.91	32.23
New England	13,565	42,492	76,306	127,232	270,516	4.33	10.60	13.29	18.53	35.59
Maine	2,257	5,182	6,856	8,987	22,295	3.59	7.99	9.78	11.86	28.83
New Hampshire	1,262	3,179	4,166	6,978	15,029	3.87	9.16	9.95	15.98	33.71
Vermont	908	1,745	1,911	4,020	9,188	2.88	5.25	5.52	11.17	26.07
Massachusetts	7,437	24,327	49,219	82,566	156,285	6.04	13.64	17.06	23.27	39.33
Rhode Island	686	2,693	6,133	8,192	19,925	3.93	9.74	13.65	14.13	32.12
Connecticut	1,015	5,366	8,021	16,489	47,794	2.21	8.62	8.53	13.95	33.30
Middle Atlantic	25,551	94,130	211,936	364,266	840,028	3.43	8.97	13.17	17.71	36.66
New York	15,363	56,393	132,711	221,467	454,878	3.96	11.09	17.49	22.80	42.72
New Jersey	1,458	8,958	20,956	49,424	145,355	2.17	7.92	10.54	17.98	44.27
Pennsylvania	8,730	28,779	58,269	93,375	239,795	3.00	6.72	8.95	11.52	26.70
East North Central	23,531	78,502	172,421	292,091	869,682	3.40	7.00	10.47	15.38	39.27
Ohio	9,611	25,757	47,460	76,697	224,423	4.11	8.05	11.15	15.45	37.63
Indiana	3,701	11,943	27,968	45,644	117,138	2.74	6.04	10.84	16.53	39.26
Illinois	6,122	24,586	53,013	84,834	250,380	3.58	7.99	10.56	14.37	37.60
Michigan	1,767	8,628	23,477	47,998	168,797	2.36	5.27	9.48	16.34	43.90
Wisconsin	2,330	7,588	20,503	36,848	108,944	3.00	5.77	9.61	15.23	40.45
West North Central	7,442	35,490	95,010	180,440	490,329	3.43	5.76	9.00	15.06	38.52
Minnesota	666	4,346	17,761	38,108	107,325	3.87	5.57	9.65	17.47	43.78
Iowa	2,378	11,062	22,603	36,570	105,842	3.52	6.81	10.17	16.45	43.36
Missouri	4,110	11,832	21,785	35,491	91,445	3.48	5.46	6.82	10.58	26.64
North Dakota		[1] 478	4,186	11,875	31,167		[2] 3.54	11.44	17.97	47.13
South Dakota			4,329	10,720	32,483			10.69	16.67	50.18
Nebraska	92	2,792	9,499	19,781	53,236	3.19	6.17	8.89	16.04	40.26
Kansas	196	4,980	14,847	27,895	69,331	1.83	5.00	10.14	16.55	38.83
South Atlantic	9,580	21,553	46,365	91,136	255,316	1.79	2.84	4.31	7.15	17.73
Delaware	206	604	1,317	1,791	4,841	1.83	4.12	7.00	8.61	21.20
Maryland	2,159	5,437	10,698	16,360	40,026	3.14	5.82	8.79	12.30	26.95
District of Columbia	260	1,469	3,351	5,399	12,366	3.47	8.27	11.62	15.51	28.26
Virginia	3,673	4,694	6,896	13,822	33,878	2.30	3.10	3.64	6.49	14.32
West Virginia		1,994	5,507	10,026	38,435		3.22	5.52	7.67	25.39
North Carolina	1,045	1,916	3,975	9,989	37,017	1.05	1.37	2.04	4.33	13.98
South Carolina	1,280	1,840	3,736	6,899	20,886	1.82	1.85	2.73	4.39	12.09
Georgia	798	3,014	8,204	18,414	35,673	.75	1.95	3.58	6.73	12.01
Florida	159	585	2,681	8,436	32,194	1.13	2.17	4.79	10.22	31.44
East South Central	5,057	11,996	27,167	51,663	125,781	1.26	2.15	3.50	5.95	13.98
Kentucky	2,148	5,201	10,462	17,669	37,322	1.86	3.15	4.74	7.56	15.28
Tennessee	1,103	2,516	7,626	14,112	35,127	.99	1.63	3.68	6.31	14.83
Alabama	851	2,062	4,899	9,971	22,684	.88	1.63	2.59	4.45	9.46
Mississippi	955	2,217	4,180	9,911	30,648	1.21	1.96	2.61	5.28	17.12
West South Central	6,129	10,794	29,985	77,723	232,351	3.51	3.24	4.35	8.17	21.05
Arkansas	635	1,839	4,446	10,621	17,476	1.46	2.29	3.30	6.40	9.77
Louisiana	4,961	4,386	8,478	14,432	41,562	7.01	4.67	5.91	8.27	22.65
Oklahoma			[3] 3,377	19,705	54,079			[3] 3.77	10.16	25.69
Texas	533	4,569	13,684	32,965	109,234	.88	2.87	4.26	7.90	22.60
Mountain	95	4,717	24,312	54,327	144,486	.54	7.22	13.76	18.45	41.23
Montana		384	4,092	11,245	26,008		9.80	15.53	26.83	43.94
Idaho		187	1,895	6,952	18,569		5.73	11.11	18.35	40.68
Wyoming		230	1,074	2,610	8,365		11.07	11.16	15.98	40.68
Colorado		2,152	10,741	16,931	44,588		11.07	19.34	19.17	45.75
New Mexico	30	164	1,410	3,426	8,805	.32	1.37	7.15	9.26	23.89
Arizona		293	1,635	4,358	15,352		7.25	12.59	18.88	42.54
Utah	65	435	2,848	6,529	17,711	1.61	3.02	9.81	16.13	37.82
Nevada		872	617	2,276	5,068		14.00	14.57	24.02	65.47
Pacific	3,237	14,247	41,235	111,033	284,756	7.29	12.78	16.42	23.28	48.61
Washington	57	505	9,003	31,205	66,283	4.94	6.73	16.43	23.21	47.13
Oregon	199	1,114	4,920	17,139	40,090	3.79	6.37	11.43	22.64	49.55
California	2,981	12,628	27,312	62,689	178,383	7.85	14.60	17.81	23.50	48.97

[1] Dakota Territory. [2] Oklahoma and Indian Territory combined.

Source: Bureau of the Census, Department of Commerce.

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No. 196.—ASSESSED VALUATION OF PROPERTY SUBJECT TO GENERAL PROPERTY TAX, 1930

NOTE.—Data shown are taxable values of property subject to the general property tax for the use of State governments. Property belonging to railroads, telegraph companies, and a number of similar corporations is in some States distinguished as real or personal, but in a number of States it is treated as a single total. In the latter case, figures for such corporations and also other property and franchise valuations of corporations for which data were insufficient for a complete distinction of real from personal are not shown separately but are included in the totals

[All figures in millions of dollars]

Division and State	Total [1]	Real property	Personal property	Division and State	Total [1]	Real property	Personal property
Grand total	[2] 165,727	[2] 127,495	[2] 31,464	South Atlantic—Con.			
				Virginia [4]	[5] 2,379	1,343	1,036
New England	13,428	11,398	1,936	West Virginia	2,034	1,160	364
Maine	757	642	115	North Carolina [2]	2,975	2,975	(3)
New Hampshire	676	548	78	South Carolina	415	213	202
Vermont	332	234	54	Georgia	1,303	776	311
Massachusetts	7,234	6,405	829	Florida	614	470	71
Rhode Island	1,419	943	476				
Connecticut	3,010	2,626	384	East South Central	7,076	4,183	2,239
				Kentucky	3,253	1,590	1,664
Middle Atlantic	46,509	41,572	4,439	Tennessee	1,842	1,332	214
New York	27,035	26,716	319	Alabama	1,238	787	214
New Jersey	6,829	5,491	840	Mississippi	743	474	147
Pennsylvania [2]	12,645	9,365	3,280				
				West South Central	8,529	5,724	2,472
East North Central	42,650	31,477	9,205	Arkansas	624	431	194
Ohio	13,453	9,376	4,077	Louisiana	1,747	1,083	664
Indiana	5,161	3,768	1,393	Oklahoma	1,830	1,157	340
Illinois	8,333	6,183	1,345	Texas	4,328	3,053	1,274
Michigan	9,015	7,019	1,545				
Wisconsin	6,688	5,131	845	Mountain	4,929	3,186	790
				Montana	443	255	94
West North Central	18,633	12,972	4,362	Idaho	483	339	29
Minnesota	2,386	1,716	670	Wyoming	437	238	83
Iowa	1,471	800	583	Colorado	1,586	1,037	297
Missouri	4,731	3,574	657	New Mexico	345	140	56
North Dakota	998	719	279	Arizona	704	629	72
South Dakota	1,744	1,342	277	Utah	723	375	124
Nebraska	3,486	2,410	1,076	Nevada	208	173	35
Kansas	3,817	2,411	820				
				Pacific	11,187	7,842	3,165
South Atlantic	12,786	9,131	2,856	Washington	1,253	1,009	244
Delaware [2]	284	284	(3)	Oregon	1,125	823	122
Maryland	2,782	1,910	872	California [2]	8,809	6,010	2,799

[1] See headnote.
[2] No general property tax levied for State purposes in Pennsylvania, Delaware, North Carolina, and California, but assessed valuation of property for local taxation in these States is shown.
[3] Valuation of personal property included with that of real property.
[4] Only personal intangible and certain classes of public service corporations taxed for State purposes.
[5] Includes assessed valuation of $1,605,000,000 on which no State tax is levied.

No. 197.—PUBLIC DEBT: GROSS DEBT LESS SINKING FUND ASSETS OF ALL CLASSES OF GOVERNMENT ORGANIZATIONS IN THE UNITED STATES

NOTE.—For national debt (gross figure) for later years, see Table 189; for State debts, Table 204

Government organization	1880	1890	1902	1912	1922
Total (thousands of dollars)	3,042,605	1,989,113	[1] 2,838,896	4,850,480	30,845,626
National [2]	1,919,327	851,913	969,457	1,028,564	22,155,886
States	274,746	211,210	[1] 239,369	345,942	935,544
Counties	124,105	145,048	196,565	371,528	1,272,790
Incorporated places and all other civil divisions	724,428	780,942	1,433,505	3,104,426	6,481,406
Per capita (dollars): [3]					
National [2]	38.27	13.60	12.22	10.59	203.78
States	5.48	3.37	3.03	3.57	8.64
Counties	2.47	2.51	2.80	4.33	13.18

[1] Revised figure.
[2] Gross debt less cash in the Treasury as of June 30, 1880, 1891, 1903, 1913, and 1923.
[3] Not computed for incorporated places and all other civil divisions.

Source of Tables 196 and 197: Bureau of the Census, Department of Commerce.

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No. 198.—STATE FINANCES: Total Revenue Receipts and Govern

[All figures except per capita

Division and State	Revenue receipts						Governmental-cost payments for operation, maintenance, and interest		
			1929		1930				1929
	1915	1922	Total	General and special property taxes	Total	General and special property taxes	1915	1922	Total
Grand total	458,233	1,159,527	2,059,327	459,084	2,243,110	441,638	399,714	962,275	1,402,010
New England	45,631	105,214	155,704	39,328	168,987	39,281	37,925	74,142	104,607
Maine	5,796	13,076	18,014	5,851	21,563	6,884	5,057	10,940	13,117
New Hampshire	2,418	6,537	9,693	2,929	11,098	2,962	1,599	4,413	7,969
Vermont	2,630	5,053	10,506	2,613	11,095	2,652	2,478	4,216	9,315
Massachusetts	24,051	51,339	65,069	17,902	69,182	16,494	19,011	33,629	45,594
Rhode Island	3,245	7,393	15,471	3,954	17,128	3,875	2,952	5,436	7,878
Connecticut	7,191	21,816	36,951	6,079	38,921	6,414	6,828	15,508	20,234
Middle Atlantic	104,957	263,212	517,722	104,615	572,156	89,433	96,097	226,775	358,469
New York	53,777	134,681	272,940	25,596	296,509	14,926	49,306	113,589	197,195
New Jersey	17,999	42,083	91,068	40,856	106,550	43,111	17,055	46,856	57,978
Pennsylvania	33,181	86,448	153,714	38,163	169,097	31,396	29,736	66,330	103,296
East North Central	91,377	223,612	345,945	90,439	400,557	101,478	74,310	199,930	236,334
Ohio	20,849	53,689	78,527	9,521	83,151	11,834	16,752	54,734	52,219
Indiana	10,706	25,588	48,882	11,820	52,632	13,247	9,743	19,016	29,545
Illinois	26,239	45,042	69,902	19,792	90,179	15,593	16,992	30,874	51,056
Michigan	17,703	61,738	94,533	39,303	113,501	48,764	16,916	69,777	68,203
Wisconsin	15,880	37,555	54,101	9,993	61,094	12,040	13,907	25,529	35,311
West North Central	56,898	148,175	242,940	59,139	253,406	49,636	46,473	127,341	154,891
Minnesota	19,470	42,262	63,041	13,950	64,413	8,987	13,692	29,708	40,703
Iowa	9,489	31,907	40,891	9,709	44,314	10,630	7,637	16,325	25,966
Missouri	10,001	26,871	50,130	9,175	50,749	7,889	8,875	40,047	32,048
North Dakota	3,801	8,752	18,716	3,582	17,697	3,136	3,551	8,009	14,375
South Dakota	3,204	11,059	18,257	4,900	19,779	5,186	3,015	14,117	12,902
Nebraska	5,116	14,944	19,977	7,759	22,858	7,490	4,207	8,611	12,677
Kansas	5,817	12,380	31,928	10,064	33,596	6,318	5,496	10,524	16,220
South Atlantic	37,902	111,595	232,491	34,476	243,782	35,618	35,672	91,064	148,671
Delaware	856	4,855	14,791	3,241	15,499	2,941	740	3,822	5,885
Maryland	7,497	18,463	28,165	7,400	31,160	7,321	6,750	13,533	19,718
Virginia	9,358	26,501	48,410	4,878	42,583	3,932	8,408	19,777	26,171
West Virginia	3,264	12,348	23,632	2,915	24,700	3,187	3,562	11,375	17,629
North Carolina	4,706	13,164	41,401	918	46,574	969	4,531	15,108	30,267
South Carolina	2,729	8,399	21,654	2,626	21,331	3,144	2,880	6,417	15,570
Georgia	6,385	17,317	28,136	6,755	35,638	6,457	6,206	12,137	17,511
Florida	3,107	10,548	26,302	5,743	26,297	7,667	2,595	8,895	15,920
East South Central	25,901	59,914	119,786	30,596	118,326	31,089	26,217	47,102	90,781
Kentucky	8,046	17,917	35,840	11,151	36,756	11,554	8,671	12,887	22,203
Tennessee	5,135	15,465	34,405	3,762	34,223	3,598	5,283	11,163	23,219
Alabama	7,178	15,382	30,802	9,442	30,276	9,652	7,338	12,532	26,953
Mississippi	4,942	11,150	18,739	6,241	17,071	6,285	4,925	10,520	18,406
West South Central	36,534	84,420	181,973	46,703	208,829	48,737	31,867	79,144	136,022
Arkansas	3,799	7,500	22,640	6,084	24,776	5,292	3,758	6,863	20,458
Louisiana	8,735	20,087	30,876	10,097	33,210	9,834	7,203	15,212	24,195
Oklahoma	5,276	14,974	33,727	3,666	39,435	4,383	4,979	12,695	22,873
Texas	18,724	41,859	94,730	26,856	111,408	29,228	15,927	44,374	68,496
Mountain	19,086	61,832	84,839	25,783	91,142	27,334	16,469	38,272	57,287
Montana	3,284	8,458	11,839	1,945	13,135	2,010	3,004	5,064	7,377
Idaho	2,078	5,767	8,377	2,034	9,230	2,025	1,800	4,295	4,990
Wyoming	1,243	6,599	8,765	1,731	9,001	1,825	1,005	2,862	5,588
Colorado	3,640	13,858	18,726	5,625	20,498	5,888	3,902	8,781	12,892
New Mexico	1,946	5,955	9,674	2,510	8,797	2,494	1,233	3,904	6,338
Arizona	2,248	9,427	10,503	5,331	12,692	6,554	1,919	4,854	7,701
Utah	3,712	8,531	12,235	5,158	13,362	5,160	2,549	6,779	9,713
Nevada	935	3,237	4,720	1,449	4,427	1,378	1,057	1,733	2,688
Pacific	40,547	101,553	177,927	28,015	185,925	19,032	34,684	78,505	114,948
Washington	11,367	22,485	35,311	13,353	40,377	13,886	7,996	13,908	23,887
Oregon	4,541	19,448	25,696	5,500	30,369	5,113	3,558	15,172	15,622
California	24,639	59,620	116,920	9,162	115,179	33	23,130	49,425	75,439

Source: Bureau of the Census, Department of Commerce.

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MENTAL-COST PAYMENTS FOR OPERATION, MAINTENANCE, AND INTEREST

in thousands of dollars]

Governmental-cost payments for operation, maintenance, and interest—Contd.					Outlays for permanent improvements		Per capita revenue receipts		Per capita governmental-cost payments for operation, maintenance and interest		Division and State
1929—Contd.		1930									
Operation and maintenance	Interest	Total	Operation and maintenance	Interest	1929	1930	1929	1930	1929	1930	
1,307,873	94,137	1,501,496	1,400,065	101,431	659,006	788,774	$17.06	$18.39	$11.62	$12.31	U. S.
100,385	4,222	109,027	104,713	4,314	46,830	48,551	19.24	20.70	12.93	13.36	N. E.
12,189	928	14,184	13,228	956	7,392	8,384	22.69	27.05	16.52	17.80	Me.
7,836	133	9,472	9,265	207	3,043	2,701	20.95	23.87	17.23	20.37	N. H.
9,526	289	7,310	6,906	404	6,475	4,425	29.29	30.90	27.36	20.36	Vt.
44,262	1,332	48,209	46,974	1,235	10,550	13,992	15.43	16.26	10.81	11.33	Mass.
6,995	883	8,476	7,621	855	5,158	5,748	22.73	25.00	11.57	12.37	R. I.
19,577	657	21,376	20,719	657	14,212	13,301	23.40	24.31	12.81	13.35	Conn.
335,801	22,668	395,615	372,190	23,425	121,808	151,478	20.09	21.87	13.91	15.13	M. A.
182,389	14,806	218,206	202,678	15,528	56,252	73,670	22.16	23.66	16.01	17.41	N. Y.
54,232	3,746	62,054	58,203	3,851	32,865	36,585	23.15	26.51	14.74	15.44	N. J.
99,180	4,116	115,355	111,309	4,046	32,691	41,223	16.16	17.61	10.86	12.01	Pa.
223,589	12,745	248,104	234,508	13,596	135,633	140,781	13.90	15.86	9.50	9.82	E. N. C
51,411	808	56,622	55,922	700	13,512	31,423	11.93	12.47	7.93	8.49	Ohio.
29,445	100	30,939	30,814	125	19,641	20,870	15.24	16.25	9.21	9.55	Ind.
43,989	7,067	53,610	45,463	8,147	55,967	40,595	9.33	11.86	6.82	7.05	Ill.
63,542	4,661	71,157	66,636	4,521	29,813	30,413	20.12	23.58	14.51	14.78	Mich.
35,202	109	35,776	35,673	103	16,700	17,480	18.65	20.84	12.17	12.20	Wis.
140,666	14,225	160,222	146,074	14,148	71,356	101,612	18.38	19.07	11.72	12.06	W. N. C
36,724	3,979	40,815	37,168	3,647	10,514	14,692	24.80	25.16	16.01	15.94	Minn.
25,088	878	24,631	23,845	786	16,332	20,362	16.60	17.95	10.54	9.98	Iowa.
28,946	3,102	34,494	30,988	3,506	21,383	33,448	13.88	13.96	8.87	9.49	Mo.
12,405	1,970	14,808	12,914	1,894	3,632	3,142	27.66	26.02	21.24	21.78	N. Dak.
9,784	3,118	12,941	10,115	2,826	3,482	3,742	26.61	28.58	18.81	18.70	S. Dak.
12,674	3	14,961	14,947	14	4,734	7,655	14.60	16.61	9.27	10.87	Nebr.
15,045	1,175	17,572	16,097	1,475	11,279	18,571	17.10	17.89	8.69	9.36	Kans.
132,936	15,735	168,774	151,599	17,175	79,369	93,620	15.40	15.96	9.85	11.05	S. A.
5,379	506	6,218	5,882	336	3,758	4,854	62.54	65.12	24.89	26.13	Del.
18,478	1,240	23,014	21,671	1,343	8,493	12,984	17.45	19.09	12.22	14.10	Md.
25,120	1,051	28,769	27,808	961	11,815	13,896	20.10	17.60	10.87	11.89	Va.
15,001	2,628	18,332	15,289	3,043	6,106	14,134	13.93	14.34	10.39	10.64	W. Va.
22,584	7,683	36,673	28,607	8,066	17,456	13,756	13.37	14.76	9.78	11.62	N. C.
14,113	1,457	16,568	14,213	2,355	11,607	13,608	12.48	12.26	8.98	9.52	S. C.
17,187	324	20,891	20,499	392	10,221	12,862	9.88	12.25	6.02	7.18	Ga.
15,074	846	18,309	17,630	679	9,913	7,531	18.69	18.06	11.31	12.58	Fla.
84,103	6,678	93,933	84,677	9,256	60,942	60,766	11.81	11.98	8.95	9.51	E. S. C.
21,581	622	22,608	21,983	625	15,589	11,558	12.15	14.08	7.53	8.66	Ky.
21,320	1,899	26,188	22,177	4,011	23,292	36,618	13.32	13.11	8.99	10.03	Tenn.
24,163	2,790	27,254	24,047	3,207	16,722	8,280	11.77	11.44	10.30	10.30	Ala.
17,039	1,367	17,883	16,470	1,413	5,339	4,315	9.42	8.49	9.26	8.90	Miss.
129,730	6,302	141,949	133,870	8,079	69,132	103,136	15.20	17.17	11.36	11.67	W. S. C.
15,351	5,107	22,589	16,628	5,961	23,131	24,871	12.29	13.38	11.11	12.20	Ark.
23,176	1,019	25,564	23,863	1,701	11,283	21,299	14.85	15.75	11.64	12.12	La.
22,774	99	23,076	22,873	203	10,338	18,909	14.34	16.52	9.73	9.67	Okla.
68,419	77	70,720	70,506	214	24,380	38,057	16.61	19.16	12.01	12.16	Tex.
54,680	2,607	60,735	58,470	2,265	26,371	31,085	23.19	24.67	15.66	16.44	Mt.
6,981	396	7,816	7,405	411	4,361	5,627	21.96	24.41	13.69	14.53	Mont.
4,643	347	5,846	5,503	343	2,502	3,676	18.88	20.74	11.25	13.14	Idaho.
5,500	88	6,039	5,960	79	2,471	2,506	39.40	39.83	25.11	26.72	Wyo.
12,379	513	13,413	12,975	438	4,821	5,466	18.29	19.84	12.59	12.98	Colo.
5,700	638	7,156	6,800	356	5,175	5,029	23.28	20.85	15.25	16.96	N. Mex.
7,606	95	7,799	7,675	124	3,565	4,268	24.82	29.31	18.20	18.01	Ariz.
9,267	446	9,968	9,513	455	1,807	2,745	24.44	26.41	19.40	19.70	Utah.
2,604	84	2,698	2,639	59	1,669	1,768	52.38	48.64	29.83	29.64	Nev.
105,993	8,955	123,137	113,964	9,173	47,565	57,745	22.60	22.87	14.60	15.15	Pac.
23,130	757	24,084	23,352	732	12,902	11,656	23.03	26.00	15.58	15.51	Wash.
12,703	2,919	16,497	13,725	2,772	7,713	12,011	27.42	31.83	16.67	17.29	Oreg.
70,160	5,279	82,556	76,887	5,669	26,950	34,078	21.64	20.49	13.96	14.68	Calif.

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No. 199.—REVENUES AND EXPENDITURES OF STATE GOVERNMENTS

NOTE.—Both receipts and expenditures are net figures, excluding temporary and special transactions which represent virtually duplication. Revenue receipts do not include any receipts from borrowing of money. Outlays, which enter into the total for governmental-cost payments, represent capital investments, including those made with the proceeds of borrowed money. The excess of governmental-cost payments over revenue receipts represents, approximately, increase of indebtedness

	1928			1929			1930		
	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total	Amount (thousands of dollars)	Per capita (dollars)	Per cent of total
Revenue receipts, total	1,935,432	16.31	100.0	2,059,327	17.06	100.0	2,243,110	18.39	100.0
From taxes	1,507,220	12.70	77.9	1,611,961	13.35	78.3	1,780,339	14.59	79.4
General property	381,171	3.21	19.7	350,233	2.90	17.0	345,187	2.83	15.4
Special property	105,636	.89	5.5	108,851	.90	5.3	96,451	.79	4.3
Inheritance	127,538	1.08	6.6	148,592	1.23	7.2	180,794	1.48	8.1
Income	55,847	.47	2.9	74,596	.62	3.6	76,530	.63	3.4
Other special taxes	49,903	.42	2.6	69,176	.57	3.4	70,093	.57	3.1
Poll taxes	3,854	.03	.2	3,542	.03	.2	4,058	.03	.2
Motor fuel	241,918	2.04	12.5	282,579	2.34	13.7	399,523	3.27	17.8
Motor vehicle licenses	264,878	2.23	13.7	287,070	2.38	13.9	296,424	2.43	13.2
All other licenses	276,474	2.33	14.3	287,323	2.38	14.0	311,279	2.56	13.9
Special assessments	34,341	.29	1.8	30,543	.25	1.5	26,427	.22	1.2
Fines, forfeits, and escheats	8,584	.07	.4	7,909	.07	.4	7,918	.06	.4
Subventions, donations, and pension assessments	141,928	1.20	7.3	151,546	1.26	7.4	150,155	1.23	6.7
Interest, rents, and highway privileges	85,198	.72	4.4	90,489	.75	4.4	102,216	.84	4.6
Earnings of general departments	143,920	1.21	7.4	149,873	1.24	7.3	157,698	1.29	7.0
Earnings of public-service enterprises	14,241	.12	.7	17,006	.14	.8	18,357	.15	.8
Governmental-cost payments, total	1,889,173	15.92	100.0	2,061,016	17.08	100.0	2,290,270	18.78	100.0
Operation and maintenance	1,217,721	10.26	64.5	1,307,873	10.84	63.5	1,400,065	11.48	61.1
General departments	1,208,286	10.18	64.0	1,297,699	10.75	63.0	1,390,505	11.40	60.7
General government	97,654	.82	5.2	114,366	.95	5.5	110,300	.90	4.8
Protection to person and property	70,138	.60	3.7	71,856	.59	3.5	79,538	.65	3.5
Development and conservation of natural resources	66,112	.55	3.5	69,559	.58	3.4	74,356	.61	3.2
Health and sanitation	29,475	.24	1.6	31,618	.26	1.5	33,588	.28	1.4
Highways	204,482	1.72	10.8	219,265	1.82	10.6	251,311	2.06	11.0
Charities, hospitals, and corrections	201,831	1.70	10.7	215,627	1.79	10.5	223,679	1.83	9.8
Education	482,850	4.07	25.6	518,233	4.29	25.1	557,967	4.57	24.4
Recreation	4,003	.03	.2	4,613	.04	.2	5,546	.05	.2
Miscellaneous	51,741	.44	2.7	52,562	.44	2.6	54,220	.45	2.4
Public-service enterprises	9,435	.08	.5	10,174	.08	.5	9,560	.08	.4
Interest	86,929	.73	4.6	94,137	.78	4.6	101,431	.83	4.4
Outlays	584,523	4.92	30.9	659,006	5.46	32.0	788,774	6.47	34.4
Highway construction	458,092	3.86	24.2	532,732	4.41	25.8	635,088	5.21	27.7
All other	126,431	1.07	6.7	126,274	1.05	6.1	153,686	1.26	6.7

No. 200.—STATE REVENUES AND EXPENDITURES PER CAPITA

Year	Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest		
	Total	From taxes	From all other revenue	Total	For operation and maintenance	For interest
1915	$4.66	$3.71	$0.94	$4.06	$3.87	$0.19
1919	6.43	5.02	1.40	5.42	5.18	.23
1922	10.71	7.93	2.79	8.89	8.50	.38
1924	12.31	9.14	3.16	9.60	9.10	.50
1926	14.29	10.91	3.37	9.72	9.06	.66
1927	14.99	11.55	3.44	10.30	9.63	.67
1928	16.31	12.70	3.61	10.99	10.26	.73
1929	17.06	13.35	3.71	11.62	10.84	.78
1930	18.39	14.59	3.79	12.31	11.48	.83

Source: Bureau of the Census, Department of Commerce.

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No. 201.—DEBT OF STATE GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS

NOTE.—For details of public debt in 1930 see Table 202

Division and State	Total (thousands of dollars)					Per capita (dollars)				
	1902	1912	1922	1929	1930	1902	1912	1922	1929	1930
Grand total	[1] 234, 965	345, 942	935, 544	1, 856, 306	1, 994, 212	2. 99	3. 57	8. 64	15. 38	16. 35
New England	74, 961	95, 570	110, 458	117, 387	117, 489	13. 06	13. 82	14. 53	14. 51	14. 39
Maine	2, 785	1, 255	12, 906	21, 681	21, 951	3. 97	1. 67	16. 69	27. 31	27. 54
New Hampshire	1, 551	1, 956	3, 018	3, 952	5, 176	3. 71	4. 50	6. 77	8. 54	11. 13
Vermont	363	570	2, 112	9, 168	9, 658	1. 05	1. 58	5. 99	25. 56	26. 90
Massachusetts	65, 964	79, 551	76, 996	62, 228	62, 097	22. 87	22. 78	19. 38	14. 76	14. 59
Rhode Island	2, 620	5, 127	9, 338	18, 332	17, 286	5. 83	9. 02	15. 05	26. 93	25. 24
Connecticut	1, 678	7, 111	6, 088	2, 026	1, 321	1. 78	6. 12	4. 24	1. 28	. 83
Middle Atlantic	8, 576	86, 847	252, 865	405, 722	426, 674	. 53	4. 22	11. 04	15. 75	16. 31
New York	8, 187	86, 205	186, 542	255, 986	276, 865	1. 08	9. 05	17. 52	20. 78	22. 09
New Jersey	[2]	642	16, 355	64, 041	67, 934	------	. 24	4. 98	16. 28	16. 90
Pennsylvania	389	[2]	49, 968	85, 695	81, 875	. 06	------	5. 56	9. 01	8. 53
East North Central	18, 598	18, 105	99, 448	285, 512	289, 227	1. 13	. 95	4. 49	11. 47	11. 45
Ohio	4, 685	5, 142	30, 143	13, 167	11, 183	1. 10	1. 05	5. 05	2. 00	1. 68
Indiana	2, 914	1, 350	2, 325	3, 694	2, 870	1. 13	. 49	. 78	1. 15	. 89
Illinois	2, 155	2, 273	13, 880	193, 697	205, 023	. 43	. 39	2. 08	25. 72	26. 97
Michigan	6, 566	7, 089	50, 934	74, 490	68, 787	2. 65	2. 41	13. 25	15. 85	14. 29
Wisconsin	2, 278	2, 251	2, 164	1, 464	1, 364	1. 07	. 93	. 80	. 50	. 47
West North Central	10, 233	8, 180	74, 681	141, 236	153, 784	. 97	. 68	5. 86	10. 69	11. 57
Minnesota	1, 755	1, 345	20, 308	7, 576	6, 198	. 95	. 63	8. 28	2. 98	2. 42
Iowa	50	357	1, 457	17, 619	15, 549	. 02	. 16	. 60	7. 15	6. 30
Missouri	4, 366	4, 671	30, 456	73, 412	91, 056	1. 37	1. 40	8. 87	20. 32	25. 05
North Dakota	068	820	5, 913	4, 201	3, 964	2. 64	1. 29	8. 97	6. 21	5. 83
South Dakota	457	370	15, 431	13, 108	11, 877	1. 08	. 58	23. 84	19. 11	17. 16
Nebraska	2, 005	374	1, 038	843	1, 179	1. 88	. 31	. 78	. 62	. 86
Kansas	632	243	78	24, 477	23, 961	. 43	. 14	. 04	13. 11	12. 76
South Atlantic	51, 645	51, 942	123, 630	371, 838	400, 097	4. 86	4. 07	8. 85	24. 62	26. 20
Delaware	762	763	5, 834	6, 484	4, 977	4. 05	3. 70	25. 55	27. 42	20. 91
Maryland	4, 943	7, 334	22, 129	27, 496	31, 277	4. 06	5. 56	14. 90	17. 04	19. 16
Virginia [3]	23, 546	22, 043	21, 756	27, 946	27, 778	12. 76	10. 46	9. 19	11. 60	11. 48
West Virginia [3]	------	------	24, 181	64, 541	73, 102	------	------	15. 97	38. 04	42. 43
North Carolina	6, 755	8, 059	34, 713	175, 061	176, 111	3. 47	3. 54	13. 11	56. 55	55. 82
South Carolina	6, 730	6, 190	8, 729	47, 618	63, 562	4. 88	3. 98	5. 05	27. 46	36. 53
Georgia	7, 876	6, 934	5, 419	10, 341	10, 479	3. 44	2. 57	1. 82	3. 56	3. 60
Florida	1, 033	619	869	12, 351	12, 811	1. 84	. 77	. 85	8. 78	8. 80
East South Central	35, 880	33, 846	56, 984	166, 842	203, 497	4. 62	3. 89	6. 33	16. 46	20. 61
Kentucky	2, 291	4, 441	7, 745	12, 422	10, 641	1. 04	1. 90	3. 17	4. 21	4. 08
Tennessee	17, 985	11, 812	19, 142	57, 581	85, 847	8. 68	5. 32	8. 08	22. 30	32. 89
Alabama	12, 727	13, 132	15, 233	69, 712	74, 991	6. 73	5. 95	6. 36	26. 64	28. 34
Mississippi	2, 877	4, 461	14, 864	27, 127	32, 018	1. 79	2. 41	8. 30	13. 64	15. 93
West South Central	19, 287	26, 369	28, 493	142, 311	176, 579	2. 80	2. 77	2. 70	11. 88	14. 52
Arkansas	1, 191	1, 236	2, 722	100, 630	122, 613	. 88	. 76	1. 52	54. 63	66. 21
Louisiana	13, 593	13, 546	14, 829	29, 572	40, 217	9. 48	7. 89	8. 08	14. 22	19. 07
Oklahoma	510	6, 931	4, 797	4, 477	6, 612	1. 10	3. 74	2. 28	1. 90	2. 77
Texas	3, 993	4, 656	6, 145	7, 632	7, 137	1. 24	1. 14	1. 27	1. 34	1. 23
Mountain	11, 322	13, 273	50, 548	44, 641	48, 284	6. 41	4. 51	14. 43	12. 20	13. 07
Montana	1, 204	1, 513	7, 579	7, 457	7, 968	4. 57	3. 73	12. 80	13. 84	14. 81
Idaho	324	2, 143	7, 673	6, 353	7, 146	1. 84	5. 92	16. 81	14. 32	16. 06
Wyoming	301	122	4, 011	2, 342	2, 679	3. 12	. 77	19. 50	10. 53	11. 85
Colorado	3, 797	3, 174	12, 019	10, 622	9, 344	6. 72	3. 70	12. 33	10. 37	9. 05
New Mexico	999	1, 218	4, 954	7, 435	11, 268	4. 94	3. 41	13. 44	17. 89	26. 70
Arizona	3, 099	3, 065	2, 740	2, 804	2, 412	23. 86	13. 28	7. 59	6. 62	5. 57
Utah	974	1, 430	9, 819	6, 075	6, 006	3. 36	3. 62	20. 97	12. 13	11. 87
Nevada	624	608	1, 751	1, 553	1, 461	14. 70	6. 70	22. 62	17. 24	16. 05
Pacific	4, 463	11, 310	138, 441	180, 817	178, 581	1. 77	2. 48	23. 63	22. 97	21. 97
Washington	1, 272	1, 556	13, 191	13, 900	12, 500	2. 31	1. 21	9. 38	9. 07	8. 05
Oregon	236	31	39, 983	32, 144	31, 912	. 54	. 04	49. 42	34. 30	33. 45
California	2, 955	10, 223	85, 267	134, 773	134, 169	1. 92	3. 83	23. 41	24. 95	23. 86

[1] Revised figure $239,369,000, not distributed by States.
[2] Sinking-fund assets exceed total debt.
[3] Virginia-West Virginia debt settlement not made until 1919.

Source: Bureau of the Census, Department of Commerce.

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No. 202.—DEBT OF STATE GOVERNMENTS: BY CLASSES, 1930

[All figures, except per capita, in thousands of dollars]

Division and State	Gross debt at close of year								Sinking fund assets
	Total		Funded or fixed	Floating		Special assessment bonds and certificates	Current		
	Amount	Per capita		Debt to public trust funds	All other		Revenue bonds and notes	Warrants	
Grand total	2,444,122	$20.03	2,094,495	37,885	106,226	111,901	55,323	38,292	449,910
New England	194,454	23.82	103,342	2,263	80	88,467	201	101	76,985
Maine	22,053	27.67	20,723	1,189			120	21	102
New Hampshire	5,176	11.13	4,022	1,074			80		
Vermont	9,658	26.90	9,578		80				
Massachusetts	119,292	28.03	39,824			88,467	1		57,195
Rhode Island	21,904	31.98	21,904						4,618
Connecticut	16,371	10.23	16,291					80	15,050
Middle Atlantic	573,893	21.94	569,888	822	2,811		327	44	147,218
New York	385,697	30.77	382,179	689	2,791		25	13	103,332
New Jersey	98,249	24.44	98,100	116			2	31	30,315
Pennsylvania	89,946	9.37	89,609	17	20		300		8,071
East North Central	317,077	12.55	298,798	14,535			209	9,535	27,350
Ohio	12,190	1.83	5,001	5,538				1,651	1,007
Indiana	3,036	.94	2,654				209	173	166
Illinois	205,584	27.04	200,529	1,814				3,241	561
Michigan	94,903	19.71	83,250	7,183				4,470	26,116
Wisconsin	1,364	.47	1,364						
West North Central	291,423	21.93	276,999	4,399	1,440		1,690	6,895	137,639
Minnesota	60,328	23.57	58,035				200	2,093	54,130
Iowa	17,161	6.95	14,849		952		301	1,059	1,612
Missouri	92,669	25.49	87,914	4,399			21	335	1,613
North Dakota	37,884	55.71	36,358				1,148	378	33,920
South Dakota	56,914	82.25	55,106		488			1,320	45,037
Nebraska	1,179	.86	237				20	922	
Kansas	25,288	13.47	24,500					788	1,327
South Atlantic	415,768	27.22	323,748	359	54,462	11,745	21,497	3,457	15,671
Delaware	5,096	21.41	5,096						119
Maryland	33,154	20.31	33,154						1,877
Virginia	29,886	12.35	28,304	175	69		467	871	2,108
West Virginia	75,127	43.60	74,562				565		2,025
North Carolina	185,107	58.67	173,113	164	5		10,264	1,561	8,996
South Carolina	63,943	36.76	4,922	250	51,688		7,000	83	381
Georgia	10,583	3.64	4,597	90	2,700		3,196		104
Florida	12,872	8.84		180		11,745	5	942	61
East South Central	204,121	20.67	198,797	12,200	47,200		14,769	3,155	624
Kentucky	11,132	4.27	16	2,481			8,617	18	491
Tennessee	85,847	32.89	34,677	2,527	47,200		3	1,440	
Alabama	74,992	28.34	62,872	4,813			5,633	1,674	1
Mississippi	32,150	16.00	29,232	2,379			516	23	132
West South Central	176,926	14.55	162,442	1,981	30		7,238	5,235	347
Arkansas	122,638	66.22	120,469				244	1,925	25
Louisiana	40,399	19.16	35,557	1,981			2,861		182
Oklahoma	6,727	2.82	2,049				3,990	688	115
Texas	7,162	1.23	4,367		30		143	2,622	25
Mountain	58,922	15.95	42,532			3,043	9,311	4,036	10,638
Montana	10,579	19.66	5,605				4,104	870	2,611
Idaho	8,177	18.38	4,910				2,832	435	1,031
Wyoming	2,882	12.75	1,790				903	189	203
Colorado	10,251	9.92	9,018				990	243	907
New Mexico	11,995	28.42	9,592			1,360	18	1,025	727
Arizona	2,468	5.70	352			1,683		433	56
Utah	11,028	21.79	10,285				464	279	5,022
Nevada	1,542	16.95	980					562	81
Pacific	211,539	26.02	195,949	826	203	8,646	81	5,834	32,958
Washington	14,387	9.26	13,400		1			986	1,887
Oregon	61,970	64.96	59,997				4	1,969	30,058
California	135,182	24.05	122,552	826	202	8,646	77	2,879	1,013

Source: Bureau of the Census, Department of Commerce.

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No. 203.—FUNDED, FLOATING, AND SPECIAL ASSESSMENT DEBT AT CLOSE OF YEAR: BY PURPOSE FOR WHICH INCURRED, 1930

NOTE.—**All figures in thousands of dollars.** The classification by purpose for many States is more or less imperfect owing to defective records of these States. The column "Other general purposes" includes, besides special assessment indebtedness and debts which from their nature were not assignable to any of the specific classes shown, debt for which the purpose of issue could not be determined

Division and State	Total	General government properties	Agricultural purposes	Highways		Charities, hospitals, and corrections [1]	Schools	Soldiers' and sailors' aid and homes	Other general purposes	For public service enterprises and investments
				Roadways	All other					
Grand total	**2,350,507**	**31,825**	**3,948**	**1,087,158**	**230,244**	**24,804**	**57,065**	**234,715**	**421,751**	**258,997**
New England	194,152	6,294	-------	18,534	9,678	7,583	2,154	3,974	128,592	17,343
Maine	21,912	-------	-------	12,872	2,265	50	219	602	1,754	4,150
New Hampshire	5,096	-------	-------	1,770	-------	301	94	-------	2,931	-------
Vermont	9,658	50	-------	-------	-------	-------	581	872	8,075	80
Massachusetts	119,291	666	-------	2,217	2,802	6,933	-------	-------	94,403	12,270
Rhode Island	21,904	5,578	-------	1,675	4,611	299	1,260	2,500	5,138	843
Connecticut	16,291	-------	-------	-------	-------	-------	-------	-------	16,291	-------
Middle Atlantic	573,521	9,926	-------	245,671	151,576	9,388	4,357	46,300	67,703	38,600
New York	385,659	9,926	-------	106,450	151,576	9,388	4,090	34,300	67,329	2,600
New Jersey	98,216	-------	-------	50,000	-------	-------	-------	12,000	216	36,000
Pennsylvania	89,646	-------	-------	89,221	-------	-------	267	-------	158	-------
East North Central	307,333	-------	1,775	198,010	7,362	404	1,524	80,090	18,156	12
Ohio	10,539	-------	-------	-------	-------	-------	-------	5,000	5,539	-------
Indiana	2,654	-------	775	-------	-------	404	1,475	-------	-------	-------
Illinois	202,343	-------	-------	148,010	7,362	-------	49	45,090	1,820	12
Michigan	90,433	-------	1,000	50,000	-------	-------	-------	30,000	9,433	-------
Wisconsin	1,364	-------	-------	-------	-------	-------	-------	-------	1,364	-------
West North Central	282,838	25	-------	77,500	488	-------	2,362	58,013	7,486	136,964
Minnesota	58,035	25	-------	-------	-------	-------	1,612	-------	1,898	54,500
Iowa	15,801	-------	-------	-------	-------	-------	665	14,184	952	-------
Missouri	92,313	-------	-------	74,500	-------	-------	85	13,329	4,399	-------
North Dakota	36,358	-------	-------	-------	-------	-------	-------	-------	-------	36,358
South Dakota	55,594	-------	-------	3,000	488	-------	-------	6,000	-------	46,106
Nebraska	237	-------	-------	-------	-------	-------	-------	-------	237	-------
Kansas	24,500	-------	-------	-------	-------	-------	-------	24,500	-------	-------
South Atlantic	390,814	711	-------	259,646	-------	667	21,229	-------	103,711	4,850
Delaware	5,096	-------	-------	4,245	-------	50	571	-------	230	-------
Maryland	33,154	-------	-------	19,268	-------	57	671	-------	13,158	-------
Virginia	28,548	-------	-------	7,428	-------	-------	3,195	-------	17,925	-------
West Virginia	74,562	-------	-------	69,078	-------	-------	-------	-------	5,484	-------
North Carolina	173,282	250	-------	108,400	-------	560	16,785	-------	46,737	550
South Carolina	56,860	461	-------	51,227	-------	-------	-------	-------	5,172	-------
Georgia	7,387	-------	-------	-------	-------	-------	7	-------	3,080	4,300
Florida	11,925	-------	-------	-------	-------	-------	-------	-------	11,925	-------
East South Central	188,197	1,370	-------	43,954	61,050	2,617	6,703	-------	60,503	10,000
Kentucky	2,497	-------	-------	-------	-------	-------	10	-------	2,487	-------
Tennessee	84,404	1,370	-------	-------	61,050	617	4,732	-------	16,635	-------
Alabama	67,685	-------	-------	43,954	-------	-------	361	-------	13,370	10,000
Mississippi	31,611	-------	-------	-------	-------	2,000	1,600	-------	28,011	-------
West South Central	164,453	-------	-------	126,656	-------	2,163	2,500	9,688	18,346	5,100
Arkansas	120,469	-------	-------	104,016	-------	1,191	1,545	7,599	1,118	5,000
Louisiana	37,538	-------	-------	22,640	-------	942	-------	2,089	11,867	-------
Oklahoma	2,049	-------	-------	-------	-------	-------	690	-------	1,359	-------
Texas	4,397	-------	-------	-------	-------	30	265	-------	4,002	100
Mountain	45,575	4,224	-------	27,045	90	1,982	5,338	-------	6,896	-------
Montana	5,605	590	-------	-------	-------	1,250	3,765	-------	-------	-------
Idaho	4,910	1,185	-------	2,612	-------	371	581	-------	161	-------
Wyoming	1,790	-------	-------	1,790	-------	-------	-------	-------	-------	-------
Colorado	9,018	-------	-------	6,750	-------	-------	-------	-------	2,268	-------
New Mexico	10,952	249	-------	8,333	90	-------	594	-------	1,686	-------
Arizona	2,035	-------	-------	-------	-------	-------	-------	-------	2,035	-------
Utah	10,285	2,200	-------	7,260	-------	-------	300	-------	525	-------
Nevada	980	-------	-------	300	-------	361	98	-------	221	-------
Pacific	205,624	9,275	2,173	90,142	-------	-------	10,898	36,650	10,358	46,128
Washington	13,401	4,000	-------	-------	-------	-------	-------	9,400	1	-------
Oregon	59,997	305	2,173	28,967	-------	-------	808	27,250	44	450
California	132,226	4,970	-------	61,175	-------	-------	10,090	-------	10,313	45,678

[1] Includes tuberculosis hospital.

Source: Bureau of the Census, Department of Commerce.

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No. 204.—DEBT OF STATE GOVERNMENTS: GROSS DEBT, SINKING FUND ASSETS, AND GROSS DEBT LESS SINKING FUND OF THE 48 STATES COMBINED

[All figures except per capita in thousands of dollars]

Year	Gross debt					Sinking fund assets	Gross debt less sinking fund assets	
	Total	Funded or fixed [1]	Floating				Amount	Per capita
			Debt to public trust funds	Other floating [2]	Current [1 2]			
1880	306,017	261,096	25,723	----------	19,198	31,271	274,746	$5.48
1890	258,195	204,641	33,642	----------	19,912	46,985	211,210	3.37
1902 [4]	274,149	163,819	40,808	----------	69,522	34,859	[5] 239,369	3.06
1905	278,135	228,831	38,252	----------	11,052	39,265	238,870	2.85
1910	322,949	271,607	39,486	----------	11,856	66,814	[5] 256,143	2.78
1912	422,797	290,494	38,530	----------	93,773	76,931	[5] 345,942	3.57
1915	532,713	403,156	33,508	147	95,902	88,038	444,675	4.52
1918	657,542	509,113	40,630	944	106,855	125,905	531,637	5.14
1919	693,623	547,346	40,648	612	105,017	146,677	546,946	5.20
1922	1,162,648	985,359	([6])	[6] 42,068	134,721	227,105	935,543	8.64
1923	1,288,830	1,083,564	38,552	6,980	159,734	254,882	1,033,948	9.43
1924	1,592,643	1,358,932	43,459	1,490	188,762	310,943	1,281,700	11.52
1925	1,745,651	1,508,127	46,306	1,225	189,993	346,687	1,398,964	12.42
1926	1,858,037	1,609,764	39,635	13,143	195,495	378,056	1,479,981	12.77
1927	1,995,428	1,725,729	39,378	34,903	195,418	401,697	1,593,731	13.59
1928	2,144,332	1,867,291	38,477	42,191	196,373	410,555	1,733,777	14.61
1929	2,300,057	1,971,170	37,668	46,677	244,542	443,751	1,856,306	15.38
1930	2,444,122	2,094,495	37,885	106,226	205,516	449,910	1,994,212	16.35

[1] Prior to 1925, contingent or special assessment debt was included with funded and fixed debt. In this table, it has been excluded from funded and fixed and included with current debt, except for 1880, 1890, 1905, and 1910, when no segregation could be made.
[2] Includes special assessment debt, revenue bonds and notes, and warrants.
[3] Not segregated prior to 1915; included with funded and fixed.
[4] Revised figures.
[5] There was an excess of sinking fund assets over gross debt in one State.
[6] Debt to public trust funds included with "Other floating."

No. 205.—LOCAL GOVERNMENT DEBT BY CLASSES OF CIVIL DIVISIONS: GROSS DEBT LESS SINKING FUND ASSETS, 1922

NOTE.—All figures in thousands of dollars. For combined total, see Table 206

Division and State	Counties	Incorporated places	All other civil divisions	Division and State	Counties	Incorporated places	All other civil divisions
Grand total	1,272,790	4,703,322	1,778,084	**South Atlantic—Continued.**			
New England	14,557	395,823	29,871	Virginia	22,102	75,023	234
Maine	2,546	14,967	12,038	West Virginia	24,359	10,699	10,778
New Hampshire	621	9,814	2,670	North Carolina	67,012	67,209	13,687
Vermont	136	6,295	3,451	South Carolina	21,556	26,747	7,978
Massachusetts	9,704	242,362	820	Georgia	22,810	24,370	1,439
Rhode Island	----------	39,901	----------	Florida	29,270	39,435	28,695
Connecticut	1,490	82,484	10,892	**East South Central**	89,739	150,384	73,456
Middle Atlantic	190,130	1,968,329	965,114	Kentucky	12,340	25,880	4,554
New York	45,896	1,407,238	44,154	Tennessee	43,528	65,636	4,981
New Jersey	73,854	256,238	35,725	Alabama	24,025	35,949	----------
Pennsylvania	70,390	304,846	125,235	Mississippi	9,836	22,878	63,921
East North Central	272,348	832,359	448,402	**West South Central**	142,713	243,205	290,135
Ohio	94,490	348,412	196,398	Arkansas	4,680	3,065	80,813
Indiana	77,115	30,484	42,868	Louisiana	19,943	61,205	30,969
Illinois	28,632	171,283	150,224	Oklahoma	21,850	60,800	42,530
Michigan	42,632	218,152	50,060	Texas	96,249	118,135	135,823
Wisconsin	29,479	64,028	8,852	**Mountain**	81,151	120,763	120,916
West North Central	185,524	309,751	281,587	Montana	27,340	16,178	14,132
Minnesota	81,262	103,834	64,204	Idaho	11,239	14,105	29,176
Iowa	43,228	45,167	61,762	Wyoming	2,444	8,672	4,001
Missouri	17,915	28,687	41,218	Colorado	7,784	45,186	34,209
North Dakota	5,852	12,715	15,786	New Mexico	3,114	6,149	10,793
South Dakota	6,512	12,403	16,208	Arizona	20,086	11,858	10,259
Nebraska	8,757	37,444	50,516	Utah	6,427	17,337	16,458
Kansas	21,998	69,501	31,893	Nevada	2,717	1,248	1,288
South Atlantic	201,463	353,305	64,813	**Pacific**	95,175	329,413	294,385
Delaware	5,961	10,656	----------	Washington	21,920	84,901	49,051
Maryland	7,893	88,920	2,012	Oregon	18,529	53,040	25,542
District of Columbia	----------	156	----------	California	53,726	191,469	189,792

Source of Tables 204 and 205: Bureau of the Census, Department of Commerce.

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No. 206.—DEBTS OF LOCAL GOVERNMENTS: COMBINED GROSS DEBT LESS SINKING FUND ASSETS OF ALL CIVIL DIVISIONS

NOTE.—Debts of State governments are not included in this table but are included in Table 207. For subdivision by classes of government see Table 205

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	848,533	925,990	1,630,070	3,475,954	7,754,196	16.92	14.79	20.74	35.81	71.61
New England	128,664	128,089	226,516	295,391	440,251	32.08	27.25	39.46	43.03	57.92
Maine	17,724	12,130	12,261	21,543	29,551	27.31	18.35	17.49	28.42	38.21
New Hampshire	7,163	5,457	9,862	9,345	13,105	20.64	14.49	23.56	21.40	30.47
Vermont	4,348	3,637	4,854	6,411	9,882	13.09	10.94	14.03	17.81	28.04
Massachusetts	71,125	74,283	143,799	187,578	252,946	39.89	33.18	49.85	52.86	63.66
Rhode Island	11,270	12,619	25,530	25,589	39,901	40.76	36.52	56.84	44.15	64.32
Connecticut	17,034	19,963	30,210	44,925	94,866	27.36	26.75	32.11	38.01	66.09
Middle Atlantic	353,338	314,739	637,311	1,461,733	2,363,566	33.65	24.78	39.62	71.06	103.15
New York	211,187	199,455	429,185	1,046,227	1,497,278	41.55	33.25	56.56	107.71	140.63
New Jersey	48,733	48,311	81,204	169,527	365,817	43.08	33.43	40.85	61.66	111.42
Pennsylvania	93,318	66,973	126,922	245,979	500,471	21.79	12.74	19.49	30.34	55.72
East North Central	119,748	140,270	271,361	528,510	1,553,109	10.69	10.41	16.48	27.84	70.13
Ohio	43,022	63,930	112,545	234,525	639,300	13.45	17.41	26.45	47.23	107.20
Indiana	13,357	15,904	31,914	66,053	150,467	6.75	7.25	12.36	23.93	50.43
Illinois	44,942	40,657	78,560	137,208	350,139	14.60	10.63	15.65	23.24	52.58
Michigan	8,803	11,634	28,272	52,908	310,844	5.38	5.56	11.42	18.02	80.84
Wisconsin	9,624	8,145	20,070	37,816	102,359	7.32	4.83	9.41	15.63	38.00
West North Central	77,225	138,308	168,670	274,790	776,869	12.54	15.56	15.94	22.94	60.97
Minnesota	5,911	23,812	38,929	69,018	249,300	7.57	18.29	21.12	31.64	101.70
Iowa	7,592	11,025	17,390	35,069	150,157	4.67	5.77	7.82	15.78	61.52
Missouri	40,755	39,798	46,031	56,951	87,820	18.80	14.85	14.42	16.98	25.58
North Dakota	132	3,139	4,640	12,441	34,353	3.57	17.18	12.67	18.83	51.95
South Dakota	867	5,742	6,127	12,315	35,123	8.82	17.46	14.48	19.15	54.25
Nebraska	7,050	15,283	20,410	36,371	96,717	15.58	14.43	19.13	29.50	73.14
Kansas	14,918	39,509	35,143	52,625	123,392	14.98	27.69	23.99	31.22	69.11
South Atlantic	89,012	95,235	107,564	203,253	619,586	11.72	10.75	9.99	15.94	44.38
Delaware	1,466	2,031	3,383	6,097	16,617	10.00	12.06	17.99	29.31	72.42
Maryland	30,310	33,741	25,701	52,212	98,825	32.42	32.37	21.12	39.25	66.53
District of Columbia	22,498	19,781	14,540	9,061	156	126.66	85.86	50.42	26.03	.36
Virginia	12,755	16,610	23,934	39,887	97,359	8.43	10.03	12.64	18.73	41.14
West Virginia	1,514	2,348	4,768	11,195	46,331	2.45	3.08	4.78	8.57	30.26
North Carolina	2,540	3,414	8,593	26,285	147,998	1.81	2.11	4.41	11.39	55.91
South Carolina	6,707	6,342	9,021	15,097	56,281	6.74	5.51	6.55	9.60	32.59
Georgia	9,730	9,823	13,410	25,614	58,619	6.31	5.35	5.85	9.36	19.74
Florida	1,492	1,145	4,214	17,805	97,400	5.53	2.92	7.52	21.96	95.11
East South Central	31,104	36,636	55,176	126,973	313,569	5.57	5.70	7.10	14.61	34.84
Kentucky	13,888	17,762	20,550	25,588	42,774	8.42	9.56	9.32	10.95	17.51
Tennessee	9,947	9,848	14,733	47,287	114,195	6.45	5.57	7.11	21.13	48.20
Alabama	5,637	6,518	14,366	29,930	59,965	4.46	4.31	7.59	13.37	24.83
Mississippi	1,632	2,508	5,527	24,168	96,635	1.44	1.95	3.45	12.88	53.97
West South Central	29,410	35,339	63,715	211,066	676,053	8.82	7.78	9.35	22.18	64.00
Arkansas	3,944	2,157	3,034	12,577	88,558	4.91	1.91	2.25	7.58	49.51
Louisiana	19,428	17,327	24,184	61,461	112,117	20.67	15.49	16.86	35.21	61.10
Oklahoma	----------	----------	[1] 4,040	53,790	125,180	----------	----------	4.50	27.74	59.48
Texas	6,038	15,855	32,457	83,238	350,198	3.79	7.09	10.11	19.95	72.44
Mountain	6,106	19,008	45,463	99,497	322,230	9.35	16.43	25.75	33.78	91.96
Montana	695	2,751	7,717	16,633	57,650	17.75	20.82	29.30	39.68	97.40
Idaho	147	1,376	3,560	11,987	54,520	4.51	16.30	20.18	31.64	119.43
Wyoming	189	1,327	2,266	4,202	15,117	9.07	21.87	23.54	25.73	73.52
Colorado	3,481	7,811	18,289	36,473	87,179	17.92	18.95	32.34	41.29	89.91
New Mexico	85	1,962	3,581	6,444	20,056	.71	12.77	17.70	17.41	54.42
Arizona	378	2,181	3,492	7,324	42,233	9.33	36.58	26.89	31.73	117.02
Utah	107	767	5,638	13,859	40,222	.74	3.69	19.45	34.24	85.89
Nevada	1,024	828	940	2,575	5,253	16.45	18.09	22.21	27.19	67.87
Pacific	14,028	18,371	54,294	274,741	688,970	12.58	9.82	21.53	57.61	117.60
Washington	240	2,846	28,285	94,415	155,872	3.19	8.14	51.40	70.21	110.83
Oregon	337	2,478	11,066	43,797	98,111	1.93	7.90	25.57	57.86	121.27
California	13,449	13,047	14,943	136,529	434,987	15.55	10.80	9.71	51.18	119.40

[1] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

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No. 207.—DEBTS OF STATE AND LOCAL GOVERNMENTS: GROSS DEBT LESS SINKING FUND ASSETS OF STATES, COUNTIES, CITIES, TOWNS, VILLAGES, TOWNSHIPS, SCHOOL DISTRICTS, AND ALL OTHER CIVIL DIVISIONS COMBINED

Division and State	Amount (thousands of dollars)					Per capita (dollars)				
	1880	1890	1902	1912	1922	1880	1890	1902	1912	1922
Grand total	1,123,979	1,137,200	1,864,978	3,821,897	8,639,740	22.40	18.16	23.73	39.37	79.92
New England	165,410	148,524	301,478	390,960	550,709	41.24	31.60	52.52	56.95	72.46
Maine	23,236	15,772	15,047	22,798	42,457	35.81	23.86	21.46	30.08	54.90
New Hampshire	10,793	8,148	11,413	11,300	16,123	31.10	21.64	27.27	25.87	36.16
Vermont	4,499	3,785	5,217	6,981	11,994	13.54	11.39	15.08	19.39	34.03
Massachusetts	91,910	84,095	209,763	267,129	329,942	51.55	37.56	72.72	75.28	83.04
Rhode Island	12,971	12,999	28,150	30,716	49,239	46.91	37.62	62.67	52.99	79.38
Connecticut	22,002	23,725	31,888	52,036	100,954	35.33	31.79	33.89	44.03	70.33
Middle Atlantic	375,430	321,693	645,830	1,548,580	2,616,431	35.77	25.33	40.15	75.28	114.19
New York	218,846	201,256	437,372	1,132,432	1,683,820	43.06	33.55	57.64	116.59	158.15
New Jersey	49,383	49,258	81,147	170,169	382,172	43.66	34.09	40.82	61.89	116.40
Pennsylvania	107,202	71,180	127,311	245,979	550,439	25.03	13.54	19.55	30.34	61.28
East North Central	141,928	165,229	289,960	546,615	1,652,555	12.66	12.96	17.61	28.79	74.62
Ohio	53,044	70,927	117,230	239,667	669,443	16.59	19.32	27.55	48.27	112.25
Indiana	18,353	24,472	34,828	67,404	152,792	9.28	11.16	13.49	24.41	51.21
Illinois	46,389	42,468	80,715	139,480	364,019	15.07	11.10	16.08	23.62	54.66
Michigan	12,056	16,942	34,839	59,997	361,778	7.36	8.09	14.07	20.43	94.09
Wisconsin	12,086	10,421	22,348	40,067	104,523	9.19	6.18	10.48	16.56	38.81
West North Central	104,131	155,700	178,902	282,971	851,543	16.91	17.52	16.91	23.62	66.33
Minnesota	11,328	26,238	40,684	70,364	269,608	14.51	20.15	22.07	32.26	109.99
Iowa	8,138	11,271	17,440	35,426	151,614	5.01	5.90	7.84	15.94	62.11
Missouri	60,264	51,558	50,397	61,622	118,276	27.79	19.24	15.79	18.37	34.46
North Dakota	132	3,855	5,608	13,261	40,266	3.57	21.10	15.31	20.07	60.39
South Dakota	867	6,614	6,584	12,685	50,554	8.82	20.11	15.56	19.72	78.09
Nebraska	7,490	15,537	22,415	36,745	97,755	16.56	14.67	21.01	29.80	73.93
Kansas	15,912	40,629	35,774	52,868	123,470	15.97	28.47	24.42	31.36	69.16
South Atlantic	167,920	165,454	159,908	255,195	743,216	22.10	18.68	14.79	20.02	51.61
Delaware	2,371	2,919	4,145	6,860	22,451	16.17	17.32	22.04	32.98	98.32
Maryland	41,429	41,292	30,643	59,546	120,954	44.31	39.61	25.18	44.76	81.43
District of Columbia	22,498	19,781	14,540	9,061	156	126.66	85.86	50.42	26.03	.36
Virginia	45,519	51,597	47,481	61,930	119,115	30.09	31.16	25.07	29.09	50.33
West Virginia	1,641	2,532	[1] 4,768	[1] 11,195	70,512	2.65	3.32	[1] 4.78	[1] 8.57	46.58
North Carolina	17,963	11,124	15,348	34,344	182,711	12.83	6.87	7.88	14.88	69.03
South Carolina	14,185	13,660	15,751	21,287	65,010	14.25	11.87	11.43	13.54	37.64
Georgia	19,648	20,272	21,286	32,548	64,038	12.74	11.03	9.29	11.89	21.56
Florida	2,666	2,277	5,247	18,424	98,269	9.89	5.81	9.36	22.72	95.96
East South Central	78,696	74,126	91,055	160,320	370,558	14.09	11.53	11.54	18.51	41.17
Kentucky	14,982	19,433	22,842	30,031	50,519	9.09	10.46	10.36	12.85	20.68
Tennessee	40,750	29,544	32,717	59,098	133,337	26.42	16.71	15.79	26.41	56.27
Alabama	18,008	18,956	27,092	43,063	75,198	14.26	12.53	14.32	19.24	31.37
Mississippi	4,956	6,193	8,404	28,628	111,499	4.38	4.81	5.24	15.25	62.27
West South Central	65,287	61,028	83,002	237,435	704,546	19.58	13.43	12.05	24.95	66.70
Arkansas	10,733	7,600	4,226	13,813	91,280	13.37	6.73	3.13	8.32	51.03
Louisiana	42,865	33,335	37,777	75,007	126,946	45.60	29.80	26.34	42.97	69.18
Oklahoma	----------	----------	[2] 4,549	60,721	129,977	----------	----------	[2] 5.07	31.32	61.75
Texas	11,688	20,093	36,450	87,894	356,343	7.34	8.99	11.35	21.07	73.71
Mountain	8,807	23,978	58,786	112,770	372,776	10.42	20.74	32.16	38.29	106.39
Montana	765	2,926	8,921	18,146	65,229	19.54	22.15	33.87	43.29	110.20
Idaho	230	1,594	3,884	14,131	62,193	7.05	18.89	22.02	37.30	136.24
Wyoming	205	1,647	2,566	4,324	19,128	9.88	27.14	26.66	26.48	93.02
Colorado	3,628	9,458	22,067	39,647	99,198	18.67	22.95	39.06	44.89	101.78
New Mexico	85	2,832	4,580	7,662	25,010	.71	18.44	22.64	20.70	67.86
Arizona	378	2,938	6,592	10,389	44,973	9.33	49.28	50.75	45.01	124.61
Utah	116	1,218	6,613	15,288	50,041	.81	5.85	22.81	37.77	106.85
Nevada	1,400	1,365	1,564	3,183	7,004	22.48	29.83	27.97	33.60	90.49
Pacific	17,670	21,468	58,757	286,551	827,411	15.85	11.48	23.30	60.08	141.23
Washington	239	3,419	29,557	95,971	169,063	3.19	9.78	53.71	71.37	120.21
Oregon	849	2,480	11,302	43,828	138,094	4.86	7.90	26.11	57.90	170.69
California	16,582	15,569	17,898	146,752	520,254	19.18	12.89	11.60	55.01	142.81

[1] No State indebtedness reported; the Virginia-West Virginia debt settlement was not made until 1919.
[2] Includes $853,000 indebtedness of local governments in Indian Territory reported separately in 1902.

Source: Bureau of the Census, Department of Commerce.

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No. 208.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS: BY SIZE GROUPS

NOTE.—See headnote, Table 199

[All figures in thousands of dollars]

	All cities over 30,000 [1]			1930—Cities of—				
	1922	1929	1930	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts, total	3,007,009	3,075,234	3,418,503	1,819,255	371,913	628,094	347,137	252,104
From taxes, total	1,441,108	2,109,828	2,378,696	1,274,542	254,707	435,799	240,597	173,051
General property	1,337,784	1,925,774	2,180,081	1,159,925	235,732	404,167	221,897	158,360
Special property	13,372	14,099	15,723	5,352	572	6,077	1,975	1,747
Other special taxes	27,718	64,619	66,864	44,040	1,774	9,103	6,439	5,508
Business and nonbusiness license	58,078	100,004	110,374	64,480	16,425	14,548	8,617	6,304
Poll	4,156	5,332	5,654	745	204	1,904	1,669	1,132
Special assessments, and special charges for outlays [2]	103,135	228,438	236,594	122,273	25,513	45,242	23,941	19,625
Fines, forfeits, and escheats	13,035	20,001	20,062	10,047	1,991	4,111	1,954	1,959
Subventions and grants	99,085	143,073	163,519	71,950	22,199	32,086	22,124	15,160
Donations, gifts, and pension assessments	20,020	33,154	36,120	23,478	4,273	3,977	2,772	1,620
Highway privileges, rents of investment property, and interest	94,151	148,725	157,502	112,934	14,334	18,199	6,987	5,048
Earnings of general departments	51,970	79,407	87,002	41,433	12,189	17,200	9,322	6,858
Earnings of public-service enterprises	184,505	312,608	339,008	162,598	36,707	71,480	39,440	28,783
Governmental-cost payments, total	2,232,567	3,435,290	3,810,682	2,045,944	419,633	696,328	377,959	270,818
Operation, maintenance, and interest, total	1,604,631	2,468,225	2,695,462	1,436,337	293,615	489,928	278,188	197,394
Operation and maintenance (except interest), total	1,390,764	2,102,534	2,290,309	1,207,236	254,560	416,683	241,380	170,450
General departments, total	1,284,189	1,935,877	2,112,199	1,122,575	232,896	382,104	219,826	154,798
General government	113,947	162,662	181,308	114,568	21,988	21,818	12,925	10,009
Protection to person and property	257,877	377,715	414,566	223,170	44,228	77,787	41,510	27,871
Health and sanitation	126,045	192,505	203,947	116,928	21,862	34,123	19,480	11,554
Highways	111,356	168,475	177,347	91,532	20,865	32,121	17,954	14,875
Charities, hospitals, and corrections	80,526	123,251	148,446	94,085	21,967	17,507	8,664	6,223
Education—								
Schools	484,345	716,515	773,432	356,607	79,301	164,065	101,837	71,622
Libraries	16,008	26,123	28,972	13,685	3,434	6,365	3,206	2,282
Recreation	42,283	69,044	76,137	41,673	8,556	14,023	7,049	4,836
Miscellaneous	51,802	99,587	108,044	70,327	10,695	14,295	7,201	5,526
Public-service enterprises	106,575	166,657	178,110	84,661	21,664	34,579	21,554	15,652
Interest	213,867	365,691	405,153	229,101	39,055	73,245	36,808	26,944
Excess of revenue receipts over payments for operation, maintenance, and interest	402,378	607,009	723,041	382,918	78,298	138,166	68,949	54,710
Outlays for permanent improvements	617,936	967,065	1,115,220	609,607	126,018	206,400	99,771	73,424
Excess of total governmental-cost payments over revenue receipts	215,558	360,056	392,179	226,689	47,720	68,234	30,822	18,714

[1] There were 261 cities of this class in 1922, 250 in 1929, and 310 in 1930.
[2] Includes special assessments for expenses.

Source: Bureau of the Census, Department of Commerce.

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No. 209.—PER CAPITA REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS OF CITIES OF 30,000 OR MORE INHABITANTS

	All cities of over 30,000			1930—Cities of—				
	1922	1929	1930	Over 500,000	300,000–500,000	100,000–300,000	50,000–100,000	30,000–50,000
Revenue receipts	$51.81	$69.39	$72.07	$87.26	$79.25	$57.56	$55.14	$53.85
From taxes	37.21	47.61	50.15	61.13	54.27	39.93	38.23	36.97
General property	34.54	43.45	45.96	55.63	50.23	37.04	35.25	33.83
Special property	1.06	.32	.33	.26	.12	.56	.31	.37
Other special taxes		1.46	1.41	2.11	.38	.83	1.08	1.18
Business and nonbusiness licenses	1.50	2.26	2.33	3.09	3.50	1.33	1.37	1.35
Poll	.11	.12	.12	.04	.04	.17	.27	.24
Special assessments and special charges for outlay	2.66	5.15	4.99	5.86	5.44	4.15	3.80	4.19
Fines, forfeits, and escheats	.34	.45	.42	.48	.42	.38	.31	.42
Subventions and grants, donations, gifts, and pension assessments	3.07	3.98	4.21	4.58	5.64	3.30	3.95	3.58
Highway privileges, rents of investment property and interest	2.43	3.36	3.32	5.42	3.05	1.67	1.11	1.08
Earnings of general departments	1.34	1.70	1.83	1.99	2.60	1.58	1.48	1.46
Earnings of public-service enterprises	4.76	7.05	7.15	7.80	7.82	6.55	6.26	6.15
Governmental-cost payment for operation, maintenance, and interest	41.42	55.69	56.83	68.89	62.56	44.90	44.19	42.16
Operation and maintenance	35.90	47.44	48.29	57.90	54.25	38.19	38.34	36.41
General departments	33.15	43.68	44.53	53.84	49.63	35.02	34.92	33.07
General government	2.94	3.67	3.82	5.50	4.69	2.00	2.05	2.14
Protection to person and property	6.66	8.52	8.74	10.71	9.43	7.12	6.60	5.95
Health and sanitation	3.25	4.34	4.30	6.61	4.66	3.12	3.09	2.47
Highways	2.87	3.80	3.74	4.39	4.45	2.94	2.85	3.17
Charities, hospitals, and corrections	2.08	2.78	3.13	4.51	4.68	1.60	1.38	1.33
Education—								
Schools	12.50	16.17	16.31	17.19	16.90	15.04	16.18	15.30
Libraries	.41	.59	.61	.66	.73	.58	.51	.49
Recreation	1.09	1.56	1.61	2.00	1.82	1.29	1.12	1.03
Miscellaneous	1.34	2.25	2.28	3.37	2.28	1.31	1.14	1.18
Public-service enterprises	2.75	3.76	3.76	4.06	4.62	3.17	3.42	3.34
Interest	5.52	8.25	8.54	10.99	8.32	6.71	5.85	5.76
Excess of revenue receipts over payments for operation, maintenance, and interest	10.39	13.70	15.24	18.37	16.68	12.66	10.95	11.69

No. 210.—COMPARATIVE SUMMARY OF PER CAPITA NET REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND DEBT OF 146 CITIES

NOTE.—See headnote, Table 199. Table includes all cities of 30,000 or more inhabitants in 1903

Year	Per capita revenue receipts [1]			Per capita governmental-cost payments for operation, maintenance, and interest [1]					Per capita net debt
	Total	Other than of public-service enterprises	Of public-service enterprises	Total	Operation and maintenance			Interest	
					Total	Of general departments	Of public-service enterprises		
1903	$21.14	$18.71	$2.42	$16.41	$14.35	$13.25	$1.10	$2.06	$44.71
1909	26.42	23.53	2.89	20.14	17.28	16.06	1.22	2.86	61.21
1915	30.00	26.97	3.03	23.92	20.34	18.95	1.39	3.58	77.86
1919	35.26	31.65	3.61	28.07	24.18	22.28	1.90	3.89	81.18
1922	53.57	48.74	4.83	42.93	37.14	34.37	2.77	5.79	97.57
1924	58.41	52.42	6.00	45.62	40.42	36.89	3.53	5.20	110.09
1925	61.90	55.70	6.19	47.87	42.28	38.72	3.56	5.58	119.45
1926	66.14	59.55	6.60	50.30	44.27	40.51	3.76	6.03	128.13
1927	69.77	63.09	6.67	52.64	46.25	42.44	3.81	6.38	134.27
1928	72.11	65.46	6.65	54.43	47.79	44.04	3.75	6.64	139.63
1929	69.63	62.81	6.82	55.84	48.88	45.16	3.72	6.97	144.33
1930	73.32	66.40	6.92	57.70	50.40	46.69	3.71	7.29	153.02

[1] Service transfers and interest transfers included in the amounts for the year 1922.

Source of Tables 209 and 210: Bureau of the Census, Department of Commerce.

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No. 211.—NET DEBT OF CITIES OF 120,000 OR MORE INHABITANTS IN 1930

City number in order of size	City	Amount (thousands of dollars)				Per capita (dollars)			
		1915	1922	1929	1930	1915	1922	1929	1930
1	New York, N. Y.	921,754	1,067,021	1,546,859	1,615,755	172.82	182.72	226.33	232.07
2	Chicago, Ill.	65,911	131,341	306,269	372,067	27.49	46.35	92.04	109.67
3	Philadelphia, Pa.	101,864	195,846	436,249	464,100	61.44	103.38	224.67	237.50
4	Detroit, Mich.	18,377	122,587	247,047	284,960	33.65	123.37	166.45	183.63
5	Los Angeles, Calif.	42,673	68,826	214,932	216,421	94.38	110.59	184.76	176.94
6	Cleveland, Ohio	57,074	116,089	138,445	139,854	89.26	135.85	154.93	154.93
7	St. Louis Mo.	21,919	14,183	46,691	64,429	29.72	17.99	57.29	78.59
8	Baltimore, Md.	59,614	79,911	148,959	155,039	102.86	104.84	186.27	192.21
9	Boston, Mass.	83,096	84,678	105,655	113,666	113.10	110.76	135.66	145.35
10	Pittsburgh, Pa.	51,932	74,849	129,230	139,218	91.93	123.13	193.95	207.48
11	San Francisco, Calif.	42,636	71,058	91,689	137,875	94.27	135.30	148.17	218.40
12	Milwaukee, Wis.	14,381	31,954	61,836	67,795	34.27	66.97	108.48	116.81
13	Buffalo, N. Y.	32,748	44,014	100,113	104,273	71.54	84.01	177.19	182.46
14	Washington, D. C.	6,223	156			17.48	.36		
15	Minneapolis, Minn.	19,007	37,204	51,017	50,944	55.34	92.78	111.22	109.25
16	New Orleans, La.	42,846	40,416	67,173	71,582	118.61	100.79	148.12	155.44
17	Cincinnati, Ohio	59,839	81,470	81,383	83,062	148.79	201.23	181.86	183.60
18	Newark, N. J.	36,961	48,998	93,727	103,169	94.99	113.48	212.87	232.89
19	Kansas City, Mo.	9,768	15,542	47,130	49,803	34.32	45.88	121.06	125.54
20	Seattle, Wash.	31,029	58,435	80,354	87,106	99.12	185.11	222.03	237.47
21	Indianapolis, Ind.	4,850	24,456	34,479	34,796	18.67	73.00	95.56	95.25
22	Rochester, N. Y.	11,570	24,180	47,101	52,490	47.21	77.61	144.57	159.59
23	Jersey City, N. J.	19,521	36,387	70,197	74,350	66.53	118.94	222.57	234.39
24	Louisville, Ky.	11,865	12,378	25,069	27,120	50.60	52.31	81.58	88.14
25	Portland, Oreg.	16,022	25,585	47,027	61,653	61.72	95.16	157.60	203.81
26	Houston, Tex.	9,858	15,459	41,211	42,214	94.13	103.00	145.42	142.95
27	Toledo, Ohio	10,000	26,690	39,466	40,570	54.31	102.37	137.04	139.13
28	Columbus, Ohio	10,044	21,843	28,410	27,836	49.10	85.51	98.75	95.49
29	Denver, Colo.	908	16,495	31,576	31,158	3.70	61.64	110.56	107.96
30	Oakland, Calif.	9,927	11,768	48,423	62,333	53.11	51.19	175.57	220.73
31	St. Paul, Minn.	10,560	13,014	29,058	29,941	44.60	54.26	108.06	109.87
32	Atlanta, Ga.	4,920	7,054	15,389	15,040	27.44	32.32	57.81	55.36
33	Birmingham, Ala.	5,839	9,345	17,111	19,631	35.57	49.24	68.09	75.80
34	Dallas, Tex.	5,947	11,728	25,698	30,417	52.38	69.67	104.04	118.40
35	Akron, Ohio	6,859	23,338	40,513	42,131	85.43	111.97	159.94	164.83
36	Memphis, Tenn.	12,289	19,453	25,553	26,765	85.80	115.89	124.34	105.37
37	Providence, R. I.	13,523	13,786	30,247	33,969	55.46	57.28	120.27	134.27
38	San Antonio, Tex.	5,634	8,035	26,523	29,274	48.20	46.13	119.26	127.67
39	Omaha, Nebr.	15,291	29,993	31,228	29,715	114.73	149.41	147.02	138.53
40	Syracuse, N. Y.	8,976	13,875	28,268	27,811	80.10	76.66	136.43	132.37
41	Dayton, Ohio	6,009	10,480	19,446	20,973	48.54	64.76	98.46	103.72
42	Worcester, Mass.	7,539	6,175	7,882	9,734	47.86	32.82	40.63	49.76
43	Richmond, Va.	11,170	16,465	28,129	28,775	82.70	92.20	154.39	156.98
44	Oklahoma City, Okla.	4,827	8,811	20,845	20,594	56.22	90.85	119.73	112.41
45	Youngstown, Ohio	3,950	11,171	8,663	8,097	39.27	84.40	56.47	47.49
46	Grand Rapids, Mich.	3,786	5,706	12,703	12,665	30.56	40.24	76.97	75.65
47	Fort Worth, Tex.	5,447	9,235	21,525	23,385	57.64	81.68	133.86	143.11
48	Hartford, Conn.	8,806	13,408	19,264	19,972	81.90	92.42	120.17	122.68
49	New Haven, Conn.	4,236	9,345	10,879	12,272	29.31	54.98	66.91	75.43
50	Nashville, Tenn.	6,038	9,557	15,137	15,263	52.55	79.42	98.93	98.98
51	Flint, Mich.	1,581	10,120	17,860	17,922	31.64	94.89	121.33	117.06
52	Springfield, Mass.	7,549	9,950	15,038	17,593	75.38	71.23	101.41	117.13
53	Bridgeport, Conn.	2,621	10,492	15,114	15,146	22.58	69.47	103.31	103.32
54	San Diego, Calif.	10,868	12,011	18,683	20,486	222.26	143.80	133.17	139.83
55	Scranton, Pa.	2,537	2,914	6,964	7,730	17.95	20.84	48.70	53.83
56	Des Moines, Iowa	3,355	13,930	18,333	18,347	34.48	104.19	130.76	129.39
57	Salt Lake City, Utah	6,223	9,794	9,097	9,871	56.71	79.03	65.69	70.11
58	Tulsa, Okla.	(1)	6,258	17,218	17,450	(1)	70.25	134.83	124.02
59	Long Beach, Calif.	(1)	5,166	18,599	21,932	(1)	81.51	140.05	156.43
60	Paterson, N. J.	4,739	7,940	18,216	26,293	35.02	57.32	131.71	189.70
61	Yonkers, N. Y.	8,631	12,444	22,918	25,388	92.42	118.04	173.49	187.36
62	Jacksonville, Fla.	3,848	7,453	15,759	15,221	54.83	76.35	122.92	117.09
63	Norfolk, Va.	8,234	24,268	31,685	31,861	94.31	194.28	242.06	245.63
64	Albany, N. Y.	5,783	6,358	23,872	27,328	56.17	54.70	188.86	213.84
65	Trenton, N. J.	2,714	3,970	14,276	15,738	25.31	31.74	115.97	127.44
66	Kansas City, Kans.	7,555	8,999	11,144	11,415	58.94	79.08	91.95	93.49

[1] Not reported in 1915.

Source: Bureau of the Census, Department of Commerce.

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No. 212.—REVENUE RECEIPTS AND GOVERNMENTAL-COST PAYMENTS

NOTE.—Amounts, except per capita, in thousands of

City number in order of size	City	1930								
		Total revenue receipts	Total governmental cost payments	For operation, maintenance, and interest				Outlays for permanent improvements	Excess of revenues over—	
				Total	General departments	Public service enterprises	Interest		Total payments	Payments except outlays
1	New York, N. Y.	725,645	681,834	545,915	422,234	17,026	106,655	135,919	43,812	179,731
2	Chicago, Ill.	185,478	297,376	179,606	146,292	7,763	25,551	117,770	−111,898	5,872
3	Philadelphia, Pa.	132,954	163,407	116,572	89,800	2,740	24,032	46,835	−30,453	16,382
4	Detroit, Mich.	148,737	197,795	122,946	85,947	21,818	15,181	74,849	−49,059	25,790
5	Los Angeles, Calif.	156,425	155,476	99,934	76,296	12,206	11,432	55,542	950	56,492
6	Cleveland, Ohio	77,213	78,672	58,535	43,944	5,213	9,378	20,137	−1,459	18,678
7	St. Louis, Mo.	51,358	55,194	38,527	33,140	2,682	2,705	16,667	−3,837	12,830
8	Baltimore, Md.	46,810	57,486	42,508	32,560	2,458	7,490	14,978	−10,676	4,302
9	Boston, Mass.	86,682	85,492	68,096	57,504	2,948	7,644	17,396	1,190	18,586
10	Pittsburgh, Pa.	57,584	72,068	47,537	38,887	2,352	6,298	24,531	−14,484	10,047
11	San Francisco, Calif.	48,519	91,699	37,714	29,181	4,106	4,427	53,985	−43,180	10,805
12	Milwaukee, Wis.	48,977	52,311	35,790	30,884	1,861	3,045	16,521	−3,334	13,187
13	Buffalo, N. Y.	52,873	57,134	42,657	35,906	1,488	5,263	14,477	−4,261	10,216
14	Washington, D. C.	43,914	44,820	31,751	30,568	1,183	(1)	13,069	−906	12,163
15	Minneapolis, Minn.	30,932	29,387	23,955	20,079	815	3,061	5,432	1,545	6,977
16	New Orleans, La.	24,218	33,178	18,994	12,849	2,175	3,970	14,184	−8,960	5,224
17	Cincinnati, Ohio	38,383	41,452	29,793	22,635	1,279	5,879	11,659	−3,069	8,590
18	Newark, N. J.	42,226	54,110	38,921	31,401	1,996	5,524	15,189	−11,884	3,305
19	Kansas City, Mo.	25,965	29,531	21,894	17,100	1,920	2,874	7,637	−3,567	4,070
20	Seattle, Wash.	43,660	50,483	30,333	17,848	8,218	4,267	20,150	−6,822	13,328
21	Indianapolis, Ind.	21,198	23,128	16,189	14,481	27	1,681	6,939	−1,930	5,009
22	Rochester, N. Y.	30,858	33,815	25,538	21,908	704	2,926	8,277	−2,957	5,320
23	Jersey City, N. J.	27,169	30,990	26,208	20,984	1,064	4,160	4,782	−3,821	961
24	Louisville, Ky.	17,391	17,468	12,999	10,969	713	1,317	4,469	−77	4,392
25	Portland, Oreg.	25,999	31,271	17,040	12,074	1,570	3,396	14,231	−5,272	8,959
26	Houston, Tex.	13,404	14,204	10,917	7,894	616	2,407	3,287	−800	2,487
27	Toledo, Ohio	18,637	22,690	14,294	11,139	872	2,283	8,396	−4,053	4,343
28	Columbus, Ohio	16,429	15,932	12,290	8,778	1,046	2,466	3,642	497	4,139
29	Denver, Colo.	19,267	19,978	16,415	13,283	1,047	2,085	3,563	−711	2,852
30	Oakland, Calif.	21,132	23,150	15,778	11,100	1,942	2,736	7,372	−2,018	5,354
31	St. Paul, Minn.	15,673	16,979	11,256	8,283	711	2,262	5,723	−1,305	4,418
32	Atlanta, Ga.	11,231	11,069	9,576	8,172	504	900	1,493	162	1,655
33	Birmingham, Ala.	9,356	10,790	7,197	5,901	34	1,262	3,593	−1,434	2,159
34	Dallas, Tex.	10,359	13,640	9,131	6,932	720	1,479	4,509	−3,282	1,227
35	Akron, Ohio	14,986	17,604	10,753	7,643	465	2,645	6,851	−2,618	4,233
36	Memphis, Tenn.	9,691	10,149	7,937	6,096	529	1,402	2,212	−458	1,754
37	Providence, R. I.	16,060	19,815	13,607	10,944	596	2,067	6,208	−3,755	2,453
38	San Antonio, Tex.	9,437	12,593	7,721	5,715	410	1,596	4,872	−3,156	1,716
39	Omaha, Nebr.	13,793	11,948	10,216	6,801	1,521	1,894	1,732	1,846	3,578
40	Syracuse, N. Y.	16,870	18,170	12,237	10,107	444	1,686	5,933	−1,300	4,633
41	Dayton, Ohio	10,274	11,382	7,780	6,253	311	1,216	3,602	−1,108	2,494
42	Worcester, Mass.	13,991	14,382	11,379	10,362	394	623	3,003	−390	2,613
43	Richmond, Va.	11,037	12,083	8,848	5,991	1,129	1,728	3,235	−1,046	2,189
44	Oklahoma City, Okla.	10,308	9,212	5,075	3,605	283	1,187	4,137	1,095	5,232
45	Youngstown, Ohio	9,349	8,834	6,593	5,519	377	697	2,241	515	2,756
46	Grand Rapids, Mich.	12,619	10,334	7,372	6,025	420	927	2,962	2,285	5,247
47	Fort Worth, Tex.	6,856	8,168	5,735	4,263	324	1,148	2,433	−1,311	1,122
48	Hartford, Conn.	12,598	13,022	9,850	8,407	433	1,010	3,172	−424	2,748
49	New Haven, Conn.	8,844	10,191	8,257	7,524	3	730	1,934	−1,347	587
50	Nashville, Tenn.	6,041	6,464	4,822	3,627	344	851	1,642	−423	1,219
51	Flint, Mich.	9,982	11,729	6,942	5,629	244	1,069	4,787	−1,747	3,040
52	Springfield, Mass.	11,790	12,256	9,320	8,205	390	725	2,936	−467	2,469
53	Bridgeport, Conn.	8,370	8,226	6,916	6,223	11	682	1,310	144	1,454
54	San Diego, Calif.	12,608	13,786	7,238	5,510	783	945	6,548	−1,178	5,370
55	Scranton, Pa.	5,898	7,127	5,398	4,993	1	404	1,729	−1,229	500
56	Des Moines, Iowa	7,415	7,673	6,449	4,895	409	1,145	1,224	−259	965
57	Salt Lake City, Utah	6,565	6,258	4,969	4,037	346	586	1,289	307	1,596
58	Tulsa, Okla.	9,372	9,577	5,480	3,862	480	1,138	4,097	−205	3,892
59	Long Beach, Calif.	14,147	16,246	9,921	6,656	2,259	1,006	6,325	−2,099	4,226
60	Paterson, N. J.	8,793	18,598	7,521	6,429	46	1,046	11,077	−9,805	1,272
61	Yonkers, N. Y.	12,738	15,939	11,003	8,820	610	1,573	4,936	−3,201	1,735
62	Jacksonville, Fla.	8,258	7,643	6,710	4,148	1,596	966	933	615	1,548
63	Norfolk, Va.	7,721	7,994	6,858	4,378	342	2,138	1,136	−273	863
64	Albany, N. Y.	9,815	14,491	7,549	5,603	596	1,350	6,942	−4,677	2,265
65	Trenton, N. J.	7,522	9,679	7,094	5,707	499	888	2,585	−2,157	428
66	Kansas City, Kans.	8,559	7,770	5,222	2,952	1,504	766	2,548	789	3,337

[1] Less than $500.

[2] Less than one-half of 1 cent.

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OF INDIVIDUAL CITIES OF 120,000 OR MORE INHABITANTS IN 1930

dollars. Minus sign indicates excess of payments

Per capita revenue receipts			Per capita governmental-cost payments for operation, maintenance, and interest						City	City number in order of size
			Total			Interest				
1932	1929	1930	1932	1929	1930	1932	1929	1930		
$69.94	$97.07	$104.22	$57.31	$73.85	$78.41	$12.09	$15.49	$15.32	New York, N. Y.	1
54.20	30.43	54.67	39.92	51.93	52.94	2.88	4.86	7.53	Chicago, Ill.	2
47.55	68.59	68.04	43.34	60.91	59.66	5.20	11.68	12.30	Philadelphia, Pa.	3
65.53	106.24	95.85	50.10	75.94	79.23	4.76	9.63	9.78	Detroit, Mich.	4
79.81	136.62	127.89	48.30	81.26	81.70	4.56	9.09	9.35	Los Angeles, Calif.	5
62.55	84.26	85.54	47.92	64.20	64.84	7.45	9.98	10.39	Cleveland, Ohio	6
44.88	61.79	62.65	34.05	46.46	47.00	1.20	2.81	3.30	St. Louis, Mo.	7
39.97	56.43	58.03	35.17	49.20	52.70	5.64	8.87	9.29	Baltimore, Md.	8
80.55	100.31	110.85	65.52	82.66	87.08	8.63	9.93	9.78	Boston, Mass.	9
61.50	82.10	85.82	49.92	66.11	70.84	5.94	9.03	9.39	Pittsburgh, Pa.	10
57.67	76.29	76.85	44.51	58.91	59.74	5.09	7.01	7.01	San Francisco, Calif.	11
59.50	83.48	84.39	41.07	56.89	61.66	2.84	4.52	5.25	Milwaukee, Wis.	12
52.97	81.71	92.52	48.11	69.98	74.64	3.48	7.94	9.21	Buffalo, N. Y.	13
57.27	88.12	90.41	42.03	63.19	65.37	.41	----	(2)	Washington, D. C.	14
54.04	66.19	66.33	41.57	50.97	51.37	4.98	7.31	6.56	Minneapolis, Minn.	15
44.46	55.52	52.59	35.63	43.38	41.25	4.95	7.73	8.62	New Orleans, La.	16
64.38	84.64	84.84	49.41	63.82	65.86	11.39	12.91	12.99	Cincinnati, Ohio	17
61.40	94.99	95.32	52.93	83.56	87.86	7.17	11.62	12.47	Newark, N. J.	18
51.11	60.84	65.45	45.38	53.04	55.19	2.61	6.96	7.25	Kansas City, Mo.	19
93.85	118.62	119.03	80.41	80.74	82.70	12.26	10.77	11.63	Seattle, Wash.	20
49.73	56.16	58.03	35.37	44.19	44.32	3.32	3.93	4.60	Indianapolis, Ind.	21
56.53	91.24	93.82	47.71	73.66	77.65	5.64	8.58	8.90	Rochester, N. Y.	22
55.94	84.46	85.65	54.67	78.36	82.62	9.74	13.08	13.12	Jersey City, N. J.	23
33.85	53.61	56.52	27.60	41.09	42.25	2.41	4.17	4.28	Louisville, Ky.	24
55.25	69.30	85.95	38.26	47.77	56.33	6.75	9.59	11.23	Portland, Oreg.	25
42.40	43.48	45.39	33.76	36.89	36.97	6.04	8.43	8.15	Houston, Tex.	26
42.88	64.31	63.91	36.51	47.50	49.02	5.41	7.01	7.83	Toledo, Ohio	27
44.68	56.65	56.36	34.63	42.51	42.16	6.53	8.55	8.46	Columbus, Ohio	28
52.07	66.42	66.76	40.79	53.89	56.88	3.74	6.93	7.22	Denver, Colo.	29
39.36	68.17	74.83	32.32	51.58	55.87	2.02	8.38	9.69	Oakland, Calif.	30
46.00	58.75	57.52	36.42	41.02	41.30	3.91	8.18	8.30	St. Paul, Minn.	31
33.19	41.76	41.34	25.29	35.35	35.24	.89	3.18	3.31	Atlanta, Ga.	32
25.38	36.50	36.12	21.50	28.06	27.79	3.22	4.88	4.87	Birmingham, Ala.	33
38.79	40.55	40.32	31.07	34.74	35.55	3.93	5.40	5.76	Dallas, Tex.	34
40.05	56.92	58.63	29.86	40.38	42.07	6.53	10.14	10.35	Akron, Ohio	35
39.90	42.91	38.15	33.28	36.06	31.25	6.76	6.67	5.52	Memphis, Tenn.	36
40.86	61.64	63.48	37.04	51.68	53.78	4.23	7.86	8.17	Providence, R. I.	37
26.20	42.17	41.16	21.91	32.63	33.67	3.59	6.30	6.96	San Antonio, Tex.	38
68.18	65.05	64.30	43.24	49.42	47.63	7.07	9.24	8.83	Omaha, Nebr.	39
49.82	80.84	80.30	38.01	57.64	58.24	5.34	8.01	8.03	Syracuse, N. Y.	40
40.14	50.00	50.81	28.30	37.19	38.48	3.74	5.96	6.02	Dayton, Ohio	41
48.07	73.34	71.53	41.05	57.19	58.17	3.33	4.01	3.18	Worcester, Mass.	42
43.90	60.45	60.21	34.93	47.06	48.26	5.31	9.40	9.43	Richmond, Va.	43
52.00	37.05	56.27	35.51	26.37	27.70	5.24	6.94	6.48	Oklahoma City, Okla.	44
38.19	62.54	54.83	34.89	42.06	38.67	6.05	4.80	4.09	Youngstown, Ohio	45
42.25	70.73	75.38	30.99	45.36	44.04	2.12	5.69	5.54	Grand Rapids, Mich.	46
35.88	41.66	41.96	26.92	34.38	35.10	3.80	7.19	7.03	Fort Worth, Tex.	47
53.57	76.21	77.38	41.23	58.58	60.50	4.53	5.41	6.20	Hartford, Conn.	48
36.49	52.84	54.36	32.09	48.35	50.75	2.46	3.92	4.49	New Haven, Conn.	49
28.01	39.72	39.17	23.61	29.90	31.27	4.48	4.88	5.52	Nashville, Tenn.	50
46.02	68.44	65.20	31.39	44.52	45.35	5.44	6.62	6.98	Flint, Mich.	51
59.01	75.85	78.49	47.75	61.51	62.05	3.75	5.26	4.83	Springfield, Mass.	52
48.39	58.76	57.10	40.54	47.36	47.18	3.70	4.66	4.65	Bridgeport, Conn.	53
62.86	87.78	86.06	47.22	48.25	49.41	7.05	6.48	6.45	San Diego, Calif.	54
29.24	37.95	41.07	24.47	34.27	37.59	1.21	2.75	2.81	Scranton, Pa.	55
58.48	52.40	52.29	38.69	44.16	45.48	3.93	6.40	8.07	Des Moines, Iowa	56
44.10	44.61	46.63	35.95	36.58	35.29	5.35	4.25	4.16	Salt Lake City, Utah	57
33.08	32.16	66.61	30.70	38.43	38.95	3.72	7.30	8.08	Tulsa, Okla.	58
56.83	109.58	100.90	38.59	71.64	70.76	3.48	6.85	7.18	Long Beach, Calif.	59
34.47	55.82	63.44	29.78	52.39	54.26	3.27	8.07	7.55	Paterson, N. J.	60
66.27	86.28	94.01	54.45	77.56	81.20	8.06	10.01	11.61	Yonkers, N. Y.	61
47.78	65.42	63.52	42.32	52.33	51.61	6.51	7.40	7.43	Jacksonville, Fla.	62
40.94	58.92	59.53	43.22	51.16	52.88	9.38	16.25	16.49	Norfolk, Va.	63
41.26	69.70	76.80	38.74	56.06	59.07	3.59	7.53	10.57	Albany, N. Y.	64
38.90	61.64	60.90	34.38	55.95	57.44	3.39	6.33	7.19	Trenton, N. J.	65
45.42	58.85	70.10	38.65	38.91	42.76	4.36	6.49	6.27	Kansas City, Kans.	66

Source: Bureau of the Census, Department of Commerce.

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No. 213.—PRINCIPAL SOURCES OF REVENUE: RECEIPTS OF

NOTE.—For total revenue receipts see Table 212.

City number in order of size	City	Amount of revenue receipts (thousands of dollars) from—							
		Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other
		General property	License	Other		General departments	Public service enterprises		
1	New York, N. Y.	480,386	31,533	29,156	23,264	5,730	41,476	54,722	59,378
2	Chicago, Ill.	94,347	9,288	162	39,542	6,615	14,067	14,396	7,061
3	Philadelphia, Pa.	95,283	1,221	62	1,493	3,722	8,192	17,976	5,005
4	Detroit, Mich.	85,166	2,858	532	11,307	7,321	31,036	2,251	8,266
5	Los Angeles, Calif.	83,802	5,533	----------	25,148	3,968	27,049	3,674	7,251
6	Cleveland, Ohio	51,850	2,184	447	6,824	2,768	9,101	2,761	1,278
7	St. Louis, Mo.	33,010	2,901	----------	4,807	2,055	4,372	2,982	1,231
8	Baltimore, Md.	30,256	2,463	1,536	844	1,006	5,442	3,138	2,125
9	Boston, Mass.	58,900	540	11,685	768	2,256	5,230	5,580	1,723
10	Pittsburgh, Pa.	46,532	720	349	998	1,283	3,467	2,306	1,929
11	San Francisco, Calif.	32,101	2,193	----------	1,154	1,362	7,384	1,379	2,946
12	Milwaukee, Wis.	31,294	729	4,414	3,835	2,435	2,954	674	2,642
13	Buffalo, N. Y.	36,998	2,317	1,794	2,289	912	2,828	1,095	4,640
14	Washington, D. C.	24,669	4,905	3	948	1,572	1,454	213	10,150
15	Minneapolis, Minn.	22,648	318	144	2,607	814	1,560	752	2,089
16	New Orleans, La.	15,977	1,230	110	1,349	719	2,809	760	1,264
17	Cincinnati, Ohio	23,211	1,818	554	1,362	2,443	2,970	5,104	921
18	Newark, N. J.	29,437	1,102	507	1,253	1,623	2,925	1,919	3,460
19	Kansas City, Mo.	16,517	1,513	----------	2,243	878	2,534	1,265	1,015
20	Seattle, Wash.	20,097	181	----------	4,525	847	14,744	638	2,628
21	Indianapolis, Ind.	17,195	189	42	2,007	690	59	271	745
22	Rochester, N. Y.	19,882	1,758	956	2,423	830	1,685	724	2,600
23	Jersey City, N. J.	19,198	1,385	234	262	555	1,982	1,355	2,198
24	Louisville, Ky.	12,095	725	----------	887	711	1,773	550	650
25	Portland, Oreg.	14,806	1,301	----------	5,647	507	2,212	783	743
26	Houston, Tex.	9,996	77	----------	8	400	1,187	643	1,093
27	Toledo, Ohio	12,342	846	156	2,051	438	1,567	978	259
28	Columbus, Ohio	10,737	784	93	1,546	329	1,946	777	217
29	Denver, Colo.	12,907	490	----------	1,266	841	2,974	433	356
30	Oakland, Calif.	11,245	444	----------	2,135	451	3,376	435	3,046
31	St. Paul, Minn.	9,283	558	20	1,443	326	1,115	857	2,071
32	Atlanta, Ga.	6,188	709	78	693	641	1,940	422	560
33	Birmingham, Ala.	4,300	1,217	----------	1,866	277	34	201	1,461
34	Dallas, Tex.	6,829	39	----------	269	548	1,316	425	933
35	Akron, Ohio	9,718	687	122	1,934	487	1,414	323	301
36	Memphis, Tenn.	6,373	418	26	269	256	1,376	192	781
37	Providence, R. I.	12,204	82	65	303	397	1,665	948	396
38	San Antonio, Tex.	6,647	77	----------	171	213	1,174	256	899
39	Omaha, Nebr.	8,325	194	----------	799	191	3,439	605	240
40	Syracuse, N. Y.	9,937	423	630	2,917	214	951	202	1,596
41	Dayton, Ohio	7,404	443	88	714	323	742	324	236
42	Worcester, Mass.	9,024	35	2,325	282	830	980	126	389
43	Richmond, Va.	6,235	685	75	172	189	2,378	736	567
44	Oklahoma City, Okla.	6,407	235	----------	1,706	219	928	447	366
45	Youngstown, Ohio	6,699	385	34	791	172	911	160	197
46	Grand Rapids, Mich.	7,609	72	----------	1,918	464	1,331	241	984
47	Fort Worth, Tex.	4,641	36	----------	190	218	975	168	628
48	Hartford, Conn.	8,211	111	1,838	374	367	1,073	327	297
49	New Haven, Conn.	7,531	74	258	111	395	1	223	251
50	Nashville, Tenn.	3,889	155	29	134	152	681	196	805
51	Flint, Mich.	5,988	41	----------	1,387	704	884	129	849
52	Springfield, Mass.	8,017	62	2,046	158	421	743	88	255
53	Bridgeport, Conn.	7,576	61	176	54	214	26	55	208
54	San Diego, Calif.	5,110	104	----------	3,577	191	1,889	240	1,497
55	Scranton, Pa.	4,610	53	126	241	197	2	122	547
56	Des Moines, Iowa	5,805	55	----------	262	139	896	108	150
57	Salt Lake City, Utah	4,152	132	----------	540	204	524	89	924
58	Tulsa, Okla.	6,519	179	----------	1,327	66	940	153	188
59	Long Beach, Calif.	5,668	234	----------	1,576	473	3,614	1,197	1,385
60	Paterson, N. J.	6,258	382	70	369	277	170	449	818
61	Yonkers, N. Y.	9,165	191	598	688	78	743	135	1,140
62	Jacksonville, Fla.	3,585	146	17	321	100	3,628	125	336
63	Norfolk, Va.	4,967	540	13	48	109	1,004	724	316
64	Albany, N. Y.	6,993	250	352	689	33	751	136	611
65	Trenton, N. J.	5,220	158	75	118	314	625	405	607
66	Kansas City, Kans.	4,165	111	----------	1,227	45	2,719	232	60

Source: Bureau of the Census, Department of Commerce.

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INDIVIDUAL CITIES OF 120,000 OR MORE INHABITANTS, 1930

Receipts from borrowing are not included

Per capita revenue receipts (dollars) from—								City	City number in order of size
Taxes			Special assessments and charges for outlays	Earnings of—		Highway privileges, rents, and interest	All other		
General property	License	Other		General departments	Public service enterprises				
69.00	4.53	4.19	3.34	0.82	5.96	7.86	8.53	New York, N. Y.	1
27.81	2.74	.05	11.65	1.95	4.15	4.24	2.08	Chicago, Ill.	2
48.76	.62	.03	.76	1.90	4.19	9.20	2.56	Philadelphia, Pa.	3
54.88	1.84	.34	7.29	4.72	20.00	1.45	5.32	Detroit, Mich.	4
68.52	4.52		20.56	3.24	22.11	3.00	5.93	Los Angeles, Calif.	5
57.44	2.42	.50	7.56	3.07	10.08	3.06	1.41	Cleveland, Ohio	6
40.27	3.54		5.86	2.51	5.33	3.64	1.50	St. Louis, Mo.	7
37.51	3.05	1.90	1.05	1.25	6.75	3.89	2.64	Baltimore, Md.	8
75.32	.69	14.95	.98	2.89	6.69	7.14	2.20	Boston, Mass.	9
69.35	1.07	.52	1.49	1.91	5.17	3.44	2.87	Pittsburgh, Pa.	10
50.85	3.47		1.83	2.16	11.70	2.18	4.67	San Francisco, Calif.	11
53.92	1.25	7.61	6.61	4.20	5.09	1.16	4.55	Milwaukee, Wis.	12
64.74	4.05	3.14	4.01	1.60	4.95	1.92	8.12	Buffalo, N. Y.	13
50.79	10.10	.01	1.95	3.24	2.99	.44	20.90	Washington, D. C.	14
48.57	.68	.31	5.59	1.74	3.35	1.61	4.48	Minneapolis, Minn.	15
34.69	2.67	.24	2.93	1.56	6.10	1.65	2.74	New Orleans, La.	16
51.31	4.02	1.22	3.01	5.40	6.56	11.28	2.04	Cincinnati, Ohio	17
66.45	2.49	1.15	2.83	3.66	6.60	4.33	7.81	Newark, N. J.	18
41.64	3.81		5.65	2.21	6.39	3.19	2.56	Kansas City, Mo.	19
54.79	.49		12.34	2.31	40.19	1.74	7.16	Seattle, Wash.	20
47.07	.52	.11	5.49	1.89	.16	.74	2.04	Indianapolis, Ind.	21
60.45	5.34	2.91	7.37	2.52	5.12	2.20	7.90	Rochester, N. Y.	22
60.53	4.37	.74	.83	1.75	6.25	4.27	6.93	Jersey City, N. J.	23
39.31	2.36		2.88	2.31	5.76	1.79	2.11	Louisville, Ky.	24
48.95	4.30		18.67	1.68	7.31	2.59	2.46	Portland, Oreg.	25
33.85	.26		.03	1.35	4.02	2.18	3.70	Houston, Tex.	26
42.33	2.90	.54	7.08	1.50	5.38	3.35	.89	Toledo, Ohio	27
36.83	2.69	.32	5.30	1.13	6.68	2.67	.74	Columbus, Ohio	28
44.72	1.70		4.39	2.91	10.31	1.50	1.23	Denver, Colo.	29
39.82	1.57		7.56	1.60	11.95	1.54	10.78	Oakland, Calif.	30
34.06	2.05	.07	5.30	1.20	4.09	3.14	7.60	St. Paul, Minn.	31
22.78	2.61	.29	2.55	2.36	7.14	1.55	2.06	Atlanta, Ga.	32
16.60	4.70		7.20	1.07	.13	.78	5.64	Birmingham, Ala.	33
26.58	.15		1.05	2.13	5.12	1.65	3.63	Dallas, Tex.	34
38.02	2.69	.48	7.57	1.90	5.53	1.26	1.18	Akron, Ohio	35
25.09	1.65	.10	1.06	1.01	5.42	.76	3.08	Memphis, Tenn.	36
48.24	.32	.26	1.20	1.57	6.58	3.75	1.57	Providence, R. I.	37
28.99	.33		.75	.93	5.12	1.12	3.92	San Antonio, Tex.	38
38.81	.90		3.72	.89	16.03	2.82	1.12	Omaha, Nebr.	39
47.30	2.01	3.00	13.88	1.02	4.53	.96	7.59	Syracuse, N. Y.	40
36.62	2.19	.44	3.53	1.60	3.67	1.60	1.17	Dayton, Ohio	41
46.13	.18	11.88	1.44	4.24	5.01	.65	1.99	Worcester, Mass.	42
34.02	3.74	.41	.94	1.03	12.97	4.01	3.10	Richmond, Va.	43
34.97	1.28		9.31	1.20	5.06	2.44	2.00	Oklahoma City, Okla.	44
39.29	2.26	.20	4.64	1.01	5.34	.94	1.16	Youngstown, Ohio	45
45.45	.43		11.46	2.77	7.95	1.44	5.88	Grand Rapids, Mich.	46
28.40	.22		1.16	1.33	5.97	1.03	3.84	Fort Worth, Tex.	47
50.43	.68	11.29	2.30	2.26	6.59	2.01	1.83	Hartford, Conn.	48
46.28	.46	1.58	.68	2.42	.01	1.37	1.54	New Haven, Conn.	49
25.22	1.00	.19	.87	.98	4.41	1.27	5.22	Nashville, Tenn.	50
39.11	.27		9.06	4.60	5.78	.84	5.55	Flint, Mich.	51
53.37	.41	13.62	1.05	2.80	4.95	.59	1.70	Springfield, Mass.	52
51.68	.42	1.20	.37	1.46	.17	.38	1.42	Bridgeport, Conn.	53
34.88	.71		24.42	1.31	12.89	1.64	10.22	San Diego, Calif.	54
32.11	.37	.87	1.68	1.37	.01	.85	3.81	Scranton, Pa.	55
40.93	.39		1.85	.98	6.31	.76	1.06	Des Moines, Iowa	56
29.49	.93		3.83	1.45	3.72	.63	6.56	Salt Lake City, Utah	57
46.33	1.27		9.43	.47	6.68	1.08	1.34	Tulsa, Okla.	58
40.43	1.67		11.24	3.37	25.78	8.53	9.88	Long Beach, Calif.	59
45.15	2.76	.50	2.66	2.00	1.23	3.24	5.89	Paterson, N. J.	60
67.64	1.41	4.41	5.08	.57	5.49	.99	8.41	Yonkers, N. Y.	61
27.57	1.12	.13	2.47	.77	27.91	.97	2.60	Jacksonville, Fla.	62
38.30	4.16	.10	.37	.84	7.74	5.58	2.44	Norfolk, Va.	63
54.72	1.95	2.76	5.39	.26	5.88	1.07	4.78	Albany, N. Y.	64
42.26	1.28	.60	.96	2.54	5.06	3.28	4.91	Trenton, N. J.	65
34.11	.91		10.05	.37	22.27	1.90	.49	Kansas City, Kans.	66

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No. 214.—GOVERNMENTAL-COST PAYMENTS FOR EXPENSES OF THE SEV

NOTE.—For total expenses of general departments

City number in order of size	City	Amount of governmental-cost payments (thousands of dollars for)—								
		General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous
							Schools	Libraries		
1	New York, N. Y	44,891	85,493	49,176	26,180	31,822	137,937	3,275	9,545	33,915
2	Chicago, Ill	17,998	29,455	14,670	12,518	7,237	44,498	1,652	8,639	9,620
3	Philadelphia, Pa	10,837	18,845	9,184	8,470	8,377	24,424	808	4,015	4,839
4	Detroit, Mich	6,126	16,791	9,701	9,673	10,976	24,120	1,306	3,357	3,897
5	Los Angeles, Calif	7,708	13,145	4,862	6,485	7,244	30,828	1,286	2,291	2,447
6	Cleveland, Ohio	4,052	7,364	4,081	4,911	2,139	16,911	1,600	772	2,114
7	St. Louis, Mo	2,886	8,040	2,572	2,391	3,003	11,526	497	1,712	513
8	Baltimore, Md	2,711	7,669	3,818	3,787	2,019	9,406	530	1,282	1,338
9	Boston, Mass	4,465	10,989	5,713	4,066	7,861	16,448	1,074	3,224	3,664
10	Pittsburgh, Pa	4,856	6,637	3,942	4,876	2,859	11,630	572	1,408	2,107
11	San Francisco, Calif	2,779	7,591	1,443	1,790	3,264	8,364	269	1,839	1,842
12	Milwaukee, Wis	2,455	5,006	4,171	3,388	3,149	9,062	377	2,058	1,218
13	Buffalo, N. Y	2,804	6,145	3,589	2,997	4,135	11,453	439	1,531	2,813
14	Washington, D. C	1,634	5,981	2,558	3,178	4,361	9,116	321	1,776	1,643
15	Minneapolis, Minn	1,537	2,918	1,849	1,974	1,157	8,191	519	899	1,035
16	New Orleans, La	1,561	3,677	1,691	1,037	399	3,736	73	319	356
17	Cincinnati, Ohio	2,394	3,043	1,733	2,151	2,148	9,124	360	393	1,289
18	Newark, N. J	2,766	6,413	3,727	1,631	3,804	10,523	453	940	1,144
19	Kansas City, Mo	2,559	2,398	1,032	2,107	1,389	5,668	279	675	494
20	Seattle, Wash	2,131	3,604	1,641	2,265	854	5,895	327	522	609
21	Indianapolis, Ind	1,054	3,258	1,269	1,133	845	5,498	394	532	498
22	Rochester, N. Y	1,828	3,089	2,427	1,754	2,278	7,657	279	883	1,712
23	Jersey City, N. J	2,455	5,245	1,987	1,258	2,568	5,306	259	826	1,080
24	Louisville, Ky	783	1,955	1,261	1,108	1,070	3,883	170	358	381
25	Portland, Oreg	1,286	2,647	687	1,269	594	4,704	-------	433	454
26	Houston, Tex	325	1,552	851	679	313	3,670	85	268	151
27	Toledo, Ohio	462	2,384	797	1,360	516	4,741	241	198	440
28	Columbus, Ohio	458	1,575	815	656	179	4,385	106	133	471
29	Denver, Colo	1,293	2,253	795	1,353	980	4,928	272	868	541
30	Oakland, Calif	501	2,444	578	735	17	5,966	203	493	163
31	St. Paul, Minn	569	1,896	465	756	373	3,285	226	406	307
32	Atlanta, Ga	371	1,765	916	617	664	3,238	122	239	240
33	Birmingham, Ala	266	1,495	530	404	52	2,746	123	210	74
34	Dallas, Tex	407	1,438	729	714	312	2,915	39	324	54
35	Akron, Ohio	387	927	608	882	219	4,205	99	30	286
36	Memphis, Tenn	261	1,281	733	649	466	2,074	86	391	65
37	Providence, R. I	569	2,714	1,264	1,063	394	4,073	64	385	418
38	San Antonio, Tex	392	989	558	735	75	2,460	39	253	214
39	Omaha, Nebr	454	1,728	345	464	1	3,201	102	192	314
40	Syracuse, N. Y	584	1,878	1,080	751	850	3,659	149	290	866
41	Dayton, Ohio	355	1,045	588	562	327	2,715	251	176	234
42	Worcester, Mass	426	2,023	863	1,152	1,259	3,752	190	276	421
43	Richmond, Va	620	1,223	614	576	281	2,288	72	159	158
44	Oklahoma City, Okla	179	687	279	203	59	1,967	40	83	108
45	Youngstown, Ohio	280	773	251	637	139	2,887	110	203	238
46	Grand Rapids, Mich	260	1,110	439	440	110	3,241	174	193	58
47	Fort Worth, Tex	203	956	403	327	204	1,820	35	255	60
48	Hartford, Conn	490	1,814	926	608	424	3,274	110	495	266
49	New Haven, Conn	439	1,831	513	457	401	3,160	124	322	278
50	Nashville, Tenn	224	953	347	308	274	1,214	50	158	99
51	Flint, Mich	256	905	507	303	775	2,630	65	145	43
52	Springfield, Mass	382	1,635	863	693	486	3,243	199	393	311
53	Bridgeport, Conn	371	1,662	610	312	363	2,319	156	214	216
54	San Diego, Calif	382	1,012	467	503	25	2,565	118	313	125
55	Scranton, Pa	270	959	406	395	325	2,238	35	158	207
56	Des Moines, Iowa	235	835	282	577	10	2,572	103	151	130
57	Salt Lake City, Utah	287	576	234	401	35	2,099	81	255	69
58	Tulsa, Okla	199	771	267	171	3	2,232	69	98	52
59	Long Beach, Calif	465	1,148	448	456	51	3,272	134	461	221
60	Paterson, N. J	220	1,469	801	192	185	3,078	89	116	278
61	Yonkers, N. Y	618	1,565	1,377	459	672	3,378	55	254	542
62	Jacksonville, Fla	252	949	468	569	84	1,332	58	231	205
63	Norfolk, Va	380	1,310	479	250	222	1,478	41	96	122
64	Albany, N. Y	356	1,321	670	568	239	1,680	127	308	334
65	Trenton, N. J	217	1,350	664	469	195	2,333	100	201	178
66	Kansas City, Kans	166	629	140	192	17	1,632	38	67	79

[1] Less than one-half of 1 cent.

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ERAL DEPARTMENTS OF CITIES OF 120,000 OR MORE INHABITANTS, 1930

and other governmental-cost payments, see Table 212

Per capital governmental-cost payments (dollars) for—									City	City number in order of size
General government	Protection to person and property	Health and sanitation	Highways	Charities, hospitals, and corrections	Education		Recreation	Miscellaneous		
					Schools	Libraries				
6.45	12.28	7.06	3.76	4.57	19.81	0.47	1.37	4.87	New York, N. Y.	1
5.31	8.68	4.32	3.69	2.13	13.12	.49	2.55	2.84	Chicago, Ill.	2
5.55	9.65	4.70	4.34	4.29	12.50	.41	2.05	2.48	Philadelphia, Pa.	3
3.95	10.82	6.25	6.23	7.07	15.54	.84	2.16	2.51	Detroit, Mich.	4
6.30	10.75	3.97	5.30	5.92	25.20	1.05	1.87	2.00	Los Angeles, Calif.	5
4.49	8.16	4.52	5.44	2.37	18.73	1.77	.86	2.34	Cleveland, Ohio	6
3.52	9.81	3.13	2.91	3.66	14.06	.61	2.09	.63	St. Louis, Mo.	7
3.36	9.51	4.73	4.69	2.50	11.66	.66	1.59	1.66	Baltimore, Md.	8
5.71	14.05	7.31	5.20	10.05	21.03	1.37	4.12	4.69	Boston, Mass.	9
7.24	9.89	5.87	7.27	4.26	17.33	.85	2.10	3.14	Pittsburgh, Pa.	10
4.40	12.02	2.28	2.84	5.17	13.25	.43	2.91	2.92	San Francisco, Calif.	11
4.23	8.62	7.18	5.84	5.43	15.61	.65	3.55	2.10	Milwaukee, Wis.	12
4.91	10.76	6.28	5.24	7.24	20.04	.77	2.68	4.92	Buffalo, N. Y.	13
3.36	12.32	5.26	6.54	8.98	18.77	.66	3.66	3.38	Washington, D. C.	14
3.30	6.26	3.96	4.23	2.48	17.57	1.11	1.93	2.22	Minneapolis, Minn.	15
3.39	7.99	3.68	2.25	.87	8.11	.16	.69	.77	New Orleans, La.	16
5.29	6.72	3.84	4.75	4.75	20.17	.80	.87	2.85	Cincinnati, Ohio	17
6.24	14.48	8.41	3.68	8.59	23.75	1.02	2.12	2.58	Newark, N. J.	18
6.45	6.05	2.60	5.31	4.76	14.29	.70	1.70	1.24	Kansas City, Mo.	19
5.81	9.82	4.48	6.17	2.33	16.07	.89	1.42	1.66	Seattle, Wash.	20
2.89	8.92	3.48	3.10	2.31	15.05	1.08	1.48	1.36	Indianapolis, Ind.	21
5.56	9.39	7.38	5.33	6.93	23.28	.85	2.68	5.21	Rochester, N. Y.	22
7.74	16.54	6.26	3.97	8.09	16.73	.82	2.60	3.40	Jersey City, N. J.	23
2.55	6.36	4.10	3.60	3.48	12.62	.55	1.16	1.24	Louisville, Ky.	24
4.25	8.75	2.27	4.20	1.96	15.55	-------	1.43	1.50	Portland, Oreg.	25
1.10	5.26	2.88	2.30	1.06	12.43	.29	.91	.51	Houston, Tex.	26
1.59	8.17	2.73	4.66	1.77	16.26	.83	.68	1.51	Toledo, Ohio	27
1.57	5.40	2.80	2.24	.61	15.04	.36	.46	1.62	Columbus, Ohio	28
4.48	7.81	2.76	4.69	3.40	17.08	.94	3.01	1.87	Denver, Colo.	29
1.77	8.66	2.05	2.60	.06	21.13	.72	1.74	.58	Oakland, Calif.	30
2.09	6.95	1.70	2.78	1.37	12.06	.83	1.49	1.13	St. Paul, Minn.	31
1.37	6.51	3.37	2.27	2.44	11.92	.45	.88	.88	Atlanta, Ga.	32
1.03	5.77	2.05	1.56	.20	10.60	.47	.81	.28	Birmingham, Ala.	33
1.58	5.60	2.84	2.78	1.22	11.35	.15	1.26	.21	Dallas, Tex.	34
1.51	3.63	2.38	3.45	.86	16.45	.39	.12	1.12	Akron, Ohio	35
1.03	5.05	2.88	2.55	1.83	8.17	.34	1.54	.26	Memphis, Tenn.	36
2.25	10.73	4.99	4.20	1.56	16.10	.25	1.52	1.65	Providence, R. I.	37
1.71	4.30	2.43	3.21	.33	10.73	.17	1.10	.93	San Antonio, Tex.	38
2.11	8.06	1.61	2.16	(1)	14.93	.48	.89	1.46	Omaha, Nebr.	39
2.78	8.94	5.14	3.57	4.05	17.41	.71	1.38	4.12	Syracuse, N. Y.	40
1.75	5.16	2.91	2.78	1.62	13.43	1.24	.87	1.16	Dayton, Ohio	41
2.18	10.35	4.42	5.88	6.43	19.18	.97	1.41	2.15	Worcester, Mass.	42
3.38	6.68	3.35	3.15	1.52	12.48	.39	.87	.86	Richmond, Va.	43
.98	3.74	1.53	1.10	.32	10.74	.22	.46	.59	Oklahoma City, Okla.	44
1.64	4.54	1.47	3.73	.82	16.93	.65	1.19	1.39	Youngstown, Ohio	45
1.55	6.63	2.62	2.62	.66	19.36	1.04	1.15	.34	Grand Rapids, Mich.	46
1.24	5.84	2.46	2.00	1.25	11.14	.22	1.56	.37	Fort Worth, Tex.	47
3.01	11.15	5.69	3.73	2.60	20.11	.68	3.04	1.63	Hartford, Conn.	48
2.70	11.25	3.15	2.81	2.47	19.42	.76	1.98	1.71	New Haven, Conn.	49
1.45	6.18	2.25	1.99	1.77	7.88	.32	1.02	.64	Nashville, Tenn.	50
1.67	5.91	3.30	1.98	5.06	17.18	.43	.94	.28	Flint, Mich.	51
2.55	10.89	5.75	4.62	3.24	21.59	1.33	2.61	2.07	Springfield, Mass.	52
2.53	11.34	4.17	2.13	2.48	15.82	1.06	1.46	1.48	Bridgeport, Conn.	53
2.61	6.90	3.19	3.43	.17	17.51	.81	2.14	.85	San Diego, Calif.	54
1.88	6.68	2.38	2.75	2.26	15.58	.24	1.10	1.45	Scranton, Pa.	55
1.66	5.89	1.99	4.07	.07	18.13	.72	1.06	.92	Des Moines, Iowa	56
2.04	4.09	1.66	2.85	.25	14.91	.58	1.81	.49	Salt Lake City, Utah	57
1.41	5.48	1.90	1.21	.02	15.87	.50	.70	.37	Tulsa, Okla.	58
3.31	8.19	3.19	3.25	.37	23.34	.96	3.29	1.58	Long Beach, Calif.	59
1.59	10.59	5.78	1.39	1.34	22.20	.64	.84	2.01	Paterson, N. J.	60
4.56	11.56	9.42	3.38	4.96	24.93	.41	1.87	4.01	Yonkers, N. Y.	61
1.94	7.29	3.60	4.38	.65	10.24	.44	1.78	1.58	Jacksonville, Fla.	62
2.93	10.10	3.70	1.93	1.71	11.39	.31	.74	.94	Norfolk, Va.	63
2.78	10.33	5.24	4.44	1.87	13.15	.99	2.41	2.62	Albany, N. Y.	64
1.75	10.93	5.38	3.80	1.58	18.89	.81	1.63	1.44	Trenton, N. J.	65
1.36	5.08	1.15	1.57	.14	13.37	.31	.55	.65	Kansas City, Kans.	66

Source: Bureau of the Census, Department of Commerce.

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No. 215.—REVENUE RECEIPTS, GOVERNMENTAL-COST PAYMENTS, AND NET DEBT OF CITIES HAVING 30,000 TO 120,000 INHABITANTS, 1930

NOTE.—See headnote, Table 199. Cities are arranged in order of their estimated population in 1930

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
67	Chattanooga, Tenn	3,706	2,725	667	2,401	13,609	30.94	22.74	5.57	113.60
68	Camden, N. J	6,602	5,478	1,162	2,224	16,454	55.58	46.11	9.78	138.50
69	Erie, Pa	5,826	3,690	532	3,690	12,467	50.10	31.73	4.57	107.20
70	Spokane, Wash	5,360	3,987	291	1,024	3,[illegible]5	46.33	34.47	2.51	34.01
71	Fort Wayne, Ind	5,520	4,192	230	1,270	4,825	47.75	36.26	1.99	41.74
72	Fall River, Mass	5,809	5,337	611	436	8,027	50.39	46.30	5.30	69.64
73	Elizabeth, N. J	5,156	4,235	669	2,477	7,447	44.84	36.82	5.30	64.76
74	Cambridge, Mass	8,168	6,551	611	2,397	8,937	71.43	57.72	5.38	78.74
75	New Bedford, Mass	7,287	5,409	603	791	10,033	64.72	48.04	5.36	89.11
76	Miami, Fla	6,884	4,054	2,174	968	28,225	61.35	36.14	19.37	251.56
77	Wichita, Kans	5,131	3,281	397	2,232	6,047	45.82	29.30	3.54	53.99
78	Reading, Pa	5,156	3,689	500	1,8 5	11,239	46.33	33.15	4.49	100.98
79	Tacoma, Wash	8,867	4,913	838	7,673	17,411	82.87	45.92	7.83	162.73
80	Wilmington, Del	5,431	3,669	536	1,387	12,676	50.90	34.39	5.02	118.80
81	Knoxville, Tenn	4,873	3,196	1,180	1,644	18,859	46.06	30.21	11.21	178.25
82	Peoria, Ill	4,166	2,645	307	2,445	4,349	39.41	25.03	2.90	41.06
83	Canton, Ohio	5,967	3,357	914	1,545	10,304	56.67	31.69	8.68	97.86
84	South Bend, Ind	5,181	3,368	304	1,707	6,090	49.34	31.51	2.89	58.00
85	Somerville, Mass	4,819	3,952	362	832	3,384	46.25	37.93	2.90	32.48
86	Evansville, Ind	4,295	2,984	204	1,030	5,607	41.82	29.06	1.98	54.60
87	Lynn, Mass	5,699	4,380	374	1,852	7,292	55.65	42.87	3.65	71.21
88	Utica, N. Y	6,162	4,468	539	1,287	11,053	60.47	43.25	5.78	108.46
89	Duluth, Minn	7,228	4,874	602	1,212	11,655	71.21	48.02	5.93	114.82
90	Gary, Ind	4,742	3,480	278	1,247	5,895	46.72	34.38	2.74	58.08
91	El Paso, Tex	3,469	2,611	475	874	6,534	34.24	25.78	4.69	64.50
92	Lowell, Mass	5,657	4,475	363	614	4,690	56.44	44.65	3.62	46.79
93	Tampa, Fla	5,491	3,451	1,093	263	14,057	54.76	34.47	10.02	140.44
94	Waterbury, Conn	7,717	4,440	869	844	17,190	77.10	44.36	8.68	171.73
95	Schenectady, N. Y	7,045	5,655	445	2,379	9,271	73.54	52.76	4.65	96.77
96	Sacramento, Calif	6,171	4,703	619	933	13,143	65.37	49.82	6.56	139.23
97	Allentown, Pa	3,916	2,719	439	1,757	9,091	42.15	29.26	4.73	97.86
98	Bayonne, N. J	6,223	5,400	771	454	10,938	69.68	60.46	8.63	122.48
99	Wilkes-Barre, Pa	3,653	2,657	236	563	3,796	42.14	30.64	2.73	43.78
100	Rockford, Ill	4,680	2,636	410	2,232	3,437	54.23	30.53	4.74	39.83
101	Lawrence, Mass	4,801	3,746	276	508	4,395	56.44	44.03	3.25	51.66
102	Savannah, Ga	2,820	2,162	232	297	4,617	33.16	25.43	2.72	54.31
103	Charlotte, N. C	3,643	2,233	697	1,357	8,528	44.26	27.14	8.16	103.62
104	Altoona, Pa	2,915	2,166	371	2,179	6,164	35.50	26.39	4.51	75.08
105	Little Rock, Ark	2,930	1,712	374	967	4,786	35.68	20.85	4.55	58.29
106	Berkeley, Calif	5,779	3,606	657	1,864	15,066	70.91	44.25	8.06	184.86
107	St. Joseph, Mo	2,382	1,753	241	958	5,341	29.48	21.70	2.98	66.10
108	Harrisburg, Pa	4,215	2,930	468	694	8,477	52.43	36.44	5.08	105.44
109	Saginaw, Mich	4,703	2,682	417	1,432	5,484	58.57	33.40	5.19	68.30
110	Sioux City, Iowa	3,841	2,661	258	1,012	3,629	48.74	33.77	3.27	46.05
111	Lansing, Mich	7,496	3,933	334	2,517	4,333	96.60	50.69	4.30	55.83
112	Pawtucket, R. I	3,523	2,568	634	1,576	12,807	45.46	33.14	8.18	165.26
113	Binghamton, N. Y	5,257	4,111	339	1,310	7,700	68.37	53.47	4.40	100.14
114	Shreveport, La	2,519	2,120	526	1,538	10,528	32.76	27.58	6.84	136.91
115	Manchester, N. H	3,264	2,527	233	438	4,897	42.43	32.89	3.03	63.73
116	Niagara Falls, N. Y	5,770	3,961	680	1,444	13,437	75.92	52.11	8.95	176.80
117	Lincoln, Nebr	4,249	2,655	367	548	4,488	56.05	35.02	4.85	59.22
118	Pasadena, Calif	9,135	5,035	625	2,618	12,456	121.16	66.77	8.30	165.19
119	Huntington, W. Va	2,465	2,020	114	258	2,855	32.82	26.90	1.51	38.02
120	Winston-Salem, N. C	3,668	1,925	931	1,962	13,470	49.10	25.78	12.46	180.32
121	East St. Louis, Ill	3,084	1,831	330	1,213	3,486	41.39	24.57	4.43	46.79
122	Troy, N. Y	4,095	3,075	374	887	6,349	55.01	42.23	5.14	87.21
123	Quincy, Mass	5,484	3,540	443	1,506	5,947	75.53	48.77	6.09	81.91
124	Springfield, Ill	3,800	2,418	221	891	2,291	53.37	33.97	3.11	32.17
125	Lakewood, Ohio	3,931	2,732	457	215	6,821	55.21	38.37	6.42	95.80
126	Portland, Me	4,177	3,215	436	616	9,394	59.00	45.42	6.15	132.68

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No. 215.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 120,000 Inhabitants, 1930—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
127	Roanoke, Va	2,275	1,885	343	108	6,454	32.69	27.08	4.93	92.72
128	Springfield, Ohio	2,677	2,069	241	1,170	4,767	38.85	30.02	3.50	69.19
129	East Orange, N. J	4,643	3,161	643	1,443	9,559	67.88	46.21	9.40	139.76
130	Mobile, Ala	2,405	1,805	510	1,399	6,092	35.26	26.47	7.48	89.32
131	Racine, Wis	4,010	2,345	232	1,450	5,672	59.23	34.63	3.43	83.78
132	New Britain, Conn	3,951	2,752	306	1,135	6,571	58.37	40.65	4.52	97.06
133	Cicero, Ill	2,312	2,048	418	314	2,107	34.45	30.52	6.23	31.41
134	Johnstown, Pa	3,161	2,236	411	427	8,078	47.19	33.38	6.14	120.57
135	Atlantic City, N. J	8,819	6,396	1,792	1,172	27,920	132.42	96.03	26.90	419.22
136	Montgomery, Ala	1,938	1,658	521	1,092	7,076	29.41	25.16	7.90	107.38
137	Newton, Mass	6,125	4,043	341	1,494	5,324	93.22	61.53	5.20	81.04
138	Pontiac, Mich	4,957	2,847	588	2,589	9,300	75.68	43.45	8.98	141.98
139	Covington, Ky	2,271	1,606	199	319	4,039	34.68	24.52	3.03	61.67
140	Hammond, Ind	4,118	2,189	123	1,706	2,362	63.26	33.63	1.89	36.28
141	Oak Park, Ill	3,016	2,367	437	568	3,598	46.68	36.63	6.77	55.70
142	Topeka, Kans	3,585	2,319	238	1,545	4,457	55.76	36.07	3.71	69.31
143	Evanston, Ill	2,939	2,969	289	518	4,033	45.93	46.39	4.53	63.02
144	Brockton, Mass	3,880	2,915	211	804	3,116	60.82	45.68	3.31	48.84
145	Passaic, N. J	3,881	3,153	597	4,989	12,246	61.64	50.07	9.49	194.51
146	Terre Haute, Ind	2,557	2,182	147	174	2,575	40.71	34.74	2.34	40.99
147	Charleston, S. C	3,008	2,027	492	180	8,688	48.31	32.55	7.90	139.53
148	Mount Vernon, N. Y	5,545	3,846	752	2,193	13,305	89.44	62.04	12.12	214.60
149	Glendale, Calif	6,002	3,150	355	2,566	6,579	97.43	51.15	5.75	106.80
150	Wheeling, W. Va	2,892	2,110	213	309	3,341	47.03	34.32	3.46	54.32
151	Davenport, Iowa	2,400	1,695	122	937	2,558	39.60	27.97	2.01	42.22
152	Augusta, Ga	2,486	2,040	176	193	2,685	41.09	33.72	2.92	44.37
153	Medford, Mass	3,164	2,405	258	1,136	4,148	52.56	39.96	4.28	68.90
154	Lancaster, Pa	2,100	1,592	251	191	4,675	34.95	26.49	4.17	77.79
155	Charleston, W. Va	2,265	1,553	122	841	2,749	37.75	25.88	2.04	45.81
156	Hoboken, N. J	4,508	3,586	578	172	7,842	76.07	60.50	9.75	132.33
157	Chester, Pa	2,166	1,424	254	419	4,526	36.58	24.05	4.29	76.46
158	Union City, N. J	3,100	2,649	383	412	5,097	52.85	45.17	6.52	86.89
159	Madison, Wis	4,176	2,868	349	1,327	5,875	71.62	49.19	5.97	100.77
160	Malden, Mass	3,156	2,420	254	464	2,771	54.14	41.50	4.36	47.52
161	Bethlehem, Pa	2,824	1,710	354	477	6,023	48.69	29.48	6.10	103.85
162	San Jose, Calif	2,814	1,992	110	814	2,808	48.61	34.41	1.90	48.49
163	Irvington, N. J	2,717	2,058	332	455	6,502	47.26	35.79	5.77	113.09
164	Beaumont, Tex	2,340	1,553	413	985	7,515	40.84	27.10	7.22	131.15
165	Springfield, Mo	1,908	1,301	143	777	2,785	33.29	22.72	2.49	48.61
166	Decatur, Ill	2,677	1,601	299	910	2,171	46.88	28.03	5.25	38.02
167	Holyoke, Mass	4,795	3,858	225	826	4,616	84.81	68.24	3.98	81.64
168	Hamtramck, Mich	3,466	2,931	310	932	5,325	61.78	52.24	5.53	94.91
169	Cedar Rapids, Iowa	2,476	1,608	164	1,018	4,112	44.37	28.81	2.94	73.69
170	York, Pa	2,037	1,343	140	562	2,704	36.77	24.25	2.53	48.80
171	Jackson, Mich	2,857	1,987	291	491	5,402	51.67	35.94	5.25	97.68
172	East Chicago, Ind	2,373	1,820	248	562	4,958	42.98	32.97	4.49	89.82
173	Kalamazoo, Mich	3,323	2,320	197	677	2,403	60.53	42.26	3.60	43.78
174	McKeesport, Pa	2,294	1,780	184	340	2,751	41.86	32.47	3.36	50.19
175	New Rochelle, N. Y	5,576	4,284	525	4,031	11,620	102.50	78.75	9.65	213.60
176	Austin, Tex	2,602	1,677	249	1,491	5,159	48.09	31.00	4.60	95.35
177	Macon, Ga	1,948	1,491	118	269	2,459	36.21	27.72	2.20	45.71
178	Greensboro, N. C	2,937	1,351	880	1,572	12,549	55.31	25.43	16.57	236.32
179	Waco, Tex	2,188	1,501	337	2,312	5,997	41.43	28.42	6.39	113.59
180	Highland Park, Mich	4,362	3,374	415	45	5,187	82.62	63.90	7.86	98.24
181	Galveston, Tex	2,747	1,596	451	47	8,135	52.13	30.28	8.56	154.36
182	Fresno, Calif	2,859	2,414	205	139	3,951	54.46	45.99	3.90	75.25
183	Hamilton, Ohio	3,414	1,991	279	894	3,506	65.03	37.93	5.31	66.79
184	Cleveland Heights, Ohio	4,789	2,740	644	1,440	8,511	92.46	52.91	12.43	164.30
185	Durham, N. C	2,426	1,389	599	576	10,186	47.28	27.09	11.68	198.56
186	Kenosha, Wis	3,315	2,254	159	1,165	3,558	65.64	44.64	3.14	70.46
187	Columbia, S. C	1,745	1,338	276	418	3,735	34.68	26.61	5.48	74.26
188	Pueblo, Colo	2,267	1,491	235	341	2,944	45.08	29.65	4.67	58.54

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No. 215.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 120,000 Inhabitants, 1930—Continued

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
189	Asheville, N. C	3,029	1,831	1,175	356	14,582	60.47	36.55	23.44	291.05
190	Pittsfield, Mass	2,593	1,971	121	1,323	3,069	51.97	39.49	2.43	61.51
191	Port Arthur, Tex	1,578	1,203	267	339	4,318	31.81	24.25	5.38	87.06
192	Woonsocket, R. I	2,493	1,555	511	469	8,667	50.37	31.40	10.33	175.09
193	Dearborn, Mich	7,304	3,438	1,060	3,297	18,719	148.46	69.88	21.54	380.48
194	New Castle, Pa	2,007	1,527	172	215	3,263	41.13	31.28	3.53	66.87
195	Haverhill, Mass	2,737	2,324	82	462	1,516	56.19	47.72	1.68	31.11
196	Everett, Mass	2,909	2,324	232	528	2,524	59.87	47.81	4.78	51.93
197	Jackson, Miss	1,854	1,137	381	535	5,155	38.38	23.54	7.90	106.73
198	Stockton, Calif	2,735	1,934	280	1,519	5,976	56.86	40.23	5.81	124.23
199	Berwyn, Ill	2,072	1,233	414	713	1,201	43.34	25.79	8.66	25.13
200	Phoenix, Ariz	3,975	2,473	691	1,126	7,529	83.15	51.73	12.37	157.51
201	Brookline, Mass	4,511	3,172	192	1,511	2,567	94.57	66.50	4.02	53.81
202	Elmira, N. Y	2,569	2,094	171	856	3,643	54.20	44.19	3.60	76.86
203	Clifton, N. J	2,154	1,587	382	3,263	10,788	45.44	33.47	8.06	227.59
204	Bay City, Mich	2,639	1,804	228	355	3,011	55.68	38.06	4.81	63.52
205	Aurora, Ill	2,543	1,370	275	1,039	2,609	54.46	29.33	5.89	55.87
206	Muncie, Ind	1,505	1,206	66	130	1,371	32.30	25.87	1.42	29.42
207	Stamford, Conn	3,361	2,405	324	1,038	5,494	72.12	51.60	6.96	117.88
208	Chelsea, Mass	2,865	2,243	244	216	2,326	62.42	48.88	5.31	50.68
209	Williamsport, Pa	1,761	1,298	100	582	1,871	38.36	28.27	2.18	40.76
210	Lexington, Ky	1,928	1,445	131	248	1,585	42.09	31.55	2.86	34.62
211	Portsmouth, Va	1,891	1,113	511	104	7,497	41.38	24.36	11.18	164.03
212	Waterloo, Iowa	1,816	1,182	121	346	2,254	39.73	25.86	2.65	49.33
213	Jamestown, N. Y	3,522	2,265	233	1,141	4,149	77.75	50.01	5.13	91.58
214	Lorain, Ohio	2,286	1,382	270	340	2,748	51.15	30.91	6.05	61.49
215	Chicopee, Mass	2,634	2,120	112	468	1,735	59.72	48.07	2.53	39.35
216	Perth Amboy, N. J	2,373	1,800	428	734	6,289	54.43	41.30	9.80	144.25
217	Wichita Falls, Tex	2,027	1,212	479	163	7,654	46.60	27.86	11.01	175.95
218	Salem, Mass	2,478	1,908	108	385	1,845	57.10	45.33	2.49	42.50
219	Battle Creek, Mich	2,242	1,669	128	776	1,371	51.78	38.53	2.96	31.65
220	Columbus, Ga	1,537	1,178	138	1,144	3,074	35.66	27.33	3.20	71.32
221	Joliet, Ill	2,120	1,437	170	921	2,509	49.29	33.40	3.98	58.35
222	Cranston, R. I	1,495	1,082	192	441	3,218	34.86	25.22	4.49	75.01
223	Portsmouth, Ohio	2,028	1,246	395	1,152	5,674	47.50	29.17	9.26	132.88
224	Montclair, N. J	3,961	2,659	620	1,423	10,653	93.65	62.85	14.65	251.84
225	Lima, Ohio	2,251	1,296	306	137	4,782	53.21	30.64	7.23	113.06
226	Amarillo, Tex	1,297	1,262	312	626	6,342	30.82	29.97	7.41	150.64
227	Council Bluffs, Iowa	1,832	1,188	109	603	2,261	43.92	28.48	2.60	54.21
228	Dubuque, Iowa	1,886	1,201	141	485	2,784	45.34	28.87	3.38	66.93
229	Muskegon, Mich	2,810	1,743	218	1,003	3,771	67.72	42.01	5.24	90.86
230	Warren, Ohio	2,099	1,208	318	321	4,256	50.69	29.18	7.68	102.80
231	St. Petersburg, Fla	5,243	2,270	1,464	132	14,615	126.65	54.83	35.36	353.03
232	Kearney, N. J	3,186	2,157	722	1,193	13,117	77.52	52.48	17.56	319.16
233	Lynchburg, Va	1,865	1,344	244	282	3,926	45.71	32.95	5.99	96.23
234	Fitchburg, Mass	2,488	1,882	134	129	2,288	61.15	46.24	3.30	56.22
235	Ogden, Utah	1,791	1,077	225	347	3,604	44.24	26.58	5.57	88.99
236	Poughkeepsie, N. Y	2,443	2,012	260	584	5,236	60.62	49.93	6.45	129.94
237	Oshkosh, Wis	1,979	1,410	62	413	1,294	49.11	34.98	1.54	32.11
238	Anderson, Ind	2,308	1,509	67	760	1,421	57.71	37.72	1.68	35.52
239	East Cleveland, Ohio	2,765	1,737	337	509	4,150	69.13	43.44	8.41	103.74
240	La Crosse, Wis	1,900	1,149	89	324	1,259	47.74	28.87	2.24	31.64
241	Butte, Mont	1,375	1,059	141	228	1,336	34.71	26.75	3.56	33.72
242	Waltham, Mass	2,490	1,915	155	521	2,672	63.04	48.48	3.92	67.64
243	Sheboygan, Wis	2,221	1,319	51	919	686	56.37	33.47	1.30	17.40
244	Quincy, Ill	1,685	1,018	94	577	495	42.99	25.98	2.40	12.62
245	Meriden, Conn	1,910	1,345	84	300	1,671	49.48	34.83	2.19	43.29
246	Bloomfield, N. J	2,419	1,684	371	912	5,377	62.83	43.74	9.65	139.65
247	Rock Island, Ill	1,318	890	134	372	892	34.86	23.54	3.54	23.61
248	Green Bay, Wis	2,192	1,367	166	478	2,960	58.31	36.36	4.42	78.72
249	Cumberland, Md	1,417	958	234	355	4,424	37.90	25.61	6.27	118.29
250	Taunton, Mass	2,409	1,865	154	570	2,646	64.40	49.87	4.13	70.75

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No. 215.—Revenue Receipts, Governmental-Cost Payments, and Net Debt of Cities Having 30,000 to 120,000 Inhabitants, 1930—Continued

Note.—See headnote, Table 216. Cities are arranged in order of their estimated population in 1930

City number in order of size	City	Amount (thousands of dollars)					Per capita (dollars)			
		Total revenue receipts	Governmental-cost payments for—			Net debt	Total revenue receipts	Governmental-cost payments for—		Net debt
			Operation and maintenance	Interest	Outlays			Operation and maintenance	Interest	
251	West New York, N. J.	2,187	1,725	302	107	3,822	58.63	46.25	8.10	102.47
252	Raleigh, N. C.	1,660	956	348	339	5,202	44.75	25.78	9.37	140.20
253	San Bernardino, Calif.	1,491	1,006	119	318	2,414	40.19	27.13	3.21	65.07
254	Hazleton, Pa.	1,274	954	164	226	3,423	34.52	25.85	4.46	92.77
255	Auburn, N. Y.	1,656	1,291	60	262	891	45.25	35.30	1.63	24.34
256	Danville, Ill.	1,382	864	120	204	825	37.76	23.61	3.27	22.55
257	Santa Monica, Calif.	3,577	2,218	251	1,424	5,213	97.74	60.61	6.85	142.42
258	Arlington, Mass.	2,452	1,620	134	585	1,803	67.18	44.38	3.68	49.40
259	Zanesville, Ohio	1,426	969	117	226	1,413	39.07	26.54	3.19	38.72
260	White Plains, N. Y.	4,709	2,879	441	2,547	11,414	130.07	79.53	12.19	315.30
261	Superior, Wis.	1,688	1,483	96	192	1,980	46.73	41.08	2.66	54.83
262	Elgin, Ill.	1,625	973	153	462	852	45.01	26.96	4.25	23.60
263	High Point, N. C.	1,618	1,127	352	1,257	8,873	44.83	31.24	9.74	245.79
264	Norwalk, Conn.	2,063	1,449	175	1,508	3,900	57.29	40.25	4.87	108.33
265	Norristown, Pa.	1,064	801	80	214	1,566	29.65	22.31	2.22	43.63
266	Revere, Mass.	1,985	1,555	175	494	2,098	55.45	43.45	4.88	58.60
267	Steubenville, Ohio	1,651	1,229	81	293	1,075	46.39	34.52	2.27	30.20
268	Orange, N. J.	1,986	1,687	263	67	3,574	55.93	47.53	7.40	100.67
269	Watertown, Mass.	2,338	1,528	178	566	1,982	66.41	43.39	5.07	56.31
270	West Allis, Wis.	2,567	1,475	113	1,307	2,609	73.15	42.01	3.23	74.33
271	Alameda, Calif.	2,491	1,872	248	499	5,509	71.36	53.63	7.12	157.84
272	Amsterdam, N. Y.	1,884	1,384	93	372	1,715	54.14	39.77	2.68	49.29
273	Lewiston, Me.	1,072	834	59	175	1,245	30.81	23.96	1.71	35.78
274	New Brunswick, N. J.	2,260	1,760	288	468	5,496	65.31	50.87	8.31	158.85
275	Plainfield, N. J.	2,664	1,686	273	777	5,029	77.00	48.71	7.90	145.37
276	Easton, Pa.	1,815	1,263	264	117	3,850	52.62	36.62	7.65	111.59
277	Newport News, Va.	1,744	1,221	329	207	5,978	50.67	35.50	9.55	173.70
278	Paducah, Ky.	1,321	808	139	2,750	3,636	39.08	23.92	4.11	107.58
279	Mansfield, Ohio	1,711	1,081	153	271	2,113	50.93	32.18	4.55	62.88
280	Norwood, Ohio	1,502	979	184	372	2,581	44.69	29.15	5.47	76.83
281	Sioux Falls, S. Dak.	1,792	1,169	135	452	1,522	53.34	34.80	4.02	45.30
282	Joplin, Mo.	1,089	741	51	306	1,559	32.62	22.19	1.53	46.66
283	Colorado Springs, Colo.	2,986	1,737	231	605	3,734	89.66	52.17	6.93	112.13
284	Santa Barbara, Calif.	1,950	1,299	177	426	3,614	58.57	39.02	5.30	108.54
285	Elkhart, Ind.	1,347	889	111	345	2,250	40.81	26.93	3.36	68.17
286	Waukegan, Ill.	2,354	1,218	424	437	2,837	71.32	36.91	12.85	85.95
287	Kokomo, Ind.	862	774	38	273	724	26.20	23.52	1.16	22.01
288	Richmond, Ind.	1,890	1,311	38	246	465	57.97	40.21	1.15	14.27
289	Rome, N. Y.	1,495	1,092	91	217	1,870	45.99	33.61	2.79	57.55
290	Tucson, Ariz.	2,083	1,197	269	776	3,856	64.48	37.07	8.33	119.37
291	Wilmington, N. C.	1,218	884	196	234	3,882	37.74	27.38	6.08	120.30
292	Laredo, Tex.	481	385	57	293	1,121	14.95	11.95	1.76	34.80
293	Watertown, N. Y.	2,196	1,495	165	617	3,771	68.19	46.43	5.12	117.12
294	Moline, Ill.	1,596	1,010	68	407	619	49.59	31.35	2.12	19.24
295	Muskogee, Okla.	1,372	984	220	322	2,050	42.87	30.75	6.89	64.05
296	Meridian, Miss.	1,219	680	199	278	2,761	38.08	21.25	6.21	86.27
297	Pensacola, Fla.	1,250	857	213	263	3,303	39.54	27.13	6.74	104.53
298	Nashua, N. H.	1,216	926	116	110	1,597	38.62	29.40	3.68	50.71
299	Fort Smith, Ark.	1,172	732	175	144	1,416	37.20	23.22	5.56	44.96
300	Newburgh, N. Y.	1,900	1,556	117	326	2,644	60.69	49.72	3.73	84.46
301	Marion, Ohio	1,325	841	153	519	1,970	42.47	26.96	4.89	63.15
302	Port Huron, Mich.	1,755	1,141	143	342	1,919	56.42	36.68	4.61	61.71
303	Bellingham, Wash.	1,223	984	61	144	1,101	39.44	31.74	1.98	35.50
304	Baton Rouge, La.	1,135	688	185	164	3,512	36.81	22.26	6.00	113.67
305	Bloomington, Ill.	1,260	873	90	181	783	40.90	28.35	2.90	25.43
306	Hagerstown, Md.	1,469	792	265	533	6,126	47.70	25.71	8.60	198.90
307	Everett, Wash.	1,636	1,014	182	1,908	3,640	53.47	33.13	5.95	118.96
308	Newark, Ohio	1,284	785	132	750	1,884	41.95	25.62	4.33	61.55
309	Santa Ana, Calif.	1,641	1,200	87	543	1,899	54.71	40.02	2.89	63.29
310	Alton, Ill.	960	598	82	225	767	32.11	20.00	2.73	25.65

Source: Bureau of the Census, Department of Commerce.

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11. MONEY AND BANKING

No. 216.—COINAGE OF THE UNITED STATES MINTS: 1793 TO 1931

[All figures in thousands of dollars]

Period [1] or calendar year	Total	Gold	Silver	Minor	Calendar year	Total	Gold	Silver	Minor
1793–1800	2,534	1,014	1,440	79	1901	134,694	101,735	30,838	2,120
1801–1810	6,971	3,250	3,569	151	1902	79,661	47,185	30,028	2,448
1811–1820	9,328	3,166	5,970	191	1903	65,810	43,684	19,874	2,251
1821–1830	18,835	1,903	16,781	151	1904	250,782	233,402	15,696	1,684
1831–1840	46,463	18,777	27,343	342	1905	58,269	49,638	6,332	2,299
1841–1850	111,959	89,215	22,363	380	1906	92,335	78,793	10,651	2,891
1851–1855	237,390	214,142	22,972	276	1907	148,128	131,907	13,178	3,042
1856–1860	155,945	130,264	24,660	1,021	1908	145,499	131,639	12,392	1,469
1861–1865	185,015	175,093	7,146	2,775	1909	98,621	88,777	8,088	1,756
1866–1870	126,901	115,417	5,610	5,873	1910	111,505	104,724	3,744	3,037
1871–1875	201,346	168,074	31,833	1,438	1911	65,791	56,177	6,457	3,157
1876–1880	378,984	241,753	136,396	834	1912	27,417	17,499	7,341	2,577
1881–1885	390,384	243,745	142,657	3,981	1913	33,285	25,433	3,184	4,667
1886–1890	306,322	126,180	175,003	5,139	1914	61,750	53,458	6,084	2,208
1891–1895	328,759	260,169	63,861	4,729	1915	30,145	23,968	4,114	2,063
1896–1900	546,055	411,684	127,018	7,352	1916	33,743	18,525	8,881	6,338
1901–1905	589,215	475,645	102,769	10,801	1917	35,540	10	29,412	6,118
1906–1910	596,088	535,840	48,053	12,195	1918	31,446	----------	25,473	5,973
1911–1915	218,388	176,535	27,180	14,672	1919	20,778	----------	11,068	9,709
1916–1920	171,721	35,525	99,892	36,304	1920	50,214	16,990	25,057	8,167
1921–1925	826,838	535,005	281,167	10,666	1921	100,783	10,570	89,058	1,155
1926–1930	496,704	424,221	51,110	21,375	1922	165,077	80,680	84,325	72
1890	61,055	20,467	39,203	1,385	1923	114,575	45,365	66,283	2,927
1891	58,053	29,222	27,519	1,312	1924	229,947	206,010	21,627	2,310
1892	48,390	34,787	12,641	961	1925	216,457	192,380	19,874	4,203
1893	66,934	56,997	8,802	1,135	1926	102,828	78,541	19,826	4,462
1894	89,185	79,546	9,200	438	1927	141,147	125,645	11,286	4,216
1895	66,197	59,616	5,698	882	1928	189,773	177,360	8,749	3,665
1896	70,976	47,053	23,090	833	1929	54,225	40,235	8,591	5,400
1897	96,042	76,028	18,487	1,526	1930	8,731	2,440	2,658	3,632
1898	102,145	77,986	23,034	1,125	1931	61,823	60,895	621	307
1899	139,243	111,344	26,062	1,837					
1900	137,649	99,273	36,345	2,031	Total	6,013,973	4,447,518	1,425,418	141,037

[1] Figures for periods are totals, not annual averages.

No. 217.—MONEY IN CIRCULATION, BY KINDS

NOTE.—For total circulation for earlier years see Table 219

[All figures in millions and tenths of millions of dollars]

Date	Total	Gold coin	Gold certificates	Silver dollars	Silver certificates	Treasury notes of 1890	Subsidiary silver	Minor coins	United States notes	Federal reserve notes	Federal reserve bank notes	National bank notes
June 30:												
1915	3,319.6	587.5	821.9	64.5	463.1	2.2	159.0	58.5	309.8	70.8	-------	782.1
1916	3,649.3	624.9	1,050.3	66.2	476.3	2.1	171.2	63.0	328.2	149.2	1.7	716.2
1917	4,066.4	666.5	1,082.9	71.8	468.4	2.0	193.7	68.4	311.6	506.8	3.7	690.6
1918	4,481.7	537.2	511.2	77.2	370.3	1.9	216.5	75.0	291.9	1,698.2	11.0	691.4
1919	4,876.6	474.9	327.6	79.0	163.4	1.7	229.3	81.8	274.1	2,450.3	155.0	639.5
1920	5,467.6	474.8	259.0	76.7	97.6	1.7	248.9	91.0	278.1	3,064.7	185.4	689.6
1921	4,911.0	447.3	200.6	65.9	158.8	1.6	236.3	91.4	259.2	2,599.6	129.9	721.4
1922	4,463.2	415.9	173.3	58.0	265.3	1.5	229.3	89.2	292.3	2,138.7	71.9	727.7
1923	4,823.3	404.2	386.5	57.3	364.3	1.5	247.3	93.9	302.7	2,234.7	20.0	711.1
1924	4,849.3	393.3	801.4	54.0	364.4	1.4	253.0	97.0	297.8	1,843.1	10.1	733.8
1925	4,815.2	402.3	1,004.8	54.3	382.8	1.4	262.0	100.3	282.6	1,636.1	6.9	681.7
1926	4,885.3	391.7	1,057.4	51.6	377.7	1.4	270.1	104.2	294.9	1,679.4	5.5	651.5
1927	4,851.3	385.0	1,007.1	48.7	375.8	1.3	275.6	108.1	292.2	1,702.8	4.6	650.1
1928	4,796.6	377.0	1,019.1	46.2	384.6	1.3	278.2	111.1	298.4	1,626.4	4.0	650.2
1929	4,746.3	368.5	935.0	43.7	387.1	1.3	284.2	115.2	262.2	1,692.7	3.6	652.8
1930	4,522.0	357.2	994.8	38.6	386.9	1.3	281.2	117.4	288.4	1,402.1	3.2	650.8
1931	4,821.9	363.0	996.5	34.3	377.1	1.2	273.1	117.4	299.4	1,708.4	2.9	648.4
Dec. 31:												
1930	4,890.1	368.4	1,117.6	36.8	403.9	1.2	281.1	118.7	295.5	1,640.5	3.0	623.2
1931	5,646.8	408.6	876.8	32.8	389.1	1.2	270.6	117.2	287.8	2,603.5	2.8	656.4

Source: Treasury Department.

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No. 218.—STOCK OF MONEY IN THE UNITED STATES, BY KINDS

NOTE.—Amounts in thousands of dollars. Figures prior to 1890 have been revised from the best available data, but the older records, especially from 1860 through the early 70's, are not complete and figures for gold and silver those years are only estimates. Figures beginning 1890 have been compiled on the basis of revised figures for June 30 of each year and therefore differ slightly from the monthly circulation statements. In 1927, data were revised to include minor coins beginning 1900 (no satisfactory data available for earlier years) and gold coin and bullion held abroad for Federal reserve banks and to exclude earmarked gold. Gold and silver certificates and Treasury notes of 1890 are not shown, since equivalent amounts held in trust against them are included in gold coin and bullion and silver dollars

June 30 (except as indicated)	Total	Gold coin and bullion [1]	Silver dollars	Subsidiary silver	United States notes	Fractional paper currency [2]	Other United States currency	State-bank notes	National-bank notes	Percentage of gold to total money
1860	442, 102	214, 000	-------	21, 000	-------	-------	-------	207, 102	-------	48. 41
1865	1, 180, 197	189, 000	-------	9, 500	431, 066	25, 006	236, 567	142, 920	146, 138	16. 01
1870	899, 876	189, 500	-------	10, 000	356, 000	39, 879	2, 507	2, 223	299, 767	21. 06
1875	925, 702	121, 135	[3] 2, 743	28, 000	375, 772	42, 129	551	964	354, 408	13. 09
1880	1, 185, 550	351, 841	69, 660	72, 862	346, 681	-------	-------	-------	344, 505	29. 68
1881	1, 349, 592	478, 485	95, 297	74, 087	346, 681	-------	-------	-------	355, 043	35. 45
1882	1, 409, 398	506, 758	122, 789	74, 429	346, 681	-------	-------	-------	358, 742	35. 96
1883	1, 472, 494	542, 732	152, 048	74, 960	346, 681	-------	-------	-------	356, 073	36. 86
1884	1, 487, 250	545, 501	180, 307	75, 262	346, 681	-------	-------	-------	339, 500	36. 68
1885	1, 537, 434	588, 697	208, 539	74, 940	346, 681	-------	-------	-------	318, 577	38. 29
1886	1, 561, 408	590, 774	237, 192	75, 061	346, 681	-------	-------	-------	311, 699	37. 84
1887	1, 633, 413	654, 520	277, 446	75, 548	346, 681	-------	-------	-------	279, 218	40. 07
1888	1, 691, 441	705, 819	310, 166	76, 406	346, 681	-------	-------	-------	252, 368	41. 73
1889	1, 658, 672	680, 064	343, 947	76, 602	346, 681	-------	-------	-------	211, 379	41. 00
1890	1, 685, 123	695, 563	380, 083	76, 825	346, 681	-------	-------	-------	185, 971	41. 28
1891	1, 677, 794	646, 583	438, 754	77, 849	346, 681	-------	-------	-------	167, 928	38. 54
1892	1, 752, 219	664, 275	491, 058	77, 521	346, 681	-------	-------	-------	172, 684	37. 91
1893	1, 738, 808	597, 698	538, 301	77, 415	346, 681	-------	-------	-------	178, 714	34. 37
1894	1, 805, 079	627, 293	548, 000	76, 250	346, 681	-------	-------	-------	206, 855	34. 75
1895	1, 819, 360	636, 256	547, 777	76, 954	346, 681	-------	-------	-------	211, 691	34. 97
1896	1, 799, 975	599, 598	551, 724	75, 972	346, 681	-------	-------	-------	226, 001	33. 31
1897	1, 906, 770	696, 239	556, 590	75, 818	346, 681	Minor coins	-------	-------	231, 442	36. 51
1898	2, 073, 574	861, 515	561, 351	76, 128	346, 681	-------	-------	-------	227, 900	41. 55
1899	2, 190, 094	963, 498	563, 697	74, 867	346, 681	-------	-------	-------	241, 351	43. 99
1900	2, 336, 220	1, 034, 384	566, 131	82, 864	346, 681	26, 520	-------	-------	309, 640	43. 71
1901	2, 511, 472	1, 124, 639	568, 183	89, 823	346, 681	28, 404	-------	-------	353, 742	44. 78
1902	2, 593, 910	1, 192, 595	570, 135	97, 184	346, 681	30, 643	-------	-------	356, 672	45. 98
1903	2, 717, 646	1, 248, 682	573, 643	102, 035	346, 681	32, 935	-------	-------	413, 671	45. 95
1904	2, 838, 023	1, 327, 656	572, 870	107, 062	346, 681	34, 519	-------	-------	449, 235	46. 78
1905	2, 919, 494	1, 357, 656	568, 229	114, 824	346, 681	36, 384	-------	-------	495, 720	46. 50
1906	3, 109, 380	1, 475, 707	568, 252	118, 225	346, 681	39, 403	-------	-------	561, 112	47. 46
1907	3, 158, 111	1, 466, 389	568, 250	130, 452	346, 681	42, 550	-------	-------	603, 789	46. 43
1908	3, 423, 068	1, 618, 133	568, 260	147, 356	346, 681	44, 304	-------	-------	698, 334	47. 27
1909	3, 451, 521	1, 642, 042	568, 277	159, 409	346, 681	45, 193	-------	-------	689, 920	47. 57
1910	3, 466, 856	1, 636, 043	568, 278	155, 159	346, 681	47, 264	-------	-------	713, 431	47. 19
1911	3, 606, 989	1, 753, 197	568, 279	159, 607	346, 681	51, 028	Federal reserve notes	Federal reserve bank notes	728, 195	48. 61
1912	3, 701, 965	1, 818, 188	568, 278	170, 589	346, 681	53, 094			745, 135	49. 11
1913	3, 777, 021	1, 870, 762	568, 273	175, 196	346, 681	56, 951			759, 158	49. 53
1914	3, 797, 825	1, 890, 657	568, 272	182, 007	346, 681	59, 536			750, 672	49. 78
1915	4, 050, 783	1, 985, 539	568, 272	185, 430	346, 681	61, 327	84, 261	-------	819, 274	49. 02
1916	4, 541, 730	2, 444, 668	568, 270	188, 858	346, 681	63, 909	176, 168	9, 000	744, 175	53. 83
1917	5, 678, 774	3, 220, 242	568, 270	198, 275	346, 681	69, 688	547, 408	12, 790	715, 420	56. 71
1918	6, 906, 237	3, 162, 808	499, 516	231, 857	346, 681	78, 146	1, 847, 580	15, 444	724, 205	45. 80
1919	7, 688, 413	3, 113, 306	308, 146	242, 870	346, 681	82, 909	2, 687, 557	187, 667	719, 277	40. 49
1920	8, 158, 496	2, 865, 482	268, 857	258, 855	346, 681	92, 479	3, 405, 877	201, 226	719, 038	35. 12
1921	8, 174, 528	3, 274, 730	288, 788	271, 314	346, 681	98, 522	3, 000, 430	150, 772	743, 290	40. 06
1922	8, 276, 070	3, 784, 652	381, 174	271, 211	346, 681	98, 593	2, 555, 062	80, 495	758, 202	45. 73
1923	8, 702, 788	4, 049, 554	491, 887	269, 186	346, 681	99, 056	2, 676, 902	22, 083	747, 440	46. 53
1924	8, 846, 542	4, 488, 391	503, 755	277, 614	346, 681	102, 445	2, 339, 048	10, 596	778, 012	50. 74
1925	8, 303, 632	4, 364, 632	522, 061	283, 472	346, 681	104, 004	1, 942, 240	7, 176	733, 366	52. 56
1926	8, 428, 971	4, 447, 397	533, 491	288, 923	346, 681	108, 891	1, 995, 206	5, 713	702, 669	52. 76
1927	8, 667, 282	4, 587, 298	537, 944	295, 590	346, 681	113, 295	2, 077, 473	4, 854	704, 146	52. 93
1928	8, 118, 091	4, 109, 163	539, 962	299, 010	346, 681	116, 689	2, 002, 811	4, 155	699, 621	50. 62
1929	8, 538, 796	4, 324, 351	539, 961	304, 187	346, 681	120, 640	2, 194, 970	3, 711	704, 294	50. 64
1930	8, 306, 564	4, 534, 866	539, 960	310, 978	346, 681	126, 001	1, 746, 501	3, 260	698, 317	54. 59
1931	9, 079, 623	4, 955, 921	539, 958	308, 619	346, 681	126, 887	2, 101, 578	2, 974	697, 004	54. 58
Dec. 31:										
1930	8, 713, 875	4, 593, 488	539, 959	311, 707	346, 681	126, 902	2, 093, 625	3, 078	698, 437	52. 71
1931	9, 421, 225	4, 460, 099	539, 958	308, 313	346, 681	126, 659	2, 926, 039	2, 863	710, 612	47. 34

[1] Does not include gold bullion and foreign coin outside of the vaults of the Treasury, Federal reserve banks, and Federal reserve agents.

[2] There has been no fractional currency in actual circulation to any extent since 1878.

[3] Silver bullion in Treasury.

Source: Treasury Department.

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No. 219.—MONEY IN CIRCULATION, HELD IN TREASURY AND IN FEDERAL RESERVE SYSTEM, AND TOTAL STOCK

NOTE.—**All figures except per capita in thousands of dollars.** In conformity with revisions in the form of circulation statement in 1922 and 1927, figures for 1915 on have been compiled to include in the holdings of Federal reserve banks and agents, and, hence, in stock of money, gold bullion and foreign coin held by them and gold coin and bullion held abroad for the account of Federal reserve banks, and also to include in the holdings of Federal reserve banks and agents, and, hence, exclude from circulation, all forms of money held by them whether as reserve against Federal reserve notes or otherwise. As to other revisions, see headnote, Table 218. Per capita figures are on basis of population estimates of the Treasury Department

June 30 (except as indicated)	Stock of money in the United States	Money held in the Treasury					Money outside of the Treasury		
		Total	In trust against gold and silver certificates [1]	Reserve against United States notes [1]	Held for Federal reserve banks and agents	All other money	Held by Federal reserve banks and agents	In circulation	
								Amount	Per capita (dollars)
1800	28,000	1,500				1,500		26,500	4.99
1810	58,000	3,000				3,000		55,000	7.60
1820	69,100	2,000				2,000		67,100	6.96
1830	93,100	5,756				5,756		87,344	6.78
1840	189,969	3,664				3,664		186,305	10.91
1850	285,367	6,605				6,605		278,762	12.02
1860	442,102	6,695				6,695		[3] 435,407	13.85
1865	1,180,197	96,657				96,657		1,083,541	31.18
1870	899,876	156,994	32,085			124,910		774,966	20.10
1875	925,702	109,461	17,549			91,912		833,789	18.97
1880	1,185,550	225,922	13,753	100,000		112,168		973,382	19.41
1885	1,537,434	473,126	228,261	100,000		144,865		1,292,569	23.02
1890	1,685,123	684,259	428,387	100,000		155,872		1,429,251	22.82
1891	1,677,794	648,001	467,648	100,000		80,353		1,497,441	23.45
1892	1,752,219	716,918	566,046	100,000		50,872		1,601,347	24.60
1893	1,738,808	702,429	560,322	96,520		45,587		1,596,701	24.07
1894	1,805,079	672,282	528,012	64,977		79,294		1,660,809	24.56
1895	1,819,360	701,339	483,947	100,000		117,391		1,601,968	23.24
1896	1,799,975	761,441	467,901	100,000		193,540		1,506,435	21.44
1897	1,906,770	744,391	478,604	100,000		165,787		1,640,983	22.92
1898	2,073,574	759,959	524,245	100,000		135,715		1,837,860	25.19
1899	2,190,094	813,376	527,354	100,000		186,022		1,904,072	25.62
1900	2,366,220	969,492	684,503	150,000		134,990		2,081,231	27.28
1901	2,511,472	1,032,479	724,204	150,000		158,274		2,203,198	28.34
1902	2,593,910	1,097,555	782,759	150,000		164,796		2,279,114	28.81
1903	2,717,646	1,168,982	851,068	150,000		167,914		2,399,732	29.82
1904	2,838,023	1,224,813	939,696	150,000		135,117		2,552,906	31.18
1905	2,919,494	1,245,501	949,347	150,000		146,153		2,623,340	31.51
1906	3,109,380	1,330,109	995,419	150,000		184,690		2,774,690	32.77
1907	3,158,111	1,420,507	1,076,259	150,000		194,247		2,813,863	32.69
1908	3,423,068	1,597,132	1,253,219	150,000		193,913		3,079,155	35.19
1909	3,451,521	1,599,621	1,296,926	150,000		152,695		3,148,826	35.41
1910	3,466,856	1,603,186	1,285,014	150,000		168,172		3,148,684	34.84
1911	3,606,989	1,731,084	1,387,149	150,000		193,936		3,263,053	34.72
1912	3,701,965	1,782,320	1,415,576	150,000		216,744		3,335,220	34.87
1913	3,777,021	1,834,112	1,475,783	150,000		208,329		3,418,692	35.12
1914	3,797,825	1,845,570	1,507,179	150,000		188,391		3,459,434	34.93
1915	4,050,783	1,967,665	1,619,429	152,977		195,259	382,965	3,319,582	32.96
1916	4,541,730	2,356,536	2,057,409	152,979		146,147	593,345	3,649,258	35.03
1917	5,678,774	2,859,396	2,063,391	152,979	526,295	116,731	816,365	4,066,404	39.05
1918	6,906,237	2,976,251	1,407,694	152,979	1,205,082	210,496	855,984	4,481,697	42.33
1919	7,688,413	2,907,812	906,673	152,979	1,416,086	432,074	810,636	4,876,638	45.95
1920	8,158,496	2,379,664	704,638	152,979	1,184,276	337,771	1,015,881	5,467,589	[3] 51.38
1921	8,174,528	2,921,089	919,643	152,979	1,537,857	310,610	1,262,089	4,910,992	[3] 45.29
1922	8,276,070	3,515,583	1,000,578	152,979	2,108,887	253,139	1,297,893	4,463,172	[3] 40.61
1923	8,702,788	3,821,846	1,150,168	152,979	2,285,170	233,529	1,207,836	4,823,275	[3] 43.18
1924	8,846,542	4,248,438	1,628,139	152,979	2,260,891	206,429	1,376,935	4,849,307	[3] 42.64
1925	8,303,632	4,176,381	2,059,799	153,621	1,752,744	210,217	1,371,841	4,815,208	[3] 41.73
1926	8,428,971	4,210,358	2,139,770	154,189	1,717,348	199,050	1,473,118	4,885,266	[3] 41.71
1927	8,667,282	4,159,056	2,096,205	155,421	1,712,003	195,427	1,753,110	4,851,321	[3] 40.90
1928	8,118,091	3,725,650	1,986,761	156,039	1,387,650	195,199	1,582,576	4,796,626	[3] 39.97
1929	8,538,796	3,789,886	1,854,373	156,039	1,562,426	217,049	1,856,986	4,746,297	[3] 39.08
1930	8,306,564	4,021,937	1,978,448	156,039	1,796,239	91,211	1,741,087	4,521,988	36.71
1931	9,079,624	4,227,735	2,196,103	156,039	1,776,690	98,902	2,226,059	4,821,933	38.86
Dec. 31:									
1930	8,713,875	4,053,168	2,280,859	156,039	1,526,869	89,401	2,051,443	4,890,123	39.41
1931	9,421,225	4,089,914	2,246,928	156,039	1,564,819	122,129	1,931,465	5,646,773	45.34

[1] Both of these items include also reserve against Treasury notes of 1890. The first should be deducted from the totals for money held in the Treasury before combining them with total money outside of the Treasury to arrive at the stock of money in the United States.

[2] Includes total stock of silver dollars and subsidiary silver.

[3] Based on Treasury estimates of population revised in accordance with 1930 census enumeration.

Source: Treasury Department.

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No. 220.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF ASSETS

[All figures in thousands of dollars]

Bank and date	Total assets	Reserves		Reserve bank credit outstanding				
		Total	Gold	Total [1]	Total bills and securities [2]	Bills discounted	Bills bought in open market	United States securities
All banks:								
Dec. 31, 1915	696,746	555,430	512,709	(3)	84,180	32,300	23,724	15,856
Dec. 31, 1920	6,254,104	2,250,399	2,059,486	3,323,560	3,234,828	2,697,303	260,406	287,029
Dec. 31, 1922	5,251,969	3,176,872	3,047,398	1,148,706	1,326,996	617,780	272,122	436,155
Dec. 31, 1923	5,066,395	3,168,934	3,080,032	1,238,928	1,211,332	723,068	354,667	133,566
Dec. 31, 1924	5,096,380	3,047,054	2,936,533	1,302,336	1,249,438	314,128	387,109	540,160
Dec. 31, 1925	5,109,404	2,824,371	2,762,315	1,459,772	1,396,122	636,193	374,356	374,568
Dec. 31, 1926	5,150,081	2,947,853	2,818,539	1,380,963	1,335,055	636,628	380,986	314,820
Dec. 31, 1927	5,345,586	2,867,151	2,733,187	1,654,541	1,590,938	581,503	392,039	616,516
Dec. 31, 1928	5,351,543	2,708,940	2,584,232	1,806,679	1,783,495	1,056,466	489,079	228,064
Dec. 31, 1929	5,466,415	3,010,928	2,857,051	1,581,992	1,547,517	632,421	392,209	510,587
June 30, 1930	4,849,615	3,174,170	3,012,172	1,017,578	995,876	271,828	127,838	590,909
Dec. 31, 1930	5,200,648	3,081,517	2,941,219	1,373,332	1,351,852	251,398	363,844	729,467
June 30, 1931	5,153,666	3,575,749	3,408,684	943,022	931,586	149,161	105,502	667,935
Dec. 31, 1931	5,672,325	3,157,662	2,988,892	1,853,402	1,825,088	638,293	338,687	816,960
Boston:								
Dec. 31, 1928	408,104	189,707	171,951	134,120	132,036	69,244	54,619	8,173
Dec. 31, 1929	460,831	283,984	267,212	85,263	83,372	26,644	29,878	25,850
Dec. 31, 1930	376,727	211,365	201,269	96,851	89,328	13,238	25,315	49,925
Dec. 31, 1931	443,253	230,799	215,444	141,095	139,708	43,205	33,431	61,002
New York:								
Dec. 31, 1928	1,640,122	738,738	716,698	679,767	665,771	463,980	152,414	49,377
Dec. 31, 1929	1,662,216	800,242	749,860	625,545	609,860	171,759	191,745	239,206
Dec. 31, 1930	1,790,181	1,047,001	1,007,122	510,990	506,353	61,898	158,273	283,332
Dec. 31, 1931	1,737,909	881,477	843,738	646,929	637,015	149,951	163,393	309,356
Philadelphia:								
Dec. 31, 1928	371,327	185,584	179,131	127,884	121,995	84,314	16,234	21,447
Dec. 31, 1929	398,019	216,192	203,721	120,277	117,123	65,777	8,540	41,806
Dec. 31, 1930	301,515	247,426	238,552	86,587	83,973	25,663	3,496	54,204
Dec. 31, 1931	490,445	242,941	227,704	197,375	194,739	116,412	4,065	68,652
Cleveland:								
Dec. 31, 1928	509,787	250,525	238,839	178,219	178,041	92,702	52,377	32,962
Dec. 31, 1929	475,005	262,877	254,259	132,723	131,197	76,719	23,499	29,479
Dec. 31, 1930	483,337	286,567	278,471	130,357	127,072	37,216	25,931	62,925
Dec. 31, 1931	569,004	338,076	324,989	174,190	171,421	92,609	5,561	73,251
Richmond:								
Dec. 31, 1928	222,074	90,698	82,369	67,861	66,357	38,561	24,369	3,427
Dec. 31, 1929	235,137	105,207	99,377	64,750	61,834	38,939	13,336	9,559
Dec. 31, 1930	216,941	120,124	113,220	49,669	47,609	22,766	10,936	13,907
Dec. 31, 1931	214,351	101,455	94,360	66,299	63,257	33,377	10,999	19,081
Atlanta:								
Dec. 31, 1928	238,882	127,709	118,346	79,610	80,277	41,020	32,002	7,255
Dec. 31, 1929	250,843	153,516	139,591	59,229	58,488	29,347	19,196	9,945
Dec. 31, 1930	228,101	159,425	150,847	42,043	42,301	18,069	15,755	7,977
Dec. 31, 1931	201,896	115,622	109,561	63,075	62,925	34,902	13,235	13,938
Chicago:								
Dec. 31, 1928	807,210	475,675	463,910	227,340	221,147	146,519	39,078	35,850
Dec. 31, 1929	779,667	453,709	441,048	224,984	220,575	112,668	37,561	68,846
Dec. 31, 1930	632,857	375,462	353,871	167,969	165,777	22,804	52,370	89,903
Dec. 31, 1931	929,290	625,870	596,593	228,447	225,569	74,496	42,052	105,531
St. Louis:								
Dec. 31, 1928	197,897	93,348	77,926	64,413	67,917	35,539	11,335	21,043
Dec. 31, 1929	228,276	125,463	116,882	55,115	57,035	17,938	9,891	29,266
Dec. 31, 1930	196,820	113,632	104,329	46,380	48,472	11,301	10,788	26,383
Dec. 31, 1931	188,112	101,816	88,953	56,492	57,668	16,886	12,823	27,999
Minneapolis:								
Dec. 31, 1928	147,192	88,160	85,650	40,164	38,857	4,495	21,820	10,907
Dec. 31, 1929	148,839	95,197	92,466	34,863	33,806	10,177	6,636	16,873
Dec. 31, 1930	124,264	65,669	64,411	40,128	39,522	3,576	8,411	27,302
Dec. 31, 1931	137,585	79,908	74,276	44,138	43,471	17,571	7,329	27,668
Kansas City:								
Dec. 31, 1928	213,276	124,420	118,664	43,760	43,252	31,143	96	10,513
Dec. 31, 1929	226,462	137,891	131,719	44,967	40,907	29,649	8,195	3,063
Dec. 31, 1930	199,078	99,571	92,371	63,609	59,624	15,042	12,971	31,611
Dec. 31, 1931	194,416	105,436	97,771	60,468	58,500	27,726	11,666	18,708
Dallas:								
Dec. 31, 1928	163,062	76,664	71,667	51,512	53,089	11,161	25,420	10,008
Dec. 31, 1929	153,089	71,149	66,803	47,668	47,378	13,291	9,209	24,878
Dec. 31, 1930	122,218	53,528	46,402	43,652	44,233	4,342	8,575	31,316
Dec. 31, 1931	126,954	61,975	54,029	43,740	43,299	10,416	3,019	29,864
San Francisco:								
Dec. 31, 1928	432,610	268,262	259,681	114,629	114,446	37,788	59,306	17,102
Dec. 31, 1929	440,661	305,519	294,113	86,628	85,942	39,513	34,613	11,816
Dec. 31, 1930	438,609	298,747	290,354	96,097	97,588	15,483	31,023	51,082
Dec. 31, 1931	439,110	272,287	263,474	131,314	127,436	30,742	32,014	62,810

[1] Includes in addition to total bills and securities, amounts due from foreign banks and reserve bank float.
[2] Includes United States and other securities.
[3] Not available.

Source: Federal Reserve Board.

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No. 221.—FEDERAL RESERVE BANKS: PRINCIPAL ITEMS OF LIABILITIES

[All figures except reserve percentages in thousands of dollars]

Bank and date	Capital	Surplus	Deposit liability			Federal reserve note circulation [1]	Reserve percentage
			Total	Members' reserve	Other deposits		
All Banks:							
Dec. 31, 1915	54,914		[2] 401,326	[2] 401,175	151	188,817	94.1
Dec. 31, 1920	99,821	202,036	1,861,498	1,780,679	80,819	3,336,281	43.3
Dec. 31, 1922	107,271	218,369	1,973,532	1,933,888	39,644	2,395,789	72.7
Dec. 31, 1923	110,145	220,915	1,959,579	1,898,315	61,264	2,246,673	75.3
Dec. 31, 1924	112,038	217,837	2,310,668	2,220,436	90,232	1,862,062	73.0
Dec. 31, 1925	117,237	220,310	2,257,388	2,212,098	45,290	1,838,164	69.0
Dec. 31, 1926	124,814	228,775	2,275,979	2,194,094	81,885	1,850,827	71.4
Dec. 31, 1927	132,481	233,319	2,530,640	2,486,777	43,863	1,789,867	66.4
Dec. 31, 1928	146,936	254,398	2,439,686	2,388,964	50,722	1,838,194	63.3
Dec. 31, 1929	170,973	276,936	2,413,675	2,355,263	58,412	1,909,723	69.6
June 30, 1930	169,723	276,936	2,455,225	2,389,070	66,155	1,423,772	81.8
Dec. 31, 1930	169,640	274,636	2,517,133	2,470,583	46,550	1,663,538	73.7
June 30, 1931	168,188	274,636	2,503,655	2,380,518	123,137	1,723,434	84.6
Dec. 31, 1931	160,568	259,421	2,124,874	1,961,410	163,464	2,624,471	66.5
Boston:							
Dec. 31, 1928	10,156	19,619	147,848	146,177	1,671	161,292	61.4
Dec. 31, 1929	11,592	21,751	144,042	141,547	2,495	206,558	81.0
Dec. 31, 1930	11,877	21,299	152,255	150,936	1,319	132,035	74.3
Dec. 31, 1931	11,749	20,039	157,829	149,287	8,542	194,460	65.5
New York:							
Dec. 31, 1928	50,124	71,282	988,777	970,895	17,882	354,183	55.0
Dec. 31, 1929	67,301	80,001	1,004,370	985,791	18,579	318,971	60.5
Dec. 31, 1930	65,578	80,575	1,077,847	1,062,276	15,571	384,976	71.6
Dec. 31, 1931	61,639	75,077	862,068	795,065	67,053	574,186	61.4
Philadelphia:							
Dec. 31, 1928	14,536	24,101	135,188	133,515	1,673	142,949	66.7
Dec. 31, 1929	16,467	26,965	136,121	133,193	2,928	162,344	72.4
Dec. 31, 1930	16,793	27,065	144,604	142,539	2,065	153,727	82.9
Dec. 31, 1931	16,600	26,486	135,490	123,939	11,551	269,372	60.0
Cleveland:							
Dec. 31, 1928	14,419	26,345	185,498	182,774	2,724	216,890	62.3
Dec. 31, 1929	15,632	29,141	177,976	173,739	4,237	188,198	71.8
Dec. 31, 1930	15,813	28,971	191,889	186,377	5,512	194,948	74.1
Dec. 31, 1931	14,630	27,640	165,102	147,646	17,456	320,335	69.6
Richmond:							
Dec. 31, 1928	6,154	12,399	66,583	64,705	1,878	86,339	58.9
Dec. 31, 1929	6,072	12,496	67,309	64,742	2,567	98,670	63.4
Dec. 31, 1930	5,801	12,114	61,673	60,820	853	100,515	74.1
Dec. 31, 1931	5,478	11,483	52,570	47,256	5,314	109,347	62.7
Atlanta:							
Dec. 31, 1928	5,231	10,554	65,742	63,385	2,357	134,966	63.6
Dec. 31, 1929	5,384	10,857	65,763	62,895	2,868	143,084	73.5
Dec. 31, 1930	5,346	10,857	62,911	61,014	1,897	133,854	81.0
Dec. 31, 1931	5,158	10,449	51,354	46,368	4,986	120,626	67.2
Chicago:							
Dec. 31, 1928	18,478	36,442	347,172	343,099	4,073	323,590	70.9
Dec. 31, 1929	20,013	40,094	336,484	331,302	5,182	304,538	70.8
Dec. 31, 1930	20,145	39,936	365,152	360,832	4,320	139,162	74.5
Dec. 31, 1931	18,011	38,411	298,334	283,976	14,358	519,471	76.5
St. Louis:							
Dec. 31, 1928	5,408	10,820	85,555	83,560	1,995	64,463	62.2
Dec. 31, 1929	5,268	10,877	81,495	79,771	1,724	94,744	71.2
Dec. 31, 1930	5,053	10,562	71,351	69,521	1,830	84,599	72.9
Dec. 31, 1931	4,693	10,025	65,840	59,456	6,384	86,941	66.6
Minneapolis:							
Dec. 31, 1928	3,009	7,082	57,911	56,067	1,844	65,274	71.6
Dec. 31, 1929	3,091	7,143	59,398	56,861	2,537	66,856	75.4
Dec. 31, 1930	3,063	7,144	49,998	48,447	1,551	53,558	66.3
Dec. 31, 1931	2,951	6,356	49,912	45,827	4,085	69,130	67.1
Kansas City:							
Dec. 31, 1928	4,224	9,086	92,199	89,991	2,208	70,663	76.4
Dec. 31, 1929	4,286	9,162	88,289	86,408	1,881	89,434	77.6
Dec. 31, 1930	4,311	8,702	89,529	87,705	1,824	68,424	63.0
Dec. 31, 1931	4,185	8,124	79,028	75,229	3,799	82,711	65.2
Dallas:							
Dec. 31, 1928	4,329	8,690	72,448	71,017	1,431	48,585	63.3
Dec. 31, 1929	4,453	8,935	65,266	63,697	1,569	46,947	63.4
Dec. 31, 1930	4,356	8,936	58,498	57,533	965	31,901	59.2
Dec. 31, 1931	4,135	7,624	52,872	48,811	4,061	46,813	62.2
San Francisco:							
Dec. 31, 1928	10,868	17,978	194,765	183,779	10,986	169,000	73.7
Dec. 31, 1929	11,414	19,514	187,162	175,317	11,845	189,379	81.1
Dec. 31, 1930	11,504	18,475	191,426	182,583	8,843	185,839	79.2
Dec. 31, 1931	11,339	17,707	154,475	138,600	15,875	231,079	70.6

[1] Federal reserve bank notes outstanding (net liability) on Dec. 31, 1920, $216,641,000; 1922, $2,770,000; 1923, $471,000. None outstanding on other dates shown.

[2] Net deposits.

[3] Due to member banks—net.

Source: Federal Reserve Board.

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No. 222.—FEDERAL RESERVE BANKS: Holdings of Acceptances Bought in Open Market and from Other Federal Reserve Banks, as of December 31

Note.—All figures in thousands of dollars. "All other bankers' acceptances" includes bills payable in foreign currencies in 1924 to 1931

Bank and year	Total	Bankers' acceptances, based on—							Trade acceptances, total
		Total	Imports	Exports	Goods stored abroad or in transit	Domestic transactions	Dollar exchange	All other	
All F. R. banks:									
1922	272,122	270,944		194,771		65,280	9,743	1,150	1,178
1923	354,637	351,974		240,868		90,445	20,452	209	2,663
1924	387,100	386,873		284,620		94,556	6,882	815	227
1925	374,356	373,139		301,191		63,846	6,112	1,990	1,217
1926	380,986	379,728	131,907	120,335	37,714	77,698	8,434	3,640	1,258
1927	392,039	391,337	84,624	118,210	81,242	95,795	6,195	5,271	702
1928	489,069	488,532	108,431	131,386	143,123	90,664	8,707	6,221	537
1929	392,209	392,209	55,506	77,068	146,381	94,222	15,562	2,970	-------
1930	363,844	363,844	38,672	58,071	131,502	81,121	12,341	42,137	-------
1931	338,687	338,687	43,047	55,247	103,582	84,009	13,675	39,127	-------
Boston	33,431	33,431	5,936	8,761	7,047	4,891	2,813	3,983	-------
New York	163,393	163,393	20,825	21,492	59,517	41,964	6,515	13,080	-------
Philadelphia	4,065	4,065	246	---------	149	349	---------	3,321	-------
Cleveland	5,561	5,561	233	759	578	599	---------	3,392	-------
Richmond	10,099	10,099	1,271	1,532	2,620	1,926	738	2,012	-------
Atlanta	13,235	13,235	1,796	3,022	1,445	5,713	32	1,227	-------
Chicago	42,052	42,052	4,713	6,994	13,971	10,207	1,417	4,750	-------
St. Louis	12,823	12,823	1,391	2,533	2,587	4,572	575	1,165	-------
Minneapolis	7,329	7,329	1,050	1,687	904	1,799	1,155	734	-------
Kansas City	11,666	11,666	1,942	1,867	2,925	3,764	100	1,068	-------
Dallas	3,019	3,019	1,058	589	298	56	10	1,008	-------
San Francisco	32,014	32,014	2,586	6,011	11,541	8,169	320	3,387	-------

No. 223.—FEDERAL RESERVE BANKS: Holdings of United States Securities, as of December 31

[All figures in millions and tenths of millions of dollars]

Bank and year	Total	Bonds	Notes	Certificates[1]	Bank and year	Total	Bonds	Notes	Certificates[1]
All F. R. banks:					Atlanta:				
1922	436.2	28.9	180.4	226.9	1929	9.9	1.2	3.4	5.4
1923	133.6	29.5	87.0	17.1	1930	7.9	.5	4.4	3.0
1924	540.2	75.3	349.4	115.5	1931	13.9	6.5	.4	7.0
1925	374.6	60.8	187.1	126.7	Chicago:				
1926	314.8	48.0	87.4	179.5	1929	68.8	25.4	12.2	31.2
1927	616.5	291.0	68.9	256.7	1930	89.6	30.9	22.5	36.2
1928	228.1	58.9	106.0	68.2	1931	105.5	53.4	2.9	49.3
1929	510.6	76.8	215.6	218.2	St. Louis:				
1930	729.5	163.8	226.5	339.2	1929	29.3	3.0	12.8	13.5
1931	817.0	360.4	33.0	423.6	1930	26.4	1.2	15.1	10.1
Boston:					1931	27.1	11.4	.8	14.9
1929	25.9	3.6	6.1	16.2	Minneapolis:				
1930	49.9	3.9	18.0	28.1	1929	16.9	6.0	5.7	5.2
1931	61.0	27.9	2.0	31.1	1930	27.3	5.9	10.2	11.2
New York:					1931	27.7	15.8	.6	11.2
1929	239.2	17.0	131.4	90.8	Kansas City:				
1930	283.3	89.2	58.3	135.8	1929	3.1	---------	.3	2.8
1931	309.4	114.7	18.3	176.4	1930	31.6	2.1	11.6	18.0
Philadelphia:					1931	18.7	7.7	.5	10.5
1929	41.8	3.7	13.8	24.3	Dallas:				
1930	54.2	3.3	22.5	28.4	1929	24.9	9.5	5.8	9.7
1931	68.7	33.7	1.8	33.1	1930	31.3	11.4	7.8	12.1
Cleveland:					1931	29.9	18.0	.5	11.3
1929	29.5	4.1	12.2	13.2	San Francisco:				
1930	62.9	3.6	29.3	30.0	1929	11.8	---------	10.6	1.2
1931	73.3	31.3	2.3	39.6	1930	51.1	9.8	22.1	19.2
Richmond:					1931	62.8	32.1	2.4	28.4
1929	9.6	3.4	1.4	4.7					
1930	13.9	2.0	4.7	7.2					
1931	19.1	7.8	.6	10.7					

[1] Includes Treasury bills amounting to $56,250,000 in 1929, $24,182,000 in 1930, and $152,354,000 in 1931.

Source of Tables 222 and 223: Federal Reserve Board.

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No. 224.—FEDERAL RESERVE BANKS: Holdings of Discounted Bills by Classes and Maturities

NOTE.—All figures in thousands of dollars. Figures by maturities in certain years are for an earlier date than those by classes and in such cases the totals may differ materially

Bank and date	Total (all classes)	Rediscounted bills				Member bank collateral notes	
		Commercial and agricultural paper, not elsewhere specified	Bankers' acceptances	Trade acceptances	Paper secured by U. S. Government obligations	Secured by U. S. Government obligations	Otherwise secured
All Federal reserve banks:							
Dec. 26, 1919	2,194,878	627,083	15,479	33,697	352,598	1,157,766	8,255
Dec. 30, 1920	2,719,134	1,521,546	17,218	21,427	271,526	869,510	17,907
Dec. 31, 1921	1,144,346	631,038	338	9,985	41,511	443,722	17,752
Dec. 30, 1922	617,780	270,781	330	4,844	3,618	328,172	10,035
Dec. 31, 1923	723,068	355,816	233	7,042	3,919	349,766	6,292
Dec. 31, 1924	314,128	102,086	----------	3,353	1,276	185,564	21,849
Dec. 31, 1925	635,193	177,311	----------	3,357	1,872	380,279	72,374
Dec. 31, 1926	636,628	170,961	----------	2,812	1,111	364,169	97,575
Dec. 31, 1927	581,503	87,985	----------	1,400	163	417,566	74,389
Dec. 31, 1928	1,056,466	214,986	46	1,645	974	658,242	180,573
Dec. 31, 1929	632,421	171,078	31	2,177	755	352,773	105,607
Dec. 31, 1930	251,398	98,250	----------	1,413	449	88,989	62,297
Dec. 31, 1931	638,293	212,550	----------	2,355	3,591	317,535	102,262
Boston	43,205	12,069	----------	66	20	23,473	7,577
New York	149,951	19,655	----------	247	365	112,112	17,572
Philadelphia	116,412	38,748	----------	385	27	48,268	28,984
Cleveland	92,609	35,387	----------	1,228	633	47,863	7,498
Richmond	33,377	19,750	----------	121	247	6,577	6,682
Atlanta	34,902	24,878	----------	42	167	3,882	5,933
Chicago	74,496	19,648	----------	130	450	49,822	4,446
St. Louis	16,886	1,383	----------	1	846	9,344	5,312
Minneapolis	7,571	4,957	----------	15	261	813	1,525
Kansas City	27,726	20,472	----------	2	487	4,081	2,684
Dallas	10,416	7,895	----------	72	16	527	1,906
San Francisco	30,742	7,708	----------	46	72	10,773	12,143

Bank and date	Total	Maturity of discounted bills					
		Within 15 days	16 to 30 days	31 to 60 days	61 to 90 days	After 90 days	Average for year [1]
All Federal reserve banks:							
Dec. 26, 1919	2,194,878	1,484,790	244,890	292,715	152,125	20,358	10.13
Dec. 30, 1920	2,719,134	1,632,885	280,406	430,676	311,619	63,548	13.29
Dec. 28, 1921	1,179,833	708,361	116,690	161,202	131,936	61,644	13.63
Dec. 27, 1922	629,885	436,465	48,609	63,372	50,059	31,380	12.14
Dec. 26, 1923	857,151	612,660	64,310	84,069	66,514	29,598	9.89
Dec. 31, 1924	314,128	241,603	18,335	26,413	17,343	10,434	12.39
Dec. 30, 1925	749,672	616,325	35,816	53,152	33,428	10,951	7.99
Dec. 29, 1926	710,931	575,544	38,865	49,876	37,232	9,414	8.04
Dec. 28, 1927	609,209	537,482	18,330	26,892	18,617	7,888	7.58
Dec. 26, 1928	1,167,579	1,012,581	38,749	59,509	38,616	18,124	6.78
Dec. 31, 1929	632,421	508,072	36,331	48,742	25,932	13,344	8.00
Dec. 31, 1930	251,398	175,501	17,659	26,966	19,459	11,813	10.27
Dec. 30, 1931	1,024,133	851,558	39,895	61,106	51,407	20,167	11.03
Boston	56,733	47,266	2,479	4,104	2,526	358	13.42
New York	431,827	417,987	4,099	5,610	3,989	142	8.59
Philadelphia	115,575	88,427	8,217	12,147	6,608	176	10.37
Cleveland	114,862	87,357	6,736	12,167	8,087	515	12.14
Richmond	41,447	27,441	4,162	5,855	3,365	624	6.53
Atlanta	45,525	24,126	5,724	6,280	8,422	973	29.21
Chicago	95,309	75,743	3,601	7,324	6,477	2,164	16.44
St. Louis	21,742	19,633	368	253	973	515	7.23
Minneapolis	7,554	2,671	129	320	2,404	2,030	44.61
Kansas City	29,286	10,276	1,677	3,418	5,007	8,908	35.11
Dallas	11,407	4,897	1,675	2,218	1,565	1,052	35.06
San Francisco	52,866	45,734	1,028	1,410	1,984	2,710	7.57

[1] Represents average maturity (in days) of all time bills discounted during year.

Source: Federal Reserve Board.

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No. 225.—FEDERAL RESERVE BANKS: HOLDINGS OF DISCOUNTED BILLS, BY STATES

NOTE.—Yearly average based on end of month figures

[All figures in thousands of dollars]

Division and State	1928 [1]	1929 [1]	1930 [1]	1931 [1]	Division and State	1928 [1]	1929 [1]	1930 [1]	1931 [1]
United States	895, 900	971, 283	274, 566	335, 172	South Atlantic—Contd.				
New England	59, 836	73, 660	17, 819	17, 722	Virginia	16, 212	18, 815	7, 785	6, 805
Maine	1, 586	2, 416	1, 050	1, 509	West Virginia	4, 428	5, 985	4, 089	4, 749
New Hampshire	1, 743	2, 516	1, 598	1, 452	North Carolina	11, 410	13, 825	5, 801	6, 654
Vermont	1, 044	1, 407	1, 172	964	South Carolina	3, 494	4, 023	1, 424	2, 465
Massachusetts	45, 841	53, 606	9, 997	9, 264	Georgia	14, 518	11, 582	4, 167	4, 445
Rhode Island	4, 831	7, 116	477	811	Florida	3, 588	5, 042	1, 546	966
Connecticut	4, 791	6, 599	3, 525	3, 722	East South Central	35, 524	52, 417	21, 719	16, 930
Middle Atlantic	405, 317	372, 350	101, 317	125, 166	Kentucky	13, 300	19, 673	3, 393	3, 883
New York	258, 354	217, 621	51, 335	52, 394	Tennessee	6, 013	12, 205	6, 900	5, 354
New Jersey	39, 438	36, 963	15, 244	24, 292	Alabama	12, 055	16, 593	6, 693	5, 912
Pennsylvania	107, 525	117, 766	34, 738	48, 480	Mississippi	4, 156	3, 946	4, 733	1, 781
East North Central	167, 440	190, 778	46, 903	58, 910	West South Central	38, 852	54, 852	22, 049	24, 706
Ohio	39, 577	52, 368	16, 711	26, 924	Arkansas	3, 647	4, 476	3, 444	2, 102
Indiana	6, 640	12, 820	5, 268	4, 065	Louisiana	18, 220	18, 149	5, 702	7, 821
Illinois	65, 451	63, 180	8, 694	7, 344	Oklahoma	2, 878	8, 190	3, 930	4, 366
Michigan	40, 360	46, 245	12, 546	17, 239	Texas	14, 107	24, 037	8, 973	10, 417
Wisconsin	15, 412	16, 165	3, 684	3, 338	Mountain	5, 051	7, 937	5, 274	5, 498
West North Central	56, 336	75, 733	17, 771	21, 794	Montana	174	766	765	752
Minnesota	8, 849	18, 764	1, 144	1, 574	Idaho	319	325	389	539
Iowa	4, 567	6, 589	2, 782	3, 189	Wyoming	95	489	483	669
Missouri	30, 847	31, 300	5, 208	6, 368	Colorado	2, 959	3, 547	1, 894	1, 659
North Dakota	679	847	745	707	New Mexico	141	395	346	601
South Dakota	485	688	951	1, 505	Arizona	174	64	33	87
Nebraska	6, 397	10, 926	3, 460	5, 387	Utah	1, 189	2, 351	1, 350	1, 146
Kansas	4, 512	6, 619	3, 486	3, 064	Nevada			14	45
South Atlantic	65, 223	73, 068	28, 094	30, 998	Pacific	62, 321	70, 488	13, 620	33, 448
Delaware	1, 404	1, 040	714	579	Washington	3, 631	5, 426	2, 386	2, 129
Maryland	8, 325	8, 474	2, 042	3, 110	Oregon	2, 027	3, 684	2, 570	1, 584
Dist. of Col.	1, 844	4, 282	526	1, 225	California	56, 663	61, 378	8, 664	29, 735

[1] Figures given include borrowings by Federal intermediate credit banks as follows:

	1928	1929	1930	1931		1928	1929	1930	1931
Minnesota	496	48		320	Louisiana	125	542	8	389
Missouri	17			6	Texas		109		
Nebraska	603	816	91	214	Washington	361	1, 043	73	368
Kansas	2, 095	2, 086	200	281	California	159	1, 524	247	411
South Carolina	164	262	63	683					

No. 226.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH the FUND, 1916 to 1931

[All figures in millions and tenths of millions of dollars]

Year	Balance at beginning of period	Daily settlements between Federal reserve banks		Inter-reserve bank transfers	Withdrawals	Deposits	Balance at end of period
		Transit clearings	Federal reserve note clearings				
1916	77.8	5, 534.0	(1)	(1)	231.1	323.1	169.7
1917	169.7	24, 319.1	(1)	2, 643.8	1, 235.7	1, 377.6	311.6
1918	311.6	45, 439.5	(1)	4, 812.1	1, 614.7	1, 705.0	401.9
1919	401.9	66, 053.4	(1)	7, 930.9	1, 871.9	1, 799.7	329.7
1920	329.7	85, 074.2	(1)	7, 551.6	1, 658.0	1, 685.5	357.3
1921	357.3	64, 934.8	(1)	3, 289.1	2, 303.2	2, 468.0	522.1
1922	522.1	75, 336.0	(1)	1, 154.0	1, 793.0	1, 825.3	554.4
1923	554.4	89, 614.7	(1)	1, 039.2	1, 764.3	1, 781.1	571.1
1924	571.1	97, 698.3	(1)	919.6	1, 921.8	2, 030.2	679.2
1925	679.5	108, 289.5	(1)	909.0	1, 779.0	1, 788.6	689.5
1926	689.2	115, 455.3	635.8	1, 043.4	3, 029.2	3, 005.3	665.3
1927	665.3	123, 031.5	673.2	1, 436.7	3, 797.3	3, 660.3	528.2
1928	528.2	132, 525.2	658.4	1, 172.6	2, 855.6	3, 014.4	687.0
1929	687.0	145, 132.4	758.7	1, 052.1	3, 160.3	2, 984.6	511.2
1930	511.2	151, 458.3	669.4	1, 530.2	2, 063.8	1, 970.0	417.4
1931	417.4	124, 137.3	5+0.1	1, 905.0	2, 729.0	2, 625.7	314.1

[1] Included in transit clearings.

Source of Tables 225 and 226: Federal Reserve Board.

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No. 227.—FEDERAL RESERVE GOLD SETTLEMENT FUND: SUMMARY OF TRANSACTIONS THROUGH THE FUND, BY DISTRICTS, 1931

[All figures in millions and tenths of millions of dollars]

Federal reserve bank	Balance Jan. 1	Daily settlements between Federal reserve banks				Interreserve bank transfers		Withdrawals	Deposits	Balance in fund at close of business Dec. 31
		Transit clearings		Federal reserve note clearings		Payments	Receipts			
		Payments	Receipts	Payments	Receipts					
Total	417.4	124,137.3	124,137.3	540.1	540.1	1,905.0	1,905.0	2,729.0	2,625.7	314.1
Boston	18.7	11,752.3	11,898.0	54.7	40.8	211.4	82.2	107.0	126.0	40.3
New York	135.4	41,446.1	42,035.6	94.0	150.0	817.1	605.7	1,283.6	795.6	81.4
Philadelphia	61.4	10,595.8	10,697.5	64.8	49.1	200.4	64.5	90.0	92.7	14.3
Cleveland	36.2	9,444.4	9,594.4	79.9	33.5	156.5	67.0	106.6	98.5	42.2
Richmond	18.2	7,484.8	7,520.8	32.5	36.5	124.0	50.4	109.2	132.4	7.8
Atlanta	10.8	3,357.8	3,253.4	31.0	39.7	50.0	65.1	108.6	185.8	7.4
Chicago	49.7	17,039.6	16,917.4	62.3	77.6	135.0	418.3	466.0	290.5	50.5
St. Louis	18.7	5,453.8	5,282.3	30.6	38.0	38.5	134.1	73.6	133.0	9.6
Minneapolis	10.1	1,977.5	1,932.1	17.7	15.2	22.0	52.7	53.9	70.5	9.4
Kansas City	21.6	4,721.3	4,572.3	27.9	21.4	31.0	128.9	74.5	126.3	15.7
Dallas	9.7	3,855.2	3,876.8	15.6	14.7	57.5	41.4	81.1	75.7	8.9
San Francisco	27.1	7,008.7	6,556.8	29.0	23.6	61.5	194.6	175.0	498.7	26.6

Source: Federal Reserve Board.

No. 228.—FEDERAL RESERVE AGENTS' GOLD FUND: SUMMARY OF TRANSACTIONS

[All figures in millions and tenths of millions of dollars]

Federal reserve agent at—	Balance Jan. 1	Withdrawals [1]	Deposits [1]	Transfers to bank	Transfers from bank	Balance Dec. 31
All F. R. banks:						
1918	496.6	103.6	35.0	1,011.8	1,512.3	928.5
1919	928.5	1,011.4	165.0	675.4	1,479.6	886.3
1920	886.3	1,060.7	451.4	498.6	1,118.3	896.7
1921	896.7	1,598.5	1,023.9	587.4	1,651.2	1,394.9
1922	1,394.9	924.0	492.9	609.5	1,326.8	1,168.1
1923	1,681.1	755.0	148.5	565.7	1,140.0	1,648.9
1924	1,648.9	626.0	149.5	1,022.8	1,158.3	1,307.9
1925	1,307.9	559.8	126.0	975.6	1,061.7	960.2
1926	960.2	568.2	112.3	1,799.4	2,258.5	963.4
1927	963.4	454.2	63.3	2,458.4	2,914.3	1,028.3
1928	1,028.3	473.6	70.5	1,631.4	1,768.1	761.9
1929	761.9	358.5	149.9	1,500.6	2,210.2	1,262.9
1930	1,262.9	----------	.5	1,101.7	947.8	1,109.4
1931	1,109.4	1.0	1.3	1,678.5	1,819.5	1,250.7
Boston	114.6	----------	----------	112.0	98.0	100.6
New York	25.0	----------	----------	480.0	455.0	----------
Philadelphia	121.3	----------	----------	79.0	83.0	125.3
Cleveland	165.0	----------	----------	78.0	101.0	188.0
Richmond	78.0	----------	----------	111.5	101.1	67.6
Atlanta	122.4	----------	----------	149.0	104.8	78.3
Chicago	143.0	1.0	----------	206.0	447.0	383.0
St. Louis	60.8	----------	----------	83.7	72.6	49.7
Minneapolis	36.5	----------	----------	39.8	52.6	49.3
Kansas City	62.0	----------	----------	67.2	62.0	56.8
Dallas	10.1	----------	1.3	57.4	74.4	28.4
San Francisco	170.8	----------	----------	215.0	168.0	123.8

[1] Withdrawals from and deposits in the Federal reserve agents' gold fund, other than transfers to or from bank, practically ceased with the discontinuance of the agents' gold redemption fund in August, 1929.

Source: Federal Reserve Board.

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No. 229.—FEDERAL RESERVE BANKS: VOLUME OF OPERATIONS IN PRINCIPAL DEPARTMENTS

[All figures in millions and tenths of millions of dollars]

Bank and year	Bills discounted	Bills purchased in open market for own account	Currency received and counted	Coin received and counted	Checks handled	Collection items handled		U. S. securities—issues, redemptions, and exchanges by fiscal agent department	Transfers of funds
						U. S. Government coupons paid	All other		
All F. R. banks:									
1924	15,419.2	2,172.1	10,777.3	293.9	219,832.2	719.8	5,509.1	6,708.3	98,359.0
1925	32,562.6	2,961.2	11,557.0	411.2	258,611.3	680.9	6,117.0	5,579.0	109,430.7
1926	37,682.1	3,353.3	12,585.0	475.0	272,945.2	644.3	6,219.4	4,971.4	120,909.4
1927	31,934.6	4,050.9	12,939.6	432.1	278,399.6	553.7	6,710.3	10,803.0	136,383.9
1928	62,413.0	4,240.7	13,315.6	451.1	301,703.8	543.4	7,414.4	9,002.4	148,749.0
1929	60,747.1	3,587.5	14,782.4	478.2	367,215.1	535.6	7,185.4	7,018.8	170,789.7
1930	14,067.1	3,873.7	14,262.8	537.5	324,883.0	499.1	7,528.0	7,245.2	198,880.9
1931	14,555.6	2,998.4	12,668.6	585.9	248,173.0	480.0	7,321.8	17,543.5	162,095.1
Boston	563.6	302.6	1,460.8	34.2	17,448.2	29.3	1,029.1	563.7	9,713.6
New York	4,200.7	1,318.0	4,322.3	345.1	101,014.3	233.2	2,760.0	11,434.6	62,189.7
Philadelphia	1,886.8	52.2	1,028.7	38.5	24,475.1	29.2	398.4	609.6	10,231.4
Cleveland	1,589.8	167.8	690.9	13.7	20,811.8	54.6	497.1	591.7	9,099.7
Richmond	1,434.5	67.3	511.2	15.0	10,435.7	9.9	209.9	283.9	5,846.0
Atlanta	450.6	107.6	465.4	10.6	8,227.5	5.3	138.3	292.6	2,110.0
Chicago	1,009.3	344.9	2,245.6	30.5	23,367.7	56.6	1,168.1	2,174.3	27,928.3
St. Louis	761.7	94.8	451.0	12.2	10,963.0	15.2	266.0	349.7	5,123.8
Minneapolis	50.3	65.3	186.5	4.3	3,559.2	7.6	170.8	136.5	2,508.4
Kansas City	266.5	111.4	260.3	11.6	8,461.5	15.2	239.0	259.0	5,376.1
Dallas	159.7	68.3	213.7	7.0	6,232.6	4.3	143.2	279.3	4,642.4
San Francisco	2,182.1	298.2	832.2	63.2	13,176.4	19.6	301.9	568.6	17,325.7

No. 230.—FEDERAL RESERVE BANKS: OPERATIONS OF BRANCHES

[All figures in thousands of dollars]

Federal reserve branch and year	Bills discounted and bought	Currency and coin received and counted	Checks handled	Noncash collection items handled		Transfers of funds	Fiscal agency—issues, redemptions, and exchanges of U. S. securities
				Government coupons	All other		
All branches:							
1924	2,104,790	2,495,451	54,763,840	99,927	975,142	15,953,121	221,225
1925	3,594,053	2,649,136	60,989,227	94,754	1,023,263	18,516,551	195,249
1926	4,499,314	2,879,738	64,716,081	89,637	1,138,245	20,210,569	183,946
1927	4,071,580	2,809,240	64,724,395	79,933	1,150,370	22,240,987	384,349
1928	7,524,192	2,966,956	68,273,066	78,564	1,227,049	25,780,961	324,200
1929	8,601,344	3,293,274	72,034,805	79,570	1,227,485	28,975,751	271,416
1930	2,438,301	3,124,304	62,834,956	74,052	1,088,691	33,111,377	211,848
1931	2,750,613	2,601,089	48,079,197	68,014	975,775	25,041,132	350,538
No. 2. Buffalo	476,888	234,793	2,383,014	1,403	52,314	2,021,968	1,089
No. 4. Cincinnati		127,930	2,960,988	12,909	48,760	571,071	27,493
Pittsburg		251,282	10,371,791	15,563	36,756	2,134,203	127,076
No. 5. Baltimore	641,632	259,303	3,210,999	5,676	96,904	1,464,105	62,312
Charlotte		51,892	1,129,285	252	25,433	1,020,265	
No. 6. Birmingham		40,983	1,020,660	162	11,511	105,301	
Jacksonville		80,780	1,581,154	953	20,321	197,507	
Nashville		49,418	1,036,998	366	29,452	123,102	
New Orleans	212,550	107,163	1,731,798	1,547	36,614	631,474	49,130
No. 7. Detroit	512,658	466,673	5,066,896	6,605	128,298	4,662,218	5,508
No. 8. Little Rock	54,577	30,317	624,532	282	24,182	254,901	267
Louisville	335,840	84,402	1,816,678	2,514	44,313	656,217	1,791
Memphis	39,115	57,102	754,337	588	35,928	464,330	453
No. 9. Helena	5,535	15,965	353,437	403	5,350	133,908	
No. 10. Denver	37,333	50,250	1,659,749	3,636	41,680	896,440	20,862
Oklahoma City		31,741	1,447,553	486	26,586	219,496	1,316
Omaha	63,202	41,069	1,433,348	2,203	62,990	1,024,764	6,681
No. 11. El Paso	15,757	24,379	440,916	296	8,630	282,959	
Houston	10,623	39,911	1,289,779	796	42,342	1,401,025	
San Antonio	24,206	48,298	824,203	456	23,184	470,578	
No. 12. Los Angeles	35,566	341,103	3,314,660	6,041	68,660	3,566,723	36,323
Portland	27,700	40,467	1,237,679	1,999	30,485	696,951	2,658
Salt Lake City	44,918	32,479	745,864	758	32,623	495,515	734
Seattle	198,632	78,499	1,178,525	1,578	29,101	1,262,416	5,686
Spokane	13,881	14,890	464,354	542	13,358	283,695	1,159

Source of Tables 229 and 230: Federal Reserve Board.

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No. 231.—FEDERAL RESERVE BANKS: DISCOUNT RATES ON ALL CLASSES AND MATURITIES OF DISCOUNTED BILLS—CHANGES FROM JANUARY 1, 1922, TO DECEMBER 31, 1931

NOTE.—In 1914 to 1921 different rates were generally in effect for different classes of bills. The rates for each class are shown in Table 249, Statistical Abstract, 1928, and the average rate for all classes combined in Table 254, Statistical Abstract, 1930. Beginning 1922, the same rate applied to all classes of paper with the few exceptions noted

Date effective [1]	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
In effect Jan. 1, 1922	4½	4½	4½	5	5	5	5	5	5½	5	5½	5
1922—Jan. (11, 9, 23)	----	----	----	----	----	----	----	----	5	----	5	4½
Mar. (15, 25)	----	----	----	----	----	4½	4½	----	----	----	----	----
Apr. (14, 6)	----	----	----	----	4½	----	----	4½	----	----	----	----
June (23, 22)	4	4	----	----	----	----	----	----	----	----	----	----
July (12, 8)	----	----	----	----	----	----	----	----	----	----	4½	4
Aug. (15, 12)	----	----	----	----	----	----	----	----	4½	4½	----	----
1923—Feb. 23	[2] 4½	4½	----	----	----	----	----	----	----	----	----	----
Mar. 6	----	----	----	----	----	----	----	----	----	----	----	4½
1924—May 1	----	4	----	----	----	----	----	----	----	----	----	----
June (12, 12, 19, 2, 14, 18, 14, 19, 10)	3½	3½	[3] 3½	4	4	4	4	4	----	----	----	4
July (1, 16)	----	----	----	----	----	----	----	----	----	4	4	----
Aug. (8, 15, 25)	----	3	----	3½	----	----	----	----	----	----	----	3½
Oct. 15	----	----	----	----	----	----	----	----	4	----	----	----
1925—Feb. 27	----	3½	----	----	----	----	----	----	----	----	----	----
Nov. (10, 20, 17, 23)	4	----	4	4	----	----	----	----	----	----	----	4
1926—Jan. 8	----	4	----	----	----	----	----	----	----	----	----	----
Apr. 23	----	3½	----	----	----	----	----	----	----	----	----	----
Aug. 13	----	4	----	----	----	----	----	----	----	----	----	----
1927—July 29	----	----	----	----	----	----	----	----	----	3½	----	----
Aug. (5, 5, 6, 16, 13, 4, 12)	3½	3½	----	3½	3½	3½	----	3½	----	----	3½	----
Sept. (8, 7, 13, 10)	----	----	3½	----	----	----	3½	----	3½	----	----	3½
1928—Jan. (27, 25)	----	----	----	----	4	----	4	----	----	----	----	----
Feb. (8, 3, 16, 11, 21, 7, 10, 8, 4)	4	4	4	----	4	----	4	4	4	4	4	4
Mar. 1	----	----	----	4	----	----	----	----	----	----	----	----
Apr. (20, 24, 20, 23, 25)	4½	----	----	----	4½	----	4½	4½	4½	----	----	----
May (18, 17, 25, 26, 7)	----	4½	4½	4½	----	4½	----	----	----	----	4½	----
June (7, 2)	----	----	----	----	----	----	----	----	----	4½	----	4½
July (19, 13, 26, 13, 14, 11, 19)	5	5	5	----	5	5	5	5	----	----	----	----
Aug. 1	----	----	----	5	----	----	----	----	----	----	----	----
1929—Mar. 2	----	----	----	----	----	----	----	----	----	----	5	----
May (14, 6, 20)	----	----	----	----	----	----	----	----	5	5	----	5
Aug. 9	----	6	----	----	----	----	----	----	----	----	----	----
Nov. (21, 15, 23)	4½	[4] 4½	----	----	----	----	4½	----	----	----	----	----
Dec. (10, 20, 6)	----	----	----	----	4½	----	----	----	----	4½	----	4½
1930—Jan. 16	----	----	4½	----	----	----	----	----	----	----	----	----
Feb. (13, 7, 8, 7, 8, 11, 8, 15, 8)	4	4	----	4½	4½	----	4	4½	4½	4	4½	----
Mar. (14, 20, 15, 21)	----	3½	4	4	----	----	----	----	----	----	----	4
Apr. (11, 12, 12, 15, 8)	----	----	----	----	4	4	----	4	4	----	4	----
May (8, 2)	3½	3	----	----	----	----	----	----	----	----	----	----
June (20, 7, 21)	----	2½	----	3½	----	----	3½	----	----	----	----	----
July (3, 3, 18, 12)	3	----	3½	----	3½	3½	----	----	----	----	----	----
Aug. (7, 15, 8)	----	----	----	----	----	----	----	3½	----	3½	----	3½
Sept. (12, 9)	----	----	----	----	----	----	----	----	3½	----	3½	----
Dec. (24, 29)	----	2	----	3	----	----	----	----	----	----	----	----
1931—Jan. (2, 10, 10, 8, 9)	2½	----	----	----	----	3	3	3	----	----	----	3
May (7, 8, 7, 9, 15, 9, 9, 21, 8, 22)	2	1½	3	2½	3	----	2½	2½	----	3	3	2½
Oct. (17, 16, 22, 24, 20, 17, 22, 23, 21, 21)	[5] 3½	[6] 3½	3½	[7] 3½	4	----	3½	3½	----	3½	4	3½
Nov. 14	----	----	----	----	----	3½	----	----	----	----	----	----

[1] Where 2 or more districts changed their rate during a given month, the days of the month when the rates became effective are given in parenthesis in the order in which the districts concerned are named; for example, in January, 1922, the rate of 5 per cent became effective for Minneapolis on the 11th, and for Dallas on the 9th; of 4½ per cent for San Francisco on the 23d.

[2] 5 per cent on 6-9 month agricultural and livestock paper from Apr. 7, 1923, to June 11, 1924, inclusive.

[3] 5 per cent on 6-9 month agricultural and livestock paper from Apr. 19, 1923, to June 25, 1924, inclusive; 4½ per cent on 91-day to 6-month agricultural and livestock paper from June 19 to June 25, 1924.

[4] Rate changedto 5 on Nov. 1 and to 4½ on Nov. 15.

[5] Rate changed to 2½ on Oct. 10 and 3½ on Oct. 17.

[6] Rate changed to 2½ on Oct. 9 and 3½ on Oct. 16.

[7] Rate changed to 3 on Oct. 10 and 3½ on Oct. 24.

Source: Federal Reserve Board.

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No. 232.—FEDERAL RESERVE BANKS: AVERAGE ANNUAL RATE OF EARNINGS ON BILLS AND SECURITIES

NOTE.—Rate on "All classes" covers, besides classes specified, earnings on a small amount of municipal warrants, Federal intermediate credit bank debentures, Federal land bank bonds, and foreign loans on gold

Bank and year	Average annual rate (per cent) on—				Bank and year	Average annual rate (per cent) on—			
	All classes	Discounted bills	Purchased bills	U. S. securities		All classes	Discounted bills	Purchased bills	U. S. securities
All banks:					Richmond:				
1918	4.12	4.24	4.14	2.99	1929	4.93	5.00	5.05	3.04
1919	4.04	4.23	4.30	2.26	1930	3.44	4.08	2.84	2.88
1920	5.59	5.88	5.66	2.21	1931	2.37	3.42	1.82	1.55
1921	5.61	6.07	5.70	2.37	Atlanta:				
1922	4.11	4.63	3.54	3.67	1929	4.90	5.00	4.89	3.73
1923	4.33	4.46	4.14	4.01	1930	3.57	4.02	3.01	3.12
1924	3.63	4.25	3.31	3.67	1931	2.41	3.12	1.85	1.79
1925	3.51	3.67	3.17	3.56	Chicago:				
1926	3.76	3.95	3.55	3.60	1929	4.82	4.97	5.03	4.03
1927	3.60	3.83	3.49	3.41	1930	3.37	4.12	2.76	3.26
1928	4.24	4.56	3.97	3.64	1931	2.30	3.10	2.01	2.14
1929	4.86	5.03	5.00	3.93	St. Louis:				
1930	3.25	3.93	2.85	3.06	1929	4.81	5.00	4.77	4.09
1931	2.20	3.01	2.04	1.86	1930	3.60	4.09	2.93	3.53
Boston:					1931	2.22	3.00	1.72	2.04
1929	4.92	4.99	5.00	4.03	Minneapolis:				
1930	3.06	3.69	2.61	2.96	1929	4.66	4.89	4.94	3.95
1931	1.91	2.78	1.97	1.62	1930	3.31	4.31	2.90	3.28
New York:					1931	2.30	3.50	1.75	2.23
1929	4.97	5.18	4.97	4.14	Kansas City:				
1930	3.00	3.28	2.86	2.94	1929	4.82	4.86	5.15	3.98
1931	1.99	2.41	2.17	1.76	1930	3.27	4.22	2.59	2.80
Philadelphia:					1931	2.12	3.33	1.76	1.62
1929	4.88	5.00	5.07	3.97	Dallas:				
1930	3.52	4.18	3.48	3.13	1929	4.68	4.96	5.10	3.68
1931	2.59	3.32	4.33	1.82	1930	3.40	4.28	2.94	3.21
Cleveland:					1931	2.49	3.41	1.96	2.23
1929	4.78	5.00	5.01	3.59	San Francisco:				
1930	3.37	4.21	2.84	3.04	1929	4.70	4.78	4.98	3.65
1931	2.22	3.09	2.03	1.75	1930	3.19	4.04	2.89	3.07
					1931	2.31	3.04	1.88	1.99

No. 233.—FEDERAL RESERVE BANKS: PROFIT AND LOSS ACCOUNT

[All figures in thousands of dollars]

Bank and year	Gross earnings	Net earnings [1]	Dividend payments	Franchise tax to Government	Carried to surplus	Capital and surplus, Dec. 31
All Federal reserve banks:						
1921	122,866	82,087	6,120	59,974	15,993	318,688
1922	50,499	16,498	6,307	10,851	[2] *660*	325,640
1923	50,709	12,711	6,558	3,613	2,546	331,060
1924	38,340	3,718	6,682	114	[2] *3,078*	320,875
1925	41,601	9,449	6,916	59	2,474	337,547
1926	47,600	16,812	7,329	818	8,464	353,589
1927	43,024	13,048	7,754	250	5,044	365,800
1928	64,053	32,122	8,458	2,585	21,079	401,334
1929	70,956	36,403	9,584	4,283	22,536	447,909
1930	36,424	7,988	10,269	17	[2] *2,293*	444,276
1931	29,701	2,972	10,030		[2] [3] *7,058*	419,989
Boston	1,801	*−140*	709		[2] *849*	31,787
New York	7,555	1,532	3,892		[2] *2,359*	136,716
Philadelphia	2,714	884	1,005		[2] *121*	43,085
Cleveland	3,038	78	937		[2] *858*	42,270
Richmond	1,389	*−167*	340		[2] *497*	16,961
Atlanta	1,449		313		[2] *313*	15,607
Chicago	4,143	610	1,171		[2] *561*	56,422
St. Louis	1,189	*−61*	289		[2] *351*	14,718
Minneapolis	937	46	190		[2] *135*	9,308
Kansas City	1,555	*−185*	254		[2] *439*	12,309
Dallas	1,214	112	256		[2] *143*	11,760
San Francisco	2,717	253	685		[2] *433*	29,046

[1] Net earnings available for dividends, franchise tax, and surplus.
[2] Withdrawn from surplus account.
[3] Exclusive of a reserve of $8,158,000 for depreciation on U. S. bonds charged direct to surplus.

Source of Tables 232 and 233: Federal Reserve Board.

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No. 234.—REPORTING MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM IN LEADING CITIES: PRINCIPAL ASSETS AND LIABILITIES

NOTE.—**All figures in millions of dollars.** Data are monthly averages of weekly figures. The number of reporting banks was 823 in March, 1921, and 455 at the end of 1931, the reduction being due almost entirely to consolidations

Year and month	Loans and investments					Net demand deposits	Time deposits	Reserve balances	Borrowings at Federal reserve banks
	Total	Loans			Investments				
		Total	On securities	All other					
1921:									
March	16,066	12,785	3,921	8,864	3,281	10,409	2,947	1,273	1,792
June	15,364	12,036	3,805	8,232	3,328	10,187	2,957	1,296	1,267
September	14,902	11,672	3,667	8,005	3,229	9,958	2,943	1,224	906
December	14,842	11,420	3,765	7,655	3,421	10,247	3,009	1,266	697
1922:									
March	14,617	11,034	3,641	7,393	3,583	10,391	3,138	1,318	264
June	15,242	11,024	3,909	7,115	4,218	11,138	3,349	1,405	130
September	15,446	11,066	3,908	7,158	4,379	11,076	3,604	1,357	145
December	16,006	11,445	4,123	7,322	4,561	11,146	3,720	1,383	392
1923:									
March	16,368	11,796	4,116	7,680	4,572	11,284	3,928	1,404	417
June	16,428	11,905	4,157	7,748	4,522	11,176	4,020	1,400	466
September	16,305	11,930	4,028	7,903	4,375	10,991	4,035	1,360	545
December	16,318	11,985	4,142	7,843	4,333	11,127	4,083	1,382	502
1924:									
March	16,443	12,138	4,181	7,956	4,306	11,282	4,227	1,435	245
June	16,816	12,249	4,310	7,939	4,567	11,773	4,391	1,539	131
September	17,757	12,725	4,675	8,049	5,032	12,630	4,632	1,645	83
December	18,465	13,087	4,917	8,170	5,378	13,184	4,855	1,691	145
1925:									
March	18,523	13,320	5,122	8,198	5,204	12,866	5,006	1,627	234
June	18,641	13,375	5,289	8,085	5,266	12,805	5,202	1,622	238
September	18,978	13,797	5,447	8,349	5,181	12,892	5,230	1,639	403
December	19,413	14,248	5,843	8,405	5,165	13,173	5,357	1,685	491
1926:									
March	19,420	14,172	5,652	8,521	5,248	12,917	5,497	1,649	372
June	19,596	14,235	5,693	8,541	5,362	13,074	5,641	1,664	252
September	19,775	14,498	5,847	8,652	5,277	13,024	5,722	1,674	428
December	19,742	14,578	5,771	8,807	5,165	13,032	5,768	1,680	447
1927:									
March	19,989	14,536	5,867	8,670	5,453	13,034	5,989	1,665	268
June	20,506	14,849	6,220	8,628	5,658	13,414	6,163	1,744	268
September	20,653	15,066	6,298	8,768	5,587	13,340	6,269	1,703	267
December	21,323	15,396	6,676	8,720	5,932	13,872	6,419	1,781	388
1928:									
March	21,502	15,370	6,586	8,784	6,133	13,579	6,689	1,726	362
June	22,063	15,871	6,962	8,909	6,193	13,450	6,923	1,740	796
September	21,871	15,898	6,840	9,059	5,973	13,049	6,831	1,699	822
December	22,189	16,253	7,198	9,055	5,936	13,399	6,842	1,748	799
1929:									
March	22,472	16,491	7,580	8,911	5,981	13,288	6,839	1,715	740
June	22,231	16,480	7,332	9,149	5,751	13,001	6,739	1,672	670
September	22,646	17,197	7,654	9,543	5,449	13,180	6,810	1,703	706
December	23,012	17,444	7,968	9,476	5,567	13,774	6,727	1,743	490
1930:									
January	22,368	16,821	7,794	9,027	5,548	13,224	6,872	1,718	247
February	22,083	16,542	7,671	8,871	5,541	12,974	6,861	1,704	174
March	22,352	16,746	7,964	8,781	5,607	13,093	6,974	1,697	81
April	22,657	16,901	8,270	8,631	5,756	13,391	7,069	1,740	71
May	22,662	16,825	8,312	8,513	5,837	13,393	7,118	1,745	59
June	23,024	17,048	8,560	8,487	5,977	13,631	7,211	1,781	53
July	23,101	16,906	8,391	8,515	6,194	13,720	7,358	1,813	53
August	23,128	16,838	8,349	8,488	6,291	13,651	7,399	1,791	43
September	23,220	16,859	8,383	8,476	6,361	13,622	7,471	1,813	44
October	23,409	16,834	8,237	8,597	6,575	13,735	7,549	1,824	56
November	23,455	16,673	7,897	8,776	6,782	13,934	7,518	1,829	71
December	23,117	16,332	7,776	8,557	6,784	13,839	7,221	1,834	141
1931:									
January	22,660	15,894	7,495	8,399	6,766	13,763	7,073	1,846	82
February	22,659	15,557	7,315	8,242	7,102	13,626	7,213	1,792	57
March	22,839	15,452	7,302	8,150	7,387	13,678	7,266	1,811	35
April	22,942	15,197	7,157	8,040	7,745	13,731	7,328	1,799	26
May	22,713	14,891	6,998	7,893	7,822	13,692	7,407	1,836	28
June	22,439	14,623	6,770	7,853	7,816	13,425	7,258	1,827	56
July	22,393	14,595	6,631	7,964	7,798	13,576	7,151	1,843	44
August	22,093	14,380	6,480	7,900	7,713	13,290	7,070	1,795	75
September	22,078	14,283	6,413	7,870	7,795	13,137	6,892	1,791	127
October	21,425	13,650	5,971	7,679	7,775	12,574	6,484	1,717	398
November	21,023	13,445	5,859	7,586	7,578	12,279	6,251	1,603	404
December	20,749	13,204	5,763	7,441	7,545	12,024	6,013	1,637	499

Source: Federal Reserve Board.

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No. 235.—ALL MEMBER BANKS OF FEDERAL RESERVE SYSTEM: NUMBER, CAPITAL AND SURPLUS, AND TOTAL RESOURCES

NOTE.—All national banks, except those in Alaska and Hawaii, are members of the system

Date	Number of banks			Capital and surplus (thousands of dollars)			Total resources (thousands of dollars)		
	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies	All member banks	National banks	State banks and trust companies
Dec. 31, 1915	7,631	7,600	31	1,828,679	1,792,509	36,170	13,740,825	13,461,185	279,640
Dec. 27, 1916	7,614	7,577	37	1,863,169	1,814,347	48,822	15,849,692	15,380,617	469,075
Dec. 31, 1917	7,907	7,657	250	2,396,260	1,875,495	520,765	23,649,962	18,539,576	5,110,386
Dec. 31, 1918	8,692	7,762	930	2,713,630	1,953,840	759,790	28,245,710	20,535,553	7,710,157
Dec. 31, 1919	9,066	7,885	1,181	2,969,560	2,078,359	891,201	33,916,044	23,676,048	10,239,996
Dec. 29, 1920	9,606	8,125	1,481	3,325,962	2,290,939	1,035,023	33,079,016	22,789,045	10,289,971
Dec. 31, 1921	9,779	8,165	1,614	3,425,296	2,314,633	1,110,663	30,114,136	19,935,224	10,178,912
Dec. 29, 1922	9,859	8,220	1,639	3,566,681	2,391,275	1,175,406	33,882,571	21,965,554	11,917,017
Dec. 31, 1923	9,774	8,179	1,595	3,644,373	2,392,784	1,251,589	35,238,606	22,395,303	12,843,303
Dec. 31, 1924	9,587	8,043	1,544	3,744,967	2,422,256	1,322,711	38,986,867	24,368,991	14,617,876
Dec. 31, 1925	9,489	8,048	1,441	3,937,999	2,544,180	1,393,819	41,425,295	25,839,450	15,585,845
Dec. 31, 1926	9,260	7,906	1,354	4,158,796	2,626,064	1,532,732	42,029,644	25,669,069	16,360,575
Dec. 31, 1927	9,034	7,759	1,275	4,461,800	2,841,192	1,620,608	44,888,140	28,148,557	16,739,583
Dec. 31, 1928	8,837	7,629	1,208	4,914,932	3,104,700	1,810,232	48,935,646	30,573,457	18,362,189
Dec. 31, 1929	8,522	7,403	1,119	5,621,725	3,247,371	2,374,354	48,843,078	28,839,582	20,003,496
Dec. 31, 1930	8,052	7,033	1,019	5,487,242	3,265,036	2,222,206	47,057,891	28,753,832	18,304,059
Dec. 31, 1931	7,246	6,368	878	5,023,558	2,997,573	2,025,985	39,688,322	24,618,214	15,070,108

No. 236.—ALL MEMBER BANKS: CLASSIFICATION OF LOANS AND INVESTMENTS ON DECEMBER 31

[All figures, except number of banks, in millions of dollars]

	1928	1929	1930	1931	1931				
					Central reserve city banks	Other reserve city banks	Country banks	National bank members	State bank, etc., members
Loans and investments, total	35,684	35,934	34,880	30,575	8,977	10,598	10,999	19,094	11,482
Loans, total [1]	25,155	26,150	23,870	19,261	5,801	6,852	6,608	11,905	7,356
Loans to customers, total [2]	21,999	23,908	21,637	18,359	5,081	6,741	6,537	11,490	6,870
To banks	538	714	631	790	461	260	69	432	357
On securities (exclusive of loans to banks) [3]	7,347	8,488	7,942	6,290	2,259	2,275	1,756	3,647	2,643
Real estate loans, total	3,123	3,191	3,234	3,038	177	1,515	1,346	1,680	1,358
On farm land	412	388	387	359	2	120	237	292	67
On other real estate	2,711	2,803	2,847	2,678	175	1,395	1,109	1,388	1,290
All other (including overdrafts)	10,991	11,515	9,831	8,242	2,184	2,691	3,367	5,730	2,512
Open market loans, total [3]	3,158	2,243	2,233	901	720	111	71	415	486
Acceptances and commercial paper purchased	602	582	736	327	175	97	54	191	136
Loans to brokers in New York [4]	2,556	1,660	1,498	575	545	14	16	224	350
Investments, total	10,529	9,784	10,988	11,314	3,176	3,746	4,392	7,189	4,126
U.S. Government securities	4,312	3,863	4,125	5,319	2,057	1,844	1,418	3,171	2,148
Other securities, total	6,217	5,921	6,864	5,996	1,120	1,902	2,974	4,018	1,978
Domestic—									
Bonds	4,520	4,169	4,931	4,353	697	1,327	2,329	3,130	1,224
All other	1,013	1,123	1,218	1,102	305	432	364	487	615
Foreign	684	629	715	540	117	142	281	401	139
Number of banks	8,929	8,522	8,052	7,246	51	352	6,843	6,368	878

[1] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement.
[2] Except loans to broker customers in New York, made by New York City banks.
[3] Includes loans to broker customers in New York, made by New York City banks.
[4] Loans on securities to brokers and dealers in securities at New York City.

Source of Tables 235 and 236: Federal Reserve Board.

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No. 237.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: ASSETS AND LIABILITIES, AS OF DECEMBER 31

[All figures, except number of banks, in millions of dollars]

Call date (Dec. 31 except as indicated)	Loans and investments					Due from banks [2]	Capital, surplus, and undivided profits [3]	Total [4] deposits	Demand deposits [4 5]	Time deposits [6]	United States deposits	Due to banks [4 7]	Net demand deposits [4]	Net demand plus time deposits [4 8]	Reserve with Federal reserve banks	Bills payable and rediscounts	Number of banks
	Total	Loans [1]	Investments														
			Total	U. S. securities	Other securities												
All member banks:																	
1915	9,861	7,622	2,239	742	1,497	1,563	2,126	10,636	6,334	1,506	35	2,761	7,971	9,477	414	99	7,631
1920 (Dec. 29)	25,531	19,555	5,976	2,619	3,357	1,577	4,120	24,220	14,632	6,188	316	3,084	15,345	21,533	1,763	3,036	9,606
1922 (Dec. 29)	25,579	17,930	7,649	3,754	3,896	1,806	4,364	27,288	15,689	7,645	462	3,492	16,203	23,848	1,939	727	9,859
1923	26,487	18,842	7,645	3,603	4,042	1,824	4,378	28,507	16,107	8,651	237	3,512	16,376	25,027	1,900	808	9,774
1924	28,746	19,933	8,813	3,874	4,939	2,339	4,532	32,384	17,788	9,805	242	4,548	18,468	28,273	2,228	408	9,587
1925	30,884	21,996	8,888	3,728	5,160	2,155	4,678	34,250	19,072	10,653	304	4,221	19,260	29,913	2,238	733	9,489
1926	31,642	22,652	8,990	3,389	5,601	2,066	4,944	34,528	18,800	11,440	234	4,054	18,922	30,362	2,210	760	9,260
1927	34,247	23,886	10,361	3,978	6,383	2,210	5,341	36,669	19,032	12,765	267	4,606	20,105	32,870	2,514	663	9,034
1928	35,684	25,155	10,529	4,312	6,217	2,124	5,899	39,075	21,111	13,453	262	4,249	19,944	33,397	2,409	1,162	8,837
1929	35,934	26,150	9,784	3,863	5,921	2,168	6,709	38,014	20,489	13,233	143	4,148	19,797	33,081	2,374	879	8,522
1930	34,860	23,870	10,989	4,125	6,864	2,456	6,593	37,117	18,746	13,546	267	4,557	18,969	32,516	2,475	355	8,052
1931	30,575	19,261	11,314	5,319	5,996	1,662	5,999	30,746	15,704	11,316	412	3,314	16,067	27,383	1,975	839	7,246
New York City:																	
1927	7,460	5,621	1,840	948	892	131	1,230	8,485	5,542	1,081	61	1,802	6,061	7,142	857	247	59
1928	7,951	6,018	1,933	1,094	839	120	1,553	10,397	7,386	1,268	52	1,691	6,085	7,353	809	390	57
1929	8,774	6,683	2,091	1,112	979	179	2,105	10,206	7,155	1,336	20	1,695	6,418	7,754	827	179	56
1930	8,582	6,147	2,435	1,239	1,197	145	2,045	9,690	6,457	1,296	37	1,900	6,405	7,701	899	37	48
1931	7,460	4,763	2,697	1,768	928	105	1,863	7,817	5,464	830	167	1,357	5,561	6,392	665	61	39
Chicago:																	
1927	1,810	1,394	416	181	235	110	268	2,009	1,128	520	10	352	1,261	1,781	179	16	22
1928	1,910	1,519	391	174	217	128	300	2,068	1,166	558	6	337	1,210	1,768	169	66	18
1929	1,757	1,448	309	116	193	133	316	1,879	1,115	419	8	337	1,187	1,605	169	41	17
1930	1,861	1,344	518	240	277	194	320	2,047	1,120	510	25	391	1,242	1,752	210	-------	14
1931	1,517	1,038	480	288	191	122	270	1,624	913	389	16	306	1,034	1,423	160	-------	12
Other reserve cities:																	
1927	11,904	8,462	3,442	1,547	1,895	899	1,768	12,925	6,161	4,692	147	1,925	6,598	11,291	815	211	533
1928	12,156	8,702	3,454	1,662	1,791	899	1,888	13,044	6,312	4,832	153	1,747	6,447	11,279	779	376	517
1929	12,029	9,084	2,944	1,368	1,576	947	2,029	12,889	6,260	4,888	76	1,665	6,291	11,179	751	292	458
1930	11,897	8,379	3,517	1,486	2,031	1,142	1,999	13,029	5,837	5,202	152	1,838	6,042	11,244	771	75	402
1931	10,598	6,852	3,746	1,844	1,902	751	1,886	10,889	4,949	4,456	169	1,316	5,121	9,576	652	337	352
Country banks:																	
1927	13,073	8,410	4,663	1,302	3,361	1,070	2,075	13,249	6,201	6,472	50	526	6,184	12,655	664	190	8,420
1928	13,667	8,915	4,751	1,382	3,370	977	2,158	13,566	6,247	6,794	50	473	6,202	12,996	652	330	8,245
1929	13,375	8,936	4,439	1,267	3,172	908	2,258	13,040	5,958	6,590	39	452	5,902	12,492	627	367	7,991
1930	12,519	8,001	4,519	1,159	3,359	975	2,228	12,351	5,332	6,538	53	428	5,280	11,819	595	244	7,588
1931	10,999	6,608	4,392	1,418	2,974	685	1,980	10,417	4,379	5,641	61	336	4,351	9,992	498	441	6,843

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All member banks by districts																	
Boston—																	
1930	2,511	1,750	761	232	530	151	457	2,533	1,298	995	24	216	1,310	2,305	147	19	396
1931	2,185	1,390	794	302	492	95	430	2,143	1,099	853	12	179	1,125	1,979	149	62	373
New York—																	
1930	12,023	8,300	3,724	1,494	2,230	296	2,600	13,050	7,812	3,172	52	2,015	7,746	10,918	1,062	88	914
1931	10,565	6,609	3,956	2,126	1,831	221	2,366	10,735	6,597	2,493	186	1,459	6,684	9,177	796	194	841
Philadelphia—																	
1930	2,733	1,767	966	219	747	148	651	2,576	1,144	1,174	22	238	1,187	2,361	145	41	753
1931	2,558	1,521	1,037	337	700	122	613	2,263	1,028	1,032	30	174	1,039	2,071	126	141	715
Cleveland—																	
1930	3,419	2,262	1,156	446	711	195	619	3,428	1,433	1,653	29	314	1,512	3,165	186	51	757
1931	2,865	1,807	1,058	489	569	124	551	2,697	1,137	1,334	29	196	1,183	2,517	147	129	655
Richmond—																	
1930	1,154	842	312	110	202	98	222	1,192	517	538	18	118	520	1,059	63	32	470
1931	1,050	693	358	157	200	78	200	1,037	450	474	20	93	450	924	51	38	403
Atlanta—																	
1930	989	726	264	112	151	135	184	1,068	506	410	28	124	509	920	63	26	390
1931	906	593	313	154	159	98	174	910	422	369	25	93	428	797	49	48	349
Chicago—																	
1930	4,809	3,406	1,403	538	865	427	781	5,148	2,382	2,135	41	591	2,491	4,626	362	31	1,081
1931	3,882	2,632	1,249	599	650	279	644	4,064	1,937	1,645	34	448	2,042	3,687	286	91	903
St Louis—																	
1930	1,154	787	366	94	272	123	188	1,211	598	470	4	138	616	1,087	70	21	513
1931	1,031	623	407	159	249	73	171	1,028	505	420	8	96	520	939	60	27	465
Minneapolis—																	
1930	851	495	357	122	234	142	118	968	401	460	2	105	398	858	48	5	642
1931	789	441	349	112	237	95	113	861	340	430	3	87	355	785	46	8	579
Kansas City—																	
1930	1,147	717	430	173	258	232	165	1,385	782	372	4	227	802	1,174	88	16	871
1931	1,016	574	442	205	238	159	158	1,146	634	341	5	166	664	1,005	76	29	824
Dallas—																	
1930	822	601	221	118	104	184	166	962	573	234	14	141	574	808	58	6	684
1931	724	480	244	132	112	114	150	784	465	199	22	98	475	673	50	14	617
San Francisco—																	
1930	3,246	2,218	1,028	467	561	325	443	3,593	1,301	1,933	31	329	1,304	3,237	182	19	581
1931	3,005	1,898	1,107	547	560	203	429	3,079	1,089	1,727	39	225	1,103	2,830	140	57	522

[1] Includes rediscounts and overdrafts; excludes acceptances of other banks and bills of exchange sold with indorsement.
[2] Does not include items with Federal reserve banks in process of collection or amounts due from foreign banks or own foreign branches.
[3] Includes reserves for dividends, contingencies, etc., but excludes, beginning 1925, reserves for interest, taxes, and other expenses accrued and unpaid.
[4] "Demand deposits" and "Net demand deposits" revised to include letters of credit and travelers' checks sold for cash, beginning 1920; "Due to banks" revised to include amounts due to own foreign branches, beginning 1927.
[5] Includes certified and cashiers' or treasurers' checks, and letters of credit and travelers' checks sold for cash.
[6] Includes postal-savings deposits, except that such deposits of State banks members are included with demand deposits for 1915.
[7] Includes amounts due to Federal reserve banks, foreign banks, and other banks and bankers; also amounts due to own foreign branches beginning 1927.
[8] Deposits subject to reserve requirements.

Source: Federal Reserve Board.

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No. 238.—ALL MEMBER BANKS OF THE FEDERAL RESERVE SYSTEM: EARNINGS, EXPENSES, AND DIVIDENDS

[All figures, except ratios, in millions and tenths of millions of dollars]

	All member banks							1931	
	1923	1925	1927	1928	1929	1930	1931	National bank members	State banks, etc., members
Principal earning assets, total [1]	26,207.0	29,673.9	32,756.0	34,721.9	35,727.1	35,395.4	33,431.8	20,564.4	12,867.3
Loans [1]	18,532.0	20,809.1	23,006.0	24,153.7	25,614.7	25,018.2	21,732.3	13,117.2	8,615.1
Investments [1]	7,675.0	8,864.8	9,749.9	10,568.2	10,112.5	10,377.2	11,699.5	7,447.2	4,252.3
Capital funds [1 7]	4,380.1	4,589.3	5,162.7	5,622.3	6,360.3	6,722.8	6,395.9	3,747.0	2,648.9
Gross earnings, total	1,719.4	1,918.1	2,120.3	2,284.0	2,474.1	2,228.8	1,911.5	1,194.1	717.4
Interest earned	1,493.8	1,615.6	1,749.0	1,905.7	2,068.9	1,857.5	1,581.9	1,009.8	572.1
Expenses, total	1,232.7	1,367.3	1,515.7	1,613.8	1,683.7	1,604.3	1,335.4	848.3	487.1
Interest paid	590.1	669.1	737.6	798.1	823.5	771.0	600.0	388.9	211.2
Net earnings	486.7	550.8	604.6	670.2	790.4	624.4	576.1	345.9	230.2
Net losses	149.8	131.3	157.6	166.3	233.9	317.9	563.5	400.8	162.7
Net profits	336.9	419.5	447.0	503.9	556.5	306.5	12.7	[3] 54.9	67.6
Dividends declared	257.9	272.7	312.7	327.4	408.6	372.0	335.8	193.7	142.1
Ratios:									
Earning assets per $1 of capital funds	$5.98	$6.47	$6.34	$6.18	$5.62	$5.26	$5.23	$5.49	$4.86
Net profit per $100 of earning assets	$1.29	$1.41	$1.36	$1.45	$1.56	$0.87	$0.04	[3] $0.27	$0.53
Net profit per $100 of capital funds	$7.69	$9.14	$8.66	$8.96	$8.75	$4.56	$0.20	[3] $1.47	$2.55

[1] Figures are averages of amounts for call dates during the year.
[2] Capital, surplus, and undivided profits, including reserves for dividends and contingencies and, for 1923 also reserves for taxes, interest, and other expenses accrued.
[3] Net loss.

No. 239.—ALL REPORTING BANKS IN CONTINENTAL UNITED STATES: LOANS, INVESTMENTS, AND DEPOSITS OF MEMBER AND NONMEMBER BANKS

NOTE.—All figures in millions of dollars. Data include national banks, State commercial banks and trust companies, mutual and stock savings banks, and all private banks under State supervision

Date [1]	Loans			Investments			Deposits [2]		
	All banks	Member banks	Nonmember banks	All banks	Member banks	Nonmember banks	All banks	Member banks	Nonmember banks
1923—June 30	30,378	18,750	11,627	13,360	7,757	5,603	40,688	23,871	16,817
Dec. 31	30,778	18,842	11,936	13,225	7,645	5,580	42,163	24,996	17,167
1924—June 30	31,523	19,204	12,320	13,657	7,963	5,693	43,405	25,711	17,694
Dec. 31	32,440	19,933	12,507	14,742	8,813	5,929	45,835	27,836	17,999
1925—June 30	33,865	20,655	13,210	14,965	8,863	6,102	47,612	28,440	19,172
Dec. 31	35,640	21,996	13,644	14,963	8,888	6,076	49,224	30,029	19,195
1926—June 30	36,157	22,060	14,097	15,404	9,123	6,281	49,733	29,781	19,952
Dec. 31	36,759	22,652	14,106	15,260	8,990	6,269	50,029	30,474	19,555
1927—June 30	37,360	22,938	14,421	16,391	9,818	6,573	51,662	31,269	20,393
Dec. 31	38,407	23,886	14,521	17,043	10,361	6,683	52,909	32,063	20,846
1928—June 30	39,464	24,303	15,161	17,801	10,758	7,043	53,398	32,133	21,265
Dec. 31	40,763	25,155	15,607	17,504	10,529	6,975	56,766	34,826	21,940
1929—June 20	41,512	25,658	15,853	16,962	10,052	6,910	53,352	32,284	21,567
Dec. 31	41,898	26,150	15,748	16,519	9,784	6,735	55,289	33,865	21,424
1930—June 30	40,618	25,214	15,404	17,490	10,442	7,048	54,954	33,690	21,264
Dec. 31	38,135	23,870	14,264	18,074	10,989	7,085	53,039	32,560	20,479
1931—June 30	35,384	21,816	13,568	19,637	12,106	7,531	51,782	31,566	20,216
Dec. 31	31,616	19,261	12,355	18,481	11,314	7,166	46,261	27,432	18,829

[1] Date of reports of member banks; data for nonmember banks are from reports of nearest available date.
[2] Exclusive of interbank deposits. Includes certified and officers' or treasurers' checks and letters of credit and travelers' checks sold for cash.

Source of Tables 238 and: 239 Federal Reserve Board.

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No. 240.—ALL REPORTING BANKS: Number, Resources, Capital and Surplus, and Deposits, on or About June 30

NOTE.—See headnote, Table 241

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits[1]	Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits[1]
1890	8,188	6,350.1	1,414.4	4,069.7	1921	30,812	49,671.4	5,446.0	34,790.9
1895	9,818	7,609.5	1,621.3	4,921.2	1922	30,389	50,425.4	5,641.4	37,143.5
1900	10,382	10,785.9	1,673.1	7,238.9	1923	30,178	54,034.9	5,851.9	39,983.6
1905	16,410	16,918.2	2,516.8	11,350.7	1924	29,348	57,144.7	6,081.6	42,903.8
1910	23,095	22,450.3	3,427.8	14,963.7	1925	28,841	62,057.0	6,343.0	46,715.2
1915	27,062	27,804.1	3,895.8	18,965.7	1926	28,146	64,893.4	6,745.3	48,826.6
1916	27,513	32,271.2	4,044.8	22,526.0	1927	27,061	68,132.6	7,141.0	51,062.1
1917	27,923	37,126.8	4,219.7	26,058.4	1928	26,213	71,574.3	7,671.1	53,244.7
1918	28,880	40,726.4	4,386.3	27,715.5	1929	25,330	72,172.5	8,408.7	53,157.9
1919	29,123	47,615.4	4,619.4	32,629.3	1930	24,079	74,020.1	8,858.4	53,681.1
1920	30,139	53,079.1	5,113.0	37,268.1	1931	22,071	70,209.1	8,462.8	50,504.8

[1] For banks other than national, figures include in addition to demand and time deposits shown in the original reports, a certain amount of deposits not classified as to demand and time. See Table 251 and also headnote Table 241.

Source: Comptroller of the Currency, Treasury Department.

No. 241.—BANKS: Number, Resources, Capital and Surplus, and Deposits for Each Class of Banks

NOTE.—Banks in Alaska, Hawaii, Puerto Rico, and Philippine Islands are included. Data for national banks and in recent years for other classes are as of June 30 or about June 30. In earlier years reports for banks other than national were of various dates. Figures for private banks, which include only those under State supervision and others voluntarily reporting, except for 1880, and for other banks except national for earlier years, especially 1875, 1880, and 1885, are incomplete. For 1910 and 1915, when statistics were compiled from reports from individual banks, and in recent years, the segregation of the classes of banks is fairly accurate. In other years figures for State banks include stock savings banks and loan and trust companies in a number of States, and in some instances private banks. Deposits exclude interbank demand deposits and U. S. deposits; they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks, items at one time included in original figures for demand deposits; they include postal savings

[All figures, except number of banks, in millions and tenths of millions of dollars]

Year	National banks				State (commercial) banks			
	Number of banks	Total resources	Capital and surplus	Demand and time deposits[1]	Number of banks	Total resources	Capital and surplus	Demand and time deposits[1]
1830					329		[2] 110.2	
1840					901	75.7	[2] 657.7	
1850					824	109.6	[2] 532.3	
1860					1,562	253.8	[2] 999.9	
1865	1,294	1,126.5	357.1	398.4				
1870	1,612	1,565.8	518.9	542.3				
1875	2,076	1,913.2	634.7	686.5	551	272.3	75.9	165.9
1880	2,076	2,035.5	574.0	833.7	620	354.9	109.6	208.8
1885	2,689	2,421.9	672.8	1,106.4	975	553.6	155.9	344.3
1890	3,484	3,061.8	854.7	1,521.7	2,292	877.9	243.5	560.4
1895	3,715	3,470.6	906.0	1,736.0	3,774	1,147.5	324.5	712.4
1900	3,732	4,944.2	877.8	2,458.1	4,369	1,759.8	328.4	1,266.7
1905	5,668	7,327.8	1,205.0	3,783.7	7,794	3,190.9	534.2	2,365.2
1910	7,145	9,896.6	1,634.4	5,070.5	12,166	3,695.0	623.4	2,675.4
1915	7,605	11,795.7	1,790.6	6,426.2	14,598	4,399.6	725.1	3,231.0
1919	7,785	21,234.9	1,990.8	11,865.2	17,225	11,701.6	1,226.6	8,968.5
1920	8,030	23,411.3	2,210.6	13,671.8	18,195	14,009.8	1,447.2	10,827.1
1921	8,154	20,517.9	2,300.1	12,373.4	[3] 18,875	14,199.1	1,642.9	10,664.4
1922	8,249	20,706.0	2,356.0	13,229.4	18,232	13,064.4	1,575.4	10,097.9
1923	8,241	21,511.8	2,399.5	14,008.7	18,043	14,162.9	1,612.9	11,120.6
1924	8,085	22,565.9	2,414.6	14,818.8	17,436	14,816.0	1,664.4	11,745.4
1925	8,072	24,350.9	2,488.4	16,320.7	16,983	15,979.2	1,706.7	12,672.8
1926	7,978	25,315.6	2,611.8	17,057.1	16,493	16,579.7	1,789.3	13,145.8
1927	7,796	26,581.9	2,731.1	18,202.8	15,690	16,565.0	1,814.0	12,923.7
1928	7,691	28,508.2	3,013.6	19,300.4	15,078	16,291.0	1,788.7	12,725.1
1929	7,536	27,440.2	3,106.4	18,821.4	14,437	16,824.3	1,960.3	12,816.5
1930	7,252	29,116.5	3,335.3	19,678.8	13,582	15,269.9	1,827.8	11,628.8
1931	6,805	27,642.7	3,181.5	18,685.5	12,259	13,110.1	1,622.0	9,862.0

For footnotes see p. 246.

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No. 241.—Banks: Number, Resources, Etc., for Each Class of Banks—Continued

Year	Number of banks	Total resources	Capital and surplus	Demand and time deposits [1]	Number of banks	Total resources	Capital and surplus	Demand and time deposits [1]
	Loan and trust companies				Private banks			
1875	35	122.9	28.8	85.0				
1880	30	126.9	24.7	90.0	[4] 2,802		[2] [4] 76.1	[4] 182.7
1885	40	248.4	37.1	188.4				
1890	149	503.8	105.3	336.5	1,342	164.0	50.8	101.0
1895	242	807.1	173.1	546.7	1,070	130.6	40.4	81.8
1900	290	1,330.2	239.6	1,028.2	989	126.8	22.6	96.2
1905	683	2,866.0	524.4	1,980.9	1,028	165.2	29.4	127.9
1910	1,091	4,216.9	800.1	3,026.0	934	160.0	25.4	124.0
1915	1,664	5,873.1	927.5	4,177.8	1,036	177.7	29.0	134.1
1919	1,377	7,960.0	942.4	5,676.1	1,017	266.1	28.7	216.2
1920	1,408	8,320.0	985.7	6,061.9	799	212.6	26.4	169.3
1921	1,474	8,181.1	1,053.5	5,601.5	708	175.3	24.0	133.7
1922	1,550	8,533.9	1,095.0	6,490.5	673	185.5	25.7	145.2
1923	1,643	9,499.3	1,198.1	6,825.3	604	165.5	22.4	131.4
1924	1,664	10,323.8	1,293.3	7,779.2	560	150.9	19.8	120.5
1925	1,680	11,565.5	1,366.7	8,530.4	523	155.2	19.5	126.2
1926	1,656	12,205.2	1,487.2	8,893.4	495	174.2	21.0	131.2
1927	1,647	13,994.8	1,678.0	10,074.2	467	164.1	19.3	123.2
1928	1,633	15,230.9	1,889.3	10,874.5	404	148.8	16.6	110.6
1929	1,608	16,155.2	2,395.8	10,959.5	391	156.5	19.4	107.2
1930	1,564	17,702.7	2,679.7	11,688.9	361	114.6	15.7	79.8
1931	1,469	16,861.0	2,588.0	10,663.6	284	82.1	12.0	59.1
	Mutual savings banks [5] [6]				Stock savings banks [5]			
1880	629	881.7	51.2	819.1				
1885	646	1,203.0	88.6	1,095.2				
1890	637	1,486.6	126.1	1,336.0	284	256.0	34.1	214.0
1895	664	1,756.7	136.0	1,597.3	353	297.0	41.3	247.0
1900	652	2,336.5	175.8	2,134.5	350	288.4	29.1	255.2
1905	668	2,967.3	184.6	2,736.5	569	400.9	39.2	356.5
1910	638	3,652.4	249.2	3,360.6	1,121	829.4	95.3	707.2
1915	630	4,319.4	289.7	3,950.6	1,529	1,238.7	133.9	1,046.0
1919	622	5,171.6	333.4	4,751.2	1,097	1,281.3	97.4	1,152.1
1920	620	5,619.0	334.5	5,186.8	1,087	1,506.4	108.6	1,351.2
1921	623	6,040.1	366.4	5,575.1	[3] 978	557.9	59.1	442.8
1922	619	6,351.6	468.2	5,778.9	1,066	1,583.9	121.0	1,401.7
1923	618	6,904.8	496.5	6,288.6	1,029	1,790.7	122.5	1,609.0
1924	613	7,364.7	558.8	6,693.2	990	1,923.4	130.7	1,746.5
1925	611	7,913.0	633.2	7,147.0	972	2,093.1	128.7	1,918.2
1920	620	8,422.3	703.0	7,577.5	904	2,196.4	133.0	2,021.5
1927	618	9,011.2	782.9	8,076.5	843	1,815.5	115.7	1,661.7
1928	616	9,688.2	851.6	8,672.8	791	1,707.2	111.4	1,561.2
1929	611	10,006.5	823.7	9,003.1	747	1,589.8	103.0	1,450.2
1930	606	10,295.3	898.9	9,215.6	714	1,521.1	101.0	1,389.2
1931	600	11,191.8	968.1	10,034.8	654	1,321.4	91.3	1,199.8

[1] See footnote, Table 240. [2] Capital only.

[3] In 1921 returns from California, which in 1920 had shown 106 stock savings banks, included all banks except 1 mutual savings bank with State banks, which accounts for part of the increase in State banks and the greater part of the decrease in stock savings banks. In subsequent years returns showed separate statistics for each class of banks.

[4] Average for all private banks for the 6 months ended May 31, 1880.

[5] Data shown for mutual savings banks, 1880 and 1885, include stock savings banks. For deposits in savings banks for earlier years, see Table 255, p. 257.

[6] Figures given under "Capital and surplus" are surplus funds only.

Source: Comptroller of the Currency, Treasury Department.

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No. 242.—ALL REPORTING BANKS: SUMMARY, BY STATES, JUNE 30, 1931

[All figures, except number of banks, in thousands of dollars]

Division and State	Number of banks	Total resources or liabilities	Loans and discounts, including rediscounts and overdrafts	Investments	Reserve with Federal reserve banks or other reserve agents	Capital, surplus, and undivided profits [1]	Demand deposits [2]	Time deposits (including postal savings) [2]
Grand total	22,071	70,209,149	35,210,500	20,060,153	3,402,189	9,472,977	21,326,210	29,159,361
Continental U. S.	22,007	69,853,483	35,006,019	20,006,732	3,399,886	9,421,710	21,226,833	29,033,576
New England	1,062	8,039,821	4,396,378	2,679,535	203,612	943,605	1,567,924	4,994,463
Maine	122	474,711	229,097	199,186	5,323	51,509	74,513	326,674
New Hampshire	119	323,280	145,493	151,711	3,524	40,220	36,620	230,802
Vermont	103	264,235	145,524	84,557	2,565	29,881	23,553	198,621
Massachusetts	444	4,859,753	2,714,761	1,515,213	133,905	547,661	1,022,249	2,894,271
Rhode Island	35	607,804	276,991	265,638	21,902	69,239	116,938	393,410
Connecticut	239	1,510,038	884,512	463,230	36,393	205,095	294,051	950,685
Middle Atlantic	3,076	32,103,049	15,217,097	9,853,433	1,610,969	4,738,258	9,376,602	12,273,882
New York	1,079	22,474,204	11,139,575	5,987,885	1,181,825	3,144,525	6,724,607	8,015,661
New Jersey	545	2,738,380	1,396,285	883,585	88,341	357,218	775,080	1,426,693
Pennsylvania	1,452	6,890,465	2,681,237	2,981,963	340,803	1,236,515	1,876,915	2,831,528
East North Central	4,807	11,597,887	6,136,152	2,773,795	667,267	1,453,434	3,892,508	4,600,165
Ohio	921	3,052,586	1,763,168	673,686	194,013	383,449	933,212	1,394,475
Indiana	812	1,038,134	468,822	200,201	19,421	124,286	326,474	348,396
Illinois	1,463	4,224,417	2,121,479	1,085,627	205,242	557,466	1,596,629	1,330,889
Michigan	696	2,193,366	1,210,217	515,345	163,582	258,892	709,027	1,009,400
Wisconsin	915	1,089,384	572,466	298,936	85,009	129,341	327,166	517,005
West North Central	5,500	4,524,011	2,237,932	1,233,159	124,783	530,879	1,801,627	1,674,804
Minnesota	937	1,094,839	490,018	359,955	36,528	104,378	340,799	516,611
Iowa	1,138	869,035	495,640	196,180	17,633	97,180	271,995	426,377
Missouri	1,101	1,434,742	683,974	418,444	33,219	187,751	687,590	394,855
North Dakota	302	112,882	60,992	27,572	7,052	13,921	36,102	54,260
South Dakota	320	140,256	71,985	36,623	3,693	17,144	55,938	54,524
Nebraska	727	418,374	209,816	93,640	13,963	45,045	179,001	126,760
Kansas	975	453,833	225,507	100,745	12,695	65,460	230,202	101,417
South Atlantic	2,019	3,763,638	1,941,710	1,004,430	191,398	578,240	1,241,518	1,499,295
Delaware	61	196,726	102,423	63,394	10,107	44,387	78,539	64,602
Maryland	219	1,005,400	456,093	386,571	52,899	128,894	248,727	535,860
Dist. of Col	39	340,180	158,293	91,190	9,907	50,534	135,924	118,901
Virginia	430	622,606	390,251	98,833	14,902	102,705	179,890	250,226
West Virginia	262	375,379	230,654	71,054	27,993	61,334	136,528	144,052
North Carolina	324	366,127	218,725	59,852	35,161	56,989	136,858	112,274
South Carolina	141	178,722	93,965	43,412	2,680	24,516	64,426	68,318
Georgia	350	407,032	215,766	76,003	29,445	69,698	143,476	128,645
Florida	193	271,466	75,540	114,121	8,304	39,183	117,150	76,417
East South Central	1,501	1,492,650	877,868	285,401	52,020	224,772	537,360	511,337
Kentucky	515	531,140	323,304	97,939	9,600	77,950	178,540	182,260
Tennessee	433	476,130	280,687	87,265	12,292	68,659	174,357	166,090
Alabama	286	294,003	170,145	56,452	10,290	52,917	109,629	90,521
Mississippi	267	191,377	103,732	43,745	19,838	25,246	74,834	72,466
West South Central	2,258	2,403,653	1,211,058	514,386	151,410	325,603	1,119,322	560,619
Arkansas	321	188,566	99,948	35,423	23,884	27,349	79,211	56,082
Louisiana	206	513,158	277,311	99,198	16,732	59,648	217,318	141,900
Oklahoma	550	436,690	202,066	125,562	18,406	49,154	214,521	117,556
Texas	1,181	1,265,239	631,713	254,203	92,388	189,452	608,777	245,081
Mountain	847	1,007,603	460,907	301,690	58,238	109,164	397,598	373,167
Montana	166	157,887	65,071	54,692	14,756	17,753	63,639	61,179
Idaho	131	92,536	39,922	27,639	1,681	8,934	41,894	31,738
Wyoming	82	68,204	36,860	15,220	2,523	8,394	28,149	25,027
Colorado	250	327,794	131,427	109,842	22,054	34,878	142,882	113,836
New Mexico	52	45,972	21,691	13,556	1,873	4,755	25,291	11,435
Arizona	37	83,990	34,008	28,693	7,967	10,304	36,246	32,749
Utah	96	184,924	106,130	43,902	6,510	19,008	43,753	76,764
Nevada	33	46,296	25,798	8,146	874	5,138	15,744	20,439
Pacific	937	4,921,171	2,526,917	1,380,903	340,189	517,755	1,291,874	2,545,844
Washington	311	567,473	257,419	182,390	43,250	61,825	191,869	232,998
Oregon	215	310,843	111,759	117,691	20,870	35,031	115,518	123,324
California	411	4,042,855	2,157,739	1,080,822	276,069	420,899	984,487	2,189,522
Alaska	17	13,447	5,289	4,893	----------	1,738	4,990	5,837
Hawaii	19	124,931	68,266	30,872	209	21,746	41,002	50,434
Puerto Rico	16	78,376	53,646	2,190	----------	9,310	17,885	21,120
Philippines	12	138,912	77,280	15,466	2,094	18,473	35,500	48,394

[1] Excludes reserves for dividends, contingencies, etc.

[2] In addition to amounts shown there were deposits of $19,240,000 not classified as to demand or time.

Source: Comptroller of the Currency, Treasury Department.

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No. 243.—NATIONAL BANKS: Principal Resources and Liabilities

Note.—All figures, except number of banks, in millions of dollars. Data include banks in Alaska and Hawaii. Loans and discounts include rediscounts and overdrafts; they exclude acceptances of other banks and bills of exchange or draft sold with indorsement beginning 1921. Undivided profits include reserves for dividends, contingencies, etc., and prior to 1925, also reserves for taxes, interest, etc., accrued. Deposits exclude interbank demand deposits and U. S. deposits; they also exclude dividends unpaid and, beginning 1910, certified and cashiers' checks outstanding, items at one time included in original figures for demand deposits; they include postal savings

On or about June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Demand and time deposits	Note circulation	On or about June 30—	Number of banks	Loans and discounts	Investments	Capital, surplus, undivided profits	Demand and time deposits	Note circulation
1865	1,294	362	407	380	398	131	1900	3,732	2,644	774	1,013	2,458	265
1868	1,640	656	443	529	576	295	1901	4,165	2,981	885	1,062	2,942	319
1869	1,619	686	416	549	574	293	1902	4,535	3,247	945	1,184	3,099	309
1870	1,612	719	409	562	542	291	1903	4,939	3,442	1,066	1,286	3,201	359
1871	1,723	789	425	594	602	308	1904	5,331	3,622	1,131	1,349	3,312	400
1872	1,853	872	438	626	619	327	1905	5,668	3,930	1,239	1,407	3,784	446
1873	1,968	926	445	662	641	339	1906	6,053	4,237	1,283	1,494	4,056	511
1874	1,983	926	451	676	623	339	1907	6,429	4,664	1,446	1,608	4,323	548
1875	2,076	973	443	687	686	318	1908	6,824	4,640	1,572	1,673	4,375	614
1876	2,091	934	427	679	641	294	1909	6,926	5,061	1,648	1,748	4,899	641
1877	2,078	902	431	656	636	290	1910	7,145	5,456	1,612	1,856	5,071	676
1878	2,056	835	460	629	622	300	1911	7,277	5,634	1,762	1,939	5,314	682
1879	2,048	836	715	615	649	307	1912	7,372	5,974	1,861	1,990	5,671	709
1880	2,076	995	451	624	834	318	1913	7,473	6,162	1,889	2,053	5,829	742
1881	2,115	1,145	484	642	1,032	312	1914	7,525	6,445	1,915	2,057	6,125	723
1882	2,239	1,209	471	660	1,067	309	1915	7,605	6,665	2,068	2,105	6,426	723
1883	2,417	1,286	465	707	1,043	312	1916	7,579	7,769	2,352	2,103	7,830	676
1884	2,625	1,270	448	739	979	295	1917	7,604	8,992	3,013	2,217	9,321	660
1885	2,689	1,258	432	725	1,106	269	1918	7,705	10,165	3,957	2,279	10,006	682
1886	2,809	1,399	407	760	1,146	245	1919	7,785	11,027	5,048	2,418	11,865	677
1887	3,014	1,560	329	806	1,285	167	1920	8,030	13,637	4,186	2,684	13,672	688
1888	3,120	1,628	356	842	1,292	155	1921	8,154	11,979	4,025	2,796	12,373	704
1889	3,239	1,779	323	875	1,442	129	1922	8,249	11,193	4,563	2,848	13,229	726
1890	3,484	1,934	311	935	1,522	126	1923	8,241	11,780	5,070	2,876	14,009	720
1891	3,652	1,964	309	988	1,535	124	1924	8,085	11,958	5,142	2,916	14,819	730
1892	3,759	2,128	347	1,011	1,753	141	1925	8,072	12,596	5,730	2,970	16,321	649
1893	3,807	2,020	356	1,029	1,557	155	1926	7,978	13,327	5,842	3,089	17,057	651
1894	3,770	1,944	435	1,001	1,678	172	1927	7,796	13,854	6,393	3,239	18,203	651
1895	3,715	2,017	447	987	1,736	179	1928	7,691	14,927	7,147	3,571	19,300	649
1896	3,689	1,972	464	983	1,668	199	1929	7,536	14,811	6,657	3,675	18,821	649
1897	3,610	1,978	484	963	1,770	197	1930	7,252	14,897	6,888	3,976	19,679	652
1898	3,582	2,164	555	955	2,023	190	1931	6,805	13,185	7,675	3,756	18,685	639
1899	3,583	2,508	651	947	2,522	199							

No. 244.—NATIONAL BANKS: Dividends and Earnings

Note.—The dividends and earnings are for years ending Mar. 1, prior to 1907, and for years ending June 30 thereafter; ratios are based on the capital and surplus as reported at the end of the fiscal year. Net additions to profits are calculated before deducting dividends. Data include banks in Alaska and Hawaii

Yearly average or year (see note above)	Amount (millions of dollars)		Ratio (per cent)			Year (see note above)	Amount (millions of dollars)		Ratio (per cent)		
	Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus		Net addition to profits	Dividends	Dividends to capital	Dividends to capital and surplus	Net addition to profits to capital and surplus
1891–1895	62.7	49.0	7.3	5.4	6.9	1919	240.4	135.6	12.15	6.83	12.11
1896–1900	52.4	45.0	7.2	5.1	6.0	1920	282.1	147.8	12.10	6.70	12.78
1901–1905	102.2	64.0	9.2	6.2	10.0	1921	216.1	158.2	12.42	6.88	9.40
1906–1910[1]	140.7	97.9	11.13	6.91	9.93	1922	183.7	165.9	12.69	7.04	7.79
1909	131.2	93.0	10.12	6.18	8.72	1923	203.5	179.2	13.48	7.47	8.48
1910	154.2	105.9	10.99	6.65	9.67	1924	195.7	163.7	12.27	6.78	8.11
1911	157.0	114.7	11.38	6.83	9.35	1925	223.9	165.0	12.05	6.63	9.00
1912	149.1	120.3	11.66	6.93	8.59	1926	249.2	173.8	12.30	6.65	9.54
1913	161.0	119.9	11.40	6.75	9.06	1927	252.3	180.8	12.26	6.62	9.24
1914	149.3	120.9	11.37	6.80	8.39	1928	270.2	205.4	12.88	6.81	8.96
1915	127.1	113.7	10.63	6.33	7.08	1929	301.8	222.7	13.68	7.17	9.72
1916	157.5	114.7	10.76	6.38	8.76	1930	246.3	237.0	13.59	7.11	7.38
1917	194.3	125.5	11.61	6.79	10.52	1931	52.5	211.3	12.52	6.64	1.65
1918	212.3	129.8	11.82	6.78	11.09						

[1] Annual average for the period Mar. 1, 1905 to July 1, 1910.

Source of Tables 243 and 244: Comptroller of the Currency, Treasury Department.

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No. 245.—NATIONAL BANKS: PRINCIPAL RESOURCES AND LIABILITIES AS OF DECEMBER 31

NOTE.—Data include banks in Alaska and Hawaii

[All figures in millions of dollars.]

	1914	1916	1918	1920	1922	1923	1924	1925	1926
RESOURCES									
Total resources [1]	11,357	15,388	20,544	22,799	21,975	22,406	24,381	25,852	25,684
Loans and discounts [2 3]	6,363	8,438	10,447	13,544	11,552	11,811	12,218	13,423	13,487
United States Government securities	795	717	2,956	2,132	2,657	2,567	2,587	2,523	2,283
Other bonds, stocks, securities, etc	1,332	1,819	1,789	1,990	2,347	2,478	3,076	3,252	3,508
Reserve with Federal reserve banks	262	707	1,180	1,185	1,221	1,181	1,394	1,377	1,359
Items with Federal reserve banks in process of collection			256	423	456	460	487	572	543
Due from banks [4]	1,453	2,276	2,540	1,873	2,230	2,360	2,862	2,855	2,635
Cash in vault	735	882	522	494	392	386	410	390	353
LIABILITIES									
Capital stock	1,066	1,071	1,110	1,272	1,317	1,326	1,335	1,379	1,411
Surplus	727	745	845	1,020	1,076	1,068	1,089	1,167	1,217
Undivided profits [5]	282	362	389	564	529	474	442	476	477
Reserves for interest, taxes, etc., accrued							61	59	61
Circulation outstanding	849	666	677	694	724	726	715	648	646
Due to banks [6]	2,003	3,537	3,637	2,934	3,266	3,135	3,908	3,696	3,431
Demand deposits [7]	4,934	6,792	8,991	9,501	9,529	9,555	10,326	11,112	10,730
Time deposits [8]	1,207	1,936	2,474	3,632	4,319	4,948	5,581	6,047	6,533
United States deposits	72	35	313	212	304	158	153	193	138
Bills payable and rediscounts [3]	132	90	1,381	2,343	512	582	287	526	530

	1927	1928	1929	1930	1931			
					All banks	Central reserve cities	Other reserve cities	Country banks
RESOURCES								
Total resources [1]	28,164	30,589	28,882	28,800	24,662	5,234	9,077	10,351
Loans and discounts [2 3]	14,647	15,291	15,160	14,369	11,927	2,479	4,513	4,935
United States Government securities	2,748	3,009	2,622	2,655	3,176	721	1,292	1,164
Other bonds, stocks, securities, etc	4,152	4,119	3,846	4,437	4,025	515	1,167	2,343
Reserve with Federal reserve banks	1,509	1,496	1,348	1,460	1,138	297	454	386
Items with Federal reserve banks in process of collection	520	4,185	3,413	3,338	2,293	613	966	714
Due from banks [4]	2,433							
Cash in vault	361	388	393	409	380	28	106	246
LIABILITIES								
Capital stock	1,529	1,616	1,704	1,722	1,621	356	552	714
Surplus	1,314	1,490	1,548	1,548	1,382	374	436	572
Undivided profits—net	531	492	497	516	352	53	114	184
Reserves for dividends, contingencies, etc		85	92	109	171	74	56	41
Reserves for interest, taxes, etc., accrued	76	67	72	64	53	12	21	19
Circulation outstanding	650	650	646	643	627	41	54	432
Due to banks [6]	3,661	4,074	3,146	3,342	2,301	865	1,117	319
Demand deposits [7]	11,230	11,781	11,089	10,639	9,071	2,493	3,297	3,281
Time deposits [8]	7,808	8,307	8,434	8,727	7,610	393	2,840	4,377
United States deposits	169	186	103	163	261	100	116	46
Bills payable and rediscounts [3]	481	785	546	256	555	32	199	324

[1] Includes unspecified items.
[2] Includes rediscounts and overdrafts.
[3] Excludes acceptances of other banks and bills of exchange or drafts sold with indorsement beginning 1922.
[4] Includes exchanges for clearing house and other checks on local banks.
[5] Includes reserves for dividends, contingencies, etc.
[6] Includes certified and cashiers' checks, cash letters of credit and travelers' checks, and, beginning 1927, dividend checks outstanding.
[7] Excludes dividends unpaid and certified and cashiers' checks outstanding.
[8] Includes postal savings deposits.

Source: Comptroller of the Currency, Treasury Department.

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No. 246.—NATIONAL BANKS: Number and Total Resources, by States, December 31

Note.—Resources in millions and tenths of millions of dollars. Figures include reserve cities in each State

Division and State	Number of banks					Total resources				
	1920	1924	1928	1930	1931	1920	1924	1928	1930	1931
Grand total	8,130	8,049	7,635	7,038	6,373	22,799.4	24,381.3	30,589.2	28,799.7	24,662.3
Continental U. S.	8,124	8,043	7,629	7,033	6,368	22,788.7	24,369.0	30,573.5	28,753.8	24,618.2
New England	411	394	386	374	355	1,597.7	1,978.7	2,352.7	2,599.1	2,150.9
Maine	63	58	54	52	43	112.1	136.2	164.1	159.7	139.8
New Hampshire	56	54	56	56	52	69.7	74.0	88.0	88.4	84.1
Vermont	49	46	46	45	45	55.5	62.4	80.8	77.0	71.6
Massachusetts	160	157	154	150	144	1,059.4	1,357.5	1,614.9	1,826.5	1,496.6
Rhode Island	17	17	11	10	10	71.0	77.9	64.4	61.9	58.9
Connecticut	66	62	65	61	61	236.0	270.8	340.4	315.6	299.9
Middle Atlantic	1,573	1,654	1,728	1,679	1,555	8,791.3	9,649.8	12,602.7	11,717.0	9,634.8
New York	498	533	565	553	509	5,586.6	5,902.3	8,268.8	7,464.3	5,903.0
New Jersey	217	253	299	295	272	577.6	803.6	1,063.0	1,032.3	930.1
Pennsylvania	858	868	864	831	774	2,627.1	2,943.9	3,270.9	3,220.5	2,801.7
East North Central	1,386	1,382	1,330	1,295	1,065	3,946.9	3,899.9	4,734.7	4,195.7	3,339.3
Ohio	378	358	328	304	268	1,114.5	897.4	917.7	854.3	759.1
Indiana	253	247	224	200	171	420.7	420.9	482.6	454.4	336.1
Illinois	487	499	488	444	382	1,617.3	1,658.9	2,155.5	1,707.4	1,151.3
Michigan	116	122	134	125	106	407.4	501.9	640.8	645.1	1,066.6
Wisconsin	152	156	156	152	138	387.0	420.8	538.1	534.4	476.2
West North Central	1,598	1,514	1,314	1,213	1,091	2,458.7	2,483.1	2,472.3	2,229.3	1,981.7
Minnesota	340	330	278	258	239	626.9	700.1	697.5	680.8	629.1
Iowa	357	344	269	223	188	450.2	406.9	365.6	316.5	257.1
Missouri	133	131	134	122	109	673.4	663.9	696.9	562.7	520.5
North Dakota	180	165	133	107	86	99.3	112.1	96.9	83.0	69.8
South Dakota	136	114	96	92	79	104.8	90.8	82.8	75.7	64.9
Nebraska	187	173	156	167	158	266.3	254.3	254.7	260.9	217.2
Kansas	265	257	248	244	232	237.8	255.0	277.9	249.7	223.2
South Atlantic	733	732	669	581	511	1,674.0	1,811.6	1,990.8	1,684.3	1,486.1
Delaware	18	18	17	16	16	21.6	23.6	27.0	24.9	24.0
Maryland	92	84	83	73	69	295.6	291.9	309.9	230.1	218.3
Dist. of Col	15	13	12	12	12	111.4	144.5	173.6	183.5	181.0
Virginia	167	182	165	155	144	409.7	408.2	399.6	371.4	328.6
West Virginia	123	124	119	111	87	199.6	204.5	208.9	192.6	156.2
North Carolina	87	84	75	56	44	169.9	191.4	206.0	116.6	91.6
South Carolina	82	79	55	34	24	143.0	138.9	138.7	91.0	70.6
Georgia	94	93	81	71	65	194.9	205.3	285.2	277.6	242.8
Florida	55	55	62	53	50	128.3	203.3	246.9	196.5	173.0
East South Central	367	382	385	348	313	687.7	764.9	980.0	846.6	741.6
Kentucky	133	138	140	126	119	253.5	276.0	330.3	244.0	210.6
Tennessee	98	106	102	94	84	226.2	229.4	289.6	296.6	274.2
Alabama	105	102	107	97	84	152.3	180.0	261.8	225.8	199.1
Mississippi	31	36	36	31	26	55.7	79.5	98.3	80.2	57.7
West South Central	1,035	1,099	1,068	912	838	1,428.9	1,657.9	1,958.1	1,629.5	1,369.0
Arkansas	85	87	78	54	51	82.1	104.1	106.9	72.9	61.7
Louisiana	39	33	33	30	29	155.2	128.2	148.1	132.5	127.2
Oklahoma	355	407	325	268	250	360.7	425.6	470.6	395.7	314.1
Texas	556	572	632	560	508	830.9	1,000.0	1,230.5	1,028.4	865.9
Mountain	528	414	336	308	283	672.2	624.7	676.8	619.7	533.4
Montana	145	91	70	59	55	109.3	87.2	111.9	94.8	82.3
Idaho	86	67	44	41	35	82.4	62.3	56.6	44.9	35.6
Wyoming	47	32	26	25	25	64.8	46.9	46.8	42.7	38.3
Colorado	142	140	123	116	105	249.9	289.2	293.5	280.4	242.3
New Mexico	48	33	28	27	26	44.8	29.9	40.0	35.6	30.2
Arizona	21	19	15	13	11	35.0	29.2	37.7	34.7	27.7
Utah	28	21	20	17	16	69.0	61.5	67.3	64.7	55.8
Nevada	11	11	10	10	10	17.0	18.5	23.0	21.9	21.2
Pacific	493	472	413	393	357	1,531.7	1,498.5	2,807.4	3,302.7	2,881.3
Washington	94	111	110	103	92	257.3	305.8	357.0	337.8	293.3
Oregon	91	98	93	93	84	188.2	193.3	232.6	232.1	213.2
California	308	263	210	197	181	1,086.2	999.4	2,217.9	2,732.9	2,374.8
New York City[1]	*31*	*35*	*22*	*19*	*14*	*4,638.0*	*4,681.6*	*6,789.0*	*6,048.0*	*4,622.9*
Chicago[1]	*10*	*13*	*10*	*10*	*8*	*1,039.1*	*1,005.7*	*1,371.0*	*986.1*	*611.0*
Alaska	3	4	4	4	4	2.3	3.5	5.1	5.2	5.0
Hawaii	3	2	2	1	1	8.4	8.8	10.6	40.6	39.1

[1] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

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No. 247.—NATIONAL BANKS: SUMMARY, BY STATES, DECEMBER 31, 1931

NOTE.—All money figures in thousands. Figures include reserve cities in each State

Division and State	Number of banks	Total resources or liabilities	Loans and discounts [1]	Investments	Reserve with Federal reserve banks	Capital, surplus, and undivided profits [2]	National bank circulation	Demand deposits	Time deposits (including postal savings)
Grand total	**6,373**	**24,662,286**	**11,926,828**	**7,201,425**	**1,137,747**	**3,354,658**	**627,490**	**9,071,452**	**7,610,436**
Continental U. S.	**6,368**	**24,618,214**	**11,904,779**	**7,188,836**	**1,137,747**	**3,348,566**	**624,234**	**9,056,329**	**7,594,468**
New England	**355**	**2,150,909**	**1,069,180**	**595,855**	**121,760**	**316,483**	**44,100**	**841,984**	**633,282**
Maine	43	139,828	64,777	57,731	4,701	16,641	4,337	25,123	85,141
New Hampshire	52	84,141	38,822	30,675	3,341	13,733	4,672	31,421	25,644
Vermont	45	71,595	33,688	28,780	2,478	9,744	4,273	12,518	40,190
Massachusetts	144	1,496,561	739,395	378,743	98,946	215,488	16,930	634,967	368,353
Rhode Island	10	58,897	29,012	21,869	2,299	11,887	3,294	20,609	17,050
Connecticut	61	299,887	163,486	78,057	9,995	48,990	10,594	117,346	96,904
Middle Atlantic	**1,555**	**9,634,796**	**4,466,480**	**2,971,885**	**428,497**	**1,456,228**	**181,040**	**3,628,699**	**2,441,920**
New York	509	5,902,965	2,747,593	1,626,272	279,065	885,846	76,274	2,493,788	978,522
New Jersey	272	930,142	437,796	330,276	33,951	114,492	24,372	278,419	435,930
Pennsylvania	774	2,801,689	1,281,091	1,015,337	115,481	455,890	80,394	856,492	1,027,468
East North Central	**1,065**	**3,839,324**	**1,978,366**	**1,002,688**	**196,668**	**469,435**	**109,850**	**1,441,187**	**1,296,379**
Ohio	268	759,101	389,518	210,188	32,050	111,339	30,597	274,351	253,169
Indiana	171	386,057	178,529	110,833	16,953	49,811	22,477	145,703	125,245
Illinois	382	1,151,318	544,077	329,442	86,918	140,462	24,503	538,216	246,811
Michigan	106	1,066,648	616,475	222,010	40,599	108,663	16,662	325,863	479,560
Wisconsin	138	476,200	249,767	130,215	20,148	59,160	15,611	157,054	191,594
West North Central	**1,091**	**1,981,740**	**899,305**	**617,245**	**100,744**	**213,729**	**50,701**	**783,323**	**623,565**
Minnesota	239	629,083	286,640	196,217	30,126	63,997	13,564	212,601	248,208
Iowa	188	257,120	116,946	81,995	12,048	26,510	9,481	91,598	94,818
Missouri	109	520,494	242,065	160,432	29,181	56,076	7,971	229,561	119,948
North Dakota	86	69,769	32,140	22,717	2,776	7,867	2,545	22,735	32,469
South Dakota	79	64,906	26,495	24,723	2,721	7,429	1,584	24,920	24,318
Nebraska	158	217,216	100,219	60,534	12,477	23,060	6,323	94,388	52,901
Kansas	232	223,152	94,800	70,627	11,415	28,790	9,233	107,520	50,903
South Atlantic	**511**	**1,486,119**	**711,930**	**440,350**	**58,370**	**213,200**	**60,233**	**486,145**	**532,993**
Delaware	16	24,001	10,872	9,731	793	5,397	914	6,671	9,292
Maryland	69	218,303	86,710	87,732	7,476	28,009	8,140	58,573	91,357
Dist. of Col.	12	180,998	76,908	57,611	9,448	22,623	4,390	72,442	59,218
Virginia	144	328,637	198,536	69,348	12,575	50,104	17,736	97,174	130,983
West Virginia	87	156,214	90,715	34,441	5,522	22,982	9,377	51,843	56,103
North Carolina	44	91,590	54,375	18,356	3,082	17,027	5,740	25,409	29,842
South Carolina	24	70,592	35,587	16,373	2,174	9,121	3,022	22,798	24,059
Georgia	65	242,775	114,043	61,455	8,735	34,201	6,948	81,906	77,442
Florida	50	173,009	44,184	85,303	8,565	23,736	3,966	69,329	54,697
East South Central	**313**	**741,585**	**415,332**	**164,468**	**30,309**	**105,553**	**40,520**	**258,476**	**244,560**
Kentucky	119	210,591	122,008	49,201	8,865	27,322	10,793	81,601	69,179
Tennessee	84	274,171	161,806	49,201	10,337	37,429	14,643	83,644	96,283
Alabama	84	199,115	102,984	49,985	8,025	33,167	13,089	73,091	56,747
Mississippi	26	57,708	28,534	16,081	3,082	7,635	1,995	20,140	23,351
West South Central	**838**	**1,368,968**	**649,817**	**357,845**	**69,169**	**188,264**	**54,238**	**598,892**	**295,144**
Arkansas	51	61,727	27,512	20,740	2,887	9,136	3,076	19,770	22,981
Louisiana	29	127,201	70,846	25,443	5,257	15,364	5,898	51,299	21,073
Oklahoma	250	314,130	138,485	101,898	16,820	37,695	5,646	143,957	83,399
Texas	508	865,910	412,974	209,764	44,205	126,069	39,618	383,866	167,691
Mountain	**283**	**533,448**	**204,221**	**195,585**	**28,439**	**55,772**	**15,480**	**221,339**	**182,579**
Montana	55	82,298	27,706	34,329	3,846	9,054	2,042	32,682	32,291
Idaho	35	35,553	15,444	10,956	1,465	3,748	1,557	14,638	12,678
Wyoming	25	38,349	18,079	10,724	1,790	4,586	1,488	15,921	13,122
Colorado	105	242,328	88,526	92,506	14,988	24,480	4,255	104,379	84,239
New Mexico	26	30,186	12,625	10,201	1,434	3,022	1,356	15,841	7,646
Arizona	11	27,666	8,921	12,270	1,029	3,239	1,123	10,572	11,226
Utah	16	55,833	22,162	18,265	3,061	5,355	2,415	21,506	13,094
Nevada	10	21,235	10,758	6,334	826	2,288	1,244	6,300	8,283
Pacific	**357**	**2,881,325**	**1,510,148**	**842,915**	**103,791**	**329,902**	**68,072**	**795,784**	**1,344,046**
Washington	92	293,319	123,111	103,105	13,322	35,158	12,173	108,428	100,714
Oregon	84	213,159	65,807	100,427	10,081	22,201	9,502	72,300	84,006
California	181	2,374,847	1,321,230	639,383	80,388	272,543	46,397	615,056	1,159,326
New York City [3]	*14*	*4,622,926*	*2,164,095*	*1,104,968*	*234,677*	*720,316*	*40,343*	*2,138,826*	*358,189*
Chicago [3]	*8*	*611,020*	*314,792*	*130,924*	*62,650*	*62,339*	*400*	*354,270*	*34,929*
Alaska	4	5,015	1,717	1,868	----------	529	106	1,978	1,969
Hawaii	1	39,057	20,332	10,721	----------	5,563	3,150	13,145	13,999

[1] Includes rediscounts and overdrafts. [2] Excludes reserves for dividends, contingencies, etc.
[3] Central reserve city banks; included in figures for respective States.

Source: Comptroller of the Currency, Treasury Department.

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No. 248.—NATIONAL BANKS: Loans and Discounts, by Reserve Cities and States, December 31

NOTE.—Notes and bills rediscounted and overdrafts are included. Acceptances of other banks and bills of exchange or drafts sold with indorsement are excluded

[All figures in thousands of dollars]

City, State, or Territory	1929	1930	1931
Grand total	15, 180, 227	14, 369, 427	11, 926, 828
Continental U. S.	15, 136, 414	14, 346, 762	11, 904, 779
New York City [1]	2, 480, 079	2, 791, 742	2, 164, 095
Chicago [1]	558, 966	501, 460	314, 792
Other reserve cities	5, 443, 178	5, 131, 264	4, 512, 570
Boston	726, 780	715, 850	507, 205
Brooklyn and Bronx	26, 681	25, 767	17, 454
Buffalo	5, 066	2, 587	1, 765
Philadelphia	488, 530	465, 186	363, 376
Pittsburgh	239, 770	214, 040	152, 220
Cincinnati	58, 553	54, 065	49, 876
Cleveland	98, 260	87, 542	72, 035
Columbus	50, 031	46, 773	51, 813
Toledo	7, 682	6, 075	4, 771
Indianapolis	57, 460	53, 202	47, 531
Chicago	60, 992	48, 653	16, 717
Peoria	21, 824	24, 216	18, 098
Detroit	200, 047	179, 083	480, 175
Grand Rapids	14, 986	14, 440	11, 353
Milwaukee	143, 088	138, 559	125, 325
Minneapolis	134, 149	123, 065	109, 582
St. Paul	72, 999	60, 049	74, 215
Cedar Rapids	14, 229	12, 879	9, 441
Des Moines	28, 136	25, 620	22, 074
Dubuque	5, 157	4, 849	4, 396
Sioux City	17, 610	7, 773	7, 669
Kansas City, Mo.	82, 889	73, 444	62, 850
St. Joseph	14, 090	13, 205	9, 528
St. Louis	154, 949	146, 926	125, 652
Lincoln	17, 026	14, 822	12, 445
Omaha	57, 261	48, 595	40, 677
Kansas City, Kans.	7, 307	7, 339	7, 520
Topeka	7, 864	7, 896	7, 244
Wichita	19, 880	14, 763	9, 816
Baltimore	84, 505	46, 105	30, 893
Washington	91, 790	89, 359	76, 908
Richmond	37, 695	33, 919	27, 717
Charlotte	15, 022	11, 655	9, 817
Atlanta	66, 790	56, 620	41, 622
Savannah	53, 437	52, 053	40, 700
Jacksonville	31, 893	22, 420	16, 036
Louisville	68, 391	32, 503	34, 337
Memphis	37, 439	28, 899	25, 512
Nashville	56, 882	50, 576	44, 850
Birmingham	49, 989	44, 041	34, 102
Little Rock	3, 433	[2]	[2]
New Orleans	31, 469	29, 580	27, 409
Muskogee	5, 727	[2]	[2]
Oklahoma City	47, 946	52, 128	40, 103
Tulsa	70, 572	65, 046	42, 452
Dallas	101, 589	86, 016	77, 354
El Paso	16, 404	14, 125	5, 827
Fort Worth	53, 865	45, 816	36, 883
Galveston	15, 883	19, 637	15, 045
Houston	88, 526	81, 880	65, 055
San Antonio	34, 405	29, 539	22, 208
Waco	12, 351	9, 842	8, 961
Helena	4, 994	2, 770	2, 208
Denver	74, 854	60, 401	47, 570
Pueblo	5, 787	5, 597	4, 576
Ogden	5, 561	3, 737	3, 521
Salt Lake City	22, 632	18, 460	13, 940
Seattle	76, 393	66, 531	59, 867
Spokane	18, 007	16, 456	13, 659
Portland	55, 619	45, 836	31, 932
Los Angeles	492, 102	461, 868	416, 331
Oakland	22, 324	22, 340	20, 750
San Francisco	755, 607	888, 246	751, 602
Country banks [3]	6, 654, 191	5, 922, 296	4, 913, 322
New England	686, 236	642, 434	561, 975
Maine	75, 354	74, 517	64, 777
New Hampshire	44, 851	43, 550	38, 822
Vermont	42, 314	37, 790	33, 688
Massachusetts	294, 039	271, 849	232, 190
Rhode Island	35, 368	33, 227	29, 012
Connecticut	194, 310	181, 501	163, 486
Middle Atlantic	2, 241, 080	2, 055, 798	1, 767, 570
New York	710, 127	652, 507	564, 279
New Jersey	602, 064	523, 909	437, 796
Pennsylvania	928, 889	879, 382	765, 495
East North Central	1, 146, 468	1, 009, 574	785, 880
Ohio	299, 189	267, 504	211, 023
Indiana	204, 905	176, 508	130, 998
Illinois	312, 892	258, 503	194, 470
Michigan	169, 223	157, 661	124, 947
Wisconsin	160, 259	149, 398	124, 442
West North Central	555, 203	499, 942	396, 196
Minnesota	136, 335	122, 239	102, 843
Iowa	118, 024	98, 856	73, 366
Missouri	60, 107	55, 142	44, 035
North Dakota	44, 717	39, 822	32, 140
South Dakota	37, 150	35, 231	26, 495
Nebraska	61, 118	63, 318	47, 097
Kansas	97, 752	85, 334	70, 220
South Atlantic	676, 664	572, 457	466, 237
Delaware	13, 699	11, 907	10, 872
Maryland	66, 739	63, 130	55, 817
Virginia	219, 359	200, 984	170, 819
West Virginia	129, 435	118, 228	90, 715
North Carolina	76, 231	57, 746	44, 558
South Carolina	66, 150	45, 281	35, 587
Georgia	47, 463	39, 122	31, 721
Florida	57, 588	36, 059	28, 148
East South Central	384, 432	336, 395	276, 531
Kentucky	116, 447	106, 027	87, 671
Tennessee	119, 314	102, 174	91, 444
Alabama	95, 806	83, 090	68, 882
Mississippi	52, 865	45, 104	28, 534
West South Central	478, 285	387, 722	308, 520
Arkansas	48, 625	35, 407	27, 512
Louisiana	57, 810	49, 934	43, 437
Oklahoma	81, 751	70, 282	55, 936
Texas	290, 099	232, 099	181, 641
Mountain	190, 382	161, 573	132, 406
Montana	41, 652	33, 429	25, 498
Idaho	24, 827	21, 295	15, 444
Wyoming	21, 365	18, 937	18, 079
Colorado	49, 912	43, 795	36, 380
New Mexico	18, 229	15, 247	12, 625
Arizona	15, 692	12, 263	8, 921
Utah	6, 883	5, 826	4, 701
Nevada	11, 822	10, 781	10, 758
Pacific	295, 441	256, 401	216, 007
Washington	75, 780	65, 223	49, 585
Oregon	46, 468	41, 081	33, 875
California	173, 193	150, 097	132, 547
Alaska	2, 253	2, 116	1, 717
Hawaii	21, 560	20, 549	20, 332

[1] Central reserve city banks. [2] Terminated as a reserve city. [3] In Continental United States.

Source: Comptroller of the Currency, Treasury Department.

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No. 249.—NATIONAL BANKS: Classification of Loans and Discounts as of December 31

[All figures in thousands of dollars]

Class	1928	1929	1930	1931
Total [1]	15,291,269	15,160,227	14,369,427	11,926,828
Acceptances of other banks payable in United States	94,693	152,702	169,583	69,066
Notes, bill, acceptances, and other instruments evidencing loans payable in foreign countries	61,256	39,049	35,425	24,842
Commercial paper bought in open market	301,231	241,249	279,450	97,190
Loans to banks and trust companies	402,268	409,212	407,781	433,217
On securities			190,852	244,077
All other			216,929	189,140
Loans secured by United States Government and other securities (exclusive of loans to banks)	5,527,327	5,271,033	5,112,826	3,882,960
Real estate loans, mortgages, deeds of trust, and other liens on real estate	1,293,561	1,482,570	1,576,170	1,684,925
On farm land	309,863	299,477	301,688	291,937
On other real estate	983,698	1,183,093	1,274,482	1,392,988
All other loans, including reporting banks' own acceptances purchased or discounted [1]	7,610,933	7,564,412	6,788,192	5,734,628
MEMORANDA				
Loans secured by United States Government obligations	135,603	129,777	118,035	123,969
Total loans eligible for rediscounts with Federal reserve banks	3,008,653	2,957,992	2,490,879	1,826,900

[1] Includes overdrafts.

Source: Comptroller of the Currency, Treasury Department.

No. 250.—NATIONAL BANKS: Investments, by Classes

Note.—Data are as of June 30 prior to 1928; thereafter as of Dec. 31

[All figures in millions and tenths of millions of dollars]

Class of security	1914	1920	1924	1926	1928	1929	1930	1931
Total	1,914.9	4,186.5	5,142.3	5,842.3	7,127.3	6,457.8	7,092.1	7,201.4
Bonds, domestic:								
U. S. Government [1]	799.3	2,269.6	2,481.8	2,469.3	3,008.7	2,612.1	2,654.8	3,176.5
State and local government	176.0	338.4	505.5	647.8	773.5	792.1	963.0	968.0
Railroad	341.7	416.4	573.6	631.4	642.4	579.0	699.1	679.9
Other public-service corporations	218.2	283.1	397.6	545.0	720.8	687.1	815.6	721.3
All other bonds	[2] 284.4	309.8	575.7	772.8	952.4	856.9	907.5	766.8
Stocks, domestic:								
Federal reserve banks		65.3	72.3	78.7	92.3	97.4	99.9	94.9
Other corporations	[3] 43.7	49.4	74.8	90.6	102.7	102.8	112.5	106.7
Claims, warrants, judgments, etc	35.9	67.7	90.6	79.4	166.6	134.8	185.6	161.5
Collateral trust and other corporation notes		145.9	105.9	154.8	141.0	112.1	133.0	124.8
Foreign securities:								
Government bonds	10.0	180.0	179.5	225.9	265.4	233.1	254.4	198.3
All other	5.6	61.0	85.1	146.5	261.5	250.4	266.6	202.7

[1] Includes all United States securities.

[2] Includes various securities amounting to $56,781,000 with the Treasury as security for public deposits.

[3] Includes $900,000 erroneously shown by banks on face of banks' reports as bonds, etc.

Source: Comptroller of the Currency, Treasury Department.

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No. 251.—BANKS OTHER THAN NATIONAL: PRINCIPAL RESOURCES AND LIABILITIES

NOTE.—Data relate in general to June 30. Banks in Alaska, Hawaii, Puerto Rico, and Philippine Islands are included

[All figures, except number of banks, in thousands of dollars]

	1910	1915	1920	1925	1929	1930
Number reporting	15,950	19,457	22,109	20,769	17,794	16,827
Resources	**12,553,696**	**16,008,445**	**29,667,855**	**37,706,174**	**44,732,277**	**44,903,585**
Loans and discounts [1]	7,065,907	9,093,528	17,263,796	21,073,990	26,621,803	25,612,904
Investments	3,111,410	3,813,563	7,201,060	9,669,669	10,692,203	11,056,557
Lawful reserve	1,191,401	1,644,964	2,712,040	1,392,046	1,847,249	2,011,426
Other amounts due from banks				2,088,561	1,713,338	1,640,656
Exchanges for clearing house, checks, and other cash items	137,664	126,589	533,952	1,042,599	906,766	1,587,148
Cash on hand	558,356	599,945	626,027	591,681	521,925	523,463
All other	488,958	729,856	1,330,980	1,847,628	2,428,993	2,471,431
Liabilities	**12,553,696**	**16,008,445**	**29,667,855**	**37,706,174**	**44,732,277**	**44,903,585**
Capital stock	890,377	1,094,322	1,478,473	1,800,276	2,169,603	2,145,445
Surplus	903,060	1,010,829	1,423,962	2,054,406	3,132,646	3,377,660
Undivided profits—net					609,882	608,931
Reserves for dividends, contingencies, etc., and for interest, taxes, etc., accrued and unpaid	191,136	325,022	429,473	525,728	149,459	216,922
Demand deposits					13,845,896	13,172,315
Time deposits [2]	9,893,161	12,539,469	23,596,312	30,394,519	20,470,522	20,712,790
Deposits not classified					20,121	117,199
Due to banks [3]	428,264	668,671	948,856	1,623,114	1,918,145	2,534,249
Bills payable and rediscounts	83,743	128,094	1,078,792	446,295	916,196	436,784
All other	163,955	242,037	711,987	861,836	1,499,807	1,581,290

	1931					
	Total	State banks	Loan and trust companies	Stock savings banks	Mutual savings banks	Private banks
Number reporting	15,266	12,259	1,469	654	600	284
Resources	**42,568,451**	**13,110,127**	**16,860,990**	**1,321,401**	**11,191,788**	**82,145**
Loans and discounts [1]	22,025,225	7,302,336	7,865,690	761,485	6,051,133	44,581
Investments	12,385,316	2,937,642	4,589,659	365,912	4,475,169	16,934
Lawful reserve	1,984,093	814,368	1,058,734	75,846	33,566	1,579
Other amounts due from banks	1,779,575	790,273	615,469	44,695	320,619	8,519
Exchanges for clearing house, checks, and other cash items	1,092,344	130,069	957,102	3,095	1,852	226
Cash on hand	515,738	274,922	186,193	14,738	38,229	1,656
All other	2,784,160	860,517	1,588,143	55,630	271,220	8,650
Liabilities	**42,568,451**	**13,110,127**	**16,860,990**	**1,321,401**	**11,191,788**	**82,145**
Capital stock paid in	1,982,335	956,206	967,432	51,855		6,842
Surplus	3,298,975	665,752	1,620,525	39,399	968,121	5,178
Undivided profits—net	566,536	200,992	186,896	11,980	165,417	1,251
Reserves for dividends, contingencies, etc., and for interest, taxes, etc., accrued and unpaid	262,461	115,599	135,017	2,870	8,834	141
Demand deposits	11,220,325	4,581,490	6,493,383	114,195	3,718	27,539
Time deposits [2]	20,579,771	5,274,952	4,157,143	1,085,008	10,031,124	31,544
Deposits not classified	19,240	5,538	13,106	566		30
Due to banks [3]	2,634,205	693,298	1,933,408	6,524	489	486
Bills payable and rediscounts	304,087	180,357	109,631	4,223	4,528	5,348
All other	1,698,516	435,943	1,244,449	4,781	9,557	3,786

[1] Includes rediscounts and overdrafts.
[2] Includes postal savings.
[3] Includes certified and cashiers' checks and, beginning 1929, dividend checks and cash letters of credit and travelers' checks outstanding.

Source: Comptroller of the Currency, Treasury Department.

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No. 252.—CERTAIN MAJOR ITEMS OF SAVINGS OF THE UNITED STATES

NOTE.—**In millions of dollars.** Increase in savings and other time deposits is for fiscal years ended June 30; increase in assets of building and loan associations includes figures for calendar years for some States and fiscal years for others; other data are for calendar years. The last column should not be added to other items, as there is much duplication between it and them. For example, savings banks and life-insurance companies both invest their assets in the securities of corporations. On the other hand, many forms of savings, some of large amount, are not listed

Year	Increase in savings and other time deposits, all banks [1]	Increase in assets of building and loan associations	Premiums paid to life-insurance companies, less operating expenses			Additions to surpluses of corporations [2]	New capital issues
			Total	Ordinary companies	Industrial companies		
1913	144	111	524	374	150	----------	----------
1918	659	129	706	502	203	----------	----------
1919	1,506	228	840	566	274	----------	3,588
1920	2,274	408	931	610	321	----------	3,635
1921	1,187	356	1,088	719	369	----------	3,577
1922	1,078	452	1,198	779	419	1,747	4,304
1923	2,148	600	1,322	833	489	2,528	4,304
1924	1,462	823	1,514	947	567	1,575	5,593
1925	1,945	743	1,694	1,046	647	2,957	6,220
1926	1,562	825	1,873	1,145	729	2,335	6,344
1927	1,395	822	2,079	1,269	810	1,115	7,791
1928	2,322	860	2,296	1,372	924	2,479	8,114
1929	[3] *195*	679	2,430	1,433	997	2,320	10,183
1930	267	129	2,573	1,493	1,079	----------	7,023
1931	[3] *270*	[3] *412*	----------	----------	----------	----------	3,108

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Net profit less cash dividends and income and profits tax as compiled from income tax returns.
[3] Decrease.

Sources: See sources of Tables 182, 253, 259, 287, and 299.

No. 253.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN BANKS AND TRUST COMPANIES: CONTINENTAL UNITED STATES

NOTE.—Savings and other time depositors in State banks and trust companies, stock savings and private banks, are not shown for earlier years, as data are very incomplete. Figures for this class of banks and totals exclude 6 States in 1926 and 1927, 4 in 1928 to 1930, and 3 in 1931 and include for a number of others incomplete or estimated data or data for an earlier year

On or about June 30—	Savings and other time deposits (millions of dollars) [1]				Savings and other time depositors (thousands)			
	All banks	Mutual savings banks	State, etc., banks [2]	National banks	All banks	Mutual savings banks	State, etc., banks [2]	National banks
1910	6,835	[3] [4]	[3]	1,014	----------	[4]	----------	2,087
1911	7,963	3,459	3,024	1,480	----------	7,691	----------	2,341
1912	8,404	3,609	3,260	1,536	----------	7,880	----------	2,675
1913	8,548	3,812	3,368	1,369	----------	8,034	----------	2,965
1914	8,712	3,910	3,348	1,454	----------	7,901	----------	[5]
1915	8,807	3,945	3,541	1,321	----------	7,643	----------	[5]
1916	9,459	4,102	3,641	1,716	----------	7,917	----------	[5]
1917	10,876	4,339	4,364	2,173	----------	8,651	----------	[5]
1918	11,535	4,382	4,817	2,336	----------	8,326	----------	[5]
1919	13,040	4,732	5,532	2,776	----------	9,040	----------	6,763
1920	15,189	5,058	6,668	3,463	----------	9,079	----------	7,980
1921	16,501	5,568	7,265	3,677	----------	9,662	----------	8,109
1922	17,579	5,818	7,687	4,074	----------	9,687	----------	8,873
1923	19,727	6,273	8,767	4,686	----------	10,045	----------	9,899
1924	21,189	6,693	9,337	5,158	----------	10,384	----------	10,068
1925	23,134	7,152	10,172	5,810	----------	10,639	----------	11,865
1926	24,696	7,525	10,993	6,178	46,762	10,950	23,242	12,570
1927	26,091	8,040	10,963	7,088	48,355	11,190	22,828	14,337
1928	28,413	8,668	11,695	8,050	[6] 53,188	11,643	25,364	16,181
1929	28,218	8,904	11,426	7,889	[6] 52,764	11,875	25,467	15,422
1930	28,485	9,206	11,183	8,097	[6] 52,769	12,077	25,155	15,537
1931	28,215	10,034	10,136	8,045	[6] 51,399	12,544	23,662	15,193

[1] Excluding State, county, and municipal deposits and amounts redeposited by banks.
[2] Includes State, stock savings, and private banks and trust companies.
[3] Combined data for other than national banks included in total.
[4] For data for 1910 and earlier years from reports of the Comptroller of Currency, see Table 255.
[5] Not available.
[6] Includes depositors in State chartered banks in Ohio and Idaho (2,376,000 in 1928, 2,400,000 in 1929, 2,367,000 in 1930, and 2,256,000 in 1931) not included in 1926 and 1927. The 1931 figure also includes 623,000 depositors for State chartered banks in Missouri which did not report depositors in earlier year. See also headnote.

Source: American Bankers' Association.

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No. 254.—SAVINGS AND OTHER TIME DEPOSITS AND DEPOSITORS IN ALL BANKS AND TRUST COMPANIES: BY STATES, ON OR ABOUT JUNE 30

Divison and State	Savings and other time deposits (millions of dollars)							Savings and other time depositors (thousands)	
	1910 [1]	1915	1920	1925	1929	1930	1931	1930	1931
Continental U.S.	6,835.5	8,807.4	15,188.6	23,134.1	28,217.7	28,485.0	28,214.9	52,769	51,399
New England	1,480.6	1,850.9	2,639.9	3,750.2	4,720.4	4,832.3	4,950.7	7,556	7,493
Maine	128.6	160.3	204.6	265.7	315.9	319.3	326.1	674	667
New Hampshire	88.7	112.2	147.8	190.5	236.6	227.1	230.0	370	372
Vermont	74.3	101.7	133.1	173.4	211.1	205.1	199.1	328	322
Massachusetts	783.6	[2] 988.6	[2] 1,471.6	2,139.5	2,710.8	2,800.1	2,868.5	4,193	4,158
Rhode Island	123.9	158.0	215.4	299.2	360.0	372.6	388.3	408	410
Connecticut	281.5	330.0	467.5	681.9	885.9	908.2	938.7	1,583	1,564
Middle Atlantic	2,652.4	3,193.0	4,705.3	8,773.6	11,211.1	11,789.6	12,131.7	19,130	18,574
New York	1,825.3	2,223.4	2,807.8	5,546.1	7,183.5	7,616.2	7,901.8	9,842	9,666
New Jersey	234.4	297.2	576.9	1,040.0	1,301.8	1,397.3	1,413.5	2,827	2,796
Pennsylvania	592.7	672.4	1,320.6	2,187.5	2,725.8	2,776.1	2,816.4	6,461	6,112
East North Central	1,082.1	1,472.7	2,779.3	4,074.3	5,087.9	4,817.2	4,350.6	12,421	11,694
Ohio	334.0	433.0	811.9	1,164.1	1,421.3	1,410.8	1,375.0	2,981	2,868
Indiana	75.4	109.3	281.2	259.5	409.4	361.1	[3] 346.1	[3] 336	[3] 341
Illinois	351.7	453.9	685.1	1,258.6	1,533.1	1,366.9	1,135.1	4,914	4,507
Michigan	192.7	288.8	651.3	939.0	1,184.3	1,156.9	985.9	2,794	2,615
Wisconsin	128.3	187.7	349.8	453.1	539.8	521.5	508.6	1,396	1,363
West North Central	609.5	856.4	1,803.1	1,976.1	1,804.5	1,734.5	1,648.3	2,826	3,302
Minnesota	140.7	225.0	485.3	536.6	517.6	507.1	506.2	976	925
Iowa	194.6	251.7	551.4	524.9	484.3	465.2	420.2	[4] 789	[4] 759
Missouri	113.3	150.2	247.4	372.2	382.5	391.3	388.6	[5] 253	879
North Dakota	34.4	51.9	121.5	95.9	66.7	57.5	51.5	71	68
South Dakota	39.1	47.0	134.9	102.1	71.1	67.4	54.8	81	77
Nebraska	54.0	76.4	155.4	213.2	166.9	137.0	126.2	342	315
Kansas	33.4	54.2	107.2	131.2	115.4	109.0	100.8	314	278
South Atlantic	327.6	436.8	1,034.9	1,418.7	1,578.7	1,534.7	1,492.9	3,630	3,564
Delaware	11.5	17.5	35.9	50.1	62.8	63.1	64.0	125	128
Maryland	125.1	153.3	265.1	385.8	490.5	512.2	546.6	1,007	997
Dist. of Columbia	8.4	18.8	33.4	80.8	98.4	105.0	115.2	312	325
Virginia	45.0	56.9	152.8	216.8	247.3	[4] 246.7	245.8	[4] 537	592
West Virginia	47.5	59.6	111.4	150.6	164.0	155.6	144.0	415	373
North Carolina	19.6	31.1	121.7	142.3	155.3	146.2	110.4	429	[6] 405
South Carolina	25.8	30.7	112.0	112.0	86.9	76.9	65.9	[4] 175	[4] 174
Georgia	29.2	46.0	137.5	132.0	146.5	141.4	127.4	420	380
Florida	15.5	22.9	65.1	148.3	127.0	87.6	73.7	210	190
East South Central	80.2	117.0	321.7	506.9	606.9	600.4	495.7	1,137	949
Kentucky	35.6	39.2	96.1	[7] 176.4	218.2	[4] 218.6	176.2	[4] 485	428
Tennessee	24.9	40.9	104.2	155.2	176.0	186.5	159.4	[5] 194	[5] 171
Alabama	9.3	19.2	60.2	93.1	113.1	100.8	88.9	309	251
Mississippi	10.4	17.7	61.2	82.2	99.6	94.5	71.3	[4] 149	100
West South Central	65.7	100.8	311.6	440.1	539.2	557.4	529.8	1,056	1,065
Arkansas	6.4	10.8	34.3	65.2	75.8	77.2	55.9	149	121
Louisiana	31.8	38.5	99.5	123.3	130.5	144.1	141.2	[4] 397	441
Oklahoma	10.0	18.4	85.6	87.3	113.9	109.9	107.5	[4] 150	[4] 148
Texas	17.5	33.1	92.2	164.3	219.0	226.2	225.1	[4] 360	[4] 354
Mountain	105.1	146.5	348.2	331.2	400.4	375.3	355.3	762	699
Montana	14.3	30.3	75.5	55.8	77.4	69.2	61.2	100	91
Idaho	8.1	9.7	32.5	25.8	34.1	33.6	31.6	77	76
Wyoming	7.1	9.0	21.0	20.9	26.3	25.4	24.9	61	41
Colorado	42.2	48.8	102.9	116.3	116.4	112.4	100.8	[5] 176	[5] 176
New Mexico	5.6	6.7	13.2	7.3	11.8	11.9	11.5	21	21
Arizona	2.4	8.4	37.0	26.4	35.6	32.5	29.5	78	64
Utah	21.4	27.5	51.6	61.2	75.1	69.0	75.5	222	205
Nevada	4.0	6.1	14.5	17.5	23.7	21.3	20.4	[4] 27	25
Pacific	432.4	633.3	1,244.8	1,863.3	2,268.7	2,243.7	2,259.9	4,251	4,060
Washington	53.1	74.6	159.4	181.3	210.7	227.5	231.0	543	526
Oregon	22.6	34.0	76.1	105.9	123.1	123.4	122.1	378	307
California	356.7	524.7	1,009.3	1,576.1	1,934.9	1,892.8	1,906.8	3,330	3,227
Hawaii					43.8	53.5	44.3	194	170

[1] Includes demand certificates of deposit for national banks.
[2] Data for mutual savings banks as of Oct. 31, 1915 and 1920.
[3] National and mutual savings banks only, data included for the latter being 1926 figures.
[4] Data for banks other than national are for the latest year available as follows: South Carolina, 1926; Virginia, 1927; Louisiana, 1928; Iowa, Kentucky, Mississippi, Nevada, Oklahoma, and Texas, 1929.
[5] National banks only.
[6] Data for banks other than national are for 1930.
[7] Includes 1924 data for State banks.

Source: American Bankers' Association.

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No. 255.—SAVINGS BANKS: NUMBER OF DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS, CONTINENTAL UNITED STATES, 1820 TO 1910

NOTE.—Data for later years are as of June 30 or about June 30. In earlier years reports were of various dates. Prior to 1900 data include both mutual and stock savings banks; beginning 1900 they are for mutual savings banks only, which in that year had about 90 per cent of the savings deposits in all savings banks. For figures for later years and also savings deposits in all classes of banks, see Table 253

[Depositors in thousands, deposits in millions and tenths of millions of dollars]

Year	Depositors	Savings deposits	Year	Depositors	Savings deposits	Year	Depositors	Savings deposits
1820	9	1.1	1885	3,071	1,095.2	1898	5,239	2,027.2
1830	38	7.0	1886	3,159	1,141.5	1899	5,524	2,179.5
1840	79	14.1	1887	3,418	1,235.2	1900	5,370	2,134.5
1850	251	43.4	1888	3,838	1,364.2	1901	5,612	2,260.3
1860	694	149.3	1889	4,022	1,425.3	1902	5,871	2,280.2
1865	981	242.6	1890	4,259	1,524.8	1903	6,117	2,512.5
1870	1,631	549.9	1891	4,533	1,623.1	1904	6,286	2,602.0
1875	2,360	924.0	1892	4,782	1,712.8	1905	6,464	2,736.5
1880	2,336	819.1	1893	4,831	1,785.2	1906	6,753	2,908.7
1881	2,529	892.0	1894	4,778	1,748.0	1907	7,071	3,055.3
1882	2,710	966.8	1895	4,876	1,810.6	1908	7,137	3,065.7
1883	2,876	1,024.9	1896	5,065	1,907.2	1909	7,205	3,144.6
1884	3,015	1,073.3	1897	5,201	1,939.4	1910	7,482	3,360.6

Source: Comptroller of the Currency, Treasury Department.

No. 256.—MUTUAL SAVINGS BANKS: NUMBER OF SAVINGS DEPOSITORS AND AMOUNT OF SAVINGS DEPOSITS ON OR ABOUT JUNE 30

NOTE.—There are no mutual savings banks in States not shown

[Deposits in thousands of dollars]

Division and State	Depositors			Deposits		
	1929	1930	1931	1929	1930	1931
Continental United States	11,875,299	12,077,272	12,544,423	8,903,557	9,205,580	10,034,022
New England	4,720,801	4,705,562	4,684,615	3,242,035	3,310,244	3,416,300
Maine	225,782	233,476	223,718	113,402	112,692	117,304
New Hampshire	292,223	270,304	274,670	194,638	181,289	183,863
Vermont	127,961	124,565	121,564	98,576	94,407	90,694
Massachusetts	2,973,468	2,954,855	2,938,298	2,042,506	2,100,325	2,165,835
Rhode Island	196,386	197,834	197,003	168,081	170,608	176,158
Connecticut	904,981	924,528	929,362	624,832	650,923	682,446
Middle Atlantic	6,294,815	6,502,852	7,011,950	5,104,098	5,328,072	6,014,553
New York	5,116,151	5,256,265	5,681,837	4,463,046	4,566,165	5,161,358
New Jersey	500,874	520,115	525,493	200,325	300,974	326,459
Pennsylvania	677,790	726,472	804,620	440,727	460,933	526,736
East North Central	182,838	191,275	195,637	137,521	137,966	150,764
Ohio	128,496	136,571	143,182	104,466	108,324	119,114
Indiana	[1] 33,374	[1] 33,374	[1] 33,374	24,505	21,260	23,883
Wisconsin	20,968	21,330	19,081	8,550	8,382	7,767
West North Central	141,063	138,754	106,856	71,797	71,411	67,017
Minnesota	141,063	138,754	106,856	71,797	71,411	67,017
South Atlantic	372,839	377,350	375,728	218,840	225,268	241,145
Delaware	47,691	48,727	49,201	24,641	25,435	27,104
Maryland	325,148	328,623	326,527	194,199	199,833	214,041
Pacific	162,943	161,479	169,637	129,266	132,619	144,243
Washington	93,074	93,736	99,439	53,739	55,060	57,521
California	69,869	67,743	70,198	75,527	77,559	86,722

[1] 1926 figures.

Source: American Bankers' Association.

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No. 257.—SUMMARY OF POSTAL SAVINGS BUSINESS, 1912 TO 1931

NOTE.—In addition to main offices there were 794 branches and stations in operation on June 30, 1931. Data include Alaska, Hawaii, Puerto Rico, and Virgin Islands

Year ended June 30—	Offices in operation at close of period	Deposits made during year	Withdrawals made during year	Balance to credit of depositors at close of period	Number of depositors at close of period	Savings stamps			Balance on deposit in banks at close of period
						Sold during year	Redeemed during year	Outstanding at close of period	
		Dollars	*Dollars*	*Dollars*		*Dollars*	*Dollars*	*Dollars*	*Dollars*
1912	9,907	30,732,357	11,172,418	20,237,084	243,801	166,479	134,346	34,021	18,586,042
1913	12,158	41,701,383	28,119,597	33,818,870	331,006	161,291	154,784	40,528	31,512,337
1914	9,639	47,815,249	38,189,848	43,444,271	388,511	150,390	141,904	49,014	40,919,673
1915	8,832	70,314,858	48,074,421	65,684,708	525,414	157,424	150,232	56,206	60,086,319
1916	7,701	76,775,868	56,440,691	86,019,885	602,937	181,173	168,833	68,546	80,775,586
1917	6,423	132,112,217	86,177,406	131,954,696	674,728	171,392	168,600	71,338	126,840,820
1918	5,926	116,893,259	100,376,456	148,471,499	612,188	117,864	130,133	59,068	140,658,608
1919	5,715	136,690,122	117,838,361	167,323,260	565,509	67,796	70,767	56,097	135,942,981
1920	5,583	139,208,954	149,255,892	157,276,322	508,508	72,066	69,043	59,120	126,426,019
1921	5,554	133,574,840	138,461,259	152,389,903	466,109	60,024	62,923	56,221	48,668,108
1922	6,020	96,507,746	111,161,210	137,736,439	420,242	73,672	68,188	61,704	44,160,417
1923	6,047	88,008,160	94,073,299	131,671,300	417,902	78,197	76,671	63,230	61,844,062
1924	5,995	94,932,846	93,790,011	132,814,135	412,584	68,606	68,945	62,891	96,369,974
1925	5,896	89,707,991	90,348,915	132,173,211	402,325	51,888	53,547	61,232	97,898,486
1926	5,853	90,751,051	88,745,704	134,178,558	399,305	44,050	46,654	58,628	101,175,541
1927	5,896	103,606,868	90,426,172	147,359,254	411,394	37,563	37,790	58,400	114,597,400
1928	5,897	96,386,499	91,602,404	152,143,349	412,250	34,145	34,874	57,672	118,714,519
1929	5,976	112,446,412	110,945,232	153,644,529	416,584	27,530	27,763	57,439	127,639,413
1930	5,998	159,959,071	138,331,914	175,271,686	466,401	26,105	25,946	57,597	148,255,213
1931	6,665	366,900,908	[1]194,755,845	347,416,749	770,859	28,168	27,319	58,447	306,119,698

[1] Includes $121 written off postmasters' accounts current as unclaimed.

No. 258.—POSTAL SAVINGS DEPOSITS AND DEPOSITORS: BY STATES

State or Territory	Number of depositors, June 30, 1931	Balance to credit of depositors, June 30—	
		1930	1931
		Dollars	*Dollars*
Grand total	770,859	175,271,686	347,416,749
Cont'l U. S.	767,723	174,432,325	346,457,376
New England	26,944	8,029,047	12,866,989
Maine	535	109,918	170,303
New Hampshire	2,070	350,255	1,037,291
Vermont	177	46,375	66,398
Massachusetts	15,299	5,891,152	7,611,143
Rhode Island	1,998	390,095	568,004
Connecticut	6,865	1,241,252	3,413,850
Middle Atlantic	225,041	37,351,029	82,503,115
New York	160,020	26,500,238	55,962,172
New Jersey	19,253	2,261,586	7,246,708
Pennsylvania	45,768	8,589,205	19,294,235
East North Central	110,087	18,865,979	62,831,803
Ohio	15,673	3,453,899	9,209,881
Indiana	13,009	1,903,594	6,783,620
Illinois	58,642	9,468,318	31,060,964
Michigan	17,859	2,483,055	13,131,115
Wisconsin	4,904	1,557,113	2,646,223
West North Central	108,517	37,413,652	58,473,996
Minnesota	21,060	8,888,468	11,149,535
Iowa	24,264	8,400,200	14,344,235
Missouri	20,606	5,877,319	10,209,616
North Dakota	6,507	2,452,147	3,402,973
South Dakota	13,022	4,620,662	7,032,664
Nebraska	11,480	3,252,093	6,301,199
Kansas	11,578	3,922,763	6,033,774
South Atlantic	121,621	25,047,395	45,956,109
Delaware	683	105,159	167,240
Maryland	1,106	138,951	453,491
Dist. of Col.	3,267	408,516	862,572
Virginia	3,260	574,085	1,284,012
S. Atlantic—Contd.			
West Virginia	3,955	1,304,878	2,894,068
North Carolina	9,588	1,080,714	4,347,845
South Carolina	9,161	2,128,666	3,993,573
Georgia	15,971	2,817,135	6,570,849
Florida	74,630	16,489,291	25,382,459
East South Central	20,651	1,992,809	9,396,664
Kentucky	3,994	266,473	2,051,677
Tennessee	4,119	655,101	2,247,311
Alabama	9,410	932,882	3,519,489
Mississippi	3,128	138,353	1,578,187
West South Central	47,844	13,090,767	23,145,830
Arkansas	8,559	983,243	4,287,271
Louisiana	2,056	472,743	854,947
Oklahoma	19,461	6,481,545	9,844,542
Texas	17,768	5,153,236	8,159,070
Mountain	49,118	18,390,931	23,008,941
Montana	12,551	5,774,534	6,478,146
Idaho	8,030	2,641,463	3,144,500
Wyoming	4,484	1,890,019	2,348,418
Colorado	10,974	3,881,160	5,202,760
New Mexico	4,259	1,668,832	2,017,669
Arizona	5,934	1,533,215	2,517,561
Utah	1,478	590,015	754,561
Nevada	1,408	411,693	545,326
Pacific	57,900	14,250,716	28,274,429
Washington	21,694	6,579,373	10,581,437
Oregon	12,643	4,258,622	5,963,129
California	23,563	3,412,721	11,729,863
Alaska	803	649,551	661,042
Hawaii	217	24,649	40,201
Puerto Rico	1,998	137,903	229,293
Virgin Islands	118	27,258	28,337

Source of Tables 257 and 258: Report of the Postmaster General on the Postal Savings System.

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No. 259.—BUILDING AND LOAN ASSOCIATIONS: NUMBER, MEMBERSHIP, AND ASSETS, CONTINENTAL UNITED STATES

NOTE.—Data for a majority of the States are as of December 31; for some States, however, they are as of the close of the fiscal year ending various dates

Year (see note)	Associations	Members	Assets (1,000 dollars)	Year (see note)	Associations	Members	Assets (1,000 dollars)
1895	5,973	[1] 1,545,129	624,700	1920	8,624	5,026,784	2,534,320
1900	5,490	[1] 1,495,136	614,119	1921	9,255	5,809,888	2,890,765
1905	5,326	1,686,611	646,765	1922	10,009	6,364,144	3,342,531
1910	5,937	2,216,912	945,569	1923	10,744	7,202,880	3,942,940
1912	6,273	2,516,936	1,137,601	1924	11,844	8,554,352	4,765,937
1913	6,429	2,836,433	1,248,479	1925	12,403	9,886,997	5,509,176
1914	6,616	3,103,935	1,357,708	1926	12,626	10,665,705	6,334,104
1915	6,806	3,334,899	1,484,206	1927	12,800	11,308,061	7,156,207
1916	7,072	3,568,432	1,598,628	1928	12,666	11,995,905	8,016,034
1917	7,269	3,838,612	1,769,142	1929	12,342	12,111,209	8,695,154
1918	7,484	4,011,401	1,898,344	1930	11,767	12,336,754	8,824,119
1919	7,788	4,289,326	2,126,620	1931	11,432	11,324,698	8,412,369

State	Associations			Members			Assets (thousands of dollars)		
	1920	1929	1930	1920	1929	1930	1920	1929	1930
Maine	39	36	36	17,548	29,000	30,000	9,249	23,508	25,000
New Hampshire	25	29	29	11,067	17,208	17,670	4,701	12,727	13,793
Vermont	7	14	14	1,499	5,940	6,325	549	4,066	4,749
Massachusetts	202	227	227	296,411	519,198	513,431	174,043	543,655	562,718
Rhode Island	8	8	8	14,680	42,021	44,480	8,127	27,827	31,541
Connecticut	30	44	44	18,615	32,808	38,000	7,097	24,731	26,167
New York	267	309	307	249,174	593,098	595,865	115,780	422,141	440,729
New Jersey [2]	939	1,562	1,561	426,264	1,200,000	1,198,177	238,908	1,151,503	1,211,942
Pennsylvania	2,788	3,901	3,445	1,036,052	1,650,000	1,540,585	475,615	1,400,000	1,371,223
Ohio [2]	775	810	791	973,168	2,388,625	2,583,767	462,790	1,283,666	1,244,267
Indiana	358	402	398	212,300	450,373	429,447	109,721	312,330	306,870
Illinois	686	927	933	292,600	918,000	945,500	148,779	448,423	470,073
Michigan	75	69	67	99,765	212,672	210,722	50,977	161,105	167,200
Wisconsin	97	187	188	87,000	303,407	304,861	43,641	282,781	290,626
Minnesota	63	79	78	23,904	92,554	106,038	11,354	39,422	42,515
Iowa	68	74	74	49,000	64,421	65,343	17,654	49,046	49,708
Missouri	181	237	242	71,494	265,774	282,031	40,863	198,852	210,921
North Dakota	12	20	20	7,325	19,600	20,000	3,657	10,953	13,386
South Dakota	16	23	23	6,515	10,880	10,274	4,006	5,440	6,351
Nebraska	74	83	83	119,131	252,638	225,000	77,939	163,460	148,707
Kansas	90	155	155	86,716	211,938	210,283	39,060	132,187	132,363
Delaware	[3]	44	43	[3]	19,500	19,700	[3]	14,031	15,489
Maryland	[3]	[4] 1,200	[4] 1,150	[3]	[4] 330,000	[4] 330,000	[3]	[4] 215,000	[4] 220,000
District of Columbia	21	24	24	45,525	72,043	75,253	30,125	68,410	75,404
Virginia	[3]	91	92	[3]	65,000	66,730	[3]	58,879	60,440
West Virginia	53	63	63	26,150	67,300	58,800	9,928	41,827	36,252
North Carolina	145	233	235	57,526	105,058	95,915	29,368	95,848	92,192
South Carolina	129	[4] 151	[4] 150	15,920	[4] 33,000	[4] 34,000	5,777	[4] 26,500	[4] 27,000
Georgia	[3]	36	37	[3]	15,083	16,731	[3]	5,149	6,039
Florida	[3]	69	68	[3]	16,500	13,500	[3]	21,658	17,829
Kentucky	119	158	161	77,818	170,500	182,900	34,801	110,806	118,928
Tennessee	11	38	41	5,000	21,300	25,100	3,053	15,533	18,399
Alabama	[3]	40	40	[3]	42,500	41,340	[3]	30,271	29,435
Mississippi	[3]	43	47	[3]	29,500	30,000	[3]	19,863	20,462
Arkansas	49	71	66	28,000	75,271	72,717	17,887	43,601	44,737
Louisiana	68	106	102	80,000	204,496	200,930	46,184	190,561	182,358
Oklahoma	62	91	82	46,343	265,679	255,000	28,590	139,809	139,804
Texas	31	176	154	9,360	187,880	184,760	3,252	137,016	134,743
Montana	21	27	27	16,156	43,728	45,163	3,667	20,368	21,235
Idaho	[3]	14	14	[3]	6,900	8,565	[3]	4,475	5,640
Wyoming	[3]	13	12	[3]	20,750	18,400	[3]	11,122	9,829
Colorado	42	69	68	22,000	117,023	121,854	10,986	54,018	60,034
New Mexico	13	19	18	4,100	5,047	5,350	1,707	4,806	5,111
Arizona	4	8	9	3,100	6,700	7,250	1,174	4,415	4,838
Utah	[3]	24	24	[3]	126,536	95,263	[3]	51,680	55,643
Nevada	[3]	4	4	[3]	1,360	2,890	[3]	820	2,076
Washington	43	73	73	55,354	293,816	298,844	20,175	105,317	108,261
Oregon	10	39	31	17,611	51,000	52,000	5,200	28,321	30,569
California [5]	87	222	209	42,420	437,584	600,000	47,851	477,226	510,520

[1] Total membership of local associations only; does not include national associations, membership of which declined to 44,484 in 1905; now extinct.

[2] 1920 data for New Jersey are as of June 30, for Ohio as of May 31; 1929 and 1930 data as of Dec. 31.

[3] Not available; estimates for States not shown are included in United States total.

[4] Estimate.

[5] Data as of June 30, 1920, Dec. 31, 1929 and 1930.

Source: United States League of Building and Loan Associations.

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General note as to credit extended by banks organized under the Federal farm loan act.—Federal and joint-land banks, operating under the supervision of the Federal Farm Loan Board, extend long-term credit to farmers on security of first mortgages on farm lands. The loans must be on an amortization basis and for maturities of not less than 5 nor more than 40 years. Practically all loans of the former are made through and indorsed by national farm-loan associations, while the latter deal directly with the borrowers. The Federal intermediate credit banks, also under supervision of the Federal Farm Loan Board, provide agricultural credit for a period of not more than 3 years. They discount agricultural paper for banks and agricultural credit corporations, livestock loan companies, and other financing institutions, and make direct loans to cooperative marketing associations secured by warehouse receipts or shipping documents representing staple agricultural commodities. Under an amendment of June 30, 1930, they may also make loans to banks and other financing institutions upon security of agricultural or livestock paper eligible for discount

No. 260.—FEDERAL AND JOINT-STOCK LAND BANKS: UNMATURED PRINCIPAL OF MORTGAGE LOANS OUTSTANDING

NOTE.—**All figures in thousands of dollars.** Figures do not include the principal of delinquent installments. Payments made in advance of maturity have not been deducted as in Tables 261 and 266. Figures for joint-stock land banks include unpaid principal of loans of three banks placed in receivership in 1927

Dec. 31—	Federal land banks	Joint-stock land banks	Dec. 31—	Federal land banks	Joint-stock land banks
1918	156, 214	8, 384	1925	1, 005, 685	545, 559
1919	293, 595	60, 038	1926	1, 077, 819	632, 476
1920	349, 679	77, 959	1927	1, 155, 644	667, 314
1921	432, 523	85, 017	1928	1, 194, 470	656, 516
1922	639, 486	218, 775	1929	1, 197, 950	627, 415
1923	799, 597	392, 639	1930	1, 188, 132	590, 811
1924	927, 568	446, 429	1931	1, 163, 476	536, 644

Source: Federal Farm Loan Board.

No. 261.—FEDERAL LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

[All figures in thousands of dollars]

Bank	Assets					Liabilities			
	Total	Net mortgage loans [1]	U. S. securities [2]	Accrued interest	Cash on hand and in banks	Capital stock	Reserves and undivided profits	Farm loan bonds outstanding [3]	Accrued interest
All banks:									
1928	1, 285, 246	1, 193, 846	28, 004	18, 527	16, 218	64, 754	17, 729	1, 174, 543	18, 530
1929	1, 301, 138	1, 197, 282	21, 816	18, 678	13, 720	65, 735	18, 384	1, 187, 662	16, 207
1930	1, 298, 349	1, 187. 439	15, 920	18, 533	15, 860	66, 133	17, 523	1, 184, 460	18, 484
1931	1, 282, 880	1, 162, 889	12, 249	18, 024	11, 272	65, 676	15, 869	1, 169, 877	18, 593
Springfield	54, 291	49, 753	790	789	336	3, 036	465	49, 359	813
Baltimore	72, 815	66, 440	2, 400	1, 247	557	3, 814	856	66, 579	1, 098
Columbia	66, 675	54, 393	(4)	864	675	3, 082	23	61, 487	812
Louisville	127, 687	120, 636	547	2, 088	1, 254	6, 723	2, 430	116, 142	1, 753
New Orleans	118, 237	101, 775	.....	1, 694	1, 588	5, 929	1, 278	108, 341	1, 799
St. Louis	113, 563	104, 604	849	1, 634	1, 143	5, 820	742	105, 097	1, 423
St. Paul	135, 854	112, 597	1, 027	1, 553	1, 027	6, 331	657	125, 069	1, 989
Omaha	175, 195	165, 871	3, 028	2, 499	537	9, 152	3, 095	159, 353	2, 510
Wichita	94, 080	88, 076	1, 931	1, 236	540	4, 857	1, 130	86, 198	1, 394
Houston	162, 490	156, 204	1, 316	2, 334	1, 579	8, 603	4, 711	146, 194	2, 196
Berkeley	54, 255	49, 995	356	801	955	3, 039	480	49, 629	732
Spokane	107, 740	92, 545	5	1, 285	1, 080	5, 291	3	96, 430	2, 074

[1] Less principal of delinquent installments and payments made in advance of maturity.
[2] Less amounts sold under repurchase agreement.
[3] Unmatured.
[4] Less than $500

Source: Federal Farm Loan Board.

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No. 262.—FEDERAL LAND BANKS: LOANS OF EACH BANK, BY STATES

NOTE.—**All money figures in thousands of dollars.** All but a relatively small number of loans of Federal land banks are made through National Farm Loan Associations. The number of associations on December 31, 1931, was 4,652

Bank and State	Loans submitted for bond issue from organization to Dec. 31, 1931						Total loans closed from organization to Dec. 31, 1931	Loans closed during—		Loans outstanding Dec. 31, 1931 [1]
	Number of loans	Amount loaned by banks	Land mortgaged (1,000 acres)	Original appraised valuation				1930	1931	
				Total	Land	Buildings				
Total	**509,870**	**1,601,749**	**94,496**	**4,379,490**	**3,430,547**	**948,883**	**1,695,932**	**47,971**	**42,015**	**1,163,476**
Springfield	22,178	72,123	2,854	231,154	125,181	105,973	73,222	2,494	3,402	49,821
Maine	3,473	9,675	451	31,295	19,069	12,225	9,830	149	372	6,064
New Hampshire	717	1,658	109	5,547	2,918	2,629	1,683	12	68	955
Vermont	1,660	5,042	302	16,066	9,031	7,035	5,134	24	178	3,428
Massachusetts	2,129	6,454	254	20,639	11,095	9,545	6,533	265	340	4,276
Rhode Island	237	797	20	2,537	1,386	1,151	783	52	68	580
Connecticut	1,856	6,371	175	19,504	10,123	9,381	6,483	271	257	4,341
New York	10,199	34,791	1,385	113,048	58,765	54,283	35,325	1,413	1,752	24,991
New Jersey	1,907	7,335	157	22,518	12,793	9,724	7,450	309	368	5,186
Baltimore	**34,880**	**94,514**	**4,584**	**262,087**	**189,292**	**72,795**	**93,835**	**2,475**	**1,810**	**66,455**
Pennsylvania	8,505	23,059	933	66,733	41,014	25,719	22,391	630	448	15,908
Virginia	14,509	39,194	2,183	109,493	79,787	29,706	38,872	573	632	26,415
West Virginia	5,378	10,718	729	29,994	22,429	7,565	10,524	315	364	8,105
Maryland	1,401	5,904	213	15,991	11,027	4,965	5,885	124	146	3,805
Delaware	178	595	22	1,604	1,064	540	574	7	19	404
Puerto Rico	4,909	15,044	504	38,271	33,971	4,300	15,590	826	201	11,817
Columbia	**39,243**	**85,973**	**5,672**	**236,984**	**181,302**	**55,682**	**90,142**	**862**	**686**	**54,433**
North Carolina	13,299	24,960	1,409	71,486	52,362	19,124	26,512	425	289	16,393
South Carolina	7,878	21,872	1,265	60,750	46,025	14,725	23,018	154	222	12,184
Georgia	13,196	29,934	2,343	79,842	62,960	16,883	30,992	209	124	20,094
Florida	4,870	9,207	655	24,905	19,955	4,950	9,620	74	51	5,761
Louisville	**51,300**	**160,697**	**6,354**	**428,797**	**335,996**	**92,800**	**165,665**	**3,111**	**5,182**	**120,713**
Tennessee	13,540	32,759	1,669	87,631	70,645	16,986	33,723	629	1,113	24,282
Kentucky	12,456	34,936	1,420	95,012	72,677	22,335	36,326	690	1,129	24,446
Indiana	16,581	59,099	2,373	155,606	125,320	30,286	60,975	863	1,529	45,533
Ohio	8,723	33,903	893	90,548	67,355	23,193	34,641	929	1,411	26,451
New Orleans	**73,312**	**143,946**	**11,758**	**409,118**	**307,328**	**101,790**	**153,671**	**3,555**	**1,508**	**101,809**
Alabama	27,642	49,646	4,257	138,835	102,955	35,880	53,057	1,514	496	35,443
Louisiana	15,410	37,256	2,455	104,518	80,241	24,277	39,294	571	390	26,563
Mississippi	30,260	57,045	5,044	165,765	124,132	41,633	61,320	1,471	622	39,803
St. Louis	**40,326**	**138,043**	**5,093**	**350,803**	**300,322**	**50,282**	**143,758**	**4,203**	**3,230**	**104,643**
Illinois	10,938	66,153	1,179	170,126	146,830	23,296	69,317	3,392	2,683	54,477
Missouri	11,733	40,683	1,688	103,187	86,100	17,087	42,085	601	270	28,144
Arkansas	17,655	31,207	2,225	77,290	67,391	9,899	32,357	210	277	22,022
St. Paul	**45,465**	**169,334**	**7,476**	**482,472**	**338,445**	**144,027**	**182,917**	**3,404**	**3,091**	**112,621**
Minnesota	12,003	53,797	1,663	149,087	109,357	39,730	59,819	1,132	1,114	34,446
Michigan	12,335	32,485	1,731	98,444	60,981	37,463	34,246	778	672	23,456
Wisconsin	9,543	37,212	1,076	106,060	71,160	34,900	40,448	965	510	24,948
North Dakota	11,584	45,840	3,006	128,881	96,946	31,934	48,404	530	795	29,772
Omaha	**35,119**	**214,524**	**9,459**	**562,749**	**483,397**	**79,352**	**234,294**	**8,345**	**5,980**	**165,934**
Iowa	12,578	102,234	1,530	259,687	222,027	37,660	112,682	4,723	3,023	81,624
Nebraska	11,707	64,422	4,579	174,063	150,938	23,125	70,049	2,390	2,078	47,762
South Dakota	8,144	39,572	2,039	105,899	90,671	15,228	42,698	1,220	868	30,115
Wyoming	2,690	8,296	1,311	23,101	19,761	3,340	8,865	13	11	6,433
Wichita	**37,817**	**120,249**	**12,020**	**337,991**	**278,818**	**59,172**	**133,260**	**4,738**	**3,296**	**88,096**
Kansas	11,272	46,135	2,964	123,912	102,584	21,327	52,473	1,755	1,096	32,388
Oklahoma	9,791	27,599	1,857	76,243	64,326	11,917	30,630	1,279	916	20,822
Colorado	10,767	33,443	3,919	99,630	80,713	18,917	35,679	1,395	965	25,151
New Mexico	5,987	13,072	3,281	38,206	31,195	7,011	14,478	309	320	9,735
Houston	**69,557**	**198,096**	**18,459**	**515,906**	**434,011**	**81,895**	**209,857**	**8,489**	**8,955**	**156,308**
Texas	69,557	198,096	18,459	515,906	434,011	81,895	209,857	8,489	8,955	156,308
Berkeley	**18,539**	**71,172**	**2,316**	**186,470**	**156,183**	**30,286**	**76,563**	**1,815**	**1,577**	**50,069**
California	10,181	41,499	1,284	112,033	91,364	20,669	45,293	1,000	1,083	27,498
Utah	6,078	18,789	621	45,200	39,593	5,607	19,738	398	158	13,883
Nevada	429	3,182	214	8,039	6,817	1,222	3,393	115	111	2,919
Arizona	1,851	7,702	198	21,197	18,409	2,789	8,139	301	225	5,770
Spokane	**42,134**	**133,079**	**8,453**	**375,101**	**300,272**	**74,829**	**138,747**	**4,482**	**3,299**	**92,573**
Idaho	8,854	31,950	1,243	85,543	72,069	13,474	33,079	1,085	895	22,589
Montana	9,777	30,431	4,125	87,336	70,693	16,643	31,580	1,047	742	20,764
Oregon	8,036	26,859	1,470	73,032	60,320	12,713	28,123	630	622	18,610
Washington	15,467	43,839	1,615	129,190	97,191	31,998	45,966	1,721	1,040	30,611

[1] Unmatured principal.

Source: Federal Farm Loan Board.

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No. 263.—FEDERAL LAND BANKS: Purposes of Loans Submitted for Bond Issue from Organization, August 7, 1916, to December 31, 1931

NOTE.—Amounts in thousands of dollars. For total amount of loans submitted for bond issue by each bank, see Table 262

Bank	Purchase of land		Buildings and improvements		Equipment, fertilizer, livestock, and irrigation		National farm loan association stock		To pay mortgages		To pay other debts	
	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	**161,432**	**10.1**	**78,488**	**4.9**	**46,115**	**2.9**	**80,104**	**5.0**	**1,047,389**	**65.4**	**188,222**	**11.7**
Springfield	11,521	16.0	3,195	4.4	1,546	2.1	3,606	5.0	46,281	64.2	5,975	8.3
Baltimore	8,171	8.6	5,604	5.9	3,389	3.6	4,725	5.0	63,585	67.3	9,040	9.6
Columbia	4,647	5.4	6,007	7.0	1,853	2.2	4,309	5.0	64,422	74.9	4,735	5.5
Louisville	23,769	14.8	8,285	5.2	3,997	2.5	8,038	5.0	96,709	60.2	19,899	12.3
New Orleans	7,434	5.1	12,929	9.0	5,123	3.6	7,196	5.0	97,469	67.7	13,795	9.6
St. Louis	14,503	10.5	5,559	4.0	2,542	1.8	6,902	5.0	93,262	67.6	15,276	11.1
St. Paul	11,518	6.8	8,010	4.7	2,118	1.3	8,465	5.0	117,094	69.1	22,127	13.1
Omaha	30,820	14.4	4,436	2.1	5,317	2.5	10,730	5.0	132,039	61.5	31,183	14.5
Wichita	13,969	11.6	4,535	3.8	5,770	4.8	6,014	5.0	70,158	58.3	19,802	16.5
Houston	21,079	10.6	7,624	3.9	6,527	3.3	9,907	5.0	134,372	67.8	18,587	9.4
Berkeley	4,454	6.2	4,646	6.5	2,692	3.8	3,555	5.0	46,599	65.5	9,226	13.0
Spokane	9,547	7.2	7,658	5.8	5,241	3.9	6,657	5.0	85,399	64.2	18,577	13.9

Source: Federal Farm Loan Board.

No. 264.—JOINT STOCK LAND BANKS: Loans, by States

[All money figures in thousands of dollars]

State	Loans submitted for bond issue from organization to Dec. 31, 1931						Total loans closed from organization to Dec. 31, 1931	Loans closed during—		Loans outstanding Dec. 31, 1931[1]
	Number of loans	Amount loaned by bank	Land mortgaged (1,000 acres)	Original appraised valuation				1930	1931	
				Total	Land	Buildings				
Total	**126,056**	**847,577**	**34,901**	**2,200,238**	**1,836,292**	**363,946**	**898,421**	**5,236**	**5,407**	**536,644**
Alabama	1,073	6,739	392	19,672	16,554	3,118	6,918	4	5	5,192
Arizona	544	3,929	54	11,138	10,149	989	4,185	-------	-------	2,651
Arkansas	1,816	15,711	574	40,847	35,937	4,910	16,447	200	60	11,385
California	2,996	38,126	903	97,601	85,054	12,547	44,006	806	1,997	26,166
Colorado	1,493	9,920	570	27,786	22,980	4,806	10,227	11	23	8,068
Georgia	1,901	10,026	689	29,026	22,583	6,443	10,096	15	10	7,268
Idaho	1,126	5,209	118	13,818	11,908	1,911	5,259	194	2	3,626
Illinois	10,418	90,824	1,441	230,739	203,291	27,448	95,851	356	624	63,080
Indiana	9,428	48,877	1,024	127,007	108,820	18,187	51,733	858	806	33,622
Iowa	10,280	123,302	1,709	299,340	264,681	34,659	133,416	577	510	75,925
Kansas	4,787	30,724	1,757	76,389	67,452	8,937	31,268	-------	25	13,154
Kentucky	2,656	15,415	390	39,555	31,428	8,127	15,788	244	24	9,354
Louisiana	74	1,500	77	4,306	3,587	720	1,489	8	-------	840
Maryland	868	5,172	138	14,803	9,318	5,485	5,456	122	77	3,824
Michigan	2,441	11,184	281	31,981	20,771	11,210	13,457	123	17	7,776
Minnesota	4,867	42,213	924	105,967	88,674	17,292	44,622	96	113	16,905
Mississippi	621	9,515	326	26,894	23,444	3,450	10,436	256	120	6,215
Missouri	4,166	30,974	762	75,593	65,677	9,916	36,987	12	-------	12,220
Montana	344	2,045	229	5,907	4,846	1,061	2,076	-------	-------	1,326
Nebraska	4,224	36,464	1,629	95,241	83,732	11,509	37,413	65	24	22,975
Nevada	35	755	38	1,937	1,612	326	820	-------	-------	570
New Jersey	533	2,719	56	8,183	4,389	3,794	2,826	-------	4	1,820
New York	2,856	14,330	360	42,915	24,967	17,948	14,727	53	82	9,997
North Carolina	14,057	46,056	2,047	133,067	99,648	33,418	47,546	162	165	32,170
North Dakota	798	4,731	210	15,327	12,702	2,625	4,768	4	-------	3,626
Ohio	7,926	36,822	859	99,102	71,099	28,004	36,312	180	198	23,346
Oklahoma	1,525	7,723	490	19,389	17,127	2,262	7,106	-------	5	3,525
Oregon	1,332	15,062	914	39,046	34,380	4,666	15,266	329	124	10,925
Pennsylvania	2,974	11,299	337	34,795	18,587	16,208	12,156	26	44	7,861
South Carolina	3,107	16,242	771	41,049	32,210	8,839	16,805	23	11	9,045

[1] Unmatured principal except for 1 bank in receivership for which unpaid principal is used.

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No. 264.—Joint-Stock Land Banks: Loans, by States—Continued

[All figures in thousands of dollars]

State	Loans submitted for bond issue from organization to Dec. 31, 1931						Total loans closed from organization to Dec. 31, 1931	Loans closed during—		Loans outstanding Dec. 31, 1931
	Number of loans	Amount loaned by bank	Land mortgaged (1000 acres)	Original appraised valuation				1930	1931	
				Total	Land	Buildings				
South Dakota	2,061	17,310	3,911	45,159	38,170	6,990	18,201	169	184	7,622
Tennessee	976	4,186	151	11,111	9,072	2,039	4,120	25	-------	2,560
Texas	14,236	97,620	8,645	246,468	219,113	27,355	104,113	213	101	71,668
Utah	185	843	39	2,115	1,780	335	863	-------	4	499
Virginia	2,716	12,601	519	28,556	25,541	3,015	12,684	25	27	8,145
Washington	243	2,582	141	6,053	5,050	1,004	2,677	57	-------	1,602
West Virginia	2,459	7,677	364	22,517	16,462	6,055	8,400	22	20	3,773
Wisconsin	1,176	5,880	154	16,070	11,576	4,494	6,222	-------	-------	2,601
Wyoming	738	5,271	905	13,767	11,921	1,845	5,678	1	3	3,722

No. 265.—JOINT-STOCK LAND BANKS: Purposes of Loans Submitted for Bond Issue from Organization to December 31, 1931

[All money figures in thousands of dollars]

State	Total amount loaned	Purchase of land		Buildings and improvements		Equipment, fertilizer, livestock, and irrigation		To pay mortgages		To pay other debts	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Total	**847,577**	**93,145**	**11.0**	**27,302**	**3.2**	**17,676**	**2.1**	**650,570**	**76.8**	**58,882**	**6.9**
Alabama	6,739	387	5.7	274	4.1	112	1.7	5,664	84.0	303	4.5
Arizona	3,929	365	9.3	90	2.3	40	1.0	3,152	80.2	283	7.2
Arkansas	15,711	1,199	7.6	809	5.2	706	4.5	12,240	77.9	757	4.8
California	38,126	2,256	5.9	1,593	4.2	830	2.2	29,871	78.3	3,576	9.4
Colorado	9,920	932	9.4	143	1.4	268	2.7	7,767	78.3	810	8.2
Georgia	10,026	797	8.0	381	3.8	365	3.6	7,826	78.1	657	6.5
Idaho	5,209	406	7.8	60	1.2	58	1.1	4,343	83.4	341	6.5
Illinois	90,824	13,613	15.0	1,704	1.9	1,157	1.3	66,032	72.7	8,318	9.1
Indiana	48,877	9,932	20.3	1,546	3.2	869	1.8	32,588	66.7	3,942	8.0
Iowa	123,302	12,717	10.3	2,968	2.4	1,325	1.1	98,861	80.2	7,430	6.0
Kansas	30,724	3,093	10.1	561	1.8	920	3.0	24,188	78.7	1,962	6.4
Kentucky	15,415	1,446	9.4	426	2.8	245	1.6	12,478	80.9	821	5.3
Louisiana	1,500	55	3.7	10	.6	23	1.6	1,340	89.4	71	4.7
Maryland	5,172	726	14.0	185	3.6	115	2.2	3,779	73.1	366	7.1
Michigan	11,184	1,440	12.9	435	3.9	238	2.1	8,428	75.4	643	5.7
Minnesota	42,213	2,931	6.9	1,031	2.4	491	1.2	35,787	84.8	1,973	4.7
Mississippi	9,515	1,199	12.6	603	6.4	200	2.1	6,539	68.7	973	10.2
Missouri	30,974	2,875	9.3	993	8.2	476	1.5	24,998	80.7	1,632	5.3
Montana	2,045	133	6.5	67	3.3	117	5.7	1,370	67.0	357	17.5
Nebraska	36,464	5,588	15.3	723	2.0	707	1.9	26,683	73.2	2,764	7.6
Nevada	755	35	4.6	5	.7	61	8.1	626	82.9	28	3.7
New Jersey	2,719	331	12.2	148	5.4	92	3.4	2,009	73.9	139	5.1
New York	14,330	1,671	11.7	533	3.7	384	2.7	10,978	76.6	765	5.3
North Carolina	46,056	3,655	7.9	3,572	7.8	1,438	3.1	33,574	72.9	3,817	8.3
North Dakota	4,732	142	3.0	65	1.4	72	1.5	4,261	90.1	192	4.0
Ohio	36,822	5,723	15.5	1,322	3.6	762	2.1	26,986	73.3	2,029	5.5
Oklahoma	7,723	675	8.7	184	2.4	355	4.6	6,105	79.1	404	5.2
Oregon	15,062	1,545	10.3	309	2.1	403	2.7	11,517	76.4	1,288	8.5
Pennsylvania	11,299	2,131	18.9	447	4.0	239	2.1	7,776	68.8	706	6.2
South Carolina	16,242	1,001	6.2	725	4.5	549	3.4	12,205	75.1	1,762	10.8
South Dakota	17,310	1,148	6.6	357	2.1	152	.9	14,837	85.7	816	4.7
Tennessee	4,186	414	9.9	162	3.9	94	2.3	3,339	79.7	177	4.2
Texas	97,620	9,501	9.7	2,936	3.0	2,646	2.7	76,980	78.9	5,557	5.7
Utah	843	38	4.5	21	2.5	16	1.9	728	86.3	41	4.8
Virginia	12,601	1,275	10.1	617	4.9	324	2.6	8,982	71.3	1,402	11.1
Washington	2,582	226	8.7	43	1.7	28	1.1	2,126	82.3	160	6.2
West Virginia	7,677	952	12.4	961	12.5	499	6.5	4,347	56.6	918	12.0
Wisconsin	5,880	446	7.6	251	4.3	193	3.3	4,732	80.4	258	4.4
Wyoming	5,271	147	2.8	42	.8	108	2.0	4,528	85.9	447	8.5

Source of Tables 264 and 265: Federal Farm Loan Board.

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No. 266.—JOINT-STOCK LAND BANKS: PRINCIPAL ASSETS AND LIABILITIES AS OF DECEMBER 31

NOTE.—**All figures in thousands of dollars.** Banks in receiverships are not included. Banks are grouped according to the Federal land bank district in which they are located. In a number of cases, however, the charter territory of the bank includes an adjacent State lying in another district

Federal land bank district, bank, and location	Assets				Liabilities			
	Total	Mortgage loans [1]	U. S. securities	Accrued interest	Capital paid in	Surplus reserves, etc.[2]	Farm loan bonds [3]	Accrued interest
All banks:								
1930	611,560	552,617	3,010	9,233	41,743	10,415	543,991	6,766
1931	606,192	529,607	6,217	8,639	43,503	10,372	539,979	6,555
District No. 1:								
New York, Rochester, N. Y	12,969	11,351	-------	72	800	333	11,586	171
District No. 2:								
Potomac, Washington, D. C	5,985	5,318	-------	94	400	186	5,284	64
Virginia-Carolina, Elizabeth City, N. C	6,727	5,862	-------	106	400	239	5,962	81
Maryland-Virginia, Baltimore, Md	2,665	2,487	-------	46	250	162	2,224	21
Pennsylvania, Philadelphia, Pa	6,397	5,786	26	95	419	242	5,594	55
Virginia, Charleston, W. Va	13,786	12,283	250	169	1,150	323	12,129	123
Greenbrier, Lewisburg, W. Va	2,443	2,169	-------	33	250	61	2,094	32
District No. 3:								
Atlantic, Raleigh, N. C	15,381	13,268	-------	224	908	357	13,756	200
Greensboro, Greensboro, N. C	4,871	4,365	23	75	250	140	4,361	44
North Carolina, Durham, N. C	14,462	11,436	296	207	700	481	12,931	206
First Carolinas, Columbia, S. C	11,019	7,854	-------	103	785	[4] *314*	10,154	150
Atlanta, Atlanta, Ga	5,908	4,755	44	64	350	200	5,242	65
District No. 4:								
Mississippi, Memphis, Tenn	4,263	3,783	-------	62	350	55	3,756	54
Tennessee, Memphis, Tenn	3,591	3,272	-------	53	250	91	3,184	50
Kentucky, Lexington, Ky	10,864	9,465	507	185	650	[4] *58*	10,033	89
Louisville, Louisville, Ky	6,327	4,987	776	104	500	[4] *129*	5,858	49
Union, Louisville, Ky	2,860	2,398	186	49	250	9	2,552	21
First, Fort Wayne, Ind	8,086	7,344	102	104	400	396	7,202	57
Fletcher, Indianapolis, Ind	16,588	15,270	-------	377	750	1,049	14,605	117
Indianapolis, Indianapolis, Ind	1,119	1,026	2	22	250	26	818	12
La Fayette, La Fayette, Ind	9,221	8,561	25	144	300	407	8,422	66
Union Trust, Indianapolis, Ind	635	578	26	13	250	122	252	5
District No. 5:								
First, Montgomery, Ala	8,890	7,703	99	135	550	88	8,044	96
First, New Orleans, La	3,922	3,377	1	67	250	111	3,483	39
District No. 6:								
Chicago, Chicago, Ill	46,660	37,743	1,070	378	4,000	[4] *1,773*	43,708	375
Corn Belt, Taylorville, Ill	303	249	-------	4	250	3	-------	-------
First Trust, Chicago, Ill	70,704	68,835	-------	915	4,600	715	64,402	846
Illinois, Monticello, Ill	7,150	6,495	79	112	450	98	6,490	49
Illinois Midwest, Edwardsville, Ill	5,659	5,129	-------	87	350	28	5,153	50
Phoenix, Kansas City, Mo	24,280	21,554	1,631	386	1,650	3,005	19,296	78
St. Louis, St. Louis, Mo	19,197	15,540	25	206	1,430	[4] *952*	18,382	274
Southwest, Little Rock, Ark	4,424	3,955	-------	82	285	47	4,003	56
District No. 7:								
Minneapolis Trust, Minneapolis, Minn	4,778	4,638	-------	70	450	230	4,039	34
Southern Minnesota, Minneapolis, Minn	23,057	12,602	-------	182	3,000	[4] *1,663*	21,166	178
Union, Detroit, Mich	22,685	20,392	-------	276	1,370	535	20,146	345
District No. 8:								
Burlington, Burlington, Iowa	3,280	2,717	-------	40	250	[4] *45*	3,024	38
Des Moines, Des Moines, Iowa	11,400	8,653	-------	122	1,150	[4] *749*	10,625	92
Iowa, Sioux City, Iowa	7,873	7,007	-------	112	500	376	6,896	90
Fremont, Lincoln, Nebr	8,672	7,667	-------	118	850	347	7,336	73
Lincoln, Lincoln, Nebr	35,319	32,225	200	492	2,711	812	31,202	412
District No. 9:								
Denver, Denver, Colo	14,276	13,088	-------	219	1,185	635	12,142	188
District No. 10:								
Dallas, Dallas, Tex	40,349	36,324	300	1,043	2,431	1,301	35,633	579
First Texas, Houston, Tex	7,489	6,831	-------	83	550	228	6,594	74
San Antonio, San Antonio, Tex	18,528	17,270	-------	529	1,227	533	16,350	242
District No. 11:								
California, San Francisco, Calif	16,007	14,723	500	136	916	857	13,956	206
Pacific Coast, San Francisco, Calif	19,612	17,433	-------	265	1,400	754	16,403	307
Pacific Coast, Salt Lake City, Utah	4,431	4,094	-------	68	300	93	3,886	79
District No. 12:								
Northwest, Portland, Oreg. [5]	106	11	-------	-------	87	17	-------	-------
Oregon-Washington, Portland, Oreg	3,186	2,652	-------	37	250	74	2,749	12
Pacific Coast, Portland, Oreg	7,787	7,082	50	77	450	289	6,874	12

[1] Figures exclude principal of delinquent installments and payments made in advance of maturity; they include mortgage loan foreclosures pending less reserve therefor.

[2] Surplus, reserves, and undivided profits. The totals for all banks represent net amounts after deducting deficits of $3,013,000 in 1930 and $5,688,000 in 1931 shown by several banks.

[3] Outstanding unmatured. [4] Deficit. [5] In voluntary liquidation.

Source: Federal Farm Loan Board.

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No. 267.—FEDERAL INTERMEDIATE CREDIT BANKS: PRINCIPAL ASSETS AND LIABILITIES, DECEMBER 31

[All figures in thousands of dollars]

	Assets				Liabilities		
	Total	Loans and discounts		Cash on hand and in banks [1]	Capital paid in [2]	Surplus and undivided profits [3]	Debentures outstanding (unmatured)
		Cooperative associations	Financing institutions				
All banks:							
1923	99,288	33,627	9,105	2,789	20,000	246	30,500
1924	120,049	43,507	18,760	8,160	24,000	908	49,710
1925	126,135	53,780	26,272	3,169	24,000	1,665	58,699
1926	135,008	52,704	39,730	3,536	25,000	1,169	68,580
1927	120,209	31,991	43,924	3,743	25,000	1,310	51,150
1928	121,875	36,174	45,103	3,178	27,000	1,154	44,875
1929	115,288	26,073	50,018	2,708	30,000	1,133	49,510
1930	168,553	64,377	65,633	4,227	30,000	1,359	102,475
1931	157,861	[4] 43,322	74,613	3,694	30,000	1,432	78,840
Springfield	10,830	6,199	1,065	307	2,000	283	5,280
Baltimore	7,968	1,388	2,893	184	2,000	204	2,650
Columbia	8,678	6,166	2,033	156	5,000	[5] 635	1,600
Louisville	7,574	2,426	1,470	218	2,000	281	2,050
New Orleans	15,253	5,336	5,824	969	2,000	152	8,100
St. Louis	11,590	3,795	4,099	287	2,000	49	4,200
St. Paul	13,219	2,155	7,848	155	2,000	220	5,565
Omaha	13,500	1,819	8,623	14	2,000	248	6,920
Wichita	8,341	2,062	2,527	92	2,000	245	1,235
Houston	23,712	3,620	15,668	962	2,000	225	17,305
Berkeley	19,539	[4] 4,839	11,935	152	5,000	----------	13,450
Spokane	17,657	3,518	10,628	198	2,000	161	10,505

[1] Excludes cash held as collateral.
[2] Each bank is capitalized at $5,000,000, subscribed by the Treasury of the United States, subject to call. Only amounts shown have been called and paid in.
[3] Net amount after deducting deficits for Columbia as follows: 1926, $692,000; 1927, $934,000; 1928, $920,000; 1929, $839,000; 1930, $687,000; 1931, $635,000.
[4] Excludes losses in suspense amounting to $1,933,000.
[5] Deficit.

No. 268.—FEDERAL INTERMEDIATE CREDIT BANKS: LOANS TO COOPERATIVE ASSOCIATIONS, BY COMMODITIES, AND LOANS TO AND DISCOUNTS FOR FINANCING INSTITUTIONS, BY TYPE OF INSTITUTION AND BY PURPOSE.

[All figures in thousands of dollars]

	Loans and discounts during— [1]			Amounts outstanding Dec. 31—						
	1929	1930	1931	1925	1926	1927	1928	1929	1930	1931
Cooperative associations	**32,515**	**93,144**	**145,280**	**53,780**	**52,704**	**31,991**	**36,174**	**26,073**	**64,377**	**45,255**
Cotton	18,337	53,128	59,106	23,439	25,676	14,944	23,099	12,031	39,173	15,767
Tobacco				20,632	13,747	4,299	1,565			
Wheat and other grains	4,617	15,131	36,685	3,128	3,501	2,537	2,483	4,412	3,436	10,457
Canned fruit and vegetables	2,097	3,977	8,378	1,078	1,464	1,142	2,118	1,326	2,771	2,516
Raisins and other dried fruits	756	3,386	2,646	3,600	4,757	6,395	4,679	3,182	5,510	4,180
Beans	554	1,519	1,065		50	310	124	489	1,365	312
Wool and mohair	4,271	12,412	28,136	1,028	977	411	564	2,935	9,088	6,168
Rice	1,532	2,553	2,347	495	2,413	1,815	1,360	1,479	2,109	1,279
All other	352	1,039	6,898	381	120	138	182	219	924	4,576
Financing institutions	**59,243**	**69,789**	**122,739**	**26,272**	**39,730**	**43,924**	**45,103**	**50,018**	**65,633**	**74,613**
For—										
Agricultural credit corporations	32,736	41,060	55,611	15,371	23,786	22,528	20,991	21,009	30,408	30,848
Livestock loan companies	24,030	25,936	63,154	10,390	15,598	21,214	23,784	26,917	32,848	41,889
Banks and trust companies	2,477	2,794	3,968	511	345	183	328	2,092	2,377	1,877
Purpose—										
Cattle production	23,199	27,798	48,649	8,204	14,347	17,932	20,541	24,109	30,909	$1,445
Other livestock production	8,942	11,230	27,746	6,561	10,185	15,574	15,663	11,203	15,349	19,507
General agriculture	27,102	30,761	46,338	11,507	15,199	10,418	8,898	14,706	19,375	23,662

[1] Data for 1929 and 1930 cover original loans only while data for 1931 relate to total loans, both original and renewal. Total loans and discounts during 1929 and 1930 were as follows: Loans, 1929, $43,619,000; 1930, $109,927,000; discounts, 1929, $94,667,000; 1930, $109,047,000.

Source of Tables 267 and 268: Federal Farm Loan Board.

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No. 269.—CLEARING HOUSE EXCHANGES: SUMMARY FOR UNITED STATES

NOTE.—Prior to 1920 data are for all cities reporting to the New York Clearing House Association; commencing 1920 they are for 173 identical cities. The comparability of these figures is affected (1) by changes in the number of cities reporting, and (2) by the tendency toward consolidation of banks, eliminating former clearings between two or more banks. Debits to individual account (Tables 270 and 271) are a more significant measure of volume of payment. The divisions shown in this table, with the exception of the New England, differ from the geographical divisions shown in most tables in the Abstract. The Eastern division includes the States comprising the Middle Atlantic division in other tables (see for example Table 246) and Delaware, Maryland, and District of Columbia of the South Atlantic division; the Southern includes the other six South Atlantic States, the East South Central and the West South Central States with the exception of Oklahoma; the Middle Western includes the East North Central States, Minnesota, Iowa, and Missouri; the Western, North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, Montana, Wyoming, and Colorado; the Pacific, Washington, Oregon, California, Idaho, Utah, Nevada, and Arizona

[All figures in millions of dollars]

Year ended Sept. 30—	United States	Outside New York City	New York City	Year ended Sept. 30—	United States	Outside New York City	New York City
1882	61,054	14,501	46,553	1891	57,181	23,127	34,054
1883	53,536	13,243	40,293	1892	60,884	24,604	36,280
1884	47,387	13,295	34,092	1893	58,881	24,460	34,421
1885	37,770	12,519	25,251	1894	45,028	20,798	24,230
1886	48,212	14,837	33,375	1895	50,975	22,711	28,264
1887	52,127	17,254	34,873	1896	51,936	22,585	29,351
1888	48,751	17,887	30,864	1897	54,180	22,842	31,338
1889	53,501	18,705	34,796	1898	65,925	26,072	39,853
1890	59,882	22,221	37,661	1899	88,829	31,461	57,368

Year ended Sept. 30—	United States		New England division	Eastern division		Southern division	Middle Western division	Western division	Pacific division
	Total	Outside New York City		Total	New York City				
1900	84,582	32,618	7,120	59,705	51,965	2,328	13,184	651	1,594
1901	114,820	37,799	8,036	86,396	77,021	2,650	15,193	735	1,809
1902	115,892	41,139	7,861	84,892	74,753	2,899	17,262	793	2,185
1903	113,963	43,130	7,796	81,533	70,834	3,266	17,979	838	2,551
1904	102,356	42,684	7,331	69,507	59,673	3,695	18,376	830	2,618
1905	140,502	48,623	8,467	103,765	91,879	4,016	20,097	964	3,194
1906	157,681	53,927	9,245	117,034	103,754	4,606	21,877	1,110	3,810
1907	154,477	59,161	9,712	108,662	95,315	5,113	24,746	1,384	4,860
1908	126,239	52,608	8,115	85,343	73,631	4,485	23,145	1,382	3,768
1909	158,877	59,620	9,372	111,501	99,258	5,108	26,682	1,700	4,514
1910	168,987	66,433	9,707	116,778	102,554	5,951	29,148	1,980	5,422
1911	159,540	67,119	9,616	106,742	92,420	6,528	29,062	1,938	5,654
1912	168,686	72,014	10,278	111,672	96,672	7,446	30,910	2,043	6,338
1913	173,193	75,071	9,807	114,430	98,122	6,750	33,338	2,221	6,647
1914	163,850	74,089	9,400	105,474	89,760	6,774	33,567	2,278	6,357
1915	163,189	72,347	9,022	105,793	90,843	6,411	33,442	2,410	6,112
1916	242,236	95,055	12,211	167,897	147,181	8,830	42,671	3,248	7,379
1917	305,062	123,528	14,433	208,061	181,534	11,771	56,149	4,485	10,163
1918	320,989	146,464	16,975	205,810	174,524	15,577	63,621	6,599	12,406
1919	387,854	173,151	19,237	252,255	214,703	20,707	72,366	7,695	15,594
1920	458,045	205,707	22,378	297,275	252,338	25,593	85,080	8,413	19,306
1921	371,614	167,532	17,340	243,087	204,082	18,154	69,570	6,316	17,148
1922	376,866	163,539	18,039	251,262	213,327	17,679	66,039	5,924	17,923
1923	405,577	190,956	21,801	259,423	214,621	20,995	75,636	6,240	21,482
1924	431,716	196,217	23,357	280,971	235,499	22,590	75,873	5,786	23,139
1925	492,426	215,562	25,050	327,767	276,874	25,357	83,604	6,164	24,494
1926	521,410	227,967	27,881	347,045	293,443	26,669	86,286	6,256	27,272
1927	532,077	224,918	29,319	358,909	307,159	24,316	86,021	6,221	27,289
1928	600,604	231,686	29,868	420,641	368,918	23,691	89,407	6,697	30,299
1929	698,487	241,549	29,846	512,491	456,938	24,388	93,366	7,050	31,347
1930 [1]	616,547	217,075	29,027	451,290	399,472	21,798	80,551	6,439	27,442
1931 [1]	452,121	164,386	22,470	327,833	287,735	16,346	59,139	5,200	21,133

[1] Total clearings of all cities reporting (255) was $628,781,000,000 in 1930 and $462,074,000,000 in 1931.

Source: Comptroller of the Currency, Treasury Department.

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No. 270.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES, BY DISTRICTS AND BY MONTHS

NOTE.—**All figures in millions of dollars.** Figures represent debits to accounts of individuals, firms and corporations, and of the United States Government, including war loan deposit accounts, also debits to savings accounts, payments from trust accounts, and certificates of deposits paid. Figures do not include debits to the accounts of other banks or in settlement of clearing-house balances, payment of cashiers' checks, charges to expense and miscellaneous accounts, corrections, and similar charges

Year	Total	Total, excl. New York City	New York City	Boston district (11 cities)	New York district (7 cities)		Philadelphia district (10 cities)	Cleveland district (13 cities)	Richmond district (7 cities)
					Total	Excl. New York			
1919	455,294	211,175	244,119	25,898	250,880	6,761	19,496	23,559	8,611
1920	483,026	241,596	241,430	28,137	249,375	7,945	22,092	27,677	9,635
1921	399,036	191,941	207,095	21,736	213,911	6,816	18,690	21,105	8,235
1922	439,364	199,509	239,855	22,392	247,067	7,212	19,985	22,290	7,716
1923	463,726	225,330	238,396	24,851	246,493	8,097	22,301	26,140	8,501
1924	491,691	228,161	263,530	25,675	271,861	8,331	22,773	25,775	8,298
1925	570,064	256,690	313,374	29,014	322,843	9,469	25,253	28,726	9,193
1926	607,956	268,901	339,055	31,033	348,833	9,778	26,248	30,022	9,336
1927	673,861	282,303	391,558	33,566	401,819	11,260	27,291	32,180	9,231
1928	806,406	306,195	500,211	34,228	511,584	11,374	30,463	33,317	9,085
1929	935,027	331,938	603,089	37,472	616,060	12,972	33,440	36,025	9,379
1930	661,957	277,317	384,639	30,221	395,354	10,714	26,690	31,256	8,895
1931	481,357	217,523	263,834	24,153	272,183	8,349	21,662	24,079	7,661

Year	Atlanta district (15 cities)	Chicago district (21 cities)			St. Louis district (5 cities)	Minneapolis district (9 cities)	Kansas City district (15 cities)	Dallas district (10 cities)	San Francisco district (18 cities)
		Total	City of Chicago	Excl. Chicago					
1919	11,139	50,669	33,595	17,074	12,920	8,240	14,814	6,165	22,903
1920	12,812	59,066	37,954	21,112	13,542	8,902	16,322	7,240	28,226
1921	9,383	46,837	30,832	16,005	10,401	6,788	12,207	5,807	23,937
1922	9,579	49,304	32,331	16,973	10,939	6,971	12,550	6,010	24,562
1923	11,137	55,367	35,279	20,088	12,794	7,495	13,494	6,217	28,936
1924	11,721	55,995	35,723	20,272	12,812	8,240	12,778	6,227	29,535
1925	13,914	63,575	40,470	23,105	14,386	9,039	14,193	7,197	32,731
1926	14,264	67,217	42,839	24,378	14,741	8,301	14,824	7,474	35,663
1927	13,790	70,195	45,970	24,225	14,750	8,699	15,088	7,782	39,470
1928	13,707	79,062	51,162	27,900	15,495	9,297	16,083	8,415	45,670
1929	14,267	88,910	58,739	30,171	15,651	10,139	17,818	9,196	46,673
1930	11,923	72,434	47,094	25,340	13,031	8,662	15,770	7,796	39,924
1931	9,919	55,257	35,065	20,192	10,464	6,710	11,930	6,084	31,255

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
All districts:												
1924	41,498	37,398	40,739	39,519	40,044	40,230	40,131	38,692	38,972	43,418	41,893	49,157
1925	49,982	41,517	47,623	44,558	46,596	48,631	47,037	43,134	45,264	52,955	48,367	54,399
1926	54,145	44,915	56,464	51,837	48,020	50,662	50,959	47,011	46,954	52,535	47,384	57,070
1927	54,715	48,220	58,518	55,583	54,143	56,820	53,682	53,702	56,750	59,201	57,085	65,441
1928	62,885	54,494	70,634	67,003	71,616	72,485	58,981	58,504	63,176	72,894	71,349	82,386
1929	82,814	70,777	83,524	74,750	76,535	69,666	77,631	77,344	77,617	95,527	82,090	66,752
1930	60,423	52,625	65,723	62,946	61,811	62,312	52,744	45,993	48,636	54,460	42,176	52,107
1931	46,253	38,031	47,011	46,440	43,930	45,299	39,451	34,027	36,700	38,802	29,069	36,345
All districts, excl. New York City:												
1924	19,384	17,512	19,193	18,865	18,639	18,304	18,662	17,776	18,238	20,912	18,846	21,830
1925	22,300	18,593	21,241	20,613	20,417	21,701	21,579	19,869	20,895	24,039	21,358	24,086
1926	23,607	20,102	23,459	22,537	21,449	22,466	23,300	20,778	21,336	23,780	21,594	24,493
1927	23,457	20,781	24,026	23,576	22,873	23,812	22,932	22,048	23,381	25,111	23,803	26,503
1928	25,001	21,755	25,847	25,225	26,346	27,029	23,897	23,401	24,450	27,705	25,880	29,659
1929	28,095	24,489	28,099	26,770	26,492	26,404	28,416	28,310	27,274	32,202	28,486	26,902
1930	25,691	21,508	24,983	24,315	24,388	24,621	23,145	20,941	21,253	23,679	19,686	23,107
1931	21,697	17,084	19,421	19,620	18,858	19,406	18,444	16,526	16,627	18,125	14,605	17,112
New York City:												
1924	22,114	19,886	21,546	20,654	21,406	21,469	20,916	20,734	22,506	23,047	23,047	27,327
1925	27,682	22,924	26,382	23,945	26,179	26,930	25,458	23,265	24,369	28,916	27,009	30,313
1926	30,538	24,813	33,005	29,300	26,571	28,196	27,659	26,233	25,618	28,755	25,790	32,577
1927	31,258	27,439	34,492	32,007	31,270	33,008	30,750	31,653	33,369	34,091	33,282	38,938
1928	37,884	32,740	44,786	41,778	45,270	45,455	35,085	35,102	38,725	45,189	45,469	52,727
1929	54,719	46,289	55,425	47,979	50,043	43,263	49,215	49,034	50,342	63,325	53,604	39,850
1930	34,732	31,117	40,740	38,631	37,423	37,690	29,600	25,052	27,383	30,781	22,490	29,001
1931	24,557	20,948	27,589	26,821	25,072	25,893	21,007	17,501	20,073	20,678	14,464	19,233

Source: Federal Reserve Board.

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No. 271.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES

NOTE.—**All figures in millions of dollars.** For totals by districts see Table 270

District and city	1923	1924	1925	1926	1927	1928	1929	1930	1931
Boston district:									
Bangor, Me	180	169	167	181	185	188	199	190	157
Boston, Mass	17,948	18,769	21,500	23,450	25,240	25,268	27,540	22,074	17,346
Fall River, Mass	413	359	401	355	376	371	354	277	234
Hartford, Conn	1,314	1,449	1,565	1,682	2,236	2,563	3,084	2,469	2,110
Holyoke, Mass	211	182	199	196	243	217	190	170	142
Lowell, Mass	272	231	249	247	243	239	254	223	196
New Bedford, Mass	383	366	404	360	364	322	378	297	236
New Haven, Conn	1,050	1,087	1,164	1,206	1,289	1,403	1,503	1,355	1,159
Providence, R. I	1,826	1,804	1,984	1,958	1,958	2,176	2,374	1,882	1,514
Waterbury, Conn	395	403	455	469	489	549	600	439	351
Worcester, Mass	859	857	926	929	943	928	995	845	707
New York district:									
Albany, N. Y	1,239	1,410	1,544	1,608	1,758	1,853	2,172	2,213	1,684
Binghamton, N. Y	242	235	263	270	279	299	330	285	233
Buffalo, N. Y	3,625	3,630	4,208	4,322	4,437	5,226	6,283	4,736	3,532
New York, N. Y	238,396	263,531	313,373	339,055	391,558	500,211	603,089	384,639	263,834
Passaic, N. J	387	397	491	510	547	579	562	493	432
Rochester, N. Y	1,790	1,856	2,076	2,106	2,194	2,273	2,370	1,907	1,577
Syracuse, N. Y	814	802	888	961	1,046	1,144	1,255	1,081	890
Philadelphia district:									
Altoona, Pa	206	180	189	197	207	207	211	192	146
Chester, Pa	287	278	304	322	275	316	325	294	229
Lancaster, Pa	318	335	366	351	351	396	433	397	316
Philadelphia, Pa	18,443	18,841	21,109	21,938	22,840	25,678	28,253	22,254	17,840
Scranton, Pa	893	906	882	915	923	931	922	790	700
Trenton, N. J	712	755	820	871	905	968	1,038	908	924
Wilkes-Barre, Pa	524	586	689	565	587	611	570	468	410
Williamsport, Pa	217	200	215	230	249	253	272	211	171
Wilmington, Del	463	440	504	581	670	807	1,099	885	684
York, Pa	238	252	274	279	283	298	317	290	241
Cleveland district:									
Akron, Ohio	868	878	1,081	1,130	1,218	1,343	1,442	1,170	942
Cleveland, Ohio	7,774	7,588	8,359	9,088	9,793	10,188	11,439	9,882	7,822
Columbus, Ohio	1,803	1,614	1,766	1,926	2,017	2,063	2,319	2,205	1,788
Dayton, Ohio	834	816	936	1,058	1,132	1,100	1,299	1,066	864
Erie, Pa	386	378	412	434	435	454	497	467	375
Greensburg, Pa	257	266	250	249	270	250	255	236	100
Lexington, Ky	289	262	277	281	299	297	340	298	235
Oil City, Pa	158	158	179	172	186	212	235	196	147
Pittsburgh, Pa	10,097	10,140	11,316	11,342	12,273	12,190	13,515	11,937	9,101
Springfield, Ohio	250	234	265	289	287	281	299	271	209
Toledo, Ohio	2,132	2,168	2,494	2,637	2,857	3,354	2,769	2,190	1,492
Wheeling, W. Va	553	543	550	568	560	626	627	528	440
Youngstown, Ohio	740	730	842	848	854	893	988	812	563
Richmond district:									
Baltimore, Md	4,524	4,527	5,072	5,205	5,052	4,942	5,217	5,166	4,413
Charlotte, N. C	495	527	590	612	659	690	713	582	500
Columbia, S. C	296	252	237	229	281	292	299	303	261
Greenville, S. C	354	310	314	336	333	285	272	219	181
Norfolk, Va	891	828	865	951	898	859	804	682	566
Raleigh, N. C	364	337	406	313	297	297	300	288	259
Richmond, Va	1,577	1,518	1,709	1,690	1,711	1,720	1,773	1,656	1,480
Atlanta district:									
Atlanta, Ga	1,603	1,669	1,905	1,961	1,886	2,026	2,553	1,917	1,625
Augusta, Ga	370	330	348	320	331	331	329	258	207
Birmingham, Ala	1,290	1,410	1,604	1,726	1,794	1,806	1,785	1,475	1,158
Chattanooga, Tenn	449	450	515	582	587	594	632	571	455
Jacksonville, Fla	652	730	1,188	1,341	1,047	903	908	834	684
Knoxville, Tenn	377	378	383	413	423	441	435	372	307
Macon, Ga	254	257	291	287	270	272	245	203	155
Mobile, Ala	355	342	423	470	483	482	496	443	350
Montgomery, Ala	260	262	292	288	314	333	344	286	205
Nashville, Tenn	876	886	978	1,003	1,090	1,220	1,326	1,087	826
New Orleans, La	3,552	3,882	4,314	4,146	4,189	4,109	4,095	3,531	3,162
Pensacola, Fla	86	86	107	107	96	92	90	80	70
Savannah, Ga	540	499	560	603	610	534	522	442	362
Tampa, Fla	377	440	904	921	579	468	416	354	298
Vicksburg, Miss	93	100	102	96	92	95	91	70	54
Chicago district:									
Bay City, Mich	128	136	158	162	157	153	166	139	113
Bloomington, Ill	137	136	155	156	157	172	192	173	143
Cedar Rapids, Iowa	333	410	500	486	499	546	573	549	468
Chicago, Ill	35,279	35,723	40,470	42,839	45,970	51,162	58,739	47,094	35,065
Davenport, Iowa	406	354	382	410	432	510	564	566	455
Decatur, Ill	182	191	232	240	248	250	258	234	177
Des Moines, Iowa	976	1,025	894	975	986	997	1,022	980	857
Detroit, Mich	7,918	8,226	9,971	10,482	10,225	13,427	14,759	11,693	9,051
Dubuque, Iowa	174	174	183	185	195	202	190	179	137
Flint, Mich	387	367	380	439	524	605	632	446	360

For footnote see p. 269.

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No. 271.—DEBITS TO INDIVIDUAL ACCOUNTS: VOLUME REPORTED BY BANKS IN 141 PRINCIPAL CITIES—Continued

District and city	1923	1924	1925	1926	1927	1928	1929	1930	1931
Chicago district—Continued.									
Fort Wayne, Ind	472	485	522	510	516	560	637	554	434
Grand Rapids, Mich	801	803	1,026	1,040	995	1,052	1,107	881	754
Indianapolis, Ind	1,880	1,811	1,884	2,207	2,223	2,279	2,503	2,165	1,885
Kalamazoo, Mich	249	245	273	292	307	344	358	304	252
Lansing, Mich	416	352	403	402	385	420	512	362	281
Milwaukee, Wis	3,283	3,142	3,398	3,620	3,700	3,740	3,796	3,532	2,932
Peoria, Ill	474	487	554	571	578	644	739	664	501
Rockford, Ill	288	293	339	381	398	432	470	378	271
Sioux City, Iowa	898	934	1,033	976	867	699	753	678	503
South Bend, Ind	471	487	594	608	588	596	651	617	445
Waterloo, Ind	217	211	221	236	244	273	290	246	172
St. Louis district:									
Evansville, Ind	387	354	472	492	581	582	462	324	269
Little Rock, Ark	732	805	884	979	954	995	[2] 628	494	329
Louisville, Ky	1,906	1,998	2,262	2,358	2,312	2,458	2,524	2,184	1,574
Memphis, Tenn	1,736	1,650	1,823	1,821	1,952	1,912	2,196	1,681	1,206
St. Louis, Mo	8,033	8,006	8,944	9,090	8,951	9,548	9,841	8,348	7,085
Minneapolis district:									
Aberdeen, S. Dak	67	73	84	81	81	90	86	74	60
Billings, Mont	97	86	91	95	100	117	120	98	84
Duluth, Minn	921	1,270	1,277	954	1,112	1,094	1,094	884	611
Fargo, N. Dak	148	139	173	186	188	229	242	207	179
Grand Forks, N. Dak	95	84	101	108	99	103	98	84	72
Helena, Mont	113	114	114	108	109	116	124	105	91
Minneapolis, Minn	3,885	4,408	5,069	4,684	4,838	5,295	6,010	5,081	3,871
St. Paul, Minn	2,072	1,974	2,037	1,987	2,074	2,148	2,261	2,038	1,669
Superior, Wis	97	92	93	98	99	104	105	92	72
Kansas City district:									
Albuquerque, N. Mex	114	118	121	132	144	155	162	151	127
Bartlesville, Okla	138	151	193	251	286	213	279	314	209
Colorado Springs, Colo	150	155	185	181	181	202	208	202	169
Denver, Colo	1,951	1,977	2,130	2,159	2,119	2,196	2,434	2,058	1,687
Joplin, Mo	168	173	210	222	187	172	185	130	91
Kansas City, Kans	239	234	237	245	246	247	245	240	185
Kansas City, Mo	4,176	4,036	4,465	4,633	4,656	5,077	5,699	4,986	3,856
Muskogee, Okla.[3]	298	151	154	145	145	146	153	126	94
Oklahoma City, Okla	939	913	1,036	1,134	1,262	1,364	1,569	1,473	1,043
Omaha, Nebr	2,456	2,207	2,437	2,387	2,408	2,601	2,767	2,507	2,004
Pueblo, Colo	210	232	246	247	268	262	285	252	218
St. Joseph, Mo	739	730	742	748	682	714	704	563	414
Topeka, Kans	189	185	211	212	230	248	249	246	204
Tulsa, Okla	1,182	1,009	1,269	1,532	1,577	1,658	1,996	1,780	1,086
Wichita, Kans	544	508	557	596	[4] 698	829	882	743	543
Dallas district:									
Austin, Tex	204	218	249	238	238	238	271	243	221
Beaumont, Tex	195	199	214	259	288	301	344	302	236
Dallas, Tex	2,076	2,179	2,527	2,542	2,620	2,868	3,134	2,641	2,001
El Paso, Tex	366	399	397	381	385	426	491	433	290
Fort Worth, Tex	1,033	862	909	1,018	1,139	1,277	1,377	1,084	837
Houston, Tex	1,480	1,509	[5] 1,984	[5] 2,116	2,186	2,319	2,536	2,222	1,799
Shreveport, La	423	428	474	484	468	506	539	451	344
Texarkana, Tex	114	103	113	126	126	128	128	97	70
Tucson, Ariz	92	102	109	109	111	128	142	131	125
Waco, Tex	234	228	221	201	221	224	233	192	159
San Francisco district:									
Boise, Idaho	150	140	151	163	169	187	191	175	159
Fresno, Calif	613	400	468	485	495	436	424	395	272
Long Beach, Calif	710	607	572	591	580	674	752	580	473
Los Angeles, Calif	8,419	8,921	9,458	10,475	11,199	12,912	14,622	11,999	9,288
Oakland, Calif	1,451	1,481	1,720	2,065	2,697	3,017	2,846	2,317	2,247
Ogden, Utah	346	286	320	249	226	234	245	224	167
Pasadena, Calif	379	387	417	445	481	487	490	406	354
Portland, Oreg	1,867	1,942	1,999	2,195	2,046	2,202	2,371	2,100	1,711
Reno, Nev	125	96	104	111	114	123	156	133	119
Sacramento, Calif	538	520	438	394	480	605	625	581	558
Salt Lake City, Utah	766	780	865	865	862	927	1,012	885	711
San Diego, Calif	553	580	669	771	743	753	776	657	558
San Francisco, Calif	9,482	9,768	11,496	12,598	15,052	18,384	16,987	15,055	11,179
Seattle, Wash	2,051	2,167	2,425	2,551	2,616	2,958	3,297	2,814	2,242
Spokane, Wash	598	567	627	670	668	686	737	612	485
Stockton, Calif	299	286	317	325	343	352	345	285	205
Tacoma, Wash	465	480	524	548	539	559	608	526	385
Yakima, Wash	124	127	160	162	160	173	187	178	142

[1] Figures through April, 1928, are for Charleston, S. C. Greenville substituted for Charleston in national summaries beginning May, 1928.
[2] Revised figure.
[3] Figures for Muskogee prior to December, 1923, include debits to accounts of banks.
[4] Includes debits of $64,250,000 for June–December, 1927, of 10 banks not reporting until June, 1927.
[5] Revised to include 8 banks, figures for which did not become available until 1927.

Source: Federal Reserve Board.

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No. 272.—BANKS SUSPENDED AND REOPENED, 1921 TO 1931

NOTE.—Banks closed on account of financial difficulties by order of supervisory authorities or by the directors of the bank. Figures of suspensions include banks subsequently reopened. For bank failures, 1912 to 1931, as compiled by Dun's Review, see Table 306, p. 297

[Capital and deposits in thousands of dollars]

Year	Banks suspended			Banks reopened			Banks suspended			Banks reopened		
	Number	Capital	Deposits	Number	Capital	Deposits	Number	Capital	Deposits	Number	Capital	Deposits
	All banks						National-bank members					
1921	501	22,802	196,460	60	1,918	17,493	51	3,060	21,285	8	325	2,499
1922	354	13,743	110,721	65	4,003	35,565	45	3,335	19,092	22	1,330	8,076
1923	648	21,943	188,701	37	1,516	11,674	90	4,610	32,904	11	570	3,973
1924	776	28,358	213,338	94	2,815	22,462	122	7,660	60,889	18	785	6,895
1925	612	24,441	172,900	62	1,994	16,618	118	7,970	58,537	11	700	6,300
1926	956	32,804	272,488	149	5,134	60,610	125	6,020	47,866	10	490	4,665
1927	662	24,763	193,891	95	3,906	35,729	91	5,415	46,581	8	485	5,073
1928	491	19,715	138,642	39	1,540	15,727	57	4,200	31,619	2	75	417
1929	642	32,254	234,532	58	3,052	25,829	64	5,095	37,007	3	160	1,607
1930	1,345	111,643	864,715	147	6,802	61,599	161	19,675	173,290	5	310	1,872
1931	2,298	208,120	1,691,510	276	19,102	158,187	409	49,347	439,171	25	3,165	26,182
	State-bank members						Nonmember banks					
1921	19	2,309	21,218	2	150	633	431	17,433	153,957	50	1,443	14,361
1922	12	621	5,151	2	250	3,542	297	9,787	86,478	41	2,423	23,947
1923	34	2,235	18,324	3	115	1,095	524	15,098	137,473	23	831	6,606
1924	37	2,645	13,580	2	75	295	617	18,053	138,869	74	1,955	15,272
1925	28	1,950	8,727	3	100	479	466	14,521	105,636	48	1,194	9,839
1926	35	2,549	20,946	4	220	3,514	796	24,235	203,676	135	4,424	52,431
1927	33	2,619	19,755	3	360	3,238	538	16,729	127,555	84	3,061	27,418
1928	16	975	10,621	3	250	6,193	418	14,540	96,402	34	1,215	9,117
1929	17	2,030	20,128	2	125	666	561	25,129	177,397	53	2,767	23,556
1930	26	30,735	207,150	2	140	1,666	1,158	61,233	484,275	140	6,352	58,061
1931	108	34,514	294,357	6	4,050	27,762	1,781	124,259	957,982	245	11,887	104,243

No. 273.—BANKS SUSPENDED AND REOPENED, BY STATES, 1931

[Deposits in thousands of dollars]

Division and State	Banks suspended		Banks reopened		Division and State	Banks suspended		Banks reopened	
	Number	Deposits	Number	Deposits		Number	Deposits	Number	Deposits
Contl. U. S.	**2,298**	**1,691,510**	**276**	**158,187**	**South Atlantic—Con.**				
					Virginia	37	16,792	13	4,525
New England	**33**	**117,038**	**3**	**7,899**	West Virginia	57	37,832	7	5,922
Maine	2	2,254	------	------	North Carolina	63	29,791	33	10,024
New Hampshire	2	1,002	------	------	South Carolina	34	9,947	1	182
Vermont	------	------	------	------	Georgia	35	8,515	1	110
Massachusetts	19	95,408	1	2,436	Florida	17	9,935	2	866
Rhode Island	------	------	------	------					
Connecticut	10	18,374	2	5,463	**East South Central**	**154**	**58,811**	**53**	**34,986**
					Kentucky	27	18,132	10	16,057
Middle Atlantic	**230**	**436,716**	**3**	**21,979**	Tennessee	31	5,583	4	419
New York	55	92,801	1	18,801	Alabama	36	6,759	------	------
New Jersey	38	73,128	2	3,178	Mississippi	60	28,337	39	18,510
Pennsylvania	137	270,787	------	------					
					West South Central	**174**	**69,263**	**58**	**18,588**
East North Central	**611**	**627,849**	**54**	**29,585**	Arkansas	57	11,744	36	8,894
Ohio	115	260,439	3	1,081	Louisiana	7	4,712	2	2,947
Indiana	96	63,890	20	10,777	Oklahoma	24	3,404	5	517
Illinois	238	175,978	17	10,278	Texas	86	49,403	15	6,230
Michigan	113	102,841	3	2,636					
Wisconsin	49	24,701	11	4,813	**Mountain**	**62**	**19,909**	**3**	**943**
					Montana	11	1,136	1	74
West North Central	**717**	**190,081**	**42**	**19,005**	Idaho	10	2,290	1	117
Minnesota	101	25,313	7	2,468	Wyoming	3	1,031	------	------
Iowa	208	86,222	2	7,710	Colorado	21	3,234	------	------
Missouri	122	22,899	9	1,954	New Mexico	1	752	1	752
North Dakota	66	8,170	2	369	Arizona	5	2,968	------	------
South Dakota	73	12,971	12	3,527	Utah	9	8,326	------	------
Nebraska	109	28,137	10	2,977	Nevada	2	172	------	------
Kansas	38	6,369	------	------					
					Pacific	**54**	**33,256**	------	------
South Atlantic	**263**	**138,587**	**60**	**25,202**	Washington	22	10,429	------	------
Delaware	------	------	------	------	Oregon	14	9,460	------	------
Maryland	20	25,775	3	3,573	California	18	13,367	------	------
District of Col.	------	------	------	------					

Source of Tables 272 and 273: Federal Reserve Board.

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12. WEALTH

(Data in this section relate to continental United States)

No. 274.—ESTIMATED NATIONAL WEALTH OF THE UNITED STATES: TOTAL, 1850 TO 1922, AND BY CLASSES OF PROPERTY, 1900 TO 1922

NOTE.—Estimates of national wealth for the earlier censuses were not made by precisely the same methods used more recently and are not closely comparable. Changes in buying power of money, as indicated by levels of prices and wages, materially affect the comparisons (see price tables in sec. 14)

[All figures, except per capita, in millions of dollars]

Year	Amount (millions of dollars)			Amount per capita (dollars)		
	Total	Taxable	Exempt	Total	Taxable	Exempt
1850	7,136	7,136	----	308	308	----
1860	16,160	16,160	----	514	514	----
1870 (currency basis)	30,069	30,069	----	780	780	----
1870 (gold basis)	24,055	24,055	----	624	624	----
1880	43,642	41,642	[1] 2,000	870	830	40
1890	65,037	61,204	3,833	1,036	975	61
1900	88,517	82,305	6,213	1,165	1,083	82
1904	107,104	100,273	6,831	1,318	1,234	84
1912	[2] 186,300	[2] 173,986	12,314	1,950	1,820	129
1922	320,804	300,298	20,506	2,918	2,731	186

Form of wealth	1900	1904	1912	1922
Grand total	88,517	107,104	[2] 186,300	320,804
Real estate, plant and equipment, total	69,848	83,801	141,700	229,406
Real property taxed	46,325	55,510	[2] 96,923	155,909
Real property exempt	6,213	6,831	12,314	20,506
Livestock	3,306	4,074	6,238	5,807
Farm implements and machinery	750	845	1,368	2,605
Gold and silver coin and bullion	1,677	1,999	2,617	4,278
Manufacturing machinery, tools, etc	2,541	3,298	6,091	15,783
Railroads and their equipment	9,036	11,245	16,149	19,951
Motor vehicles	----	----	----	4,567
Transportation and transmission enterprises (except railroads) total	3,495	4,841	10,265	15,414
Street railways	1,576	2,220	4,597	4,878
Telegraph systems	212	227	223	204
Telephone systems	400	586	1,081	1,746
Pullman and other private cars not owned by railroads	99	123	123	545
Pipe lines	----	----	----	500
Shipping and canals	538	846	[3] 1,491	[4] 2,951
Irrigation enterprises	----	----	361	----
Privately owned waterworks	268	275	290	361
Privately owned central electric light and power stations	403	563	2,099	4,229
All other, total	15,174	18,462	34,334	75,984
Agricultural products	1,455	1,899	5,240	5,466
Manufactured products	6,087	7,409	14,694	28,423
Imported merchandise	425	496	827	1,549
Mining products	327	408	816	730
Clothing and personal ornaments	2,000	2,500	4,295	39,816
Furniture, carriages, etc	4,880	5,750	8,463	

[1] From page 11, 1880 census volume, Valuation, Taxation, and Public Indebtedness.
[2] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[3] Includes $402,000,000 value of ships belonging to the United States Navy.
[4] Includes $1,446,000,000 value of ships belonging to the United States Navy.

Source: Bureau of the Census, Department of Commerce.

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No. 275.—WEALTH; Estimates For Each Geographic

Note.—See headnotes, Tables 274 and 276. For totals see Table 276. For assessed value

[All figures in thou

Division and State	Real property and improvements		Livestock		Farm implements and machinery		Manufacturing machinery, tools, and implements	
	1912	1922	1912	1922	1912	1922	1912	1922
United States	[1] 109,236,926	176,414,444	6,238,389	5,807,104	1,368,225	2,604,638	6,091,451	15,783,260
New England	7,248,043	13,173,296	152,412	147,822	53,648	69,703	786,480	2,007,629
Maine	485,859	1,019,946	32,745	32,987	15,628	20,830	69,941	148,362
New Hampshire	335,212	664,968	16,015	16,588	6,020	6,911	38,562	116,796
Vermont	255,994	395,370	30,651	35,296	10,695	17,605	19,089	47,350
Massachusetts	4,118,216	7,156,110	43,149	35,082	12,111	13,775	377,873	1,046,430
Rhode Island	600,747	912,419	6,875	5,261	1,884	1,557	93,860	211,496
Connecticut	1,452,015	3,024,483	22,977	22,608	7,310	9,025	167,155	437,195
Middle Atlantic	30,315,702	41,522,524	519,253	466,545	177,726	279,728	1,994,416	5,326,850
New York	16,910,263	20,757,834	263,578	225,149	89,173	134,379	813,601	2,133,897
New Jersey	3,856,915	5,850,567	45,848	37,872	13,865	18,028	303,596	999,080
Pennsylvania	9,548,524	14,914,123	209,827	203,524	74,688	127,321	877,219	2,193,873
East North Central	23,748,446	37,400,645	1,301,591	1,194,289	289,229	533,219	1,415,243	4,313,565
Ohio	5,173,708	10,176,297	273,612	248,248	54,181	86,177	423,068	1,330,529
Indiana	2,957,867	4,654,789	227,006	203,370	43,733	80,633	178,385	473,498
Illinois	10,046,320	12,568,726	386,701	319,023	79,474	159,557	451,299	1,194,793
Michigan	3,067,379	5,790,479	184,783	167,484	54,141	84,200	199,266	831,778
Wisconsin	2,503,172	4,210,354	229,489	256,164	57,700	122,652	163,225	482,967
West North Central	18,690,287	29,199,775	1,838,987	1,664,077	403,249	848,737	363,455	951,731
Minnesota	3,391,615	5,204,208	217,832	228,685	56,775	132,862	83,648	241,484
Iowa	5,111,230	7,173,551	491,614	466,802	102,981	228,773	58,520	143,628
Missouri	3,264,059	5,796,306	308,101	248,056	55,328	98,586	125,038	333,027
North Dakota	1,261,388	1,625,963	125,614	98,225	49,878	94,095	5,245	9,470
South Dakota	639,662	2,072,618	145,815	152,592	38,101	85,646	6,044	11,048
Nebraska	2,316,850	3,530,655	265,474	250,865	48,112	104,500	35,084	86,808
Kansas	2,705,483	3,796,474	284,537	218,852	52,074	104,275	49,876	126,266
South Atlantic	7,536,325	16,662,387	485,664	507,101	107,213	189,116	545,735	1,182,166
Delaware	172,148	328,375	8,795	7,238	3,417	4,910	16,694	52,085
Maryland	1,345,484	1,968,289	45,904	42,821	12,509	20,007	85,043	219,387
District of Columbia	902,024	1,274,899	1,795	542	84	66	13,786	22,097
Virginia	1,176,104	2,772,373	85,954	92,653	19,757	35,576	66,657	164,146
West Virginia	1,399,190	3,250,693	55,993	58,043	7,406	13,155	60,272	119,953
North Carolina	700,300	2,371,365	85,068	103,397	20,316	33,853	85,120	238,327
South Carolina	506,607	1,189,944	61,304	61,927	15,605	32,945	98,943	132,579
Georgia	904,984	1,954,736	106,429	101,764	23,177	39,908	90,429	159,411
Florida	429,484	1,551,713	34,422	38,716	4,942	8,696	28,791	74,181
East South Central	3,381,632	6,923,148	439,418	397,499	80,654	137,296	222,239	459,293
Kentucky	1,139,434	1,864,939	136,524	112,090	21,962	34,593	41,219	97,856
Tennessee	831,914	2,499,378	126,175	115,059	22,504	42,982	50,650	145,206
Alabama	933,661	1,419,872	86,921	84,718	17,813	26,821	95,250	160,989
Mississippi	476,623	1,138,959	89,798	85,632	18,375	32,900	35,120	55,242
West South Central	7,227,378	11,047,953	722,173	587,968	128,079	227,326	250,665	519,270
Arkansas	890,977	1,481,157	88,302	74,514	18,487	36,264	30,525	48,928
Louisiana	1,028,989	1,531,235	64,773	65,511	17,065	28,139	88,307	164,146
Oklahoma	[3] 1,699,348	2,072,955	174,194	120,136	30,404	57,031	21,965	97,857
Texas	3,608,064	5,962,606	394,904	327,807	62,123	105,892	109,868	208,339
Mountain	2,799,847	6,777,184	460,555	514,601	55,555	145,223	163,747	296,726
Montana	450,272	1,223,935	91,708	98,904	11,913	45,353	6,199	48,928
Idaho	143,201	898,175	58,398	70,411	11,912	30,635	18,598	34,723
Wyoming	90,281	589,746	54,435	59,682	4,129	8,624	3,044	28,410
Colorado	1,223,512	1,758,446	88,060	100,664	14,401	35,059	91,354	86,808
New Mexico	147,057	440,772	55,004	47,068	4,717	6,866	3,665	4,735
Arizona	183,409	815,594	43,997	57,658	1,992	6,365	12,610	36,302
Utah	376,008	795,047	39,302	53,055	4,777	9,493	24,491	50,507
Nevada	186,107	255,469	29,651	27,159	1,714	2,828	3,786	6,313
Pacific	8,289,266	13,707,532	318,336	327,202	72,672	174,290	369,471	726,030
Washington	1,888,850	3,257,299	68,242	60,918	18,798	40,416	111,049	203,604
Oregon	1,163,594	2,089,511	74,362	75,176	14,545	31,242	38,108	83,651
California	5,236,822	8,360,722	175,732	191,108	39,529	102,632	220,314	438,775

[1] Not distributed by States in 1922; total $4,278,155,000.
[2] Not shown separately in 1912.
[3] Differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma.
[4] Includes $402,352,000 value of ships belonging to the United States Navy and $290,000,000 value of privately owned water-supply systems not distributed by States.

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DIVISION AND STATE, BY CLASSES OF TANGIBLE PROPERTY

tion of property subject to general property tax in 1930, by States, see Table 196, p. 205

sands of dollars]

Gold and silver coin and bullion [1]	Railroads and their equipment		Motor vehicles [2]	Street railways, shipping, waterworks, etc.		All other		Division and State
1912	1912 (revised)	1922	1922	1912	1922	1912	1922	
2,616,643	16,148,532	19,950,800	4,567,407	[3]10,265,207	[3]15,414,447	34,334,291	[3]80,261,762	**United States.**
168,386	613,892	759,764	299,461	667,312	983,968	2,247,249	6,972,673	**New England.**
14,779	97,342	119,353	35,044	77,912	96,371	223,533	533,638	Maine.
8,023	85,204	104,699	18,380	31,073	42,521	137,796	403,272	New Hampshire.
6,500	43,895	53,953	16,170	20,642	43,621	117,352	232,675	Vermont.
101,876	213,277	268,013	146,249	348,842	530,538	1,165,798	3,784,642	Massachusetts.
13,603	28,277	34,671	25,297	53,772	65,130	187,578	668,495	Rhode Island.
23,605	145,897	179,075	58,321	135,571	205,787	415,192	1,349,951	Connecticut.
899,203	3,190,418	3,914,682	824,572	2,792,250	4,277,011	8,012,298	21,051,284	**Middle Atlantic.**
632,555	1,206,211	1,479,682	384,113	1,787,202	2,594,070	3,961,420	9,326,138	New York.
54,897	434,057	532,263	132,323	302,215	414,776	999,917	3,809,280	New Jersey.
211,751	1,550,150	1,902,737	308,136	702,833	1,268,165	3,050,961	7,915,866	Pennsylvania.
488,764	3,184,542	3,989,211	1,151,490	2,035,017	2,763,670	7,144,772	17,476,925	**East North Central.**
112,275	821,906	1,009,197	324,733	584,793	754,071	1,679,758	4,560,300	Ohio.
57,445	644,519	790,298	176,518	286,567	358,930	963,428	2,091,690	Indiana.
205,185	942,118	1,221,143	292,664	748,713	982,060	2,640,355	5,494,828	Illinois.
63,658	455,281	571,827	216,492	268,201	442,679	1,004,709	3,299,922	Michigan.
50,201	320,718	396,746	141,083	146,743	225,930	856,522	2,030,185	Wisconsin
285,898	2,715,448	3,333,141	768,598	843,053	1,288,585	5,469,983	7,984,238	**West North Central.**
51,532	449,603	554,570	141,553	231,846	285,818	949,426	1,758,738	Minnesota.
49,566	476,208	583,887	183,655	133,832	246,538	1,285,015	1,484,848	Iowa.
93,140	499,477	612,795	145,789	267,557	404,419	1,115,248	2,342,431	Missouri.
12,454	249,183	305,530	36,036	17,052	34,387	392,126	264,066	North Dakota.
12,335	187,283	229,631	46,076	25,802	37,190	272,174	291,167	South Dakota.
30,453	310,258	380,413	95,067	79,476	110,217	635,104	761,550	Nebraska.
36,418	543,436	666,315	120,422	87,488	150,016	820,890	1,081,438	Kansas.
226,712	1,721,552	2,134,778	895,355	680,270	1,069,316	3,285,351	7,028,245	**South Atlantic.**
3,936	17,876	21,919	8,916	20,411	26,630	61,639	175,692	Delaware.
28,723	149,116	183,100	61,561	165,625	257,354	403,079	1,238,211	Maryland.
8,779	17,315	21,231	19,996	64,168	77,745	163,754	280,694	Dist. of Columbia.
37,837	408,626	501,972	63,113	103,842	178,308	503,635	1,083,429	Virginia.
23,590	357,238	441,524	41,297	67,306	133,319	456,936	619,935	West Virginia.
37,627	204,606	251,694	67,779	44,410	81,257	507,962	1,395,438	North Carolina.
25,507	130,580	160,166	35,098	55,766	83,227	366,736	708,959	South Carolina.
45,623	246,422	319,619	53,489	129,509	169,070	616,460	1,098,762	Georgia.
15,090	189,773	233,548	44,106	29,233	62,406	205,150	427,125	Florida.
149,235	887,937	1,092,609	170,162	304,131	491,510	1,945,457	3,318,858	**East South Central.**
41,650	256,492	314,731	57,337	91,800	161,468	547,922	939,377	Kentucky.
39,068	216,745	269,323	50,734	118,787	148,390	477,855	957,179	Tennessee.
38,212	240,989	295,534	33,496	65,269	138,895	537,315	841,718	Alabama.
30,305	173,711	213,021	28,595	28,275	42,757	382,365	580,584	Mississippi.
175,407	1,321,078	1,625,144	349,397	346,620	760,984	3,037,450	4,742,847	**West South Central.**
27,064	226,202	278,425	31,302	32,908	60,667	407,436	588,360	Arkansas.
32,739	215,562	264,484	38,439	93,342	143,488	449,035	1,181,418	Louisiana.
34,258	359,550	441,267	89,925	48,416	171,752	749,411	942,601	Oklahoma.
81,346	519,764	640,968	189,731	171,954	385,077	1,431,568	2,030,468	Texas.
69,651	1,330,859	1,635,609	160,400	564,515	503,090	1,140,075	2,173,268	**Mountain.**
11,119	258,561	318,993	23,308	106,010	111,834	196,976	351,934	Montana.
7,758	130,449	159,946	19,934	95,201	53,933	113,480	266,184	Idaho.
3,593	104,966	128,700	11,397	26,724	25,039	68,561	124,641	Wyoming.
23,696	297,625	364,963	59,893	197,642	143,485	379,022	680,094	Colorado.
6,645	169,032	207,660	9,184	18,070	16,671	10,929	118,880	New Mexico.
4,729	85,531	105,831	13,736	37,983	30,469	86,474	248,336	Arizona.
9,580	144,270	177,314	18,575	57,964	101,497	139,908	329,989	Utah.
2,531	140,425	172,202	4,373	24,921	20,162	64,725	53,210	Nevada.
153,387	1,182,806	1,465,867	447,972	1,339,187	1,489,436	2,051,656	5,235,269	**Pacific.**
35,800	316,244	390,042	79,904	227,342	247,806	516,733	842,416	Washington.
25,140	293,002	365,252	50,373	145,747	184,070	302,941	540,184	Oregon.
92,447	573,560	710,573	317,695	966,098	1,057,560	1,231,982	3,852,669	California.

[1] Includes $1,445,992,000 value of ships belonging to the United States Navy and $360,885,000 privately owned water-supply systems not distributed by States.

[2] Includes $4,278,155,000 value of gold and silver coin and bullion not distributed by States.

Source: Bureau of the Census, Department of Commerce.

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No. 276.—WEALTH: Estimated Value of All Tangible Property Situated in Each Geographic Division and State

Note.—See headnote to Table 274. This table shows, not the value of property owned by the citizens of each State, but that of the physical property lying in each State wherever the securities or other evidences of title representing it may be found or owned. The per capita figures thus do not represent the average wealth of the citizens of each State

Division and State	Amount (millions of dollars)						Total amount per capita (dollars)				
	Total					Taxable 1922					
	1890	1900	1904	1912 [1]	1922 [2]		1890	1900	1904	1912	1922
United States	65,037	88,517	107,104	186,300	320,804	300,298	1,036	1,165	1,318	1,950	2,918
New England	5,223	7,753	8,823	11,918	24,415	22,552	1,111	1,386	1,498	1,761	3,186
Maine	489	682	776	1,018	2,007	1,919	740	982	1,096	1,351	2,586
New Hampshire	325	472	517	658	1,374	1,283	863	1,147	1,214	1,513	3,074
Vermont	266	330	360	505	842	799	799	960	1,035	1,407	2,389
Massachusetts	2,804	4,359	4,956	6,381	12,981	11,895	1,252	1,554	1,672	1,827	3,243
Rhode Island	504	711	799	986	1,925	1,814	1,459	1,658	1,702	1,737	3,086
Connecticut	835	1,199	1,415	2,370	5,286	4,842	1,119	1,320	1,453	2,041	3,614
Middle Atlantic	16,213	24,554	29,478	47,901	77,663	71,358	1,277	1,589	1,763	2,374	3,352
New York	8,577	12,505	14,769	25,664	37,035	33,019	1,430	1,720	1,868	2,694	3,436
New Jersey	1,445	2,734	3,236	6,011	11,794	11,170	1,000	1,451	1,547	2,240	3,524
Pennsylvania	6,191	9,315	11,473	16,226	28,834	27,169	1,177	1,478	1,707	2,036	3,187
East North Central	15,041	19,662	23,991	39,608	68,823	65,516	1,117	1,230	1,416	2,112	3,063
Ohio	3,951	5,019	5,947	9,123	18,489	17,553	1,076	1,207	1,367	1,861	3,048
Indiana	2,095	2,607	3,106	5,359	8,830	8,337	956	1,036	1,174	1,954	2,942
Illinois	5,067	6,977	8,817	15,500	22,233	21,191	1,324	1,447	1,689	2,663	3,295
Michigan	2,095	2,654	3,282	5,298	11,405	10,890	1,001	1,096	1,297	1,828	2,899
Wisconsin	1,833	2,405	2,839	4,328	7,866	7,545	1,087	1,163	1,292	1,808	2,887
West North Central	10,214	13,785	16,830	30,610	46,019	44,080	1,149	1,332	1,546	2,567	3,588
Minnesota	1,692	2,514	3,344	5,432	8,548	8,237	1,300	1,435	1,729	2,529	3,442
Iowa	2,287	3,368	4,048	7,709	10,512	10,197	1,196	1,509	1,828	3,465	4,274
Missouri	2,398	3,244	3,760	5,728	9,982	9,612	895	1,044	1,147	1,717	2,903
North Dakota	337	542	736	2,113	2,467	2,167	1,844	1,699	1,771	3,329	3,692
South Dakota	425	553	680	1,327	2,926	2,744	1,293	1,376	1,530	2,125	4,482
Nebraska	1,276	1,626	2,009	3,721	5,320	5,128	1,205	1,525	1,882	3,049	4,004
Kansas	1,799	1,938	2,253	4,580	6,264	5,995	1,261	1,318	1,468	2,632	3,493
South Atlantic	5,133	6,679	7,937	14,589	29,169	27,262	579	640	716	1,159	2,005
Delaware	176	212	230	305	626	588	1,043	1,146	1,204	1,478	2,728
Maryland	1,085	1,317	1,512	2,236	3,991	3,742	1,041	1,109	1,213	1,894	2,665
District of Columbia	344	929	1,040	1,172	1,697	1,219	1,491	3,332	3,491	3,418	3,879
Virginia	862	1,102	1,288	2,402	4,892	4,542	521	594	666	1,140	2,050
West Virginia	439	660	840	2,428	4,678	4,446	575	688	810	1,897	3,040
North Carolina	584	682	842	1,685	4,543	4,381	361	360	420	740	1,703
South Carolina	401	485	586	1,261	2,405	2,289	348	362	414	811	1,385
Georgia	852	936	1,168	2,163	3,897	3,726	464	422	493	802	1,306
Florida	390	356	431	937	2,440	2,329	995	673	729	1,167	2,358
East South Central	3,137	3,654	4,285	7,411	12,990	12,348	488	484	536	861	1,437
Kentucky	1,172	1,365	1,528	2,277	3,582	3,401	631	636	675	981	1,459
Tennessee	888	957	1,104	1,884	4,228	3,975	502	473	520	848	1,773
Alabama	623	775	965	2,015	3,002	2,891	412	424	494	931	1,244
Mississippi	454	557	688	1,235	2,178	2,081	352	359	416	667	1,216
West South Central	3,264	4,553	5,768	13,209	19,861	18,837	691	697	796	1,422	1,857
Arkansas	455	604	804	1,722	2,600	2,520	403	461	580	1,054	1,439
Louisiana	495	815	1,032	1,990	3,417	3,237	443	590	694	1,158	1,855
Oklahoma	[3] 208	[3] 812	[3] 1,095	[4] 3,118	3,993	3,627	[3] 860	[3] 1,027	[3] 1,092	1,684	1,864
Texas	2,106	2,322	2,837	6,379	9,851	9,453	942	762	841	1,561	2,010
Mountain	2,927	3,244	3,973	6,585	12,206	10,455	2,250	1,925	2,228	2,312	3,435
Montana	453	614	746	1,133	2,223	1,990	3,429	2,523	2,633	2,792	3,691
Idaho	208	276	343	579	1,534	1,258	2,464	1,708	1,795	1,598	3,301
Wyoming	170	281	330	356	976	650	2,796	3,041	3,297	2,253	4,663
Colorado	1,146	938	1,207	2,315	3,230	2,860	2,780	1,738	2,046	2,702	3,285
New Mexico	232	268	332	495	852	737	1,507	1,374	1,587	1,388	2,299
Arizona	189	263	306	457	1,314	1,158	3,168	2,140	2,239	2,052	3,512
Utah	349	413	488	796	1,535	1,361	1,681	1,491	1,609	2,016	3,247
Nevada	180	191	221	454	542	441	3,941	4,503	5,214	5,003	6,998
Pacific	3,885	4,633	6,619	13,777	23,573	21,805	2,076	1,917	2,290	3,002	3,934
Washington	761	782	1,052	3,183	5,122	4,696	2,177	1,509	1,806	2,484	3,600
Oregon	590	633	852	2,057	3,419	3,059	1,882	1,530	1,886	2,816	4,182
California	2,534	3,218	4,115	8,537	15,032	14,050	2,097	2,167	2,582	3,312	4,007

[1] Total differs from estimate as published in 1912 because of revision of estimate for taxed real property in Oklahoma. Includes $402,000,000 value of ships belonging to the United States Navy and $290,000,000 value of privately owned water-supply systems not distributed by States. Items for geographic divisions and States differ from estimate as published in 1912 because of redistribution of railroad values in accordance with the method employed in 1922.

[2] Total includes $1,446,000,000 value of ships belonging to the United States Navy, $361,000,000 privately owned water-supply systems, and $4,278,000,000 gold and silver coin and bullion not distributed by States.

[3] Includes Indian Territory.

[4] Differs from estimate as published in 1912 because of revision of estimate for taxed real property.

Source: Bureau of the Census, Department of Commerce.

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13. BUSINESS FINANCE

No. 277.—FOREIGN EXCHANGE RATES ON CABLE TRANSFERS, NEW YORK

[Foreign Exchange Rates—Interest Rates—Insurance—Capital Issues—Stock Exchange Transactions—Commercial Failures]

Country	Monetary unit	Mint par	Yearly average rate in dollars							
			1924	1925	1926	1927	1928	1929	1930	1931
North America:		*Dollars*								
Canada	Dollar	1.0000	0.9873	0.9996	0.9999	0.9997	0.9991	0.9925	0.9984	0.9633
Cuba	Peso	1.0000	.9998	.9994	.9993	.9997	.9996	.9996	.9995	.9993
Mexico	----do [1]	.4985	.4851	.4939	.4831	.4720	.4811	.4818	.4713	[1].3549
South America:										
Argentina	Peso (gold)	.9648	.7813	.9138	.9215	.9630	.9648	.9513	.8351	.6674
Brazil	Milreis	[2].1196	.1094	.1220	.1444	.1184	.1197	.1181	.1071	.0703
Chile	Peso [3]	[3].1217	.1054	.1160	.1208	.1207	.1215	.1206	.1208	.1207
Colombia [4]	----do	.9733	.9917	.9835	.9845	.9769	.9769	.9655	.9649	.9625
Peru [4]	Sol [5]	[5].2800	4.0500	4.0210	3.7410	3.7377	3.9705	3.9998	.3562	.2807
Uruguay	Peso	1.0342	.8227	.9840	1.0147	1.0134	1.0266	.9863	.8587	.5536
Venezuela [4]	Bolivar	.1930	.1923	.1929	.1926	.1898	.1925	.1930	.1890	.1704
Europe:										
Austria	Schilling [6]	[6].1407	[6].00001	.1406	.1407	.1408	.1407	.1406	.1409	.1402
Belgium	Belga [7]	[7].1390	[7].04644	[7].04758	[7].03265	.1392	.1393	.1391	.1395	.1393
Bulgaria	Lev	[8].0072	.00728	.00732	.00721	.00724	.00721	.00722	.00721	.00716
Czechoslovakia.	Koruna [9]	[9].0296	.02954	.02966	.02962	.02962	.02963	.02961	.02964	.02962
Denmark	Krone	.2680	.1672	.2113	.2623	.2673	.2674	.2668	.2677	.2506
Finland	Markka	[10].0252	.02508	.02522	.02521	.02520	.02517	.02516	.02517	.02388
France	Franc	[11].0392	.05237	.04767	.03243	.03924	.03921	.03916	.03925	.03920
Germany	Reichsmark	.2382	[12].2380	.2380	.2380	.2376	.2386	.2381	.2385	.2363
Greece	Drachma	[13].0130	.01790	.01561	.01258	.01317	.01304	.01293	.01296	.01293
Hungary	Pengo [14]	.1749	[14].00002	[14].00001	.1756	.1747	.1744	.1744	.1749	.1745
Italy	Lira	[15].0526	.04358	.03978	.03889	.05156	.05257	.05233	.05237	.05206
Netherlands	Florin	.4020	.3821	.4016	.4010	.4011	.4022	.4016	.4023	.4023
Norway	Krone	.2680	.1394	.1788	.2233	.2605	.2669	.2668	.2676	.2505
Poland	Zloty [16]	[16].1122	[16].1923	.1774	.1118	.1129	.1121	.1119	.1121	.1120
Portugal	Escudo	[17].0442	.03385	.05040	.05125	.05029	.04468	.04471	.04494	.04244
Rumania	Leu	[18].0060	.00498	.00483	.00462	.00604	.00613	.00596	.00595	.00595
Spain	Peseta	.1930	.1334	.1434	.1490	.1706	.1659	.1468	.1167	.0955
Sweden	Krona	.2680	.2652	.2685	.2676	.2681	.2680	.2680	.2685	.2525
Switzerland	Franc	.1930	.1822	.1933	.1931	.1926	.1926	.1928	.1938	.1940
United Kingdom.	Pound	4.8665	4.4171	4.8289	4.8582	4.8610	4.8662	4.8569	4.8621	4.5350
Yugoslavia	Dinar	[19].0176	.01282	.01705	.01765	.01760	.01760	.01759	.01768	.01768
Asia:										
Hong Kong	Dollar	([20])	.5247	.5652	.5333	.4921	.5007	.4717	.3385	.2433
China	Shanghai tael	([20])	.7268	.7577	.6842	.6210	.6430	.5842	.4182	.3112
Do	Mexican dollar	([20])	.5236	.5555	.4992	.4503	.4647	.4215	.3009	.2246
Do	Yuan	([20])	.5270	.5691	.4998	.4394	.4614	.4190	.2992	.2244
India	Rupee	.3650	.3178	.3626	.3633	.3631	.3647	.3620	.3607	.3369
Japan	Yen	.4985	.4119	.4104	.4712	.4741	.4641	.4610	.4939	.4885
Malaya (British).	Straits Settlements dollar.	.5678	.5125	.5615	.5627	.5605	.5628	.5601	.5596	.5245

[1] Quotations prior to 1931 are for the gold peso. Quotation for 1931 is for the silver peso, July 30 to Dec. 31. The average for the gold peso Jan. 2 to July 29, 1931, was 47.65 cents.

[2] Parity of the milreis was established at 11.96 cents by laws of Dec. 18, 1926, and Jan. 5, 1927.

[3] Quotations prior to 1926 are for the paper peso (1913 average, 19.53 cents). Beginning 1926, the currency was reestablished on a gold basis, the peso being devaluated to 12.17 cents.

[4] Data for 1924 and 1925 compiled by the Bureau of Foreign and Domestic Commerce from publications of the individual countries.

[5] Quotations for 1924 to 1929 are for the libra, par $4.8665; quotation for 1931 is for the sol Mar. 27 to Dec. 31. Par value of sol established at 40 cents March, 1927; sol restabilized at 28 cents May, 1931.

[6] Quotation for 1924 is for the krone, par 20.26 cents.

[7] Quotations prior to 1927 are for the franc (par 19.3 cents). The belga, which is equal to 5 francs, superseded the Belgian franc Oct. 26, 1926, and was quoted at par during November and December, 1926.

[8] The lev was stabilized at 0.72 cents Nov. 22, 1928; former par value, 19.3 cents.

[9] Legal stabilization at 2.96 cents effective Nov. 27, 1929. Previous nominal par value, 20.26 cents.

[10] Pre-war par of the markka, 19.3 cents. In 1926 it was devaluated to a new gold parity of 2.52 cents.

[11] Franc reestablished on a gold basis at a new parity of 3.9179 cents June, 1928; former parity, 19.3 cents.

[12] The reischsmark superseded the mark Oct. 29, 1924; quotation is the average for Oct. 29 to Dec. 31.

[13] In May, 1928, the drachma was reestablished on a gold basis and stabilized at a new parity of 1.30 cents; former parity, 19.3 cents.

[14] Prior to 1926 quotations are for the paper krone (par 20.26 cents). On Jan. 1, 1926, this was superseded by the pengo, valued at 17.49 cents and exchangeable for 12,500 paper kronen.

[15] In December, 1927, the lira was stabilized at 5.26 cents. The former par value was 19.3 cents.

[16] The zloty (par vaule 19.3 cents) superseded the mark May 26, 1924; quotation for 1924 is the average for June to December. In October, 1927, the zloty was stabilized at 11.22 cents.

[17] Established as legal parity, July 1, 1931; former par value, 108.05 cents.

[18] In February, 1929, the leu was stabilized at 0.598 cent. The former par value was 19.3 cents.

[19] Established as legal parity, May 11, 1931; former par value, 19.3 cents.

[20] Par varies with the price of silver.

Source: Federal Reserve Board, except as noted.

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No. 278.—FOREIGN EXCHANGE RATES, NEW YORK, BY MONTHS

NOTE.—For par of exchange of monetary units and yearly average rate see Table 277

	Canada (dollar)	Mexico (peso)	Argentina (peso)	Brazil (milreis)	Chile (peso) [1]	Belgium (belga) [2]	France (franc)	German (reichsmark) [3]
1922:								
March	0.9686	0.4929	0.8278	0.1367	0.1141	0.0843	0.0900	0.0036
June	.9884	.4848	.8186	.1372	.1264	.0822	.0876	.0032
September	.9993	.4830	.8108	.1254	.1373	.0723	.0766	.00068
December	.9945	.4845	.8557	.1195	.1241	.0664	.0723	.00014
1923:								
March	.9806	.4886	.8415	.1109	.1267	.0548	.0632	.00005
June	.9766	.4837	.8047	.1043	.1340	.0540	.0630	.000010
September	.9765	.4857	.7485	.0973	.1238	.0490	.0586	[4].0188
December	.9759	.4850	.7233	.0934	.1066	.0458	.0525	[5].000227
1924:								
March	.9696	.4823	.7655	.1145	.0977	.0387	.0468	[5].000220
June	.9844	.4822	.7389	.1075	.1060	.0456	.0525	[5].000234
September	.9994	.4898	.8003	.1009	.1044	.0494	.0530	[5].000238
December	.9965	.4881	.8832	.1151	.1133	.0497	.0540	.2380
1925:								
March	.9987	.4974	.8971	.1104	.1110	.0507	.0518	.2380
June	1.0000	.4966	.9133	.1089	.1132	.0470	.0477	.2380
September	.9999	.4935	.9171	.1352	.1202	.0440	.0471	.2380
December	.9996	.4875	.9421	.1417	.1216	.0453	.0374	.2381
1926:								
March	.9963	.4856	.9033	.1449	.1208	.0423	.0358	.2380
June	1.0010	.4885	.9166	.1552	.1204	.0296	.0294	.2380
September	1.0014	.4873	.9220	.1519	.1213	.0272	.0285	.2381
December	.9993	.4667	.9328	.1185	.1204	.1391	.0395	.2380
1927:								
March	.9990	.4701	.9598	.1185	.1200	.1390	.0391	.2371
June	.9994	.4642	.9644	.1180	.1202	.1389	.0392	.2369
September	1.0005	.4772	.9712	.1186	.1207	.1392	.0392	.2380
December	.9990	.4845	.9723	.1197	.1221	.1399	.0394	.2389
1928:								
March	1.0000	.4874	.9725	.1203	.1221	.1394	.0393	.2390
June	.9976	.4783	.9694	.1199	.1220	.1396	.0393	.2390
September	1.0004	.4785	.9566	.1193	.1209	.1390	.0391	.2383
December	.9979	.4798	.9575	.1189	.1207	.1391	.0391	.2383
1929:								
March	.9940	.4805	.9556	.1182	.1206	.1388	.0391	.2372
June	.9916	.4785	.9528	.1186	.1204	.1388	.0391	.2384
September	.9924	.4843	.9534	.1186	.1206	.1390	.0391	.2381
December	.9907	.4801	.9300	.1129	.1209	.1400	.0394	.2394
1930:								
January	.9889	.4744	.9134	.1109	.1206	.1394	.0393	.2388
February	.9924	.4748	.8653	.1115	.1203	.1393	.0392	.2387
March	.9976	.4749	.8564	.1150	.1205	.1394	.0391	.2386
April	.9995	.4754	.8863	.1172	.1205	.1396	.0392	.2387
May	.9984	.4754	.8722	.1183	.1207	.1395	.0392	.2386
June	.9999	.4741	.8448	.1140	.1208	.1395	.0392	.2385
July	1.0007	.4713	.8205	.1088	.1209	.1398	.0393	.2387
August	1.0009	.4734	.8249	.0996	.1211	.1398	.0393	.2389
September	1.0012	.4737	.8178	.1009	.1214	.1395	.0393	.2382
October	1.0010	.4717	.7805	[6]	.1208	.1394	.0392	.2381
November	1.0010	.4610	.7812	[6]	.1207	.1394	.0393	.2383
December	.9990	.4555	.7555	.0961	.1210	.1396	.0393	.2384
1931:								
January	.9979	.4636	.6970	.0907	.1207	.1394	.0392	.2377
February	.9998	.4620	.7194	.0856	.1207	.1394	.0392	.2377
March	.9998	.4735	.7804	.0789	.1206	.1393	.0391	.2381
April	.9995	.4748	.7646	.0727	.1206	.1390	.0391	.2381
May	.9994	.4802	.7071	.0668	.1207	.1391	.0391	.2380
June	.9972	.4903	.7025	.0750	.1209	.1392	.0392	.2373
July	.9966	.4901	.6988	.0719	.1208	.1395	.0392	.2328
August	.9969	[7].3003	.6457	.0637	.1205	.1394	.0392	.2366
September	.9625	.3341	.5969	.0591	.1204	.1391	.0393	.2342
October	.8910	.3659	.5200	.0562	.1207	.1399	.0394	.2324
November	.8899	.3914	.5884	.0617	.1208	.1391	.0392	.2368
December	.8271	.3901	.5852	.0620	.1207	.1390	.0392	.2362

[1] See note 3, Table 275.
[2] Quotations prior to November, 1926, are for the franc. (See note 7, Table 277.)
[3] Quotations prior to December, 1924, are for paper marks, par $0.2382.
[4] Per million marks.
[5] Per billion marks.
[6] No quotations available Oct. 7 to Dec. 1.
[7] Beginning with August, 1931, quotations are for the silver peso.

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No. 278.—Foreign Exchange Rates, New York, by Months—Continued

	United Kingdom (pound)	Italy (lira)	Netherlands (florin)	Spain (peseta)	Sweden (krona)	China, (Shanghai tael)	India (rupee)	Japan (yen)	British Malaya (Straits Settlements dollar)
1922:	*Dollars*	*Dollar*	*Dollar*	*Dollar*	*Dollar*	*Dollars*	*Dollar*	*Dollar*	*Dollar*
March	4.3757	0.0511	0.3785	0.1565	0.2616	0.7075	0.2782	0.4735	0.4953
June	4.4519	.0496	.3871	.1569	.2581	.7903	.2891	.4775	.5114
September	4.4307	.0427	.3879	.1530	.2646	.7701	.2874	.4810	.5164
December	4.6098	.0503	.3984	.1564	.2695	.7104	.3065	.4885	.5301
1923:									
March	4.6957	.0486	.3949	.1547	.2660	.7553	.3157	.4846	.5481
June	4.6147	.0457	.3920	.1492	.2656	.7217	.3099	.4905	.5385
September	4.5422	.0444	.3930	.1358	.2655	.7079	.3060	.4862	.5319
December	4.3601	.0434	.3804	.1304	.2633	.7225	.3101	.4701	.5085
1924:									
March	4.2906	.0428	.3707	.1273	.2629	.7000	.2986	.4290	.5028
June	4.3199	.0433	.3744	.1346	.2654	.7137	.3049	.4108	.5019
September	4.4605	.0438	.3845	.1324	.2660	.7527	.3252	.4060	.5151
December	4.6958	.0430	.4042	.1396	.2695	.7547	.3529	.3844	.5399
1925:									
March	4.7763	.0407	.3992	.1422	.2695	.7336	.3567	.4097	.5510
June	4.8604	.0383	.4014	.1457	.2676	.7609	.3648	.4083	.5658
September	4.8465	.0406	.4021	.1439	.2682	.7847	.3663	.4075	.5659
December	4.8498	.0403	.4019	.1418	.2679	.7568	.3664	.4319	.5663
1926:									
March	4.8608	.0402	.4007	.1409	.2681	.7271	.3658	.4539	.5663
June	4.8661	.0366	.4018	.1576	.2680	.7217	.3629	.4685	.5621
September	4.8542	.0367	.4007	.1522	.2675	.6660	.3633	.4840	.5607
December	4.8512	.0444	.3999	.1524	.2672	.5897	.3605	.4894	.5594
1927:									
March	4.8540	.0451	.4001	.1741	.2675	.6050	.3630	.4914	.5596
June	4.8561	.0558	.4005	.1720	.2678	.6274	.3620	.4669	.5598
September	4.8635	.0544	.4008	.1715	.2688	.6121	.3634	.4682	.5599
December	4.8825	.0538	.4044	.1666	.2700	.6379	.3674	.4619	.5673
1928:									
March	4.8799	.0528	.4025	.1682	.2684	.6305	.3653	.4715	.5635
June	4.8803	.0526	.4033	.1657	.2683	.6623	.3646	.4661	.5614
September	4.8505	.0523	.4009	.1653	.2676	.6369	.3633	.4578	.5607
December	4.8524	.0524	.4017	.1623	.2676	.6355	.3647	.4589	.5625
1929:									
March	4.8526	.0524	.4005	.1507	.2671	.6223	.3636	.4452	.5608
June	4.8482	.0523	.4015	.1413	.2676	.5777	.3603	.4388	.5593
September	4.8482	.0523	.4009	.1476	.2678	.5604	.3603	.4727	.5599
December	4.8816	.0524	.4036	.1378	.2696	.5368	.3636	.4896	.5607
1930:									
January	4.8688	.0523	.4023	.1310	.2685	.4962	.3631	.4909	.5603
February	4.8618	.0523	.4010	.1270	.2683	.4796	.3621	.4913	.5600
March	4.8631	.0524	.4011	.1231	.2686	.4711	.3611	.4933	.5590
April	4.8631	.0524	.4020	.1248	.2688	.4690	.3612	.4937	.5587
May	4.8597	.0524	.4023	.1223	.2683	.4469	.3606	.4938	.5589
June	4.8587	.0524	.4020	.1175	.2685	.3704	.3600	.4941	.5591
July	4.8657	.0524	.4024	.1152	.2688	.3694	.3606	.4936	.5594
August	4.8707	.0524	.4029	.1088	.2689	.3854	.3604	.4939	.5595
September	4.8611	.0524	.4029	.1073	.2687	.3968	.3599	.4941	.5603
October	4.8590	.0524	.4030	.1034	.2685	.3310	.3602	.4959	.5617
November	4.8564	.0523	.4024	.1130	.2683	.3884	.3597	.4960	.5595
December	4.8566	.0524	.4027	.1075	.2683	.3570	.3593	.4962	.5593
1931:									
January	4.8547	.0524	.4023	.1040	.2676	.3184	.3593	.4944	.5593
February	4.8584	.0524	.4014	.1019	.2677	.2896	.3594	.4941	.5600
March	4.8583	.0524	.4009	.1073	.2678	.3160	.3608	.4937	.5606
April	4.8599	.0524	.4014	.1047	.2678	.3110	.3610	.4936	.5605
May	4.8640	.0524	.4018	.1000	.2681	.3025	.3614	.4938	.5603
June	4.8649	.0523	.4024	.0967	.2680	.2960	.3600	.4937	.5604
July	4.8561	.0523	.4028	.0931	.2676	.3101	.3599	.4936	.5602
August	4.8577	.0523	.4032	.0880	.2675	.2973	.3594	.4935	.5600
September	4.5313	.0517	.4027	.0898	.2609	.3066	.3391	.4934	.5356
October	3.8893	.0516	.4043	.0896	.2311	.3183	.2868	.4925	.4513
November	3.7199	.0515	.4019	.0861	.2074	.3407	.2799	.4930	.4314
December	3.3737	.0511	.4023	.0840	.1871	.3281	.2536	.4346	.3903

Source: The Federal Reserve Board.

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No. 279.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS AND ACCEPTANCES, NEW YORK

NOTE.—Rates shown are the range (low and high) for the quarter or month based on weeks ending Saturday in the case of call money and time loans, and weeks ending various days in the case of acceptances, a week falling in 2 months being included in the month having the greater number of days; thus, week ending Feb. 2 would be included in January

Year, quarter, and month	Call money	Time loans		Bankers' acceptances (90 days)
		60 to 90 days [1]	Six months	
1913				
Jan.-Mar.	2 - 6	3¼- 6	4 -6	
Apr.-June	1 - 7	3½- 5	4 -6	
July-Sept.	1½- 4½	2¾- 5	4½-6	
Oct.-Dec.	2½-10	4½- 6	4½-5¼	
1914				
Jan.-Mar.	1½-10	2½- 5	3 -5	
Apr.-June	1½- 2	2 - 3¼	2¾-3¾	
July-Sept.	1½-10	2¼-10	3¼-8	
Oct.-Dec.	2¼- 8	3½-10	3¾-7	
1915				
Jan.-Mar.	1¾- 3	2¼- 4½	3 -4	
Apr.-June	1 - 2½	2¼- 3¼	2¾-3½	
July-Sept.	1½- 2	2½- 3¼	3 -3¾	
Oct.-Dec.	1½- 2½	2¼- 3	3¾-3½	
1916				
Jan.-Mar.	1¾- 3	2½- 3¼	2¾-3½	
Apr.-June	1¾- 4	1¾- 4	3 -4	
July-Sept.	2 - 6	2½- 4	3½-5	
Oct.-Dec.	1¾-15	2¾- 4¾	3¼-4½	
1917				
Jan.-Mar.	1½- 3¼	2½- 4½	2¾-5	
Apr.-June	2 - 6	2¾- 6	4 -6	
July-Sept.	1½-10	3¾- 6	4¼-6	
Oct.-Dec.	2 - 6	5 - 6	5 -6	3¼-3⅝
1918				
Jan.-Mar.	2 - 7½	5¼- 6	5½-6	3⅞-4⅜
Apr.-June	2 - 6	5¼- 6	5⅝-6	4¼-4⅜
July-Sept.	3½- 6	5¼- 6	5⅝-6	4¼-4⅜
Oct.-Dec.	3½- 6	5 - 6	5¼-6	4¼-4⅜
1919				
Jan.-Mar.	2¾- 7	5 - 5¾	5¼-5¾	4¼-4⅝
Apr.-June	3¼-15	5¼- 6	5 -6	4¼-4⅝
July-Sept.	3 -20	5¾- 8	5¾-8	4¼-5⅜
Oct.-Dec.	2 -30	5¾- 8	5¾-8	4¼-5⅛
1920				
Jan.-Mar.	3 -25	7 -10	7 -9	5 -6⅞
Apr.-June	6 -15	8 - 9	7½-9	5⅞-6½
July-Sept.	5 -20	6 - 9	6 -9	6¼-6½
Oct.-Dec.	5 -16	6 - 8¼	6 -8½	3⅜-6⅜
1921				
Jan.-Mar.	6 - 9	6 - 7½	6 -8	5¾-6⅛
Apr.-June	5 - 8	6 - 7	6 -7¼	5¼-6
July-Sept.	3½- 6½	5 - 6¼	3¾-6¼	4¾-5½
Oct.-Dec.	4 - 6	4¾- 5½	4¾-5¾	4⅛-4¼
1922				
Jan.-Mar.	3 -6	4½- 5	4½- 5¼	3½-4⅛
Apr.-June	2¾- 5½	3½- 4½	3¼-4¾	3 -3⅝
July-Sept.	3 - 6	3¾- 4¾	3¾-5	3 -3⅝
Oct.-Dec.	3½- 6	4¾- 5	4¾-5	3½-4¼
1923				
Jan.-Mar.	3½- 6	4½- 5½	4½-5½	4 -4⅛
Apr.-June	4 - 6	4¾- 5¾	5 -5¾	4 -4⅜
July-Sept.	3½- 6	5 - 5¾	5 -5¾	4⅛-4¼
Oct.-Dec.	4 - 6	5 -5½	5 -5½	4⅛-4¼
1924				
Jan.-Mar.	2½- 5¾	4 - 5	4½-5	3⅞-4¼
Apr.-June	2 - 5½	2¾- 4¾	3¼-4¾	2 -4⅛
July-Sept.	2 - 3	2 - 3¼	3 -3½	2 -2⅜
Oct.-Dec.	2 - 5	2¼- 3¾	3 -4	2⅛-3⅛
1925				
Jan.-Mar.	2 - 5	3¼- 4¼	3¾-4½	3 -3⅜
Apr.-June	3½- 5	3¾- 4¼	3¾-4½	3⅛-3⅜
July-Sept.	3½- 6	3¾- 4½	4 -4¾	3¼-3⅝
Oct.-Dec.	4 - 6	3½- 5	3¾-5	3½-3⅝
1926				
January	4 -6	4½-5	4½-5	3⅛-3⅞
February	4 -5½	4½-5	4½-5	3¾-3⅞
March	4 -5½	4½-5	4½-5	3⅝-3⅞
April	3 -5½	4 -4⅝	4 -4⅝	3⅛-3¾
May	3 -4½	4	4 -4¼	3⅛-3½
June	3½-5	4 -4¼	4 -4½	3¼-3½
July	4 -5	4¼-4½	4¼-4¾	3⅝-3½
August	4 -5	4⅜-5	4¼-5¼	3⅝-4
September	4½-6	4⅞-5¼	5 -5¼	3⅞-4
October	4 -5½	4¾-5¼	4¾-5¼	3⅞-4
November	4¼-5	4½-4⅞	4⅝-4⅞	3¾-4
December	4½-6	4⅝-4¾	4⅝-4¾	3¾-4
1927				
January	4 -5	4½-4⅝	4½-4⅝	3⅝-3⅞
February	3¾-5	4⅜-4½	4⅜-4½	3⅝-3⅞
March	3½-4½	4⅜-4½	4⅜-4½	3⅜-3¾
April	4 -5	4⅜-4½	4⅜-4½	3⅝-3¾
May	4 -4½	4¼-4½	4⅜-4½	3⅝-3¾
June	4 -5	4⅜-4⅝	4⅜-4⅝	3⅝-3⅞
July	3½-4½	4⅛-4⅝	4⅜-4⅝	3⅛-3⅞
August	3½-4	3¾-4⅜	4⅛-4½	3⅛-3¼
September	3½-4½	3¾-4⅛	4¼-4½	3⅛-3¼
October	3½-4½	4 -4¼	4¼-4⅜	3¼-3⅝
November	3½-4½	4 -4¼	4 -4½	3¼-3⅜
December	4 -5½	4⅛-4¼	4⅛-4¼	3¼-3⅝
1928				
January	4 -5½	4⅛-4½	4⅛-4½	3¼-3⅝
February	4 -5	4⅜-4⅝	4⅜-4⅝	3½-3¾
March	4 -5	4½-4¾	4½-4¾	3½-3⅝
April	4½-6	4¾-5	4¾-5	3¾-4
May	4½-6	4⅞-5½	4⅞-5½	3⅞-4⅛
June	5½-8	5½-6	5½-6	4 -4¼
July	5 -10	5¾-6	5¾-6	4⅛-4¾
August	4½- 8	6 -6½	6 -6½	4⅝-4¾
September	6 - 9	6½-7½	6½-7½	4½-4⅝
October	6 -10	6¾-7½	6¾-7½	4½-4⅝
November	6 - 8	6¾-7	6½-7	4¼-4⅝
December	6½-12	6¾-7¾	6¾-7¾	4½-4¾
1929				
January	6 -12	7½- 7¾	7½-7¾	4½-5⅛
February	6 -10	7½- 7¾	7½-7¾	5 -5⅜
March	6 -20	7¾- 8½	7¾-8	5¼-5⅜
April	6 -16	8¼- 9	8 -9	5⅜-5⅝
May	6 -15	8¼- 9½	8 -9	5⅜-5⅝
June	6 -10	7½- 8½	7½-8½	5½-5⅝
July	6 -15	7½- 9	7½-9	5⅛-5¼
August	6 -12	8¾- 9	8¾-9	5⅛-5¼
September	6 -10	8¾- 9¼	8¾-9¼	5⅛-5¼
October	5 -10	6 - 9¼	6 -9¼	4¾-5¼
November	4½- 6	4¾- 6	4¾-6	3⅞-4¾
December	4½- 6	4½- 5	4½-5	3⅞-4⅛

[1] For the week ended Jan. 14, 1918, to the week ended May 12, 1919, time loans were for 30 to 90 days, and from the latter date to the week ended Oct. 13, 1919, time on loans not specified.

[2] Beginning August 1929, 4 to 6 months.

Source: Call money and time loans, 1913, from the financial editors, New York Times; thereafter, The Annalist; acceptance rates, Acceptance Bulletin of the American Acceptance Council.

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No. 280.—INTEREST AND ACCEPTANCE RATES: CALL MONEY, TIME LOANS, AND ACCEPTANCES, NEW YORK, WEEKLY RANGE

NOTE.—Rates shown are the range, low and high, for weeks ending on date shown in the stub

Year and week	Call money	Time loans: 60 to 90 days	Time loans: 4 to 6 months	Bankers' acceptances (90 days)
1930				
Jan. 4	5 - 6	4¾-5	4¾-5	3⅞-4
Jan. 11	4 - 5	4½-5	4½-5	3⅞-4
Jan. 18	4 - 4½	4½-4¾	4½-4¾	4 -4⅛
Jan. 25	4 - 4½	4½-4¾	4½-4¾	4 -4⅛
Feb. 1	4 - 4½	4½-4¾	4¾-5	3⅞-4
Feb. 8	4 - 4½	4½-4¾	4¾-5	3¾-3⅞
Feb. 15	4 - 4½	4½-4¾	4¾-5	3¾-3⅞
Feb. 22	4 - 4½	4½-4¾	4¾-5	3¾-3⅞
Mar. 1	4 - 4½	4½-4¾	4½-5	3¾-3⅞
Mar. 8	3½- 4	4¼-4¾	4½-4¾	3⅝-3½
Mar. 15	3 - 4	4 -4½	4 -4½	3⅛-3¼
Mar. 22	2 - 4½	3½-4	3¾-4¼	2½-2⅝
Mar. 29	3½- 4	3½-4	4 -4¼	2¾-2⅞
Apr. 5	4	3¾-4	4 -4½	2⅞-3
Apr. 12	4	4 -4¼	4¼-4½	2⅞-3
Apr. 19	3½- 4	4 -4¼	4¼-4½	3 -3⅛
Apr. 26	3½- 4	4 -4¼	4¼-4½	2⅞-3
May 3	3 - 4	4 -4¼	3¾-4¼	2⅝-2¾
May 10	3 - 3½	3½-3¾	3¾-4	2½-2⅝
May 17	3	3¼-3½	3¾-4	2⅜-2½
May 24	3	3 -3½	3½-4	2⅜-2½
May 31	3	3 -3¼	3¼-3¾	
June 7	3	3 -3¼	3¼-3½	2⅜-2½
June 14	2½- 3	2¾-3¼	3¼-3½	2½-2¾
June 21	2½- 3	2½-3	2¾-3	2½-2¾
June 28	2 - 2½	2¼-2¾	2¾-3¼	2 -2¼
July 5	2 - 3	2½-2¾	2¾-3	1⅞-2
July 12	2½- 3	2½-2¾	2¾-3¼	1⅞-2
July 19	2 - 2½	2¾-3	2¾-3½	1⅞-2
July 26	2	2½-3	3 -3¼	1⅞-2
Aug. 2	2	2¼-2¾	2¾-3¼	1⅞-2
Aug. 9	2 - 2½	2¼-2¾	2¾-3¼	1⅞-2
Aug. 16	2 - 2½	2¼-2¾	2¾-3¼	1⅞-2
Aug. 23	2 - 2½	2¼-2¾	2¾-3¼	1⅞-2
Aug. 30	2	2¼-2¾	2¾-3¼	
Sept. 6	2 - 2½	2¼-2¾	3 -3¼	1⅞-2
Sept. 13	2½	2½-2¾	2¾-3¼	1⅞-2
Sept. 20	2½- 3	2¼-2¾	2¾-3¼	1⅞-2
Sept. 27	2 - 3	2 -2½	2½-3	1⅞-2
Oct. 4	1½- 2	2 -2½	2½-2¾	1⅞-2
Oct. 11	2	2 -2½	2½-3	1⅞-2
Oct. 18	2	2 -2½	2¾-3	1⅞-2
Oct. 25	2	2 -2½	2¾-3	1⅞-2
Nov. 1	2	2 -2½	2¾-3	1⅞-2
Nov. 8	2	2 -2½	2½-3	1⅞-2
Nov. 15	2	2 -2¼	2½-2¾	1⅞-2
Nov. 22	2	2 -2¼	2½-2¾	1⅞-2
Nov. 29	2	2 -2¼	2¼-2¾	
Dec. 6	2	2 -2¼	2¼-2¾	1⅞-2
Dec. 13	2 - 2½	2 -2¼	2¼-2¾	1⅞-2
Dec. 20	2 - 2½	2 -2½	2½-3	1⅞-2
Dec. 27	2 - 2½	2¼-2½	2½-3	1⅞-2
1930				
Jan. 2	3⅞-4			
Jan. 6	3⅞-4			
Jan. 13	4 -4⅛			
Jan. 20	4 -4⅛			
Jan. 27	4 -4⅛			
Feb. 3	3⅞-4			
Feb. 10	3¾-3⅞			
Feb. 17	3¾-3⅞			
Feb. 24	3¾-3⅞			
Mar. 3	3¾-3⅞			
Mar. 10	3⅝-3½			
Mar. 17	3⅛-3¼			
Mar. 24	2½-2⅝			
Mar. 31	2¾-2⅞			
Apr. 7	2⅞-3			
Apr. 14	2⅞-3			
Apr. 21	3 -3⅛			
Apr. 28	2⅞-3			
May 5	2⅝-2¾			
May 12	2½-2⅝			
May 19	2⅜-2½			
May 26	2⅜-2½			
June 2	2⅜-2½			
June 9	2⅛-2¼			
June 16	2⅛-2¼			
June 23	2 -2¼			
June 30	1⅞-2			
July 7	1⅞-2			
July 14	1⅞-2			
July 21	1⅞-2			
July 28	1⅞-2			
Aug. 4	1⅞-2			
Aug. 11	1⅞-2			
Aug. 18	1⅞-2			
Aug. 25	1⅞-2			
Sept. 2	1⅞-2			
Sept. 8	1⅞-2			
Sept. 15	1⅞-2			
Sept. 22	1⅞-2			
Sept. 29	1⅞-2			
Oct. 6	1⅞-2			
Oct. 14	1⅞-2			
Oct. 20	1⅞-2			
Oct. 27	1⅞-2			
Nov. 3	1⅞-2			
Nov. 10	1⅞-2			
Nov. 17	1⅞-2			
Nov. 24	1⅞-2			
Dec. 1	1⅞-2			
Dec. 8	1⅞-2			
Dec. 15	1⅞-2			
Dec. 22	1⅞-2			
Dec. 28	1⅞-2			
1931				
Jan. 3	1½- 4	2¼-2½	2½-3	
Jan. 10	1½	2¼-2½	2½-3	
Jan. 17	1½	1½-2¼	2 -2¾	
Jan. 24	1½	1¼-2	1¾-2½	
Jan. 31	1½	1½-2	2¼-2½	
Feb. 7	1½	1½-2	1¾-2½	
Feb. 14	1½	1½-2	1¾-2½	
Feb. 21	1½	1½-2	1¾-2¼	
Feb. 28	1½	1½-2¼	2 -2½	
Mar. 7	1½	1½-2¼	2 -2½	
Mar. 14	1½- 2	1½-2½	2 -2¾	
Mar. 21	1 - 1½	1½-2½	2 -2¾	
Mar. 28	1½- 2	1½-2	2 -2¼	
Apr. 4	1½- 2	1½-2	2 -2½	
Apr. 11	1½- 2½	1½-2	2 -2½	
Apr. 18	1½- 2	2 -2¼	2 -2¼	
Apr. 25	1½	1½-2¼	2 -2½	
May 2	1½	1½-2¼	2 -2½	
May 9	1 - 1½	1½-2	2 -2½	
May 16	1 - 1½	1 -2	1½-2¼	
May 23	1½	1 -1¾	1¼-1⅞	
May 30	1½	1 -1¾	1¼-1¾	
June 6	1½	1 -1½	1¼-1¾	
June 13	1½	1 -1½	1¼-2	
June 20	1½	1 -1½	1¼-2	
June 27	1½	1¼-1¾	1½-2	
July 4	1½	1¼-1¾	1½-2	
July 11	1½	1¼-1¾	1½-2	
July 18	1½	1¼-1½	1½-1¾	
July 25	1½	1¼-1½	1½-2	
Aug. 1	1½	1¼-1½	1½-2	
Aug. 8	1½	1¼-1½	1½-2	
Aug. 15	1¼	1¼-1½	1½-2	
Aug. 22	1½	1¼-1¾	1½-2	
Aug. 29	1½	1¼-1¾	1½-2	
Sept. 5	1½	1¼-1½	1½-2	
Sept. 12	1½	1¼-1¾	1½-2	
Sept. 19	1½	1¼-1½	1½-2	
Sept. 26	1½	1¼-2	1½-2	
Oct. 3	1½	2 -2½	2 -2½	
Oct. 10	1½- 2	2 -3	2- 3	
Oct. 17	2 - 2½	2¾-3	2¾-3	
Oct. 24	2½	3 -4½	3½-4½	
Oct. 31	2½	3 -4	3½-4½	
Nov. 7	2½	3¼-4	3¼-4	
Nov. 14	2½	3¼-3½	3¼-3½	
Nov. 21	2½	3 -3½	3 -3½	
Nov. 28	2½	3 -3½	3 -3½	
Dec. 5	2½	3 -3½	3 -3½	
Dec. 12	2½	3 -3½		
Dec. 19	2½- 3	3 -4	3¾-4	
Dec. 26	3	3 -4	3 -4	
1931				
Jan. 2	1⅞-2			
Jan. 5	1¾-1⅞			
Jan. 12	1¾-1⅞			
Jan. 19	1⅝-1¾			
Jan. 26	1⅜-1½			
Feb. 2	1½-1⅝			
Feb. 9	1¼-1⅝			
Feb. 16	1⅜-1½			
Feb. 24	1½-1⅝			
Mar. 2	1½-1⅝			
Mar. 9	1½-1⅝			
Mar. 16	1½-1⅝			
Mar. 23	1½-1⅝			
Mar. 30	1½-1⅝			
Apr. 6	1½-1⅝			
Apr. 13	1½-1⅜			
Apr. 20	1½-1⅝			
Apr. 27	1¼-1⅜			
May 4	1¼-1⅜			
May 11	1⅛-1¼			
May 18	1 -1⅛			
May 25	⅞-1			
June 1	⅞-1			
June 8	⅞-1			
June 15	⅞-1			
June 22	⅞-1			
June 29	⅞-1			
July 6	⅞-1			
July 13	⅞-1			
July 20	⅞-1			
July 27	⅞-1			
Aug. 3	⅞-1			
Aug. 10	⅞-1			
Aug. 17	⅞-1			
Aug. 24	⅞-1			
Aug. 31	⅞-1			
Sept. 8	⅞-1			
Sept. 14	⅞-1			
Sept. 21	⅞-1			
Sept. 28	1¼-1⅜			
Oct. 5	1¼-1⅜			
Oct. 13	2¼-2⅜			
Oct. 19	3¼-3½			
Oct. 26	3¼-3½			
Nov. 2	3¼-3½			
Nov. 9	3⅛-3¼			
Nov. 16	2⅞-3			
Nov. 23	2⅞-3			
Nov. 30	3 -3⅛			
Dec. 7	3 -3⅛			
Dec. 14	3 -3⅛			
Dec. 21	3 -3⅛			
Dec. 28	3 -3⅛			

Sources: Call and time rates from The Annalist, acceptance rates from Acceptance Bulletin of the American Acceptance Council.

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No. 281.—FIRE AND MARINE INSURANCE BUSINESS: CONTINENTAL UNITED STATES AND OUTLYING TERRITORIES AND POSSESSIONS

NOTE.—Data cover transactions of both United States and foreign companies

[All figures except number of companies in thousands of dollars]

Calendar year	Stock and mutual companies								
	Number of companies	Capital	Total assets [1]	Net surplus	Net premiums	Total income	Losses	Dividends	Expenses
1890	580	86,732	322,678	108,734	143,346	157,858	75,335	12,946	49,819
1895	555	70,225	347,564	118,228	161,447	175,750	89,213	14,666	54,203
1900	493	73,151	413,027	162,658	182,131	198,313	108,307	16,029	65,861
1905	560	76,128	544,182	211,545	270,387	292,995	124,925	22,877	93,310
1910	593	94,734	572,899	206,212	263,303	291,534	123,692	34,857	94,389
1913	605	105,196	792,313	285,504	381,037	416,975	202,695	33,460	141,821
1914	596	105,670	815,747	284,523	396,550	430,873	224,640	30,957	143,339
1915	613	107,675	873,945	321,014	419,361	459,361	221,701	26,509	157,730
1916	608	118,094	965,859	345,561	493,936	535,753	244,813	39,742	172,207
1917	636	126,880	1,077,952	399,574	614,647	681,922	293,842	42,477	203,818
1918	630	131,221	1,189,795	378,216	716,980	772,740	335,921	43,506	249,261
1919	781	163,103	1,391,096	453,920	810,881	884,166	335,570	52,474	295,405
1920	789	176,906	1,569,141	464,565	995,295	1,073,625	451,470	63,815	371,479
1921	802	184,584	1,592,351	501,337	832,906	915,921	514,755	64,959	343,209
1922	754	206,367	1,627,345	550,057	851,257	939,568	477,116	73,924	337,590
1923	763	211,165	1,782,383	561,658	878,907	1,002,175	504,795	78,487	380,106
1924	801	232,408	1,913,477	629,252	970,806	1,070,748	524,302	76,652	390,128
1925	854	269,283	2,092,499	700,462	1,050,676	1,188,087	559,931	81,430	419,427
1926	860	278,498	2,248,197	733,954	1,110,895	1,228,399	581,234	92,897	447,935
1927	870	315,689	2,503,063	908,495	1,108,434	1,259,386	544,254	99,230	448,983
1928	886	385,931	2,867,832	1,124,478	1,131,956	1,371,928	531,536	107,393	469,429
1929	931	441,445	3,084,057	1,235,047	1,179,632	1,438,222	541,801	118,648	506,242
1930	904	448,151	2,834,708	1,077,819	1,071,537	1,217,705	583,461	127,077	493,342

Calendar year	Lloyd's and interinsurance companies					Total			
	Number of associations	Net premiums	Total income	Losses	Total disbursements	Net premiums	Total income	Losses	Total disbursements
1905	37	3,029	3,338	1,371	2,508	273,417	296,333	126,296	243,620
1910	31	3,831	4,111	1,644	3,744	267,134	295,645	125,336	256,681
1913	[2] 40	4,331	4,623	2,102	4,122	385,368	421,599	204,797	382,098
1914	37	9,425	9,860	3,575	7,706	405,975	440,733	228,215	406,641
1915	45	12,003	12,634	4,470	9,609	431,365	471,996	226,171	415,549
1916	[2] 54	13,076	13,746	5,653	11,247	507,012	549,499	250,466	468,008
1917	56	13,642	14,003	5,868	11,326	628,289	695,924	299,710	551,464
1918	95	[3] 20,874	[4] 21,636	[5] 10,470	[5] 18,174	737,854	794,376	346,391	646,863
1919	[2] 105	23,067	24,146	8,739	18,909	833,948	908,312	344,308	702,357
1920	[2] 137	24,946	29,164	10,403	20,481	1,020,242	1,102,789	461,873	907,245
1921	[2] 121	28,864	32,777	13,921	29,073	861,770	948,699	528,675	951,997
1922	[2] 125	30,056	32,537	13,282	29,070	881,313	972,106	490,398	917,700
1923	[2] 116	35,715	37,831	14,809	33,210	914,622	1,040,007	519,603	996,598
1924	[2] 140	46,706	50,768	21,858	44,037	1,017,512	1,121,517	546,159	1,035,119
1925	[2] 134	43,370	45,120	21,110	42,474	1,094,046	1,233,207	581,041	1,103,262
1926	[2] 121	45,366	49,085	22,274	43,141	1,156,261	1,277,485	603,507	1,165,206
1927	[2] 111	46,489	50,085	22,385	44,233	1,154,922	1,309,471	566,639	1,136,700
1928	[2] 110	51,218	58,262	22,783	47,905	1,183,174	1,430,189	554,318	1,156,264
1929	104	47,798	55,194	22,127	46,736	1,227,429	1,493,416	563,928	1,213,428
1930	[2] 92	43,863	48,938	21,529	46,594	1,115,400	1,266,643	604,990	1,250,474

[1] Exclusive of premium notes.
[2] Figures for 1913 cover the business of 30 associations; 1916, 47; 1919, 95; 1920, 101; 1921, 108; 1922, 105; 1923, 108; 1924, 133; 1925, 110; 1926, 115; 1927, 106; 1928, 108; and 1930, 90.
[3] Premiums of 84 associations.
[4] Income of 88 associations.
[5] Losses paid and total disbursements of 89 associations.

Source: Insurance Yearbook of the Spectator Co., New York City.

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No. 282.—FIRE INSURANCE: Outstanding Risks, Continental United States and Outlying Territories and Possessions, December 31

Note.—Covers transactions of members of the National Board of Fire Underwriters, both United States and foreign companies. Fire and lightning risks only beginning with 1918; in previous years marine risks are also included

[Amount covered and premiums charged in millions and tenths of millions of dollars]

Year or yearly average	Number of companies	Amount covered	Premiums charged [1]	Rate on $100	Year	Number of companies	Amount covered	Premiums charged [1]	Rate on $100
1877–1880	171	6,393.8	61.5	$0.9623	1920	169	85,970.2	846.3	$1.9844
1881–1890	152	10,992.8	113.7	1.0347	1921	175	93,715.3	916.6	.9780
1891–1900	140	18,368.0	190.5	1.0373	1922	174	96,283.3	936.4	.9726
1901–1910	156	31,923.7	354.9	1.1116	1923	184	105,927.5	1,017.0	.9601
1911–1920	181	62,275.8	629.0	1.0101	1924	197	115,683.4	1,092.0	.9449
1921–1930	208	127,872.7	1,168.8	.9140	1925	210	128,255.2	1,189.9	.9277
1915	193	58,867.1	588.7	1.0000	1926	210	137,739.9	1,257.9	.9132
1916	199	63,355.3	628.2	.9915	1927	213	144,777.2	1,305.3	.9016
1917	197	72,331.7	698.3	.9654	1928	234	149,766.3	1,333.4	.8903
1918	154	63,083.1	638.1	1.0115	1929	246	153,902.4	1,353.2	.8792
1919	159	75,163.8	769.5	.0118	1930	239	152,676.2	1,286.7	.8427

[1] Gross less reinsurance.

Source Insurance Yearbook of the Spectator Co., New York City.

No. 283.—FIRE AND LIGHTNING INSURANCE: Business Transacted by Members of the National Board of Fire Underwriters, Continental United States and Outlying Territories and Possessions

[All money figures, except average annual rate of premium, in millions and tenths of millions of dollars]

	1920	1925	1926	1927	1928	1929	1930
Number of companies, total	169	210	210	213	234	246	239
United States companies	124	165	168	173	192	204	199
Foreign companies	45	45	42	40	42	42	40
Gross insurance written	100,194.7	140,496.9	142,968.8	139,958.8	141,550.0	155,437.6	151,349.2
United States companies	71,409.1	113,406.1	114,053.3	114,026.0	116,675.8	129,417.7	127,144.5
Foreign companies	28,785.6	27,090.8	28,915.5	25,932.9	24,874.2	26,019.9	24,204.7
Gross premiums charged	963.6	1,226.0	1,233.1	1,205.6	1,180.6	1,244.8	1,164.1
Net premiums written	533.9	644.3	679.0	639.8	639.5	655.9	584.0
Net premiums earned	450.9	599.0	634.5	627.6	640.0	645.6	614.7
Net losses paid	226.0	351.1	351.6	298.7	301.3	309.7	329.4
Net losses incurred	246.1	354.1	352.9	295.7	298.3	306.0	329.7
Net expenses	219.5	281.2	301.5	288.3	296.1	306.9	304.0
Agents' compensation	121.0	161.5	172.1	163.3	163.8	168.8	156.2
Taxes	27.6	20.1	21.2	20.8	24.8	30.5	29.7
Average annual rate of premium per $100 insurance	$0.9617	$0.8726	$0.8625	$0.8600	$0.8340	$0.8008	$0.7691
Per cent of—							
Net losses incurred to net premiums earned	54.6	59.1	55.6	47.1	46.6	46.5	53.6
Net losses incurred to net premiums written	46.1	55.0	52.0	46.2	46.6	45.7	56.4
Net expenses to net premiums earned	48.7	46.9	47.5	45.9	46.3	47.5	49.4
Net expenses to net premiums written	41.1	43.6	44.4	45.1	46.3	46.8	52.0
Agents' compensation to net premiums written	22.7	25.1	25.3	25.5	25.6	25.7	26.8
Taxes to net premiums written	5.2	3.1	3.1	3.2	3.9	4.7	5.1

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 284.—FIRE LOSSES: Total and Per Capita, Continental United States

NOTE.—**Amounts, except per capita, in thousands of dollars.** Prior to 1916, figures are as compiled by the New York Journal of Commerce and include losses of $10,000 or over in the principal cities of the United States, adding 15 per cent for small and unreported losses. These figures are not comparable with those shown for later years (the 1916 Journal of Commerce figure being $214,531,000 as against $258,378,000) which cover all fires reported to the Actuarial Bureau Committee, adding 25 per cent for unreported and uninsured losses

Year	Loss	Year	Loss	Year	Loss	Year	Loss
1881	81, 281	1894	140, 006	1907	215, 085	1920	447, 887
1882	84, 505	1895	142, 110	1908	217, 886	1921	495, 406
1883	100, 149	1896	118, 737	1909	188, 705	1922	506, 541
1884	110, 009	1897	116, 355	1910	214, 003	1923	535, 373
1885	102, 819	1898	130, 594	1911	217, 005	1924	549, 062
1886	104, 925	1899	153, 598	1912	206, 439	1925	559, 418
1887	120, 283	1900	160, 930	1913	203, 764	1926	561, 981
1888	110, 886	1901	165, 818	1914	221, 439	1927	472, 934
1889	123, 047	1902	161, 078	1915	172, 033	1928	464, 607
1890	108, 994	1903	145, 302	1916	258, 378	1929	459, 446
1891	143, 765	1904	229, 198	1917	289, 535	1930	501, 980
1892	151, 516	1905	165, 222	1918	353, 879	1931	464, 633
1893	167, 544	1906	518, 612	1919	320, 540		

Year	Cities reporting actual loss				Total United States		
	Number of cities	Population (thousands)	Actual reported loss, total	Loss per capita	Population (thousands) [1]	Estimated loss	Loss per capita [1]
1922	366	40, 758	147, 096	3. 61	109, 873	506, 541	4. 61
1923	372	42, 947	147, 102	3. 42	111, 537	535, 373	4. 80
1924	366	43, 376	146, 223	3. 37	113, 202	549, 062	4. 85
1925	370	45, 297	160, 012	3. 53	114, 867	559, 418	4. 87
1926	377	53, 244	178, 179	3. 35	116, 532	561, 981	4. 82
1927	406	51, 292	144, 619	2. 82	118, 197	472, 934	4. 00
1928	445	51, 836	140, 038	2. 70	119, 862	464, 607	3. 88
1929	473	53, 411	145, 059	2. 72	121, 526	459, 446	3. 78
1930	454	50, 206	150, 981	3. 01	123, 191	501, 980	4. 07
1931	454	51, 084	125, 933	2. 47	124, 070	464, 633	3. 74

[1] Population figures are revised estimates by the Bureau of the Census. Per capita loss is based on these estimates.

Source: Committee on Statistics, National Board of Fire Underwriters, except as noted.

No. 285.—LIFE INSURANCE: Operations of All Companies of the United States, from Organization to January 1, 1931

NOTE.—Figures include domestic and foreign business of United States companies, but do not include operations of the Veterans' Bureau. (See pp. 149 to 152)

[All figures, except number of policies, in thousands of dollars]

	Total	Ordinary companies	Industrial companies
Total insurance issued since organization:			
Number of policies (thousands)	368, 867	[1] 75, 806	[2] 293, 061
Amount	232, 318, 292	[1] 177, 329, 333	[2] 54, 988, 959
Insurance in force Jan. 1, 1931.			
Number of policies (thousands)	122, 213	[1] 32, 776	[2] 89, 436
Amount	107, 948, 278	[1] 89, 660, 869	[2] 18, 287, 408
Receipts since organization, total	53, 278, 917	36, 449, 959	16, 828, 958
Premium and annuity	41, 431, 367	27, 431, 394	13, 999, 973
Interest, rents, etc	11, 847, 550	9, 018, 565	2, 828, 985
Payments to policyholders since organization, total	24, 323, 823	18, 154, 503	6, 169, 320
Death claims	10, 795, 846	7, 625, 919	3, 169, 928
Endowments and annuities [3]	3, 000, 734	2, 341, 415	659, 319
Purchased policies, surrender values	4, 803, 212	3, 700, 077	1, 103. 135
Dividends to policyholders	5, 724, 031	4, 487, 091	1, 236, 939
Admitted assets, Jan. 1, 1931	18, 879, 611	12, 028, 412	6, 851, 199
Capital, apportioned funds, and surplus, Jan. 1, 1931	1, 825, 383	1, 212, 134	613, 249

[1] Includes group business and ordinary and group business of industrial companies.
[2] Industrial business only.
[3] Includes disability and double indemnity.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 286.—LIFE INSURANCE: Summary of Financial Condition and Policy Account of All Companies of the United States

NOTE.—See headnote, Table 285

[All figures, except number of policies, in millions of dollars]

Year	Assets (admitted) Dec. 31	Liabilities,[1] Dec. 31	Total income	Payments to policyholders	Insurance written and paid for during year		Policies in force Dec. 31				
							Number (thousands)		Amount		
					Ordinary[2]	Industrial	Ordinary[2]	Industrial	Total	Ordinary[2]	Industrial
1850							29		69	69	
1860							60		180	180	
1870							839		2,263	2,263	
1880	453		81	56			686	237	1,602	1,582	21
1890	771	679	197	90	742	242	1,320	3,883	4,050	3,621	429
1900	1,742	1,493	401	169	1,280	566	3,176	11,219	8,561	7,093	1,468
1903	2,265	1,979	554	226	1,727	597	4,694	14,607	11,547	9,569	1,978
1904	2,499	2,168	599	247	1,796	613	5,508	15,674	12,548	10,412	2,136
1905	2,706	2,373	642	265	1,726	661	5,621	16,873	13,364	11,054	2,310
1906	2,924	2,557	667	287	1,451	631	5,793	17,841	13,707	11,253	2,454
1907	3,053	2,736	679	310	1,345	576	5,943	18,844	14,063	11,486	2,577
1908	3,380	2,939	704	336	1,469	594	6,165	19,688	14,519	11,850	2,669
1909	3,644	3,170	748	361	1,656	793	6,535	21,552	15,420	12,452	2,968
1910	3,876	3,386	781	387	1,822	735	6,964	23,034	16,404	13,227	3,177
1911	4,164	3,646	836	414	2,079	773	7,669	24,713	18,003	14,578	3,424
1912	4,409	3,880	893	449	2,240	842	8,159	26,696	19,265	15,556	3,709
1913	4,659	4,136	946	470	2,550	850	8,775	29,432	20,564	16,587	3,977
1914	4,935	4,365	985	509	2,457	858	9,045	31,159	21,589	17,426	4,164
1915	5,190	4,938	1,043	545	2,621	974	9,890	33,142	22,784	18,349	4,435
1916	5,537	5,253	1,118	566	3,213	999	10,698	35,675	24,679	19,868	4,811
1917	5,941	5,634	1,249	590	3,840	1,051	11,582	38,764	27,189	21,966	5,223
1918	6,475	6,202	1,325	710	3,988	1,143	12,768	41,852	29,870	24,167	5,703
1919	6,759	6,432	1,560	739	7,010	1,305	15,716	51,295	35,880	29,273	6,607
1920	7,320	6,989	1,764	745	8,490	1,615	16,695	49,805	42,281	35,092	7,190
1921	7,936	7,548	1,951	838	6,787	1,943	17,685	54,097	45,983	37,977	8,006
1922	8,652	8,124	2,149	973	7,506	2,268	18,814	58,283	50,291	41,404	8,887
1923	9,455	8,902	2,427	1,088	9,455	2,615	20,534	63,461	56,804	46,696	10,107
1924	10,394	9,799	2,703	1,174	10,152	3,043	22,092	68,248	63,780	52,436	11,344
1925	11,538	10,867	3,018	1,243	11,817	3,656	23,894	73,736	71,690	58,866	12,824
1926	12,940	12,177	3,330	1,373	12,413	4,048	25,501	77,965	79,644	65,457	14,187
1927	14,392	13,539	3,673	1,500	12,671	4,465	27,146	82,246	87,022	71,474	15,548
1928	15,961	15,043	4,088	1,699	14,168	4,505	29,151	85,844	95,206	78,521	16,686
1929	17,482	16,507	4,337	1,962	14,529	4,738	31,339	89,415	103,146	85,244	17,902
1930	18,880	17,862	4,594	2,247	14,160	4,860	32,776	89,436	107,948	89,661	18,287

[1] Not including unapportioned surplus and capital and prior to 1915 also apportioned surplus. For amount of latter item in 1915 and recent years see Table 309.
[2] Includes group business.

Source: Prior to 1890 Frederick L. Hoffman, insurance statistician, Newark, N. J.; 1890 and subsequent years, the Insurance Yearbook of the Spectator Co., New York, N. Y.

No. 287.—LIFE INSURANCE: Financial Condition and Business of All Companies of the United States

NOTE.—**All money figures in thousands of dollars.** See headnote, Table 285

	1900	1910	1915	1920	1925	1929	1930
Number of companies	76	214	238	272	308	353	352
Capital stock, Dec. 31	12,832	40,545	52,545	66,905	105,707	163,826	176,943
Income, total	**400,603**	**781,011**	**1,043,083**	**1,764,213**	**3,017,800**	**4,336,738**	**4,593,973**
Premium income, total	**324,724**	**593,388**	**784,318**	**1,384,939**	**2,383,913**	**3,350,367**	**3,524,327**
New premiums[1]	62,276	70,180	92,441	274,478	340,566	390,559	385,067
Renewed[1]	256,142	517,536	683,991	1,099,740	1,999,480	2,860,638	3,031,537
Annuities	6,306	5,672	7,886	10,721	43,867	99,170	107,723
Interest and other income, total	**75,879**	**187,623**	**258,765**	**379,274**	**633,887**	**986,371**	**1,069,646**
Interest, dividends, etc.	64,949	160,514	229,659	324,370	527,577	788,355	853,188
Rents	8,225	10,310	10,941	16,312	23,125	34,776	37,292
Other	2,706	16,799	18,165	38,592	83,185	163,240	179,166

[1] Includes disability and double indemnity receipts and payments.

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No. 287.—Life Insurance: Financial Condition and Business of All Companies of the United States—Continued

	1900	1910	1915	1920	1925	1929	1930
Expenditures, total	267,580	540,342	768,506	1,198,366	1,936,422	2,882,260	3,198,537
Paid to policyholders	168,688	387,302	544,705	744,649	1,242,974	1,961,507	2,246,776
Death losses	100,721	180,654	237,391	349,964	493,391	807,805	855,745
Matured endowments	18,335	46,349	63,383	101,181	114,473	108,763	112,027
Annuities [1]	4,122	7,426	8,860	16,897	38,531	83,782	111,124
Surrendered policies, etc	22,650	77,518	123,796	119,061	248,625	447,951	614,223
Dividends	22,860	75,354	111,275	157,547	351,150	513,205	553,658
Other expenditures	98,892	153,040	223,801	453,717	693,448	920,753	951,761
To agents, commissions, salaries, traveling expenses	61,282	87,629	115,328	257,822	399,499	499,405	497,549
Medical fees, salaries, other employee costs	13,034	26,037	34,312	61,566	99,233	127,050	134,253
Dividends to stockholders	1,028	2,140	3,293	5,308	14,500	22,260	21,917
Other	23,548	37,235	70,868	129,021	180,216	272,039	298,042
Admitted assets, Dec. 31, total	1,742,414	3,875,877	5,190,310	7,319,997	11,537,615	17,482,309	18,879,611
Real estate	158,119	172,961	173,367	172,011	265,938	463,864	547,562
Real estate mortgages	501,499	1,227,232	1,779,279	2,174,863	4,799,216	7,297,309	7,577,944
Stocks owned	794,632	129,622	81,056	51,356	81,462	356,343	465,951
Bonds owned	7,191	1,659,845	2,094,688	3,588,728	4,331,288	5,923,889	6,352,333
Collateral loans	64,489	18,941	16,729	41,301	20,416	31,605	31,008
Premium notes and loans	88,501	495,100	779,159	858,915	1,445,507	2,379,360	2,807,012
Net deferred and unpaid premiums	33,269	50,956	73,475	130,923	251,848	399,471	439,894
Cash in office and bank	75,440	71,113	114,285	124,747	124,252	146,994	152,216
Other	19,276	50,107	78,272	177,152	217,687	483,473	505,690
Asset items not admitted	12,249	25,186	31,507	77,424	119,178	[2] 56,219	[2] 73,453
Liabilities, Dec. 31, total	1,493,379	3,590,978	4,938,028	6,989,309	10,867,475	16,507,252	17,862,142
Reserve	1,443,452	3,225,966	4,398,894	6,337,970	9,926,515	14,948,162	16,231,489
Losses, etc., unpaid	9,863	17,072	29,588	43,116	64,268	112,855	134,954
Claims resisted	999	1,779	2,569	2,475	5,413	9,791	11,446
Dividends unpaid and left to accumulate	3,598	5,533	20,654	53,048	134,272	267,235	303,345
Surplus apportioned	([3])	279,614	411,887	412,339	563,793	801,063	807,862
Other	35,466	61,014	74,436	140,361	173,213	368,146	373,046
Surplus (including capital)	[3]249,035	210,440	252,283	330,688	670,140	975,056	1,017,470
Total surplus funds	249,035	490,054	664,170	743,027	1,233,933	1,767,040	1,825,383
POLICY ACCOUNT—AMOUNTS							
New business written and paid for, total	1,846,267	2,557,053	3,594,697	10,105,445	15,472,900	19,287,332	19,019,790
Ordinary [4]	1,280,265	1,822,260	2,621,014	8,489,971	10,653,128	12,957,512	12,604,029
Group					1,253,619	1,571,646	1,555,683
Industrial	566,002	734,793	973,683	1,615,474	3,656,253	4,738,174	4,860,078
In force Dec. 31, total	8,561,249	16,404,261	22,784,191	42,281,391	71,689,749	103,146,440	107,948,278
Ordinary, total [4]	7,093,220	13,227,213	18,349,285	35,091,538	54,566,797	76,122,966	79,774,841
Whole life	4,790,345	8,811,743	12,425,471	25,583,423	39,299,872	55,057,992	57,686,405
Endowment	1,664,450	3,043,689	3,656,723	6,975,433	9,636,968	13,489,394	14,319,675
Other	638,425	1,371,782	2,267,092	2,532,683	5,629,957	7,575,610	7,768,760
Group					4,299,271	9,121,448	9,886,029
Industrial	1,468,028	3,177,048	4,434,906	7,189,852	12,823,681	17,901,997	18,287,408
NUMBER OF POLICIES (thousands)							
Written during year, total	4,671	6,002	8,464	13,249	20,325	24,244	24,258
Ordinary [4]	729	993	1,495	3,924	3,897	5,311	5,384
Group					3	8	19
Industrial	3,942	5,009	6,968	9,325	16,425	18,925	18,856
In force Dec. 31, total	14,395	29,999	43,032	66,499	97,629	120,754	122,213
Ordinary [4]	3,176	6,964	9,890	16,695	23,882	31,311	32,739
Group					12	27	38
Industrial	11,219	23,034	33,142	49,805	73,736	89,415	89,436

[1] Includes disability and double indemnity receipts and payments.
[2] Does not include loading on deferred and uncollected premiums included in 1925 and earlier years.
[3] "Surplus apportioned" included in "Surplus, including capital."
[4] Includes "Group" prior to 1925.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 288.—LIFE INSURANCE: ORDINARY AND INDUSTRIAL INSURANCE WRITTEN, BY STATES

NOTE.—Totals in this table and No. 289 do not agree with totals in Tables 285 to 287 because of differences in the reports from which they are compiled as furnished by the companies to the various insurance departments, and because of duplications from reinsurance. The former also cover business transacted in continental United States only, while the latter include also foreign business of United States companies

[All figures in thousands of dollars]

Division and State	Ordinary [1]				Industrial			
	1927	1928	1929	1930	1927	1928	1929	1930
Continental United States [2]	13,931,624	15,110,340	16,752,792	16,297,094	4,239,308	4,397,666	4,685,694	4,986,758
New England	898,947	948,175	1,032,858	1,009,012	373,539	396,770	424,866	429,493
Maine	59,320	64,915	64,728	65,939	22,587	23,938	26,188	27,585
New Hampshire	37,323	43,348	39,749	44,679	16,032	16,420	18,355	18,156
Vermont	28,791	31,277	30,787	29,673	8,234	9,305	10,205	10,179
Massachusetts	486,342	499,049	547,035	540,164	212,683	224,215	241,132	240,248
Rhode Island	71,263	72,775	91,546	75,512	38,842	42,635	44,697	44,167
Connecticut	215,909	236,812	259,013	253,045	75,160	80,258	84,289	89,158
Middle Atlantic	3,973,677	4,419,214	4,746,027	4,775,200	1,345,481	1,356,580	1,394,232	1,485,408
New York	2,351,724	2,604,822	2,816,866	2,775,964	672,713	688,017	698,768	742,355
New Jersey	476,722	589,214	631,295	619,276	221,616	229,888	239,386	250,212
Pennsylvania	1,145,231	1,225,179	1,297,866	1,379,960	451,152	438,675	456,078	492,841
East North Central	3,454,253	3,851,485	4,527,339	4,205,479	907,700	931,813	1,049,755	1,178,521
Ohio	873,557	948,876	1,042,770	969,269	320,840	321,041	349,093	362,935
Indiana	361,167	446,832	457,947	467,228	146,422	145,520	167,998	261,325
Illinois	1,200,930	1,090,907	1,498,384	1,494,659	252,379	282,314	306,326	329,860
Michigan	748,108	1,065,034	1,205,071	945,842	139,176	132,511	172,382	166,406
Wisconsin	270,491	299,836	323,667	328,481	48,884	50,426	53,356	57,995
West North Central	1,428,644	1,442,819	1,666,800	1,541,593	273,647	256,405	275,009	270,749
Minnesota	261,075	275,505	313,498	316,718	30,323	31,889	32,271	34,717
Iowa	237,358	254,339	263,303	265,706	24,351	24,797	26,715	28,819
Missouri	494,672	465,777	494,454	500,895	172,204	156,004	152,949	160,732
North Dakota	47,230	50,222	43,193	36,710	8	10	8	7
South Dakota	44,228	43,840	49,270	49,652	14	10	10	7
Nebraska	154,588	167,388	157,793	175,428	12,343	12,201	13,090	14,993
Kansas	189,492	185,748	345,289	196,484	34,404	31,494	49,966	31,474
South Atlantic	1,219,214	1,199,422	1,379,000	1,344,967	612,871	690,235	769,238	755,426
Delaware	49,045	50,649	64,634	64,070	13,057	13,539	14,268	15,081
Maryland	164,109	174,313	186,651	178,649	97,141	102,459	109,169	110,403
Dist. of Columbia	85,585	111,728	101,001	117,334	37,196	38,546	41,616	44,435
Virginia	153,988	152,828	177,477	180,131	101,968	105,798	116,508	111,340
West Virginia	127,254	127,587	176,351	166,904	36,822	33,410	42,161	42,187
North Carolina	198,629	173,852	199,387	196,220	99,224	117,268	124,437	121,860
South Carolina	90,613	99,723	107,570	86,170	78,573	87,296	101,160	102,931
Georgia	210,810	188,778	248,655	241,061	110,211	119,328	137,000	127,563
Florida	139,181	119,964	117,274	114,428	38,679	72,591	82,919	79,626
East South Central	629,994	628,779	713,891	655,256	294,369	317,033	329,218	324,556
Kentucky	184,141	155,445	183,357	166,636	88,232	88,767	88,207	79,990
Tennessee	213,884	235,525	258,392	229,377	115,647	131,454	137,360	138,033
Alabama	155,228	156,728	185,244	145,776	69,786	76,376	78,267	82,200
Mississippi	76,741	81,080	86,898	113,467	20,705	20,435	25,384	24,333
West South Central	926,660	1,027,966	1,115,844	1,136,755	232,782	245,348	245,961	334,220
Arkansas	117,398	121,534	120,375	99,737	27,687	25,841	25,302	28,337
Louisiana	129,292	127,742	146,691	138,024	44,406	43,124	47,226	48,351
Oklahoma	202,429	217,744	245,135	249,187	30,437	39,068	30,118	48,004
Texas	477,541	560,945	603,643	649,807	130,252	137,315	143,315	209,528
Mountain	342,516	381,626	365,390	361,677	28,774	27,167	27,392	26,227
Montana	38,177	40,161	44,384	42,124	2,853	2,498	2,857	2,802
Idaho	31,159	44,666	38,608	37,911	1,593	1,330	1,370	1,257
Wyoming	18,475	21,316	20,741	17,567	19	21	15	191
Colorado	155,167	153,573	139,672	142,705	17,636	16,934	16,466	17,048
New Mexico	15,307	19,292	19,809	19,869	96	89	140	132
Arizona	23,424	29,134	32,050	29,091	201	320	752	966
Utah	54,067	65,117	60,870	63,470	6,360	5,956	5,779	5,817
Nevada	6,741	8,367	9,256	8,940	16	19	13	14
Pacific	1,040,893	1,203,342	1,190,953	1,260,129	170,115	176,316	170,023	180,154
Washington	180,313	254,902	205,435	208,266	21,712	26,595	21,776	21,346
Oregon	102,959	116,455	125,618	132,990	8,697	9,622	9,571	8,705
California	757,622	831,984	859,900	918,873	139,701	140,099	138,676	150,103

[1] Includes group insurance.

[2] Totals, except industrial for 1928 to 1930, include small amounts not distributed by States.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 289.—LIFE INSURANCE: Ordinary and Industrial Insurance in Force, by States

NOTE.—See headnote, Table 288

[All figures in millions and tenths of millions of dollars]

Division and State	Ordinary [1]				Industrial			
	1910	1920	1929	1930	1910	1920	1929	1930
Continental United States [2]	11,337.0	33,543.0	84,326.6	88,529.8	2,792.0	6,935.8	17,548.3	17,964.3
New England	1,026.3	2,651.2	6,129.5	6,438.4	432.4	894.5	2,051.2	2,092.1
Maine	85.8	200.5	436.2	461.6	16.5	42.4	107.9	113.3
New Hampshire	53.0	119.3	270.2	287.1	14.4	30.6	84.8	87.1
Vermont	57.6	109.9	215.7	223.8	7.0	16.5	45.3	46.5
Massachusetts	592.7	1,500.0	3,290.5	3,463.2	257.3	522.6	1,134.8	1,152.4
Rhode Island	77.2	221.3	509.1	510.3	52.6	102.3	226.5	227.8
Connecticut	160.0	500.3	1,407.8	1,492.4	84.5	180.0	451.9	465.0
Middle Atlantic	3,326.0	9,122.4	25,730.5	27,381.7	1,172.5	2,799.1	6,907.9	7,178.8
New York	1,865.2	5,196.4	15,178.5	16,142.6	705.1	1,342.6	3,570.7	3,712.3
New Jersey	350.9	1,024.9	3,068.3	3,304.0	----	517.6	1,220.9	1,276.3
Pennsylvania	1,110.0	2,901.1	7,483.7	7,935.1	467.4	938.9	2,116.3	2,190.2
East North Central	2,390.7	7,400.9	20,269.4	21,324.2	569.9	1,491.9	4,007.4	4,039.7
Ohio	681.3	2,063.2	5,301.7	5,569.2	197.1	516.1	1,250.5	1,241.2
Indiana	322.9	847.9	2,052.7	2,194.1	95.8	232.9	730.7	759.4
Illinois	917.0	2,674.7	7,366.9	7,822.1	193.7	469.5	1,188.2	1,225.5
Michigan	303.9	1,110.2	3,690.4	3,747.6	47.8	159.4	550.5	527.5
Wisconsin	165.7	705.0	1,857.7	1,991.2	35.6	103.9	287.5	286.1
West North Central	1,405.7	4,410.1	8,995.1	9,088.0	163.0	420.0	974.0	987.5
Minnesota	262.3	790.6	1,800.6	1,925.5	16.8	52.1	149.1	159.3
Iowa	299.5	922.0	1,625.0	1,723.8	----	46.9	109.2	115.4
Missouri	425.5	1,206.6	3,042.8	2,785.4	122.4	254.1	565.1	566.5
North Dakota	56.3	220.9	263.2	281.9	----	.1	.2	.2
South Dakota	67.7	236.4	299.4	313.4	----	.2	.2	.2
Nebraska	149.4	540.9	933.1	994.7	3.8	19.9	49.0	53.6
Kansas	145.1	492.8	1,031.0	1,063.3	20.0	46.6	101.2	101.8
South Atlantic	1,129.6	3,223.9	6,894.9	7,258.4	248.9	627.6	1,606.3	1,631.2
Delaware	22.0	104.4	272.2	298.8	17.2	32.1	63.1	65.6
Maryland	177.7	454.4	1,073.2	1,129.5	97.4	197.4	393.7	402.2
Dist. of Columbia	70.5	173.9	526.3	593.7	33.2	34.9	120.0	126.0
Virginia	163.7	520.1	1,031.3	1,084.2	39.3	101.1	247.5	245.0
West Virginia	94.7	298.3	740.9	778.6	15.0	51.6	114.4	114.8
North Carolina	143.9	502.9	1,089.4	1,118.5	22.2	75.7	207.0	204.8
South Carolina	127.3	363.6	509.9	511.8	----	50.6	152.8	144.2
Georgia	263.0	625.6	1,074.4	1,151.2	24.7	73.5	229.5	221.7
Florida	66.9	180.8	577.3	592.1	----	10.8	83.3	106.9
East South Central	674.5	1,607.9	3,549.2	3,610.2	109.7	291.1	664.1	637.6
Kentucky	228.3	464.6	982.9	1,026.5	63.3	129.3	249.2	242.6
Tennessee	170.6	494.6	1,159.3	1,183.4	37.5	94.5	246.8	236.6
Alabama	154.8	378.5	830.0	837.8	8.9	47.5	128.7	122.8
Mississippi	120.8	270.2	577.0	562.5	----	19.8	39.4	35.6
West South Central	479.0	2,115.5	4,794.8	5,033.5	37.3	175.5	584.7	588.8
Arkansas	89.8	293.1	530.5	533.4	2.9	18.4	53.2	49.0
Louisiana	150.2	359.3	775.5	811.5	29.8	66.3	140.3	139.7
Oklahoma	78.7	465.4	1,041.0	1,104.4	4.6	27.6	79.0	85.1
Texas	[3] 160.2	997.7	2,447.8	2,634.2	(3)	63.2	312.2	315.0
Mountain	345.5	1,062.0	1,969.2	2,071.7	5.8	49.8	121.4	126.5
Montana	54.1	183.4	269.9	283.0	1.8	7.0	13.8	14.1
Idaho	27.6	141.9	198.1	208.6	----	2.1	5.8	6.0
Wyoming	17.5	61.0	101.8	107.1	----	.2	.8	.4
Colorado	145.3	369.1	776.2	816.4	----	25.0	71.8	75.4
New Mexico	19.0	61.5	104.4	110.9	----	.1	.5	.5
Arizona	25.4	79.6	164.3	172.3	----	----	1.3	1.6
Utah	45.5	162.2	306.1	322.6	4.0	15.3	27.1	28.2
Nevada	11.0	23.3	48.4	50.8	----	.1	.3	.3
Pacific	559.7	1,929.1	5,919.2	6,193.3	52.5	196.4	630.1	670.7
Washington	125.6	453.9	1,072.8	1,141.1	8.8	37.3	92.6	96.0
Oregon	79.2	272.1	628.6	741.7	3.6	15.0	36.5	36.8
California	354.9	1,203.0	4,217.8	4,310.5	40.0	144.1	501.0	537.9

[1] Includes group insurance.
[2] Totals for 1929 and 1930 include small amounts not distributed by States.
[3] Industrial included in ordinary.

Source: Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 290.—LIFE INSURANCE, SUMMARY OF FINANCIAL CONDITION AND POLICY ACCOUNTS: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Data relate to all companies authorized to sell life insurance in New York State, which include nearly all of the important companies doing business in the United States. The figures relate to the entire business of such companies and not that in New York alone

[All figures in thousands of dollars or thousands of policies]

Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)	Calendar year	Insurance in force end of year[1] (amount)
1859	141,498	1875	1,922,043	1891	3,868,386
1860	163,703	1876	1,735,995	1892	4,208,975
1861	165,256	1877	1,556,105	1893	4,523,478
1862	183,963	1878	1,480,921	1894	4,657,583
1863	267,659	1879	1,439,961	1895	4,818,171
1864	395,703	1880	1,475,995	1896	4,967,576
1865	580,882	1881	1,540,090	1897	5,255,726
1866	865,106	1882	1,637,649	1898	5,630,053
1867	1,161,730	1883	1,763,730	1899	6,265,908
1868	1,528,985	1884	1,870,746	1900	6,947,097
1869	1,836,618	1885	2,024,103	1901	7,572,803
1870	2,023,885	1886	2,223,358	1902	8,440,713
1871	2,101,462	1887	2,475,750	1903	9,241,273
1872	2,114,743	1888	2,763,906	1904	10,028,091
1873	2,086,027	1889	3,147,006		
1874	1,997,236	1890	3,547,035		

(See last column below

Calendar year	Assets	Liabilities, exclusive of capital	Income		Disbursements		Policies in force at end of year[1]	
			Total	Premium	Total	To policyholders	Number (thousands)	Amount
1860	24,116	17,160	5,998	4,770	2,909	2,102	56	163,703
1870	269,520	221,161	105,026	90,215	63,877	44,949	748	2,023,885
1880	418,119	346,473	76,203	51,954	66,562	52,154	609	1,475,995
1890	758,314	668,228	193,247	151,945	131,289	88,462	1,276	3,547,035
1900	1,723,738	1,478,839	392,359	310,545	261,467	165,705	3,071	6,947,097
1905	2,651,317	2,289,031	619,426	484,407	397,830	257,957	5,306	10,553,840
1907	2,917,968	2,606,846	625,719	483,983	401,090	292,406	5,324	10,404,508
1908	3,228,078	2,778,054	644,573	492,677	428,536	318,595	5,468	10,623,734
1909	3,466,643	2,967,162	679,724	507,114	462,486	341,993	5,756	11,110,457
1910	3,665,197	3,164,491	703,921	527,277	488,781	364,127	6,041	11,669,700
1911	3,918,071	3,377,125	750,116	558,425	521,320	387,654	6,621	12,802,989
1912	4,136,484	3,571,929	791,914	590,614	558,736	419,478	7,002	13,527,321
1913	4,351,043	3,802,073	833,681	622,845	586,312	436,968	7,452	14,324,485
1914	4,595,977	4,010,829	865,867	647,438	630,937	477,024	7,851	14,931,151
1915	4,802,904	4,222,318	917,993	677,947	687,256	507,459	8,284	15,609,722
1916	5,099,034	4,483,753	982,831	723,767	702,479	523,978	8,887	16,784,208
1917	5,450,171	4,771,716	1,088,470	801,223	746,051	537,525	9,518	18,457,379
1918	5,907,531	5,276,419	1,146,253	860,814	851,893	642,448	10,198	20,196,274
1919	6,086,285	5,828,085	1,311,956	991,460	944,509	670,161	11,607	24,010,146
1920	6,541,653	6,284,370	1,501,901	1,172,069	1,028,202	691,183	13,200	26,840,198
1921	7,017,830	6,736,739	1,630,785	1,259,192	1,091,160	753,938	14,036	29,145,345
1922	7,592,706	7,247,435	1,816,199	1,392,670	1,297,078	907,808	14,869	31,688,501
1923	8,222,286	7,856,264	2,025,372	1,563,695	1,430,083	997,830	16,055	35,181,051
1924	9,008,862	8,674,222	2,255,490	1,747,767	1,545,802	1,071,516	17,126	41,774,448
1925	10,023,932	9,523,948	2,512,995	1,936,957	1,603,238	1,094,526	18,590	43,751,246
1926	11,234,738	10,660,244	2,789,074	2,142,291	1,762,203	1,200,856	19,826	48,248,043
1927	12,482,167	11,892,865	3,064,172	2,349,484	1,892,802	1,307,218	20,961	52,320,679
1928	13,826,535	13,164,438	3,398,704	2,650,627	2,116,047	1,484,449	22,372	56,609,303
1929	15,117,941	14,386,864	3,635,152	2,718,380	2,401,751	1,712,133	23,856	61,042,905
1930	16,296,470	15,472,827	3,847,482	2,866,931	2,668,801	1,961,779	24,993	64,134,367

[1] Industrial business and, beginning 1920, group business not included.

Source: The Insurance Yearbook, the Spectator Co., New York, N. Y.

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No. 291.—LIFE INSURANCE ISSUED AND TERMINATED: ALL COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Industrial and group insurance are not included. See also headnote, Table 290

	Number of policies (thousands)				Amount (thousands of dollars)			
	1927	1928	1929	1930	1927	1928	1929	1930
New issues [1]	2,810	3,164	3,483	3,555	8,379,677	8,754,803	9,398,670	9,052,831
Policies terminated, total	1,675	1,728	2,000	2,417	4,309,553	4,372,053	4,944,973	5,976,384
By—								
Death	148	166	185	190	397,382	458,212	520,912	567,865
Maturity	62	64	75	78	68,864	69,689	84,009	87,527
Expiry	288	330	400	486	450,578	516,283	591,974	712,077
Surrender	398	400	454	568	1,064,185	1,125,566	1,357,267	1,691,780
Lapse	772	762	882	1,090	2,052,660	1,964,303	2,154,999	2,598,621
Change and decrease	4	5	4	4	272,898	234,542	232,238	313,354
Disability	1	1	2	2	2,986	3,459	3,484	5,160

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

No. 292.—LIFE INSURANCE ISSUED AND TERMINATED BY SURRENDER, LAPSE, AND CHANGE AND DECREASE: COMPANIES REPORTING TO NEW YORK INSURANCE DEPARTMENT

NOTE.—Policies terminated by death, maturity, expiry, and disability are not included in this table Industrial business and, beginning 1920, group business not included. See also headnote, Table 290

[All figures expressed in thousands of dollars or thousands of policies]

Year	Issued [1]		Terminated by surrender, lapse, and decrease		Year	Issued [1]		Terminated by surrender, lapse, and decrease	
	Number	Amount	Number	Amount		Number	Amount	Number	Amount
1870	237	587,863	96	264,664	1902	907	1,646,013	281	515,893
1871	210	488,665	125	328,599	1903	976	1,759,682	297	522,709
1872	201	489,925	109	295,750	1904	1,101	1,884,826	349	627,914
1873	199	465,614	119	316,785	1905	1,018	1,733,102	403	701,715
1874	145	351,804	119	302,673	1906	715	1,229,809	415	756,599
1875	133	299,276	96	243,930	1907	569	997,262	314	562,028
1876	99	232,665	87	224,101	1908	592	1,090,979	327	610,084
1877	82	178,284	83	208,851	1909	695	1,284,242	306	570,631
1878	67	156,501	64	172,604	1910	747	1,362,590	296	541,408
1879	67	167,865	45	120,826	1911	812	1,577,846	323	604,383
1880	72	187,504	34	90,292	1912	898	1,702,147	365	701,476
1881	81	222,582	31	82,453	1913	1,016	1,840,578	399	732,319
1882	92	257,517	33	93,928	1914	1,013	1,808,730	433	833,691
1883	110	308,065	38	102,728	1915	1,090	1,928,289	446	859,635
1884	128	321,310	51	125,130	1916	1,257	2,362,193	405	765,096
1885	156	378,215	59	128,945	1917	1,378	2,892,880	403	729,489
1886	151	448,514	47	132,241	1918	1,335	2,965,541	401	731,160
1887	175	531,171	52	146,888	1919	2,134	5,199,839	438	797,237
1888	204	631,732	63	183,307	1920	2,420	6,068,203	561	1,110,157
1889	251	787,665	72	206,450	1921	2,012	4,902,264	881	1,983,026
1890	288	883,787	84	251,660	1922	2,038	5,518,885	877	2,032,856
1891	327	932,706	114	344,287	1923	2,352	6,694,734	827	1,884,043
1892	353	952,884	128	377,407	1924	2,383	7,233,738	908	2,193,928
1893	404	1,058,660	154	435,728	1925	2,602	7,788,047	868	2,362,401
1894	397	985,520	190	506,932	1926	2,703	8,190,636	996	2,831,274
1895	367	864,816	182	453,114	1927	2,810	8,379,677	1,175	3,389,743
1896	350	796,124	188	466,029	1928	3,164	8,754,803	1,167	3,324,410
1897	431	923,805	186	444,429	1929	3,483	9,398,670	1,339	3,744,504
1898	486	1,018,366	200	433,461	1930	3,555	9,052,831	1,662	4,603,755
1899	633	1,304,306	214	442,236					
1900	687	1,356,770	236	467,226					
1901	788	1,470,318	240	454,394					

[1] Includes all new issues, old policies revived or increased, and additions by dividends.

Source of Tables 291 and 292: The Insurance Yearbook, the Spectator Co., New York, N. Y.

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No. 293.—LIFE INSURANCE OF FRATERNAL ORDERS IN THE UNITED STATES

NOTE.—Although the number of orders reporting varies considerably, most of the larger orders report regularly, so that the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of orders as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of orders and certificates, in thousands of dollars]

Calendar year	Number of orders	Assets	Liabilities	Income	
				Total	Net received from members
1901	489	29,427	8,470	81,629	72,243
1905	570	64,492	11,415	95,675	91,355
1910	497	129,427	18,755	128,632	114,339
1915	472	212,822	28,040	133,341	122,295
1917	533	280,738	32,736	155,090	140,417
1918	506	270,059	71,966	155,878	140,372
1919	463	295,581	57,903	180,124	160,021
1920	[1] 336	326,077	55,562	181,229	165,152
1921	[1] 283	326,520	63,662	194,798	171,174
1922	[1] 245	340,086	77,956	197,663	173,239
1923	[1] 227	490,855	100,837	206,570	128,149
1924	[1] 228	565,929	110,570	216,226	186,325
1925	[1] 224	628,262	126,989	222,147	188,370
1926	[1] 249	659,876	120,193	224,336	181,664
1927	[1] 235	759,517	107,063	238,431	193,298
1928	[1] 262	824,304	196,197	244,990	197,162
1929	[1] 269	834,286	199,288	257,753	199,627
1930	[1] 255	881,576	195,645	251,127	199,174

Calendar year	Disbursements			Amount of insurance written during year	In force at end of year	
	Total	Paid for claims	To agents and for management		Amount	Number of certificates (thousands)
1901	77,343	64,128	8,850	799,627	5,656,453	4,519
1905	85,154	72,552	11,349	1,026,308	8,150,351	6,119
1910	110,168	92,280	16,897	1,331,553	9,562,512	8,558
1915	123,625	98,720	16,133	922,891	8,694,449	7,696
1917	134,938	97,398	20,712	822,042	9,129,974	7,457
1918	137,191	118,621	17,782	834,170	8,838,579	8,021
1919	172,013	141,380	24,600	1,327,958	9,531,217	10,380
1920	135,807	109,595	26,213	1,177,971	8,879,452	8,439
1921	136,604	107,925	28,679	785,131	9,159,042	8,578
1922	151,589	110,568	34,063	915,555	8,687,939	8,016
1923	151,894	109,545	32,854	795,023	8,758,555	7,514
1924	153,308	116,432	31,789	1,096,813	9,805,648	12,514
1925	160,466	121,241	36,245	1,105,881	9,769,609	8,452
1926	159,264	121,212	34,304	1,033,285	9,834,697	8,549
1927	170,740	130,398	37,163	1,025,522	9,726,662	8,342
1928	181,576	140,159	38,081	1,039,847	9,324,056	9,004
1929	200,691	154,388	35,591	983,510	9,155,358	8,975
1930	199,186	146,950	44,104	1,287,309	8,946,192	7,770

[1] See headnote.

Source: The Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 294.—MUTUAL ACCIDENT AND SICK BENEFIT ASSOCIATIONS: FINANCIAL CONDITION AND BUSINESS TRANSACTED

NOTE.—Although many small companies formerly reporting are not covered in recent years, the large companies have reported regularly, and the figures are fairly comparable from year to year. Prior to 1920 the figures for the number of companies as given below include all known to be in existence whether reporting or not; thereafter they represent only the number reporting

[All figures, except number of companies and certificates, in thousands of dollars]

Year	Number of companies	Admitted assets	Net surplus	Premiums or assessments	Income (including interest)	Paid for claims	Paid to agents, medical examiners, and for management	Total disbursements	Number of certificates written during year	Number of certificates in force at end of year
1901	102	1,617	1,490	2,957	3,201	1,643	1,753	3,348	286,183	310,092
1905	165	3,769	3,198	6,134	7,513	3,513	3,330	6,862	667,809	887,804
1910	197	5,169	3,665	9,291	10,938	5,169	4,258	10,434	946,340	1,382,415
1915	177	7,103	4,483	10,969	12,555	6,955	4,354	11,769	693,654	1,359,368
1918	161	10,250	6,815	15,235	16,742	9,654	5,661	15,796	751,522	1,688,401
1919	123	12,745	8,898	19,295	21,033	10,257	7,605	18,366	797,845	1,837,435
1920	[1] 67	13,709	9,690	19,538	22,712	10,580	8,771	19,944	713,270	1,853,328
1921	[1] 62	15,250	11,149	18,929	22,125	10,584	7,621	19,306	607,438	1,773,787
1922	[1] 82	28,577	21,657	19,429	22,490	11,684	6,532	19,035	611,703	1,739,444
1923	[1] 127	30,749	17,488	31,462	34,435	17,932	12,711	30,938	582,168	1,679,361
1924	[1] 107	47,236	34,215	41,758	44,708	23,337	10,767	38,233	731,285	2,168,901
1925	[1] 167	46,682	31,558	40,807	44,903	22,395	15,019	36,672	807,722	2,170,562
1926	[1] 173	44,244	29,579	44,901	48,720	26,408	17,978	43,424	644,782	2,036,053
1927	[1] 173	44,992	28,881	47,579	50,892	27,958	18,766	47,608	841,384	2,259,669
1928	[1] 160	41,720	25,850	44,245	48,676	27,909	20,887	45,582	641,859	1,807,292
1929	[1] 148	61,852	35,546	51,314	56,453	30,894	19,239	50,072	826,509	2,543,334
1930	156	39,551	25,901	47,036	50,542	29,185	18,086	48,338	963,011	2,483,753

[1] See headnote.

No. 295.—CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE: FINANCIAL CONDITION AND BUSINESS TRANSACTED (STOCK COMPANIES ONLY)

NOTE.—Data cover practically all stock companies doing casualty or surety business in United States

[All figures, except number of companies, in thousands of dollars]

Year	Number of companies	Capital	Assets	Net surplus over capital and liabilities	Net premiums[1]	Total income	Payments to policyholders[2]	Actual expenses of management (including taxes)	Total expenditures
1895	53	20,676	42,211	13,044	16,684	19,318	5,916	8,755	15,697
1900	57	23,572	65,808	27,059	27,186	30,348	12,755	15,419	27,504
1905	84	43,630	152,866	39,070	55,344	63,191	21,647	28,922	54,353
1910	154	65,485	309,716	78,176	94,395	111,042	41,465	57,915	100,115
1915	181	78,024	603,670	78,035	160,320	174,892	75,444	74,251	159,397
1918	179	92,239	852,466	87,990	304,614	330,696	122,745	117,792	255,912
1919	174	89,484	926,951	89,651	364,389	392,239	150,176	145,087	313,430
1920	[3] 189	93,737	1,014,386	92,861	459,170	489,774	196,360	183,514	400,724
1921	[3] 205	98,874	1,139,586	115,749	467,046	499,742	229,284	205,675	460,522
1922	[3] 189	119,890	1,304,134	144,295	444,241	498,143	221,690	201,461	464,551
1923	[3] 240	138,251	1,492,323	156,999	545,689	582,827	277,395	238,747	532,945
1924	[3] 258	150,009	1,671,188	179,679	613,941	665,395	320,883	251,950	600,568
1925	[3] 274	159,630	1,934,744	202,680	698,729	752,037	347,440	286,024	660,092
1926	[3] 289	186,265	2,173,151	225,542	764,357	827,911	387,311	312,096	729,230
1927	334	211,356	2,473,647	293,829	834,878	901,494	427,344	341,023	788,865
1928	358	253,675	2,855,115	372,061	922,112	992,696	445,709	362,830	833,435
1929	382	265,449	3,102,552	373,195	943,621	1,037,579	491,584	378,806	925,468
1930	387	266,387	3,192,848	304,313	901,651	1,003,831	534,029	378,621	966,307

[1] Total premium receipts prior to 1910.
[2] Includes all expenses in connection with payment of claims.
[3] Number of companies which show figures for the year.

Source of Tables 294 and 295: The Insurance Yearbook of the Spectator Co., New York, N. Y.

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No. 296.—STOCK CASUALTY, SURETY, AND MISCELLANEOUS INSURANCE COMPANIES: PREMIUMS AND LOSSES, BY CLASSES OF INSURANCE

NOTE.—Data cover about 80 per cent of the business of stock casualty, surety, and miscellaneous insurance companies, excluding a large number of smaller companies and those that do not transact multiple casualty lines

[All money figures in thousands of dollars]

Class	1929			1930			1931		
	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent	Premiums received	Losses paid	Ratio, per cent
Total	**751, 233**	**405, 859**	**54.0**	**721, 764**	**463, 717**	**64.2**	**679, 544**	**448, 849**	**66.1**
Accident[1]	53, 451	26, 237	49.1	46, 030	24, 801	53.9	46, 839	28, 964	61.8
Automobile (not segregated)[2]	11, 315	7, 261	64.2	8, 967	6, 951	77.5	5, 889	4, 828	82.0
Automobile collision	15, 541	9, 785	63.0	12, 514	8, 815	70.4	12, 564	8, 679	69.1
Automobile fire				451	280	62.0			
Automobile fire, theft, etc.[3]	1, 957	663	33.7	1, 360	589	43.3	1, 442	826	57.3
Automobile liability	189, 338	105, 383	55.7	189, 168	139, 971	74.0	191, 527	122, 886	64.2
Automobile property damage	64, 399	34, 336	53.3	59, 039	33, 637	57.0	58, 830	31, 249	53.1
Automobile theft				360	188	52.1			
Burglary and theft	36, 091	13, 155	36.4	34, 838	14, 661	42.0	32, 636	15, 005	46.0
Credit	5, 027	2, 537	50.5	5, 399	3, 876	71.8	4, 446	4, 271	96.1
Engine and machinery	3, 647	907	24.9	3, 390	988	29.1	2, 410	362	15.0
Fidelity	45, 284	20, 626	45.6	44, 966	24, 046	53.5	44, 045	23, 028	52.3
Health[1]	18, 053	11, 942	66.1	17, 203	11, 280	65.6	15, 594	11, 411	73.2
Liability	61, 807	27, 634	44.7	60, 883	27, 991	46.0	57, 292	27, 791	48.5
Livestock	889	628	70.7	1, 002	817	80.8	473	635	134.3
Noncancelable accident and health	5, 400	2, 690	49.8	6, 166	3, 485	56.5	6, 408	4, 533	70.7
Plate glass	13, 433	5, 617	41.8	13, 145	5, 539	42.1	11, 828	5, 079	42.9
Property damage and collision	2, 825	960	34.0	2, 524	954	37.8	2, 925	1, 208	41.3
Sprinkler and water damage	1, 149	362	31.5	1, 429	506	35.2	772	328	42.5
Steam boiler	7, 787	1, 052	13.5	7, 262	1, 139	15.7	12, 395	4, 889	39.4
Surety	57, 555	24, 006	41.7	53, 082	36, 019	67.8	46, 624	48, 317	103.6
Taxicab							381	155	40.7
Workmen's compensation	155, 850	109, 935	70.5	150, 895	116, 675	77.3	123, 390	103, 981	84.3
Other	436	143	32.8	1, 631	508	31.1	834	424	50.9

[1] Combined accident and health included with accident.

[2] Includes small amounts of automobile accident, plate glass, tornado, and other miscellaneous classes.

[3] Data for motor-vehicle fire and theft insurance of stock fire and marine companies in 1929 and 1930 are as follows: 1929, premiums received $139,074,000, losses paid $58,763,000; 1930, premiums received, $124,225,000; losses paid, $66,579,000. Data for 1931 are not available.

Source: The Spectator Co., New York, N. Y.

No. 297.—DIVIDEND AND INTEREST PAYMENTS

NOTE.—**All figures in thousands of dollars.** Data cover railroad, industrial and traction companies, banks and trust companies, the National Government, and the New York City government

Calendar year	Total dividend and interest payments	Interest payments	Dividend payments			
			Total[1]	Industrial and miscellaneous corporations	Steam railroads	Street railways
1915	1, 865, 111	1, 072, 878	792, 233	436, 487	283, 353	61, 790
1916	2, 135, 033	1, 208, 926	926, 107	539, 832	313, 135	72, 241
1917	3, 389, 136	1, 310, 866	1, 078, 270	678, 504	312, 460	77, 910
1918	2, 724, 732	1, 702, 525	1, 022, 207	645, 461	289, 625	75, 821
1919	3, 189, 184	2, 232, 243	956, 942	579, 167	284, 454	71, 719
1920	3, 414, 876	2, 432, 784	982, 092	601, 680	285, 985	72, 888
1921	3, 341, 809	2, 419, 345	922, 464	542, 402	284, 020	71, 641
1922	3, 399, 719	2, 469, 070	930, 649	524, 675	282, 100	70, 818
1923	3, 585, 217	2, 621, 966	963, 251	541, 441	289, 120	75, 750
1924	3, 840, 590	2, 827, 901	1, 012, 689	566, 170	301, 195	84, 090
1925	4, 083, 828	3, 014, 953	1, 068, 875	596, 050	315, 015	93, 335
1926	4, 391, 185	3, 218, 500	1, 172, 685	664, 375	331, 115	109, 695
1927	5, 570, 548	3, 471, 398	2, 099, 150	1, 555, 475	349, 500	124, 675
1928	6, 028, 184	3, 702, 674	2, 325, 510	1, 702, 980	391, 480	122, 150
1929	7, 588, 248	4, 109, 948	3, 478, 300	2, 601, 900	468, 400	122, 600
1930	8, 600, 052	4, 374, 405	4, 225, 656	3, 080, 100	510, 300	121, 452
1931	8, 242, 524	4, 553, 124	3, 689, 400	2, 799, 396	445, 152	102, 648

[1] Includes bank dividends not separately shown.

Source: Survey of Current Business, compiled from New York Journal of Commerce.

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No. 298.—NET PROFITS OF CORPORATIONS

NOTE.—**In millions of dollars.** Figures in parentheses indicate the number of companies. For net profits of all corporations as compiled from income-tax returns, see Table 182, p. 188

Class and number of companies	1925	1926	1927	1928	1929	1930	1931
Grand total, 500[1] companies	2,179	2,480	2,308	3,007	3,347	2,359	1,480
Industrial and mercantile (163)	861	1,036	994	1,229	1,435	861	380
Automobiles, parts, and accessories (24)	259	297	329	410	357	175	79
Steel and railroad equipment (13)	152	200	149	188	321	164	4
Oil (18)	94	120	66	99	120	60	[2]20
Food (22)	110	121	126	139	156	141	117
Metals and mining (20)	30	42	38	59	82	32	4
Machinery (15)	34	40	42	49	62	39	15
Miscellaneous (51)	182	216	244	285	337	250	181
Public utilities (166)	[3]	[3]	[3]	585	637	613	569
Telephone (103)[4]	186	212	228	253	276	270	272
Other public utilities (63)	[3]	[3]	[3]	332	361	343	297
Class I railroads (171)	1,132	1,232	1,086	1,193	1,275	885	531

[1] Totals for 1925 to 1927 cover only 437 companies (see note 3); total for 1931, 501 companies.
[2] Deficit. [3] Data for 63 other public utilities not available. [4] In 1931, 104 companies

No. 299.—CAPITAL ISSUES: SUMMARY, BY CLASSES, 1919 TO 1931

NOTE.—**In millions and tenths of millions of dollars.** Data cover domestic and foreign issues in the United States. Preferred stocks of no par value and all common stocks are taken at their offering price, other issues at par, except that in the figures for corporate issues for 1910 to 1918 all stocks are included at their market value. Corporate issues for 1910 to 1918 exclude real estate offering and privileged stock subscriptions included in figures beginning 1919, and issues of less than $100,000. State and municipal issues include bonds issued by States, Territories, and possessions, counties and municipalities, and by school and road districts and other independent governmental bodies

Year	Total issues	New capital	Refunding	Total issues, by kinds						
				Corporate				Farm-loan	State and municipal	Foreign government
				Railroads	Public utilities	Industrials[1]	Miscellaneous			
1919	4,286.2	3,588.4	697.8	208.1	462.3	1,691.6	377.7	110.0	703.2	533.3
1920	4,010.0	3,634.8	375.2	377.9	496.8	1,627.6	464.0	-------	699.5	344.3
1921	4,203.8	3,576.7	627.1	655.3	671.1	848.6	215.9	121.9	1,235.7	455.3
1922	5,235.9	4,304.4	931.5	651.5	980.4	915.8	525.5	386.4	1,143.7	632.4
1923	4,989.7	4,304.4	685.3	518.2	1,138.4	1,044.8	531.4	392.5	1,071.3	293.1
1924	6,352.5	5,593.2	759.3	940.3	1,529.6	805.7	563.0	179.1	1,407.8	927.0
1925	7,126.0	6,220.2	905.9	514.7	1,725.0	1,270.2	1,228.1	188.2	1,408.5	791.3
1926	7,430.3	6,344.1	1,086.1	422.6	1,968.0	1,610.2	1,298.8	131.3	1,375.5	623.9
1927	9,933.7	7,791.1	2,142.6	962.8	2,977.4	1,673.8	1,705.2	179.6	1,522.5	912.4
1928	9,991.8	8,114.4	1,877.5	727.7	2,562.3	1,816.9	2,710.9	63.9	1,420.9	689.2
1929	11,592.2	10,182.8	1,409.4	817.2	2,442.8	2,459.8	4,306.6	-------	1,435.7	130.1
1930	7,677.0	7,023.4	653.7	1,026.5	2,566.2	1,151.9	728.6	86.5	1,497.6	619.6
1931	4,015.8	3,108.5	907.4	516.5	1,538.9	329.6	204.0	125.6	1,250.9	50.4

CORPORATE ISSUES BY CLASS OF SECURITY (NEW CAPITAL AND REFUNDING)

Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks	Year	Total	Long-term bonds and notes	Short-term bonds and notes	Stocks
1910	1,518.3	1,113.2		405.1	1921	2,390.9	1,896.2	215.4	279.3
1911	1,739.5	1,387.4		352.0	1922	3,073.3	2,304.3	145.0	624.0
1912	2,253.6	1,349.5		904.1	1923	3,232.8	2,316.4	180.5	736.0
1913	1,645.7	1,193.9		451.9	1924	3,838.6	2,569.3	403.0	866.3
1914	1,436.5	1,174.7		261.8	1925	4,738.1	3,040.2	386.9	1,311.0
1915	1,435.4	1,110.6		324.7	1926	5,299.6	3,648.0	333.8	1,317.8
1916	2,186.5	1,405.0		781.5	1927	7,319.2	5,190.4	355.5	1,773.3
1917	1,530.0	1,075.5		454.5	1928	7,817.9	3,916.6	274.1	3,627.2
1918	1,344.8	1,047.1		297.7	1929	10,026.4	2,842.3	262.6	6,921.4
1919	2,739.7	633.7	540.2	1,565.8	1930	5,473.3	3,248.0	657.0	1,568.3
1920	2,966.3	1,234.4	660.8	1,071.1	1931	2,589.0	1,840.8	405.1	343.1

[1] Comprises the following classifications given in the original detailed statements: Iron, steel, coal, copper, etc., equipment manufactures, motors and accessories, oil, rubber, and miscellaneous industrials.

Sources: Table 298, Federal Reserve Bank of New York; Table 299, corporate issues prior to 1919 from New York Journal of Commerce, all other data from the Commercial and Financial Chronicle.

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No. 300.—CAPITAL ISSUES: Corporate, Foreign Government, Farm Loan, and State and Municipal

Note.—See headnote Table 299

[In millions and tenths of millions of dollars]

Kind of issue	1924	1925	1926	1927	1928	1929	1930	1931
TOTAL								
All issues	6,352.5	7,126.0	7,430.3	9,933.7	9,991.8	11,592.2	7,677.0	4,015.8
Corporate, total	3,838.6	4,738.1	5,299.6	7,319.2	7,817.9	10,026.4	5,473.3	2,589.0
Domestic—								
Long-term bonds and notes	2,319.5	2,667.3	3,059.1	4,466.2	3,174.1	2,369.4	2,810.3	1,628.0
Short-term bonds and notes	335.7	308.0	294.5	302.5	264.9	250.6	620.3	400.1
Preferred stocks	346.1	636.8	543.6	1,054.7	1,397.1	1,694.7	421.5	148.0
Common stocks	519.6	610.1	676.6	683.5	2,094.1	5,061.8	1,105.0	195.1
Canadian	112.4	112.3	203.4	265.4	282.1	314.1	297.1	140.0
Other foreign	205.4	403.7	522.4	546.9	605.5	335.7	219.1	77.8
Foreign government[1]	778.0	645.4	514.1	777.1	651.1	68.3	481.9	-------
Farm-loan issues	179.1	188.2	131.3	179.6	63.9	-------	86.5	125.6
State and municipal:								
Domestic	1,399.0	1,399.6	1,365.1	1,509.6	1,414.8	1,430.7	1,487.3	1,250.0
Canadian[1]	149.0	146.0	109.8	135.3	38.1	61.8	137.7	50.4
U. S. territories and possessions	8.8	8.7	10.4	12.9	6.2	5.1	10.3	.9
NEW CAPITAL								
All issues	5,593.2	6,220.2	6,344.1	7,791.1	8,114.4	10,182.8	7,023.4	3,108.5
Corporate, total	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4	1,763.4
Domestic:								
Long-term bonds and notes	1,923.8	2,231.3	2,417.7	2,962.0	2,174.8	1,873.5	2,459.7	950.7
Short-term bonds and notes	276.1	220.7	249.2	220.7	210.5	204.7	520.0	288.7
Preferred stocks	318.0	594.3	509.3	874.2	1,149.1	1,516.7	412.2	116.2
Common stocks	511.2	558.3	577.8	599.9	1,811.6	4,407.1	1,091.2	195.1
Canadian	97.8	94.5	140.9	215.6	183.3	314.1	251.2	140.0
Other foreign	195.4	401.7	462.2	518.6	550.2	323.3	210.1	72.8
Foreign government[1]	570.9	540.8	481.3	737.6	550.6	68.3	417.3	-------
Farm-loan issues	179.1	168.7	91.1	86.8	63.9	-------	86.5	74.6
State and municipal:								
Domestic	1,379.6	1,352.1	1,343.5	1,475.0	1,379.1	1,417.8	1,434.3	1,228.6
Canadian[1]	132.4	49.2	60.8	89.3	35.1	52.2	130.6	40.9
U. S. territories and possessions	8.8	8.7	10.4	11.4	6.2	5.1	10.3	.9
REFUNDING								
All issues	759.3	905.9	1,086.1	2,142.6	1,877.5	1,409.4	653.7	907.4
Corporate, total	516.3	637.4	942.6	1,928.2	1,738.3	1,386.9	528.9	825.5
Domestic:								
Long term bonds and notes	395.7	436.0	641.4	1,504.2	999.3	459.9	350.6	677.3
Short-term bonds and notes	59.6	87.3	45.3	81.8	54.4	45.9	100.2	111.4
Preferred stocks	28.1	42.5	34.3	180.5	248.0	178.0	9.4	31.9
Common stocks	8.4	51.8	98.8	83.7	282.5	654.7	13.8	-------
Canadian	14.5	17.8	62.6	49.8	98.8	-------	45.9	-------
Other foreign	10.0	2.0	60.2	28.3	55.3	12.4	9.0	5.0
Foreign government[1]	207.1	104.6	32.9	39.5	100.5	-------	64.6	-------
Farm-loan issues	-------	19.5	40.2	92.8	-------	-------	-------	51.0
State and municipal:								
Domestic	19.3	47.5	21.5	34.6	35.6	12.9	53.0	21.4
Canadian[1]	16.6	96.8	49.0	46.0	3.0	9.6	7.2	9.5
U. S. territories and possessions	-------	-------	-------	1.5	-------	-------	-------	-------
CORPORATE ISSUES, NEW CAPITAL								
Total	3,322.3	4,100.7	4,357.0	5,391.0	6,079.6	8,639.4	4,944.4	1,763.4
Railroads	779.6	380.3	346.0	505.7	364.1	546.5	797.4	345.6
Public utilities	1,325.6	1,481.0	1,597.9	2,065.3	1,811.5	1,932.0	2,365.1	948.6
Iron, steel, coal, copper, etc	197.9	133.1	193.2	100.5	208.2	274.4	200.8	107.2
Equipment manufacturers	19.0	13.8	17.8	23.8	9.1	2.4	27.0	12.9
Motors and accessories	29.5	136.1	131.4	94.7	66.3	82.1	16.2	-------
Other industrial and manufacturing	261.4	501.4	526.9	705.4	852.5	1,177.2	519.7	136.6
Oil	167.1	168.4	262.7	317.3	193.7	270.9	263.5	15.1
Land, buildings, etc	333.4	715.5	709.5	630.4	716.3	520.4	244.5	129.0
Rubber	2.0	64.8	43.2	12.7	55.9	90.0	33.9	-------
Shipping	13.8	30.1	21.5	26.3	21.2	31.3	10.0	1.7
Inv. trusts, trading, holding, etc	192.9	15.1	71.1	174.9	786.7	2,222.2	232.7	4.1
Miscellaneous		411.2	435.9	734.0	994.2	1,489.9	233.5	62.6

[1] Canadian Government issues are included with Canadian under "State and municipal."

Source: Commercial and Financial Chronicle.

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No. 301.—BROKERS' LOANS OUTSTANDING EACH MONTH, 1926 TO 1931

NOTE.—In millions of dollars. Figures cover net loans obtained by New York Stock Exchange members on collateral contracted for and carried in New York

End of—	Total						Demand loans			Time loans		
	1926	1927	1928	1929	1930	1931	1929	1930	1931	1929	1930	1931
January	3,513	3,139	4,420	6,735	3,985	1,720	5,983	3,528	1,366	752	457	355
February	3,536	3,256	4,323	6,679	4,168	1,840	5,948	3,711	1,505	730	457	335
March	3,000	3,200	4,640	6,804	4,656	1,909	6,210	4,052	1,630	594	604	279
April	2,836	3,341	4,908	6,775	5,063	1,651	6,204	4,363	1,389	571	700	262
May	1,767	3,458	5,274	6,665	4,748	1,435	6,100	3,967	1,174	565	781	261
June	2,926	3,569	4,898	7,071	3,728	1,391	6,444	2,980	1,102	627	747	289
July	2,998	3,642	4,837	7,474	3,689	1,344	6,870	3,021	1,041	604	668	303
August	3,142	3,674	5,051	7,882	3,599	1,354	7,162	2,913	1,069	720	686	285
September	3,219	3,915	5,514	8,549	3,481	1,044	7,832	2,830	802	717	651	242
October	3,111	3,946	5,880	6,109	2,556	796	5,238	1,981	616	871	569	181
November	3,129	4,092	6,392	4,017	2,162	730	3,297	1,691	600	719	471	130
December	3,233	4,433	6,440	3,990	1,894	587	3,376	1,519	502	613	374	85

Source: Federal Reserve Board.

No. 302.—NEW YORK STOCK EXCHANGE TRANSACTIONS

Item	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Stocks (millions of shares)	173	259	236	282	454	451	577	920	1,125	810	577
Bonds, par value (millions of dollars):											
Railway and miscellaneous	1,043	1,905	1,568	2,345	2,332	2,004	2,142	1,967	2,182	1,927	1,846
United States Government	1,957	1,873	796	877	391	262	290	188	142	116	908
State, municipal, and foreign	324	592	425	582	661	721	837	749	658	721	296

Source: Commercial and Financial Chronicle.

No. 303.—MOVEMENTS OF AVERAGE PRICES OF STOCKS AND BONDS ON THE NEW YORK STOCK EXCHANGE, BY YEARS

Year	Stocks (dollars per share)						Price index, 40 bonds (per cent of par) [1]	Bond yields municipal bonds (per cent) [2]
	25 industrials			25 railroads				
	High	Low	Average closing [1]	High	Low	Average closing [1]		
1913	67.08	50.27	58.19	91.41	75.92	82.97	----------	4.45
1914	61.68	48.48	58.08	84.94	66.35	77.57	----------	4.16
1915	109.97	51.85	75.35	82.84	64.40	73.16	76.76	4.23
1916	119.30	86.60	99.14	85.70	74.83	80.05	80.49	4.06
1917	99.74	62.81	85.44	81.22	52.06	69.12	75.58	4.31
1918	91.55	71.31	80.98	70.75	56.95	61.34	69.84	4.58
1919	138.12	80.37	105.77	68.78	54.48	62.06	69.07	4.50
1920	129.83	76.55	107.21	63.55	48.86	55.94	59.70	5.04
1921	90.60	66.24	79.38	63.00	47.59	53.21	60.15	5.02
1922	116.24	79.86	98.58	70.53	52.57	62.38	74.11	4.21
1923	118.41	99.05	107.78	67.05	54.61	60.15	71.72	4.27
1924	135.11	103.26	115.08	81.41	57.80	67.18	74.32	4.21
1925	185.36	128.83	152.65	95.29	73.50	82.48	77.04	4.13
1926	186.03	137.65	165.70	102.60	81.61	93.27	80.28	4.13
1927	247.48	171.49	214.54	124.22	99.34	113.81	83.69	3.99
1928	332.58	233.42	268.92	132.80	112.84	122.06	84.06	4.06
1929	469.49	220.95	366.29	158.71	107.92	135.87	79.21	4.32
1930	358.16	196.67	285.66	136.00	74.20	113.51	81.25	4.12
1931	251.22	110.73	187.15	94.93	24.49	63.01	74.95	4.07

[1] Average of Saturday closing prices for these stocks.
[2] Computed from the yields on the average prices of the selected bonds for each day of the month, the average yield being capitalized at 4 per cent to give the combined index.
[3] Average market yield of bonds of 20 large cities at the end of each month since Jan. 31, 1917; previous figures are for the first of the month.

Sources: Stock prices, The Annalist; bond price index, Dow, Jones & Co.; bond yields, the Bond Buyer.

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No. 304.—COMMERCIAL FAILURES: NUMBER AND ASSETS AND LIABILITIES

Calendar year	Number of failures	Aggregate liabilities	Average liability	Calendar year	Total number of concerns in business	Number of failures	Aggregate assets	Aggregate liabilities	Average liability
		1,000 dollars	*Dollars*				*1,000 dollars*	*1,000 dollars*	*Dollars*
1858	4,225	95,749	22,662	1895	1,209,282	13,197	21,022	173,196	13,124
1859	3,913	64,394	16,456	1896	1,151,579	15,088	56,082	226,096	14,985
1860	3,676	79,807	21,710	1897	1,058,521	13,351	85,014	154,332	11,559
1861	6,993	207,210	29,631	1898	1,105,830	12,186	52,577	130,663	10,722
1862	1,652	23,049	13,952	1899	1,147,595	9,337	50,221	90,880	9,733
1863	495	7,899	15,958	1900	1,174,300	10,774	78,080	138,496	12,854
1864	520	8,579	16,498						
1865	530	17,625	33,255	1901	1,219,242	11,002	55,456	113,092	10,279
				1902	1,253,172	11,615	58,730	117,477	10,137
1866	1,505	53,783	35,736	1903	1,281,481	12,069	90,014	155,444	12,879
1867	2,780	96,666	34,772	1904	1,320,172	12,199	84,438	144,202	11,820
1868	2,608	63,694	24,423	1905	1,357,455	11,520	57,826	102,676	8,913
1869	2,799	75,054	26,815						
1870	3,546	88,242	24,885	1906	1,392,949	10,682	66,610	119,202	11,159
				1907	1,418,075	11,725	138,536	197,385	16,834
1871	2,915	85,252	29,246	1908	1,447,554	15,690	146,199	222,316	14,169
1872	4,069	121,056	29,751	1909	1,486,389	12,924	102,773	154,603	11,963
1873	5,183	228,499	44,086	1910	1,515,143	12,652	136,538	201,757	15,947
1874	5,830	155,239	26,628						
1875	7,740	201,060	25,977	1911	1,525,024	13,441	124,517	191,062	14,215
				1912	1,564,279	15,452	126,287	203,117	13,145
1876	9,092	191,118	21,020	1913	1,616,517	16,037	174,688	272,672	17,003
1877	8,872	190,670	21,491	1914	1,655,496	18,280	265,293	357,909	19,579
1878	10,478	234,383	22,369	1915	1,674,788	22,156	183,454	302,286	13,644
1879	1,658	98,149	14,741						
1880	4,735	95,352	13,886	1916	1,707,639	16,993	113,599	196,212	11,547
				1917	1,733,225	13,855	103,465	182,441	13,168
1881	5,582	81,156	14,530	1918	1,708,061	9,982	101,638	163,020	16,331
1882	6,738	101,548	15,070	1919	1,710,909	6,451	67,038	113,291	17,561
1883	9,184	172,874	18,823	1920	1,821,409	8,881	195,504	295,122	33,230
1884	10,968	226,343	20,632						
1885	10,637	134,220	11,678	1921	1,927,304	19,652	409,038	627,402	31,926
				1922	1,983,106	23,676	413,358	623,896	26,351
1886	9,834	114,644	11,651	1923	1,996,004	18,718	388,382	539,387	28,816
1887	9,634	167,561	17,391	1924	2,047,302	20,615	337,945	543,225	26,351
1888	10,679	123,830	12,559	1925	2,113,312	21,214	248,067	443,744	20,918
1889	10,882	148,784	13,692						
1890	10,907	189,857	17,406	1926	2,158,457	21,773	202,345	409,232	18,795
				1927	2,171,688	23,146	256,740	520,104	22,471
1891	12,273	189,869	15,471	1928	2,199,049	23,842	255,478	489,560	20,533
1892	10,344	114,044	11,025	1929	2,212,779	22,909	226,028	483,250	21,094
1893	15,242	346,780	22,751	1930	2,183,008	26,355	442,800	668,284	25,357
1894	13,885	172,993	12,458	1931	2,125,288	28,285	434,939	736,309	26,032

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of failures:												
1921	1,895	1,641	1,336	1,487	1,356	1,320	1,444	1,562	1,466	1,713	1,988	2,444
1922	2,723	2,331	2,463	2,167	1,960	1,740	1,753	1,714	1,566	1,708	1,737	1,814
1923	2,126	1,508	1,682	1,520	1,530	1,358	1,231	1,319	1,226	1,673	1,704	1,841
1924	2,108	1,730	1,817	1,707	1,816	1,607	1,615	1,520	1,306	1,696	1,653	2,040
1925	2,317	1,793	1,859	1,939	1,767	1,745	1,685	1,513	1,465	1,581	1,672	1,878
1926	2,296	1,801	1,984	1,957	1,730	1,708	1,605	1,593	1,437	1,763	1,830	2,069
1927	2,465	2,035	2,143	1,968	1,852	1,833	1,756	1,708	1,573	1,787	1,864	2,162
1928	2,643	2,176	2,236	1,818	2,008	1,947	1,723	1,852	1,635	2,023	1,838	1,943
1929	2,535	1,965	1,987	2,021	1,897	1,767	1,752	1,762	1,568	1,822	1,796	2,037
1930	2,759	2,262	2,347	2,198	2,179	2,026	2,028	1,913	1,963	2,124	2,031	2,525
1931	3,316	2,563	2,604	2,383	2,248	1,993	1,983	1,944	1,936	2,362	2,195	2,758
Liabilities (1,000 dollars):												
1921	52,137	60,852	67,409	38,568	57,066	34,639	42,774	42,904	37,021	53,059	53,470	87,502
1922	73,796	72,608	71,608	73,059	44,403	38,242	40,010	40,280	36,908	34,647	40,265	58,069
1923	49,210	40,628	48,393	51,492	41,022	28,678	35,721	34,335	28,699	79,302	50,292	51,615
1924	51,273	35,942	97,651	48,904	36,591	34,099	36,813	55,154	34,296	36,099	31,124	45,279
1925	54,354	40,123	34,005	37,189	37,027	36,701	34,505	37,159	30,687	29,544	35,922	36,528
1926	43,651	34,176	30,623	38,487	33,543	29,408	29,680	28,130	29,990	33,231	32,694	45,620
1927	51,290	46,941	57,891	53,156	37,785	34,465	43,150	39,196	32,786	36,236	36,147	51,062
1928	47,634	45,071	54,814	37,985	36,117	29,827	29,587	58,202	33,957	34,990	40,601	40,774
1929	53,877	34,036	36,356	35,270	41,216	31,375	32,426	33,746	34,125	31,314	52,046	67,465
1930	61,185	51,326	56,846	49,059	55,541	63,131	39,826	49,181	46,947	56,297	55,261	83,683
1931	94,608	59,608	60,387	50,868	53,371	51,656	60,998	53,025	47,256	70,660	60,660	73,213

Source: Dun's Review, New York, N. Y.

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No. 305.—COMMERCIAL FAILURES: By States, 1931

[Assets and liabilities in thousands of dollars]

Division and State	Number of concerns in business	Failures								
		Total			Manufacturing		Trading		Agents, brokers, etc.	
		Number	Assets	Liabilities	Number	Liabilities	Number	Liabilities	Number	Liabilities
United States	2,125,288	28,285	434,939	736,309	6,412	283,453	20,170	355,358	1,703	97,499
New England	155,982	2,688	49,443	83,414	813	47,952	1,635	22,247	240	18,215
Maine	16,906	193	1,812	3,235	42	1,050	131	1,855	20	330
New Hampshire	10,353	68	873	1,217	14	534	52	675	2	9
Vermont	7,376	47	260	564	14	195	29	305	4	65
Massachusetts	78,785	1,398	22,003	38,656	491	15,064	753	12,209	154	11,382
Rhode Island	12,837	254	2,981	4,553	81	3,637	161	847	12	69
Connecticut	29,725	728	21,514	35,190	171	27,473	509	6,356	48	1,361
Middle Atlantic	545,978	7,947	127,201	215,083	2,176	77,085	5,245	109,156	526	28,842
New York	289,437	4,706	62,242	111,618	1,281	35,124	3,134	59,895	291	16,599
New Jersey	86,712	1,392	23,778	34,281	439	15,103	824	13,313	129	5,865
Pennsylvania	169,829	1,849	41,181	69,184	456	26,858	1,287	35,948	106	6,378
East North Central	461,277	5,928	128,205	190,586	1,448	86,711	4,156	81,504	324	22,872
Ohio	116,964	1,745	41,408	57,317	407	25,331	1,245	26,009	93	5,976
Indiana	57,273	645	16,881	25,649	145	14,247	462	9,805	38	1,597
Illinois	145,307	1,906	45,792	66,410	524	30,950	1,300	26,278	82	9,183
Michigan	80,370	992	16,023	24,820	196	9,873	723	11,287	73	3,660
Wisconsin	61,363	640	8,101	16,389	176	6,310	426	8,124	38	1,955
West North Central	245,035	2,091	27,690	52,872	355	12,377	1,607	30,162	129	10,333
Minnesota	43,408	327	3,998	7,060	81	2,782	225	3,794	21	484
Iowa	47,074	297	5,201	10,878	43	2,994	243	3,674	11	4,210
Missouri	69,632	799	14,639	25,613	158	5,235	579	16,721	62	3,656
North Dakota	11,365	93	651	1,618	10	266	82	1,340	1	13
South Dakota	11,925	54	225	512	5	51	47	438	2	24
Nebraska	26,934	240	1,186	2,538	35	505	187	1,723	18	310
Kansas	34,697	281	1,789	4,652	23	544	244	2,472	14	1,636
South Atlantic	202,566	2,300	29,980	51,761	372	16,552	1,814	31,579	114	3,630
Delaware	5,178	47	618	1,209	8	664	38	536	1	9
Maryland	31,129	416	5,912	10,210	120	2,306	259	5,848	37	2,056
Dist. of Columbia	10,542	94	877	1,675	24	383	62	1,153	8	139
Virginia	30,995	406	3,994	7,006	72	2,509	319	4,139	15	358
West Virginia	24,383	221	2,616	4,381	40	1,610	170	2,553	11	218
North Carolina	32,970	406	5,706	9,964	40	3,121	352	6,466	14	377
South Carolina	14,576	102	2,054	3,490	7	1,739	82	1,557	13	194
Georgia	28,576	372	5,389	9,666	44	3,964	323	5,637	5	66
Florida	24,207	236	2,813	4,159	17	256	209	3,689	10	213
East South Central	109,076	1,513	12,408	26,103	175	6,003	1,300	9,207	38	893
Kentucky	34,373	266	2,285	4,588	46	1,565	205	2,758	14	266
Tennessee	30,371	353	4,310	8,071	57	2,426	280	5,131	16	514
Alabama	24,836	476	2,912	7,777	49	1,542	421	6,155	6	80
Mississippi	19,496	418	2,901	5,667	23	471	393	5,163	2	33
West South Central	175,927	1,984	18,938	37,154	180	4,528	1,764	30,942	40	1,685
Arkansas	22,248	366	3,988	8,399	36	1,436	321	6,231	9	733
Louisiana	25,450	171	1,690	3,204	16	269	150	2,880	5	55
Oklahoma	38,116	613	4,808	9,880	47	1,593	556	8,067	10	220
Texas	90,113	834	8,452	15,671	81	1,230	737	13,764	16	677
Mountain	59,261	764	6,725	14,747	74	4,764	651	8,258	39	1,724
Montana	9,488	130	592	1,377	17	265	105	1,053	8	59
Idaho	7,287	89	377	953	5	37	79	722	5	194
Wyoming	3,787	46	162	430	4	41	36	285	6	105
Colorado	18,695	182	1,989	3,693	17	1,871	160	1,798	5	24
New Mexico	5,656	78	1,720	3,672	6	2,305	65	644	7	723
Arizona	5,768	79	925	2,193	5	94	68	1,785	6	314
Utah	6,855	149	871	2,212	20	151	127	1,755	2	305
Nevada	1,725	11	88	216	-------	-------	11	216	-------	-------
Pacific	170,196	3,070	34,349	64,590	819	27,481	1,993	22,303	253	14,806
Washington	33,734	646	9,012	17,555	171	5,580	425	5,241	50	6,734
Oregon	21,613	396	4,785	10,361	89	6,038	277	3,453	30	870
California	114,849	2,028	20,552	36,674	559	15,863	1,296	13,608	173	7,202

Source: Dun's Review, New York, N. Y.

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No. 306.—FAILURES, BY BRANCHES OF BUSINESS

NOTE.—Machinery, vehicles, etc., includes shipbuilding; lumber includes furniture; clothing includes furnishings; chemicals include chemical fertilizers; glass, etc., includes pottery, lime, cement, and stone. In the trading group, groceries include creameries; hotels include lodging houses and caterers; dry goods includes department stores; furniture includes glass and glassware. Agents, brokers, etc., include real estate, insurance, storage, express, harbor lines, etc.

	Number				Aggregate liabilities (in thousands of dollars)				Average liability, 1931 (dollars)
	1928	1929	1930	1931	1928	1929	1930	1931	
Total commercial	23,842	22,909	26,355	28,285	489,560	483,250	668,284	736,309	26,032
Total manufacturing	5,924	6,007	6,278	6,412	182,478	186,734	238,639	283,453	44,207
Iron, foundries, and nails	119	148	103	181	5,183	6,232	2,970	19,826	109,536
Machinery, vehicles, etc.	325	295	330	409	11,567	11,600	18,836	52,003	127,147
Woolens, carpets, and knit goods	28	20	30	54	3,291	544	2,047	5,516	102,148
Cottons, lace, and hosiery	15	16	26	11	1,847	2,152	4,620	4,807	437,000
Lumber, carpenters, and coopers	969	1,135	1,041	751	50,782	53,631	55,230	44,656	59,462
Clothing and millinery	557	500	579	707	10,337	7,988	16,392	14,625	20,686
Hats, gloves, and furs	193	183	215	215	3,201	3,072	5,426	5,221	24,284
Chemicals and drugs	85	102	94	102	3,655	1,290	3,237	4,425	43,382
Paints and oils	13	21	20	26	273	336	1,153	2,592	99,692
Printing and engraving	172	174	212	260	3,605	2,571	7,178	9,471	36,427
Milling and bakers	494	462	449	493	7,009	5,607	6,266	7,848	15,919
Leather, shoes, and harness	155	151	150	203	6,543	2,747	7,451	5,864	28,887
Tobacco, etc	75	76	73	100	980	2,359	1,542	2,208	22,080
Glass, earthenware, and brick	94	102	115	106	2,625	6,825	7,659	10,539	99,425
All other	2,630	2,622	2,841	2,794	71,582	79,779	98,633	93,853	33,591
Total trading	16,477	15,417	18,383	20,170	225,301	224,731	272,930	355,358	17,618
General stores	1,042	1,017	1,197	1,408	13,388	13,289	15,966	24,700	17,543
Groceries, meat, and fish	3,785	3,497	3,309	3,719	30,504	30,150	31,925	44,346	11,924
Hotels and restaurants	1,105	1,172	1,132	1,159	24,362	20,499	20,882	44,001	37,965
Tobacco, etc	263	223	272	295	1,877	2,303	2,543	3,152	10,685
Clothing and furnishings	2,324	1,983	2,819	3,055	27,892	25,955	35,292	47,165	15,439
Dry goods and carpets	1,121	980	1,267	1,441	17,770	15,943	25,986	26,054	18,080
Shoes, rubbers, and trunks	681	542	724	858	7,064	6,326	7,325	12,926	15,065
Furniture and crockery	667	659	866	937	12,202	14,950	18,195	25,431	27,141
Hardware, stoves, and tools	507	542	643	763	8,337	8,596	9,531	11,647	15,265
Chemicals and drugs	729	701	982	1,151	7,088	7,644	10,781	13,947	12,117
Paints and oils	84	91	116	109	791	5,650	1,844	1,546	14,183
Jewelry and clocks	473	421	493	663	8,158	8,206	8,074	12,885	19,434
Books and papers	144	132	163	218	1,651	1,817	1,545	3,307	15,170
Hats, furs, and gloves	148	128	161	126	2,167	4,056	5,048	1,891	15,008
All other	3,404	3,329	4,249	4,268	62,051	59,346	77,993	82,360	19,297
Agents, brokers, etc	1,441	1,485	1,684	1,703	81,780	71,784	156,714	97,499	57,251
Bank failures	372	437	934	1,440	129,650	218,797	908,158	1,386,554	962,885

Year	Number of failures					Liabilities (in thousands of dollars)				
	Commercial				Banks	Commercial				Banks
	Total	Manufacturing	Trading	Agents, brokers, etc.		Total	Manufacturing	Trading	Agents, brokers, etc.	
1913	16,037	4,243	11,145	649	120	272,672	123,123	115,115	34,435	31,546
1914	18,280	4,620	12,851	809	212	357,909	135,636	165,865	56,408	56,005
1915	22,156	5,116	16,030	1,010	133	302,286	112,026	150,234	40,026	37,223
1916	16,993	4,196	11,923	874	50	196,212	73,000	91,374	31,839	10,397
1917	13,855	3,691	9,430	734	42	182,441	79,544	70,117	32,781	18,452
1918	9,982	2,766	6,494	722	20	163,020	73,382	57,911	31,727	5,132
1919	6,451	1,865	4,013	573	50	113,291	51,614	37,670	24,007	16,521
1920	8,881	2,635	5,532	714	119	295,122	127,992	88,558	78,571	50,708
1921	19,652	4,495	13,999	1,158	404	627,402	232,907	254,794	139,700	173,028
1922	23,676	5,682	16,923	1,071	277	623,896	214,925	271,388	137,583	77,736
1923	18,718	4,968	13,064	686	578	539,387	281,316	209,930	48,140	203,739
1924	20,615	5,208	14,393	1,014	613	543,225	286,770	203,190	53,265	202,926
1925	21,214	5,090	15,161	963	464	443,744	167,685	215,369	60,691	164,699
1926	21,773	5,395	15,268	1,110	608	409,232	158,042	201,334	49,856	212,075
1927	23,146	5,682	16,082	1,382	394	520,104	211,505	228,194	80,405	143,449

Source: Dun's Review, New York, N. Y.

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14. PRICES

GENERAL NOTE.—The wholesale price index of the Department of Labor is based on primary market quotations of 784 commodities beginning 1926; a smaller number of commodities was covered in earlier years. In weighting the prices included in the index, the biennial census reports of 1923 and 1925 have been used for most manufactured products and for other products the average for the years 1923 to 1925 where trustworthy information was available as in the case of agricultural products. Beginning with 1921, in computing indexes for commodity groups, articles falling under more than one of the classifications adopted were included under each classification. For example, articles produced on the farm which reach the consumer practically unchanged in form, such as potatoes, milk, and eggs, were included among both farm products and foods. However, in computing the index for all commodities such articles were counted only once.

The retail food index is based on the weighted average quotations (weighted by average family consumption in 1918) as of the 15th of the month, secured from retail stores in 51 cities since 1920 (from a smaller number in earlier years) for 22 commodities from 1913 to 1920, for 43 commodities from 1921 to 1928, and 42 thereafter.

The farm price index is constructed by weighting prices paid to producers for 27 products (30 products for 1922 to 1925). Average quotations for the period, August, 1909-July, 1914, are used as a base, and each price series is weighted by the average annual marketings of farmers in the years 1918 to 1923.

No. 307.—WHOLESALE, RETAIL, AND FARM PRICES: INDEX NUMBERS

Year	Yearly average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
	1926 average=100												
Wholesale prices:													
1917	117.5	102.1	104.5	107.7	114.1	120.7	122.0	123.0	124.8	123.5	122.2	122.8	122.9
1918	131.3	125.0	122.7	126.4	128.3	128.1	129.0	132.0	134.3	137.5	136.3	136.3	136.3
1919	138.6	134.4	129.8	131.3	133.0	135.3	135.6	141.1	144.3	141.1	141.6	144.5	150.5
1920	154.4	157.7	157.1	158.6	165.5	167.2	166.5	165.8	161.4	155.2	144.2	133.4	120.7
1921	97.6	114.0	104.9	102.4	98.9	96.2	93.4	93.4	93.5	93.4	94.1	94.2	92.9
1922	96.7	91.4	92.9	92.8	93.2	96.1	96.3	99.4	98.6	99.3	99.6	100.5	100.7
1923	100.6	102.0	103.3	104.5	103.9	101.9	100.3	98.4	97.8	99.7	99.4	98.4	98.1
1924	98.1	99.6	99.7	98.5	97.3	95.9	94.9	95.6	97.0	97.1	98.2	99.1	101.5
1925	103.5	102.9	104.0	104.2	101.9	101.6	103.0	104.3	103.9	103.4	103.6	104.5	103.4
1926	100.0	103.2	102.0	100.6	100.3	100.5	100.4	99.5	99.1	99.7	99.4	98.4	97.9
1927	95.4	96.5	95.8	94.7	94.1	94.2	94.1	94.3	95.2	96.3	96.6	96.3	96.4
1928	96.7	98.4	95.8	95.5	96.6	97.5	96.7	97.4	97.6	98.6	96.7	95.8	95.8
1929	95.3	95.9	95.4	96.1	95.5	94.7	95.2	96.5	96.3	96.1	95.1	93.5	93.3
1930	86.4	92.5	91.4	90.2	90.0	88.8	86.8	84.4	84.3	84.4	83.0	81.3	79.6
1931	73.0	78.2	76.8	76.0	74.8	73.2	72.1	72.0	72.1	71.2	70.3	70.2	68.6
	1913 average=100												
Retail food prices:													
1917	146.4	128	133	133	145	151	152	146	149	153	157	155	157
1918	168.3	160	161	154	154	158	162	168	171	178	181	183	187
1919	185.9	185	172	175	182	185	184	190	192	188	189	192	197
1920	203.4	201	200	200	211	215	219	219	207	204	198	193	178
1921	153.3	172	158	156	152	145	144	148	155	153	153	152	150
1922	141.6	142	142	139	139	139	141	142	139	140	143	145	147
1923	146.2	144.4	142.3	141.9	143.1	143.4	144.3	147.2	146.4	149.3	149.8	151.1	150.3
1924	145.9	149.1	147.3	143.7	141.3	141.0	142.4	143.3	144.2	146.8	148.7	150.1	151.5
1925	157.4	154.3	151.4	151.1	150.8	151.6	155.0	159.9	160.4	159.0	161.6	167.1	165.5
1926	160.6	164.3	161.5	159.9	162.4	161.1	159.7	157.0	155.7	158.5	160.0	161.6	161.8
1927	155.4	159.3	156.0	153.8	153.6	155.4	158.5	153.4	152.4	154.0	156.1	156.5	155.9
1928	154.3	155.1	151.6	151.4	152.1	153.8	152.6	152.8	154.2	157.8	156.8	157.3	155.8
1929	156.7	154.6	154.4	153.0	151.6	153.3	154.8	158.5	160.2	160.8	160.5	159.7	158.0
1930	147.1	155.4	153.0	150.1	151.2	150.1	147.9	144.0	143.7	145.6	144.4	141.4	137.2
1931	121.3	132.8	127.0	126.4	124.0	121.0	118.3	119.0	119.7	119.4	119.1	116.7	114.3
	August, 1909-July, 1914=100												
Farm prices:													
1917	176	140	148	159	176	188	188	185	183	184	187	187	191
1918	200	194	197	199	200	198	196	197	203	207	204	200	201
1919	209	200	194	197	207	215	216	222	222	208	206	209	212
1920	205	219	221	222	230	235	234	224	209	194	178	158	140
1921	116	135	128	123	115	112	110	111	116	118	120	116	115
1922	124	114	118	123	123	127	128	126	120	119	123	126	131
1923	135	134	136	136	137	135	133	130	128	132	134	136	137
1924	134	137	136	131	130	129	130	132	139	132	138	137	139
1925	147	146	146	151	147	146	148	149	152	144	143	144	143
1926	136	143	143	140	140	139	139	136	133	134	130	130	127
1927	131	126	127	126	125	126	130	130	132	140	139	137	137
1928	139	137	135	137	140	148	145	145	139	141	137	134	134
1929	138	133	136	140	138	136	135	140	143	141	140	136	135
1930	117	134	131	126	127	124	123	111	108	111	106	103	97
1931	80	94	90	91	91	86	80	79	75	72	68	71	66

Sources: Wholesale and retail prices, Department of Labor; farm prices, Department of Agriculture.

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No. 308.—WHOLESALE PRICES BY MAJOR COMMODITY GROUPS: INDEX NUMBERS

NOTE.—See general note, page 298. For indexes for all commodities for prior years see Table 309. For index numbers (based on 1923-1925 as 100) showing price changes in farm products and foods compared with all other commodities combined, see Table 565, p. 604

[1926=100, except as noted]

Period	All commodities	Farm products	Foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous
1890	56.2	50.4	55.5	47.5	57.8	38.1	105.3	46.5	73.2	49.9	97.9
1891	55.8	54.2	54.8	47.9	54.6	37.0	92.2	44.2	74.0	50.4	94.3
1892	52.2	49.5	51.0	47.2	55.2	34.8	84.0	41.7	74.6	48.1	86.6
1893	53.4	51.3	54.7	45.1	54.1	35.3	76.8	41.6	72.7	48.1	89.0
1894	47.9	44.6	48.2	43.0	46.1	34.3	65.7	39.8	65.5	45.3	86.4
1895	48.8	43.9	47.3	49.4	44.3	40.3	70.4	38.8	64.7	43.5	88.9
1896	46.5	39.6	44.1	45.2	43.1	39.5	71.2	38.9	65.0	43.4	90.2
1897	46.6	42.5	45.5	45.9	42.9	33.9	65.0	37.4	70.9	42.5	92.5
1898	48.5	44.9	47.8	48.3	44.9	34.5	65.3	39.6	77.4	44.0	93.4
1899	52.2	45.8	47.7	49.4	47.7	41.2	100.0	43.6	81.1	45.0	97.4
1900	56.1	50.5	50.8	49.4	53.3	46.3	98.0	46.2	82.1	48.9	102.0
1901	55.3	52.8	50.5	48.9	48.1	44.6	93.1	44.3	84.2	48.9	93.4
1902	58.9	58.4	53.3	50.8	49.4	51.8	91.0	45.3	86.5	49.2	88.1
1903	59.6	55.6	52.0	49.9	52.8	60.3	90.2	46.7	84.1	50.9	98.9
1904	59.7	58.5	54.0	49.7	52.9	53.3	79.9	45.0	84.1	50.3	109.5
1905	60.1	56.4	55.1	53.9	54.1	49.6	89.1	48.1	82.3	49.7	117.4
1906	61.8	57.3	53.4	57.7	58.7	52.0	102.4	54.0	76.8	51.3	115.3
1907	65.2	62.2	57.0	58.0	63.5	54.4	109.8	56.8	78.5	55.0	108.2
1908	62.9	62.2	58.7	55.6	54.8	53.7	86.3	52.0	79.6	51.6	97.8
1909	67.6	69.6	62.6	61.5	56.5	51.6	84.5	53.7	79.9	51.7	129.6
1910	70.4	74.3	64.9	60.2	58.4	47.6	85.2	55.3	82.0	54.0	152.7
1911	64.9	66.8	62.0	58.8	55.5	46.7	80.8	55.3	81.6	52.7	108.6
1912	69.1	72.6	66.8	64.5	55.7	51.4	89.5	55.9	80.7	53.0	106.4
1913	69.8	71.5	64.2	68.1	57.3	61.3	90.8	56.7	80.2	56.3	93.1
1914	68.1	71.2	64.7	70.9	54.6	56.6	80.2	52.7	81.4	56.8	89.9
1915	69.5	71.5	65.4	75.5	54.1	51.8	86.3	53.5	112.0	56.0	86.9
1916	85.5	84.4	75.7	93.4	70.4	74.3	116.5	67.6	160.7	61.4	100.6
1917	117.5	129.0	104.5	123.8	98.7	105.4	150.6	88.2	165.0	74.2	122.1
1918	131.3	148.0	119.1	125.7	137.2	109.2	136.5	98.6	182.3	93.3	134.4
1919	138.6	157.6	129.5	174.1	135.3	104.3	130.9	115.6	157.0	105.9	139.1
1920	154.4	150.7	137.4	171.3	164.8	163.7	149.4	150.1	164.7	141.8	167.5
1921	97.6	88.4	90.6	109.2	94.5	96.8	117.5	97.4	115.0	113.0	109.2
1922	96.7	93.8	87.6	104.6	100.2	107.3	102.9	97.3	100.3	103.5	92.8
1923	100.6	98.6	92.7	104.2	111.3	97.3	109.3	108.7	101.1	108.9	99.7
1924	98.1	100.0	91.0	101.5	106.7	92.0	106.3	102.3	98.9	104.9	93.6
1925	103.5	109.8	100.2	105.3	108.3	96.5	103.2	101.7	101.8	103.1	109.0
1926	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1927	95.4	99.4	96.7	107.7	95.6	88.3	96.3	94.7	96.8	97.5	91.0
1928	96.7	105.9	101.0	121.4	95.5	84.3	97.0	94.1	95.6	95.1	85.4
1929	95.3	104.9	99.9	109.1	90.4	83.0	100.5	95.4	94.2	94.3	82.6
1930	86.4	88.3	90.5	100.0	80.3	78.5	92.1	89.9	89.1	92.7	77.7
1931	73.0	64.8	74.6	86.1	66.3	67.5	84.5	79.2	79.3	84.9	69.8
1931 (1913=100)	*104.6*	*90.6*	*116.2*	*126.4*	*115.7*	*110.1*	*93.1*	*139.7*	*98.9*	*150.8*	*75.0*
1931 (1925-1926=100)	*72.5*	*65.0*	*78.9*	*85.0*	*60.9*	*70.8*	*79.5*	*76.0*	*78.8*	*80.4*	*69.2*
1929											
January-March	95.8	106.2	98.4	110.2	92.4	83.1	101.0	96.0	95.5	93.8	82.6
April-June	95.1	103.5	98.4	107.5	90.8	83.0	101.6	95.7	94.1	94.2	82.1
July-September	96.3	107.2	103.2	109.7	89.7	82.7	100.6	95.4	93.5	94.3	82.9
October-December	94.0	102.3	99.7	108.6	88.6	83.1	99.0	94.9	93.8	94.7	82.6
1930											
January-March	91.4	97.9	95.8	104.1	86.1	80.7	96.9	94.1	92.2	93.6	81.1
April-June	88.5	92.6	92.6	102.6	83.0	79.6	93.6	91.9	90.3	93.5	79.9
July-September	84.4	84.4	88.0	99.7	78.0	78.3	89.8	87.8	87.8	92.8	76.0
October-December	81.3	79.0	85.8	94.1	74.2	75.6	87.9	85.5	86.1	90.8	74.1
1931											
January	78.2	73.1	80.7	88.7	71.3	73.3	86.9	83.8	84.5	88.3	72.2
February	76.8	70.1	78.0	86.9	70.9	72.5	86.5	82.5	83.3	88.1	71.5
March	76.0	70.6	77.6	87.6	70.0	68.3	86.4	82.5	82.9	88.0	72.0
April	74.8	70.1	76.3	87.5	68.2	65.4	85.7	81.5	81.3	87.9	71.5
May	73.2	67.1	73.8	87.6	67.4	65.3	85.0	80.0	80.5	86.8	70.5
June	72.1	65.4	73.3	88.0	66.6	62.9	84.4	79.3	79.4	86.4	69.7
July	72.0	64.9	74.0	89.4	66.5	62.9	84.3	78.1	78.9	85.7	69.7
August	72.1	63.5	74.6	88.7	65.5	66.5	83.9	77.6	76.9	84.9	68.3
September	71.2	60.5	73.7	85.0	64.5	67.4	83.9	77.0	76.3	82.7	68.2
October	70.3	58.8	73.3	82.5	63.0	67.8	82.8	76.1	75.6	81.0	66.6
November	70.2	58.7	71.0	81.6	62.2	69.4	82.6	76.2	76.1	80.9	68.7
December	68.6	55.7	69.1	79.8	60.8	68.3	82.2	75.7	76.1	78.5	66.8

Source: Bureau of Labor Statistics, Department of Labor.

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No. 309.—WHOLESALE PRICES: INDEX NUMBERS, 1860 TO 1889

NOTE.—1926=100. Indexes are arithmetic averages of unweighted relative prices, published in 1893 by the Committee on Finance, United States Senate, on an 1860 base, recomputed to the 1926 base by the Bureau of Labor Statistics, Department of Labor

Year	General index	Year	General index	Year	General index
1860	61	1870	87	1880	65
1861	61	1871	83	1881	64
1862	72	1872	84	1882	66
1863	90	1873	84	1883	65
1864	116	1874	81	1884	60
1865	132	1875	78	1885	57
1866	116	1876	72	1886	56
1867	105	1877	68	1887	56
1868	98	1878	62	1888	57
1869	94	1879	59	1889	57

No. 310.—WHOLESALE PRICES OF COMMODITY SUBGROUPS: INDEX NUMBERS

NOTE.—1926=100. Each of the 10 groups covered by Table 308 is divided into from 2 to 7 subgroups. See also general note p. 298 regarding commodities included in two groups

Subgroup	1913	1923–1925	1927	1928	1929	1930	1931	1930		1931	
								June	Dec.	June	Dec.
Grains	71.1	102.3	100.9	107.3	97.4	78.3	53.0	78.7	64.0	56.0	47.0
Livestock and poultry	73.3	85.3	98.9	105.4	106.1	89.2	63.9	88.5	76.3	61.9	51.7
Other farm products	70.8	115.1	99.2	105.8	106.6	91.1	69.2	92.7	78.1	70.8	61.2
Butter, cheese, milk	65.9	99.7	103.9	105.5	105.6	95.5	81.8	90.2	89.2	78.8	79.8
Cereal products			94.4	93.6	88.0	81.5	73.1	82.8	75.9	74.3	72.2
Fruits and vegetables			96.7	96.5	97.8	96.6	72.4	109.0	75.4	76.4	63.5
Meats	59.8	81.7	92.7	107.0	109.1	98.4	75.4	99.9	89.2	71.3	63.2
Other foods	65.9	101.4	98.0	97.6	93.9	80.9	69.8	78.1	77.0	68.5	67.2
Boots and shoes	54.5	99.3	102.6	109.9	106.3	102.0	93.7	103.0	97.7	94.6	89.2
Hides and skins	106.8	115.5	120.3	148.6	112.7	91.0	60.2	99.0	69.4	65.5	48.8
Leather	69.1	102.9	109.2	126.3	113.2	101.3	86.2	102.9	91.5	87.8	78.6
Other leather products	50.8	103.4	102.8	108.2	106.4	105.5	101.4	105.5	104.8	101.4	99.7
Clothing			95.8	93.2	90.0	86.2	75.9	86.7	83.5	76.3	70.8
Cotton goods	58.0	113.9	97.1	100.4	98.8	84.7	66.1	87.2	75.6	67.6	56.4
Knit goods			91.9	90.1	88.5	80.0	60.9	81.8	72.3	59.8	58.5
Other textile products	62.7	89.5	98.2	95.4	93.1	84.2	75.1	86.2	77.8	75.5	71.3
Silk and rayon	71.8	112.4	87.1	83.7	80.4	60.2	43.5	60.5	48.2	41.9	39.0
Woolen and worsted goods	53.7	108.2	97.8	100.1	88.3	79.0	68.2	79.7	73.9	68.0	63.9
Anthracite	58.9	99.7	96.3	91.7	90.1	89.1	91.1	85.8	89.6	88.8	94.8
Bituminous coal	38.1	103.2	100.3	93.6	91.3	89.4	84.6	88.6	89.1	83.2	83.8
Coke	46.3	104.6	94.4	84.6	84.6	84.0	82.4	84.0	83.8	81.5	81.1
Electricity			102.9	96.6	94.5	97.7	98.8	97.5	100.7	98.6	104.1
Gas	78.1	103.2	98.0	94.9	93.1	97.3	98.7	99.7	95.4	101.9	98.2
Petroleum products	73.3	87.0	72.7	72.0	71.3	61.5	39.5	63.6	51.1	30.7	39.6
Farm equipment	72.9	101.6	99.7	99.3	98.7	95.0	92.1	94.5	94.4	94.2	85.5
Iron and steel	70.9	109.6	94.2	93.5	94.9	89.1	83.3	89.0	86.6	83.5	81.0
Motor vehicles	147.5	107.2	100.4	102.9	106.7	100.3	94.8	100.8	96.0	94.2	95.2
Nonferrous metals	88.9	96.6	92.8	94.0	106.1	82.4	61.9	79.8	71.7	61.2	53.8
Plumbing and heating			92.0	95.1	95.0	88.6	84.7	88.3	85.3	86.6	79.9
Brick and tile	38.9	102.4	95.7	95.6	94.3	89.8	83.6	88.5	87.1	83.7	80.0
Cement	59.6	105.4	96.7	95.9	91.8	91.8	79.4	91.7	90.6	77.7	74.6
Lumber	54.0	103.9	93.1	90.5	93.8	85.8	69.5	85.6	78.2	68.5	65.8
Other building materials	63.1	103.3	95.4	96.7	97.7	93.3	84.8	93.0	89.3	85.4	81.5
Paint materials	50.8	103.4	96.3	93.1	94.9	90.5	79.4	92.4	83.7	80.0	76.6
Plumbing and heating			92.0	95.1	95.0	88.6	84.7	88.3	85.3	86.6	79.9
Structural steel	77.1	113.4	94.7	95.2	98.1	87.3	83.1	86.8	81.7	84.3	81.7
Chemicals	89.4	102.3	99.6	100.5	99.1	93.7	83.0	94.0	89.9	82.5	80.8
Drugs and pharmaceuticals	56.6	96.4	88.4	72.6	71.5	68.0	62.8	68.5	65.7	62.6	61.0
Fertilizer materials	85.5	98.0	96.2	94.6	92.1	85.6	76.8	85.3	81.4	79.8	70.1
Mixed fertilizer	84.3	101.2	93.0	97.3	97.2	93.6	82.0	94.1	90.6	82.4	77.1
Furniture	70.7	109.7	97.7	96.7	95.0	94.0	88.0	94.6	92.5	89.8	80.6
Furnishings	47.9	103.5	97.4	93.7	93.6	91.4	82.2	92.3	85.6	83.4	76.6
Cattle feed	82.2	113.8	117.8	138.1	121.6	99.7	62.7	102.0	78.2	61.1	53.9
Paper and pulp	59.4	102.9	93.8	91.4	88.9	86.1	81.4	86.4	84.0	80.7	80.8
Rubber, crude	170.2	88.5	77.9	46.4	42.3	24.5	12.8	25.9	18.6	13.3	9.5
Auto tires and tubes	207.2	100.2	74.9	63.4	54.5	51.3	46.0	50.3	50.2	46.0	40.8
Other miscellaneous	64.4	100.8	98.8	96.9	98.4	95.5	88.0	96.9	90.3	88.2	85.9

Source of Tables 309 and 310: Bureau of Labor Statistics, Department of Labor.

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No. 311.—WHOLESALE PRICES OF LEADING COMMODITIES

NOTE.—This list is a selection from among the 784 commodities entering into the general index of wholesale prices of the Department of Labor, shown in Table 308

Commodity	Unit	Average price						
		1923–1925	1926	1927	1928	1929	1930	1931
I.—FARM PRODUCTS		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Barley, feeding, Chicago	Bushel	0.774	0.694	0.825	0.826	0.615	0.602	0.496
Corn, contract grades, Chicago	do	.944	.759	.882	.977	.941	.827	.531
Corn, No. 3, mixed, Chicago	do	.927	.736	.851	.953	.929	.810	.519
Oats, No. 2, white, Chicago	do	.473	.430	.497	.555	.486	.397	.278
Rye, No. 2, Chicago	do	.932	.954	1.046	1.133	1.016	.624	.431
Wheat, No. 2, red winter, Chicago	do	1.407	1.542	1.378	1.540	1.304	.983	.665
Wheat, No. 2, hard, Kansas City	do	1,338	1.496	1.372	1.325	1.180	.900	.606
Wheat, No. 1, northern spring, Minneapolis	do	1,359	1.549	1.369	1.285	1.276	.984	.739
Cattle, steers, good to choice, Chicago	100 lbs	10.093	9.529	12.688	14.489	13.493	11.027	8.759
Hogs, fair to choice, light, Chicago	do	9.534	13.115	10.602	9.862	10.666	9.938	6.642
Lambs, western, fair to good, Chicago	do	14.335	13.701	13.860	14.203	13.719	8.758	6.824
Poultry, live fowls, Chicago	Pound	.218	.252	.225	.246	.273	.219	.187
Cotton, middling, New Orleans	do	.265	.168	.172	.194	.186	.131	.083
Eggs, firsts, Chicago	Dozen	.339	.335	.300	.324	.354	.270	.201
Eggs, firsts, New York	do	.370	.356	.320	.329	.368	.278	.225
Apples, fresh, Baldwins, Chicago	Barrel	5.203	4.102	4.522	6.979	6.029	5.859	4.417
Oranges, choice, California	Box	6.209	5.957	7.094	7.370	6.540	7.248	4.929
Hay, alfalfa, Kansas City	Ton	22.199	21.034	18.594	22.808	24.566	21.596	15.716
Hay, timothy, No. 1, Chicago	do	24.055	23.481	19.447	20.588	20.394	19.779	17.529
Milk, fluid, Chicago	100 lbs	3.001	2.940	2.975	2.735	2.955	2.920	2.775
Milk, fluid, New York	do	3.419	3.623	3.732	3.827	3.997	3.848	3.488
Peanuts, Norfolk	Pound	.063	.050	.055	.056	.049	.040	.041
Flaxseed, Minneapolis	Bushel	2.653	2.328	2.202	2.245	2.766	2.353	1.484
Tobacco, leaf, warehouse sales	100 lbs		19.961	18.755	20.204	20.125	17.424	12.203
Potatoes, white, Chicago	do	1.645	3.013	2.309	1.354	1.606	2.136	1.210
Wool, Ohio, medium grades	Pound	.548	.457	.447	.543	.467	.310	.226
II.—FOODS								
Butter, creamery, extra:								
Chicago	Pound	.437	.429	.458	.461	.437	.353	.271
New York	do	.450	.443	.473	.474	.449	.364	.283
San Francisco	do	.476	.436	.454	.460	.458	.364	.281
Cheese, whole milk, Chicago	do	.219	.217	.241	.240	.221	.182	.141
Milk, evaporated, New York	Case[1]	4.396	4.393	4.564	4.429	4.267	3.846	3.542
Beef, fresh, carcass, steers, Chicago	Pound	.170	.164	.186	.228	.231	.207	.156
Lamb, fresh, Chicago	do	.258	.262	.262	.267	.256	.191	.157
Hams, Chicago	do	.228	.308	.246	.228	.244	.230	.181
Pork, mess, New York	Barrel (200 lbs.)	31.055	37.447	34.500	32.120	30.370	31.125	23.192
Pork, sides, clear, Chicago	Pound	.162	.201	.187	.163	.171	.166	.115
Pork, fresh (composite price), Chicago	do	.161	.224	.183	.170	.183	.175	.123
Poultry, Chicago	do	.246	.271	.232	.226	.242	.242	.193
Bread, Chicago	do	.075	.075	.075	.075	.075	.075	.074
Bread, New York	do	.070	.070	.070	.070	.066	.066	.066
Coffee, Rio No. 7, New York	do	.162	.182	.148	.165	.157	.087	.062
Salmon, canned, Alaska, red	Dozen	2.645	3.326	2.868	2.900	2.709	3.009	2.848
Flour, short patents, winter, Kansas City	Barrel	7.160	8.035	7.388	7.073	6.535	5.535	4.248
Flour, standard patents, Minneapolis	do	7.468	8.426	7.433	7.205	6.786	5.626	4.578
Flour, patents, Portland, Oreg	do	7.992	7.984	7.475	7.545	7.176	6.003	4.550
Raisins, coast, seeded, New York	Pound	.080	.092	.074	.061	.060	.056	.057
Bananas, Jamaicas, New York	Bunch	2.395	2.451	2.202	2.101	1.766	1.898	1.626
Lard, prime, contract, New York	Pound	.141	.150	.129	.123	.120	.109	.080
Oleomargarine, standard, uncolored, Chicago	do	.225	.228	.223	.225	.235	.218	.133
Rice, Blue Rose, New Orleans	do	.054	.062	.041	.038	.038	.040	.031
Salt, American, medium, Chicago	Barrel	2.389	2.195	2.195	2.272	2.214	2.112	2.372
Sugar, granulated, New York	Pound	.071	.055	.058	.056	.051	.047	.044
Sugar, raw, 96°, New York	do	.058	.043	.047	.042	.038	.034	.033
Cottonseed oil, New York	do	.110	.118	.097	.099	.097	.081	.060
III.—HIDES AND LEATHER PRODUCTS								
Hides, packers, heavy, native steers	Pound	.158	.140	.195	.238	.171	.139	.091
Calfskins, No. 1, country, Chicago	do	.180	.173	.197	.274	.190	.163	.114
Goat skins, Brazil, New York	do	.818	.733	.751	.787	.741	.771	.578

[1] Case of 4 dozen 16-ounce cans. Price for 1931 computed from price of 14½-ounce cans.

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No. 311.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1926	1927	1928	1929	1930	1931
III.—HIDES AND LEATHER PRODUCTS—continued.								
Leather, Boston:		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Calf, chrome, B grade	Sq. ft	0.457	0.453	0.489	0.558	0.496	0.430	0.378
Glazed kid, top grade	do	.681	.675	.677	.715	.725	.692	.600
Side, black, chrome, tanned, B grade.	do	.266	.253	.320	.369	.288	.238	.204
Sole, oak, scoured backs	Pound	.480	.438	.493	.641	.529	.452	.365
Shoes:								
Child's gun metal	Pair		1.330	1.425	1.793	1.853	1.631	[2] 1.200
Men's, dress, medium grade [3]	do	3.162	3.199	3.268	3.575	3.750	3.350	3.290
Women's, black kid, McKay sewed	do	3.525	3.600	3.625	3.729	3.600	3.563	3.188
IV.—TEXTILE PRODUCTS								
Cotton goods, mill:								
Damask, table, mercerized, mill, 58-inch	Yard		.370	.357	.370	.370	.370	.333
Denims, Mass., 28-inch	do	.233	.169	.170	.191	.181	.147	.114
Drillings, Pepperell, 29-inch	do	.174	.127	.120	.126	.125	.105	.073
Gingham, Amoskeag, 27-inch	do	.126	.090	.095	.106	.105	.093	.078
Muslin, bleached, Fruit of the Loom.	do	.183	.167	.161	.166	.174	.157	.132
Print cloth, 27-inch	do	.070	.052	.055	.058	.052	.042	.033
Sheeting, bleached, Pepperell, 10/4.	do	.486	.416	.385	.410	.419	.362	.282
Sheeting, brown, Pepperell, 4/4	do	.149	.123	.121	.122	.117	.103	.089
Yarn, carded, white, northern, 22/1's cones.	Pound	.459	.358	.351	.371	.358	.274	.216
Knit goods, mill:								
Hosiery, women's, pure silk	Doz. prs	12.337	12.168	11.003	[2] 9.792	9.313	7.896	5.760
Hosiery, men's, silk	do	5.750	4.795	4.250	3.950	3.850	3.567	2.750
Women's union suits, cotton	Dozen		9.875	8.864	9.500	9.500	9.310	8.187
Silk and rayon:								
Rayon, 150 B denier, New York	do	2.136	1.692	1.439	1.450	1.180	1.009	.727
Silk, raw, steam filature, N. Y.	do	7.509	6.348	5.559	5.128	4.886	3.629	2.442
Woolen and worsted goods, mill:								
Suiting serge, 11-ounce	Yard	2.478	2.168	2.051	2.052	1.961	1.818	1.586
French serge, 54-inch [4]	do	.776	.728	.987	1.006	.975	1.106	.960
Yarn, fine weaving, 2/50's	Pound	2.469	2.106	2.089	2.088	1.967	1.668	1.442
Thread, 6-cord	Spool	.033	.036	.036	.036	.036	.036	.035
V.—FUEL AND LIGHTING								
Coal, anthracite, chestnut	Ton	13.861	13.767	13.298	13.001	12.886	12.715	12.768
Coal, bituminous, mine run	do	4.976	5.381	4.264	4.033	3.953	3.909	3.736
Coke, Connellsville, furnace	do	4.378	4.106	3.199	2.793	2.780	2.567	2.460
Electricity	100 kwh		1.463	1.506	1.414	1.383	1.430	1.446
Manufactured gas	1,000 cu. ft	1.062	1.034	1.013	.982	.985	.986	.984
Petroleum, crude, Kans.-Okla	Barrel	1.519	1.884	1.285	1.203	1.233	1.111	.573
Fuel oil, refinery, Pennsylvania	Gallon	.056	.064	.051	.048	.048	.039	.027
Gasoline, refinery, Pennsylvania	do	.130	.128	.092	.099	.091	.073	.050
VI.—METALS AND PRODUCTS								
Iron ore, non-Bessemer	Ton	4.924	4.250	4.250	4.250	4.443	4.500	4.500
Pig iron, basic, furnace	do	21.873	18.548	17.697	16.664	18.189	17.962	15.837
Pig iron, Bessemer, Pittsburgh	do	24.860	21.318	20.437	19.207	20.538	20.260	18.693
Nails, wire, Pittsburgh	100 lbs	2.948	2.750	2.638	2.676	2.667	2.191	1.978
Pipe, cast-iron, 6-inch, New York	Ton	57.549	51.340	43.315	37.659	36.666	39.315	34.454
Skelp, grooved, Pittsburgh	100 lbs	2.149	1.900	1.830	1.865	1.859	1.730	1.611
Steel billets, open-hearth, Pittsburgh.	Ton	38.465	35.000	33.269	32.673	34.642	31.808	29.346
Steel plates, tank, Pittsburgh	Pound	.021	.019	.018	.019	.019	.017	.016
Steel rails, open-hearth, mill	Ton	43.000	43.000	43.000	43.000	43.000	43.000	43.000
Steel sheets, No. 27, mill	Pound	.035	.032	.031	.029	.030	.027	.025
Steel, structural, mill	100 lbs	2.220	1.958	1.854	1.865	1.921	1.708	1.627
Tin plate, domestic, standard, Pittsburgh.	do	5.470	5.500	5.481	5.262	5.350	5.188	4.942
Aluminum, New York	Pound	.265	.270	.254	.239	.239	.234	.229
Copper, ingot, electrolytic	do	.139	.138	.130	.146	.181	.129	.081
Lead, pig, desilverized, New York	do	.083	.084	.068	.063	.068	.055	.042
Silver, bar, fine, New York	Ounce	.672	.624	.567	.585	.533	.385	.290
Tin, pig, New York	Pound	.502	.653	.644	.504	.452	.315	.244
Zinc, pig, slab, New York	do	.072	.077	.066	.064	.068	.049	.040

[2] Grade changed; figures not strictly comparable with those for earlier year.
[3] Prior to 1928, men's black dress welt; change in grade does not materially affect comparability of figures.
[4] Prior to 1927, 35-inch; for 1927 to 1929, 39-inch.

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No. 311.—Wholesale Prices of Leading Commodities—Continued

Commodity	Unit	Average price						
		1923–1925	1926	1927	1928	1929	1930	1931
VI.—METALS, ETC.—continued								
Agricultural implements, factory:		*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Cultivator	Each	45.313	44.170	42.030	41.320	40.845	39.420	39.420
Harrow, spike, peg tooth	do	16.973	16.720	15.670	15.670	14.824	13.870	13.750
Plow, 2-horse	do	16.599	16.095	15.862	15.270	15.258	14.961	14.686
Separator, cream	do	59.053	59.370	61.250	61.040	60.338	58.230	58.230
Tractor, 10–20 horsepower	do	663.0	680.0	680.0	680.0	680.0	653.0	637.0
Automobiles, passenger, f. o. b. factory.[5]	do			728.6	745.0	773.0	724.0	689.0
Trucks, f. o. b. factory	do		1,104.4	1,011.3	940.1	971.6	904.4	845.2
VII.—BUILDING MATERIALS								
Douglas fir, No. 1, common sheathing, mill.	1,000 ft	17.972	16.483	16.285	16.758	18.293	14.702	11.648
Oak, plain, white, No. 1, Cincinnati	do	66.200	66.019	63.635	59.173	57.623	52.115	46.308
Pine, white, No. 2, Buffalo	do	59.957	50.039	46.231	44.269	48.453	43.827	44.606
Pine, yellow, flooring, mill	do	45.355	45.109	38.481	36.485	37.278	34.737	27.993
Pine, yellow, timbers, mill	do	27.414	27.835	25.438	24.399	27.354	27.690	17.374
Shingles, cedar, red, mill	1,000	2.816	2.734	2.541	2.786	3.002	2.191	1.868
Brick, common, building, plant	do	14.323	13.913	14.021	13.717	13.616	13.052	12.396
Cement, Portland	Barrel	1.838	1.744	1.686	1.672	1.601	1.600	1.393
Linseed oil, raw, New York	Pound	.134	.112	.105	.100	.123	.125	.084
White lead, in oil, New York	do	.141	.152	.140	.133	.138	.139	.133
Glass, plate, 5 to 10 sq. ft., N. Y.	Sq. ft	.638	.478	.395	.385	.385	.375	.365
Glass, window, single B, works	50 sq. ft	3.389	3.110	2.980	3.080	3.420	3.420	2.068
Lime, building, plant	Ton	9.586	8.984	8.825	8.574	7.987	7.941	7.672
VIII.—CHEMICALS AND DRUGS								
Acid, sulphuric, 66°, New York	Ton	14.267	14.600	15.104	15.500	15.500	15.500	15.500
Alcohol, denatured, New York	Gallon	.511	.367	.478	.530	.570	.498	.368
Ammonia, anhydrous, New York	Pound	.289	.131	.114	.135	.140	.154	.153
Soda ash, light, 58 per cent, works	100 lbs		1.430	1.375	1.366	1.345	1.345	1.161
Soda, caustic, New York	do	3.280	3.200	3.078	2.950	2.950	2.950	2.524
Tallow, packer's prime, Chicago	Pound	.088	.087	.081	.088	.085	.062	.039
Alcohol, grain, New York	Gallon	4.802	4.855	3.741	2.701	2.745	2.645	2.502
Phenol, U. S. P., New York	Pound	.291	.197	.169	.150	.138	.147	.143
Acid phosphate, Baltimore	Ton	8.732	9.592	8.547	9.292	9.731	8.635	7.755
Nitrate of soda, 95 per cent, N. Y.	100 lbs	2.526	2.550	2.495	2.232	2.157	2.076	1.981
Sulphate of ammonia, New York	do	3.047	2.628	2.427	2.484	2.213	1.791	1.445
Fertilizers, mixed, South Atlantic, 8-3-3, Series II.	Ton		23.200	21.792	22.900	22.400	21.588	19.125
IX.—HOUSEFURNISHING GOODS[6]								
Blankets, all wool, factory	Pound		1.349	1.313	1.333	1.333	1.267	1.028
Carpets, Brussels, factory	Yard	3.036	3.064	2.976	2.976	2.976	2.936	2.490
Sewing machines, electric	Each	73.620	77.550	80.248	82.250	84.600	84.667	80.458
Stoves, gas	do	64.053	62.924	63.409	60.657	66.900	67.155	61.694
Vacuum cleaners, electric, with attachments, delivered.	do		48.510	46.060	36.750	35.280	28.910	28.195
Washing machines, electric, 2-speed, 6-sheet capacity, factory.	do		83.300	83.300	68.192	60.760	54.594	48.977
X.—MISCELLANEOUS								
Bran, Minneapolis	Ton	24.546	23.084	26.861	30.159	26.594	22.063	13.103
Cottonseed meal, prime, Memphis	do	41.020	28.542	35.604	47.042	38.542	31.833	19.646
Middlings, standard, Minneapolis	do	25.850	23.430	29.127	31.582	27.741	22.284	13.051
Paper, f. o. b. cars, destination, New York basis.	do		71.80	71.80	67.50	62.00	62.00	57.00
Paper, wrapping, manila, No. 1, jute, New York.	100 lbs	10.490	11.030	9.230	9.125	9.125	9.125	9.125
Wood pulp, sulphite, domestic, unbleached, New York.	do	2.745	2.865	2.633	2.522	2.535	2.511	2.186
Rubber, plantation, ribbed, N. Y.	Pound	.434	.487	.381	.226	.206	.119	.062
Automobile tires, balloon, factory	Each		18.289	13.777	11.784	[7] 10.252	[7] 8.886	[7] 7.650
Cylinder oil, Pennsylvania	Gallon	.168	.180	.174	.171	.266	.274	.153
Neutral oil, Pennsylvania	do	.264	.280	.332	.314	.269	.210	.202
Soap, laundry, Philadelphia	100 cakes	4.867	4.851	4.851	4.851	4.851	4.851	4.851
Starch, laundry, New York	Pound	.056	.058	.058	.058	.058	.057	.053
Tobacco, plug, New York	do	.698	.696	.696	.696	.696	.696	.696
Tobacco, smoking, 1-oz. bag, N. Y.	Gross	8.898	8.320	8.320	8.320	8.320	8.320	7.017
Cigarettes, destination	M		5.660	5.660	5.422	5.398	5.645	5.851

[5] Weighted average price of Buick, Cadillac, Chevrolet, Dodge, Ford, and Packard cars.

[6] Owing to frequent changes in patterns announced by manufacturers, prices of individual articles of furniture are only roughly comparable from year to year and are not shown.

[7] Grade changed; figures not strictly comparable with those for other years.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 312.—WHOLESALE PRICES: INDEX NUMBERS

NOTE.—Figures in boxes indicate number of quotations. Bradstreet's index is the sum of the prices per pound of the 96 commodities. Dun's is weighted by the amount "annually consumed by each inhabitant." For method of computing the Department of Labor index see general note, p. 298

[1926=100]

Year	Bradstreet's index 96	Dun's index 300	Department of Labor: All commodities 784 [1]	Raw materials 109 [1]	Semi-manufactured articles 93 [1]	Finished products 582 [1]
1913	70.9	64.3	69.8	68.8	74.9	69.4
1914	68.9	64.8	68.1	67.6	70.0	67.8
1915	77.4	67.6	69.5	67.2	81.2	68.9
1916	93.3	80.3	85.5	82.6	118.3	82.3
1917	123.8	110.5	117.5	122.6	150.4	109.2
1918	145.2	121.9	131.3	135.8	153.8	124.7
1919	145.6	123.2	138.6	145.9	157.9	130.6
1920	140.6	129.3	154.4	151.8	198.2	149.8
1921	87.2	89.1	97.6	88.3	96.1	103.3
1922	95.3	92.3	96.7	96.0	98.9	96.5
1923	103.5	100.8	100.6	98.5	118.6	99.2
1924	100.0	100.9	98.1	97.6	108.7	96.3
1925	108.0	104.6	103.5	106.7	105.3	100.6
1926	100.0	100.0	100.0	100.0	100.0	100.0
1927	99.4	99.4	95.4	96.5	94.3	95.0
1928	102.4	103.1	96.7	99.1	94.5	95.9
1929	97.3	101.0	95.3	97.5	93.9	94.5
1930	81.8	91.3	86.4	84.3	81.8	88.0
1931	66.6	77.3	73.0	65.6	69.0	77.0

[1] Beginning 1926. In earlier years a smaller number of commodities was included.

No. 313.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS

NOTE.—**1913 average=100.** Figures for food represent 51 cities since 1920 and a smaller number in earlier years; other figures, 19 cities from 1913 to December, 1917, inclusive, and 32 cities thereafter. Totals weighted by relative importance of items as ascertained by country-wide study of cost of living

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
December, 1914	103.0	105.0	101.0	100.0	101.0	104.0	103.0
December, 1915	105.1	105.0	104.7	101.5	101.0	110.6	107.4
December, 1916	118.3	126.0	120.0	102.3	108.4	127.8	113.3
December, 1917	142.4	157.0	149.1	100.1	124.1	150.6	140.5
December, 1918	174.4	187.0	205.3	109.2	147.9	213.6	165.8
June, 1919	177.3	184.0	214.5	114.2	145.6	225.1	173.2
December, 1919	199.3	197.0	268.7	125.3	156.8	263.5	190.2
June, 1920	216.5	219.0	287.5	134.9	171.9	292.7	201.4
December, 1920	200.4	178.0	258.5	151.1	194.9	285.4	208.2
May, 1921	180.4	144.7	222.6	159.0	181.6	247.7	208.8
December, 1921	174.3	149.9	184.4	161.4	181.1	218.0	206.8
June, 1922	166.6	140.7	172.3	160.9	174.2	202.9	201.5
December, 1922	169.5	146.6	171.5	161.9	186.4	208.2	200.5
March, 1923	168.8	141.9	174.4	162.4	186.2	217.6	200.3
June, 1923	169.7	144.3	174.9	163.4	180.6	222.2	200.3
September, 1923	172.1	149.3	176.5	164.4	181.3	222.4	201.1
December, 1923	173.2	150.3	176.3	166.5	184.0	222.4	201.7
March, 1924	170.4	143.7	175.8	167.0	182.2	221.3	201.1
June, 1924	169.1	142.4	174.2	168.0	177.3	216.0	201.1
September, 1924	170.6	146.8	172.3	168.0	179.1	214.9	201.1
December, 1924	172.5	151.5	171.3	168.2	180.5	216.0	201.7
June, 1925	173.5	155.0	170.6	167.4	176.5	214.3	202.7
December, 1925	177.9	165.5	169.4	167.1	186.9	214.3	203.5
June, 1926	174.8	159.7	168.2	165.4	180.7	210.4	203.3
December, 1926	175.6	161.8	166.7	164.2	188.3	207.7	203.9
June, 1927	173.4	158.5	164.9	162.1	180.8	205.2	204.5
December, 1927	172.0	155.9	162.9	160.2	183.2	204.6	205.1
June, 1928	170.0	152.6	162.6	157.6	177.2	201.1	205.5
December, 1928	171.3	155.8	161.9	155.9	181.3	199.7	207.1

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No. 313.—COST OF LIVING IN THE UNITED STATES: INDEX NUMBERS—Con.

Date	All items	Food	Clothing	Housing	Fuel and light	Furniture and furnishings	Miscellaneous
June, 1929	170.2	154.8	161.3	153.7	175.2	198.5	207.3
December, 1929	171.4	158.0	160.5	151.9	178.7	197.7	207.9
June, 1930	166.6	147.9	158.9	149.6	172.8	195.7	208.5
December, 1930	160.7	137.2	153.0	146.5	175.0	188.3	208.1
June, 1931	150.3	118.3	146.0	142.0	165.4	177.0	206.6
December, 1931	145.8	114.3	135.5	136.2	168.0	167.1	205.4

Source: Bureau of Labor Statistics, Department of Labor.

No. 314.—COST OF LIVING IN PRINCIPAL CITIES: INDEX NUMBERS

City	Index of total cost of living for December—							Index December, 1931, for—					
	1920	1925	1927	1928	1929	1930	1931	Food	Clothing	Housing	Fuel and light	House furnishing goods	Miscellaneous
Dec., 1914=100													
Baltimore, Md	196.8	181.2	174.5	173.9	175.1	165.8	151.8	114.4	141.9	156.3	183.9	166.8	224.5
Boston, Mass	197.4	174.7	169.5	168.2	168.4	159.2	144.1	112.8	158.0	138.4	186.0	189.9	191.3
Buffalo, N. Y	201.7	184.8	180.2	179.6	180.0	169.4	151.8	106.7	145.4	150.4	224.8	172.4	214.2
Chicago, Ill	193.3	180.6	174.3	173.1	173.7	162.2	146.2	123.1	119.5	156.5	152.5	157.8	198.6
Cleveland, Ohio	207.3	182.7	179.0	175.4	174.3	166.2	150.0	104.1	136.8	141.0	159.5	158.3	219.0
Detroit, Mich	218.6	187.8	179.0	177.4	177.8	161.6	141.9	107.7	133.1	131.0	159.3	149.3	218.1
Houston, Tex	204.0	174.3	167.9	166.4	168.0	154.7	141.1	109.5	152.5	112.3	116.8	199.1	192.9
Jacksonville, Fla	206.2	181.7	173.0	169.1	165.8	156.9	140.5	101.4	149.7	90.3	161.0	181.7	197.6
Los Angeles, Calif	196.7	177.4	170.6	171.0	168.7	158.1	145.1	105.7	140.0	125.7	146.6	171.2	203.5
Mobile, Ala	193.3	168.5	165.5	165.7	164.8	154.4	138.0	107.4	126.2	124.6	149.7	150.6	202.3
New York, N. Y	201.4	183.2	179.1	176.3	177.1	167.5	152.0	114.4	156.5	158.4	190.4	152.3	220.6
Norfolk, Va	209.0	176.4	173.4	174.1	173.5	164.8	148.8	109.8	146.2	129.3	183.0	156.1	218.3
Philadelphia, Pa	200.7	182.6	178.3	174.5	175.0	164.5	150.5	117.0	142.0	140.3	191.7	154.1	217.6
Portland, Me	193.1	170.3	167.0	166.6	165.8	157.2	145.1	117.2	147.9	117.0	197.3	191.0	195.7
Portland, Oreg	180.3	156.9	152.8	152.4	151.6	141.5	131.9	106.0	123.3	93.8	140.1	156.8	182.9
San Francisco and Oakland, Calif	185.1	164.7	160.7	161.7	160.8	151.5	138.1	110.3	157.5	120.2	130.6	166.6	178.7
Savannah, Ga	198.7	162.9	158.1	159.1	157.2	148.3	133.9	95.3	144.6	109.5	140.9	189.0	182.3
Seattle, Wash	194.1	171.7	166.9	167.1	168.7	158.4	148.0	108.8	145.9	137.5	161.5	203.1	194.6
Washington, D. C	187.8	167.3	160.8	160.2	159.2	151.8	139.0	117.8	139.7	127.9	134.9	179.9	175.3
Dec., 1917=100													
Atlanta, Ga	138.5	119.0	114.3	115.6	113.5	104.5	93.8	70.8	83.3	119.6	104.8	94.3	128.7
Birmingham, Ala	133.3	119.2	115.7	114.2	111.8	103.8	90.4	66.8	79.9	101.5	124.9	89.0	124.1
Cincinnati, Ohio	134.7	123.0	121.3	121.2	123.1	116.6	105.8	75.8	77.6	143.9	164.6	94.9	150.3
Denver, Colo	138.7	122.5	116.6	116.3	116.1	109.7	100.3	69.4	93.5	137.1	107.1	99.8	136.5
Indianapolis, Ind	137.6	124.3	119.2	118.5	118.8	110.8	99.2	70.9	80.6	111.3	123.7	87.6	149.2
Kansas City, Mo	139.5	118.1	111.9	111.3	111.7	107.7	98.9	71.1	90.1	116.3	114.3	88.5	142.3
Memphis, Tenn	139.3	122.1	117.3	117.5	116.5	110.4	99.5	65.8	89.6	118.4	148.3	99.1	135.2
Minneapolis, Minn	135.7	120.3	115.4	115.2	116.2	110.6	102.1	74.5	83.8	119.8	144.3	97.3	136.1
New Orleans, La	136.7	122.7	119.9	119.5	118.8	110.2	100.3	69.7	90.3	138.7	104.1	99.5	145.2
Pittsburgh, Pa	139.3	128.5	124.8	124.4	123.2	115.2	104.5	70.8	86.7	152.3	183.8	93.6	145.6
Richmond, Va	133.3	120.8	116.4	115.7	114.9	109.3	100.3	70.8	91.4	121.8	137.6	115.5	140.3
St. Louis, Mo	135.4	125.0	121.4	120.4	121.7	113.9	101.4	70.2	80.8	144.0	120.7	99.4	139.2
Scranton, Pa	139.1	132.0	128.5	127.8	127.3	119.5	108.4	77.2	92.9	151.8	169.5	107.3	155.2

Source: Bureau of Labor Statistics, Department of Labor.

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No. 315.—RETAIL FOOD PRICES IN THE UNITED STATES: INDEX NUMBERS

NOTE.—1913 average=100. The principal commodities used in this index number are listed in Table 317. For index numbers for individual cities see Table 316

Year	Index numbers of—		Year	Index numbers of—		Year	Index numbers of—	
	Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food		Retail price of food	Purchasing power of the dollar measured in food
1890	70	143	1904	76	132	1918	168	60
1891	71	141	1905	76	132	1919	186	54
1892	69	145	1906	79	127	1920	203	49
1893	71	141	1907	82	122	1921	153	65
1894	68	147	1908	84	119	1922	142	70
1895	67	149	1909	89	112	1923	146	68
1896	65	154	1910	93	108	1924	146	68
1897	65	154	1911	92	109	1925	157	64
1898	67	149	1912	98	102	1926	161	62
1899	68	147	1913	100	100	1927	155	64
1900	69	145	1914	102	98	1928	154	65
1901	72	139	1915	101	99	1929	157	64
1902	75	133	1916	114	88	1930	147	68
1903	75	133	1917	146	68	1931	121	82

No. 316.—RETAIL FOOD PRICES IN PRINCIPAL CITIES: INDEX NUMBERS

NOTE.—1913 average=100. For average for all cities see Table 344

City	1916	1920	1925	1926	1927	1928	1929	1930	1931	1931			
										Mar.	June	Sept.	Dec.
Atlanta, Ga	108	202	158	165	160	158	160	147	121	126	120	118	112
Baltimore, Md	113	207	164	168	161	159	161	151	128	132	123	125	118
Birmingham, Ala	116	209	165	168	161	159	160	150	120	126	114	116	110
Boston, Mass	112	203	158	162	157	156	158	151	124	128	120	124	118
Buffalo, N. Y	115	210	162	166	160	159	161	151	124	127	121	123	110
Charleston, S. C	108	207	159	164	157	156	158	151	126	132	123	124	118
Chicago, Ill	114	207	166	171	166	165	168	159	134	137	130	134	126
Cincinnati, Ohio	112	203	157	163	157	157	163	156	129	133	126	126	120
Cleveland, Ohio	114	208	156	162	155	153	154	144	116	123	113	114	107
Dallas, Tex	111	197	156	156	154	155	157	146	117	126	112	112	113
Denver, Colo	112	195	143	144	140	139	141	132	110	112	109	110	106
Detroit, Mich	114	215	165	169	163	160	164	150	122	127	118	122	111
Fall River, Mass	112	204	153	158	155	154	155	145	118	122	115	116	113
Indianapolis, Ind	114	202	151	157	151	151	155	146	116	122	113	115	109
Jacksonville, Fla	108	192	153	161	150	145	144	138	114	120	113	112	105
Kansas City, Mo	114	206	155	158	150	150	154	144	121	127	120	117	114
Little Rock, Ark	110	195	149	153	148	147	152	143	113	119	110	110	104
Los Angeles, Calif	102	184	149	146	143	143	146	134	110	115	106	110	108
Louisville, Ky	110	197	154	157	152	153	156	143	114	118	112	111	108
Manchester, N. H	113	206	152	157	153	154	154	145	121	123	119	122	111
Memphis, Tenn	111	204	150	152	146	148	151	141	112	116	110	110	105
Milwaukee, Wis	115	209	157	163	157	156	159	150	124	127	122	123	115
Minneapolis, Minn	114	208	154	159	152	153	157	148	123	127	121	120	114
Newark, N. J	111	195	151	154	150	150	151	143	123	126	120	123	114
New Haven, Conn	115	201	155	161	157	157	158	149	128	131	124	126	123
New Orleans, La	112	200	156	156	154	153	156	146	118	124	112	116	112
New York, N. Y	112	204	160	164	160	158	160	150	128	131	125	127	119
Omaha, Nebr	115	210	155	159	151	147	150	141	114	119	114	113	106
Philadelphia, Pa	113	201	159	164	160	158	159	149	128	130	126	127	122
Pittsburgh, Pa	112	202	158	162	158	156	160	147	122	127	120	120	112
Portland, Oreg	104	187	142	140	139	140	144	133	109	111	109	108	107
Providence, R. I	114	209	158	162	156	156	158	149	123	125	118	124	118
Richmond, Va	114	214	166	170	162	161	162	153	125	132	122	122	119
St. Louis, Mo	114	213	160	164	159	156	161	151	124	130	122	121	114
Salt Lake City, Utah	111	185	140	135	134	132	136	127	106	109	107	105	101
San Francisco, Calif	105	189	155	153	151	151	154	147	122	127	121	119	115
Scranton, Pa	112	208	161	165	162	163	164	154	128	131	125	127	122
Seattle, Wash	105	190	150	147	145	145	149	140	117	120	117	115	113
Washington, D. C	112	208	165	169	163	164	164	154	131	136	128	130	122

Source of Tables 315 and 316: Bureau of Labor Statistics, Department of Labor.

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No. 317.—RETAIL PRICES OF PRINCIPAL ARTICLES OF FOOD IN THE UNITED STATES: ACTUAL AND RELATIVE

NOTE.—**For index numbers 1913 average = 100.** Data are averages of prices as reported by retail dealers as of the 15th of each month in 51 of the larger cities since the year 1920 and in a smaller number of cities for earlier years (39 in 1913)

Year or month	Sirloin steak		Round steak		Rib roast		Pork chops		Bacon		Lard	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
	Per lb.		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*		*Per lb.*	
1891–1895			$0.123	55			$0.112	53	$0.132	49	$0.100	63
1896–1900			.127	57			.111	53	.132	49	.091	58
1901–1905			.141	63			.137	65	.176	65	.116	73
1906–1910	[1]$0.192	76	.159	71	[1]$0.159	80	.167	80	.217	80	.136	86
1911–1915	.241	95	.213	96	.191	96	.201	96	.261	97	.150	95
1916–1920	.366	144	.338	152	.285	144	.356	170	.461	171	.290	184
1921–1925	.391	154	.337	151	.287	145	.331	158	.412	153	.190	120
1926–1930	.456	180	.401	180	.335	169	.368	175	.455	168	.190	121
1924	.396	156	.338	152	.288	146	.308	147	.377	140	.190	120
1925	.406	160	.347	156	.296	150	.366	174	.467	173	.233	148
1926	.413	163	.356	160	.303	153	.395	188	.503	186	.219	139
1927	.426	168	.371	166	.313	158	.368	175	.472	175	.193	122
1928	.478	188	.420	188	.350	177	.348	166	.440	163	.186	118
1929	.500	197	.444	199	.367	185	.369	176	.435	161	.183	116
1930	.464	183	.412	185	.342	173	.359	171	.423	157	.170	108
1931	.394	155	.344	154	.289	146	.291	139	.364	135	.133	84
March	.403	159	.352	158	.303	153	.294	140	.386	143	.142	90
June	.387	152	.337	151	.283	143	.294	140	.369	137	.130	82
September	.394	155	.344	154	.283	143	.322	153	.362	134	.126	80
December	.363	143	.313	140	.267	135	.218	104	.303	112	.112	71

Year or month	Hens		Eggs		Butter		Cheese		Milk		Bread	
	Per lb.		*Per doz.*		*Per lb.*		*Per lb.*		*Per qt.*		*Per lb.*	
1891–1895	$0.136	64	$0.214	62	$0.268	70			$0.068	76		
1896–1900	.131	62	.199	58	.247	64			.067	75		
1901–1905	.154	72	.254	74	.281	73			.071	80		
1906–1910	.182	85	.304	88	.333	87			.079	89		
1911–1915	.206	97	.341	99	.363	95	[2]$0.227	103	.088	99	[2]$0.063	113
1916–1920	.351	165	.527	153	.567	148	.358	162	.133	149	.096	171
1921–1925	.365	171	.483	140	.523	137	.352	159	.139	156	.091	163
1926–1930	.377	177	.460	133	.533	139	.372	168	.141	159	.091	162
1924	.353	166	.478	139	.517	135	.353	160	.138	155	.088	157
1925	.366	172	.521	151	.548	143	.367	166	.140	157	.094	168
1926	.388	182	.485	141	.531	139	.366	166	.140	157	.094	168
1927	.369	173	.452	131	.556	145	.376	170	.141	158	.093	166
1928	.374	176	.464	134	.565	148	.385	174	.142	160	.091	162
1929	.397	186	.490	142	.551	144	.380	172	.143	161	.090	161
1930	.355	167	.410	119	.461	120	.351	159	.140	157	.087	155
1931	.310	146	.317	92	.354	92	.281	127	.123	138	.076	136
March	.320	150	.285	83	.374	97	.303	137	.129	145	.079	141
June	.311	146	.258	75	.307	81	.265	120	.120	135	.076	136
September	.309	145	.338	98	.368	96	.270	122	.121	136	.073	130
December	.286	134	.385	112	.365	95	.262	119	.116	130	.072	129

Year or month	Flour		Corn meal		Rice		Potatoes		Sugar		Coffee	
	Per 1/8 bbl. bag		*Per lb.*		*Per lb.*		*Per pk.*		*Per lb.*		*Per lb.*	
1891–1895	$0.637	79	$0.020	67			$0.235	92	$0.057	104		
1896–1900	.639	79	.018	60			.211	83	.058	105		
1901–1905	.687	85	.022	73			.263	103	.058	105		
1906–1910	.807	100	.027	90			.271	106	.059	107		
1911–1915	.872	108	.031	103	[2]$0.089	102	.282	111	.061	111	[2]$0.298	100
1916–1920	1.637	202	.058	193	.130	149	.609	239	.115	209	.362	121
1921–1925	1.303	161	.045	151	.099	114	.453	178	.084	152	.410	138
1926–1930	1.309	162	.052	175	.103	118	.546	214	.068	124	.476	160
1924	1.201	149	.047	157	.101	116	.405	159	.092	167	.433	145
1925	1.495	185	.054	180	.111	128	.540	212	.072	131	.515	173
1926	1.470	182	.051	170	.116	133	.735	288	.069	126	.510	171
1927	1.348	167	.052	173	.107	123	.570	224	.073	133	.483	162
1928	1.323	164	.053	177	.100	115	.405	159	.071	129	.492	165
1929	1.250	154	.053	177	.097	112	.480	188	.066	120	.491	165
1930	1.152	142	.053	177	.095	109	.540	212	.062	113	.406	136
1931	.882	109	.046	153	.082	94	.345	135	.057	104	.338	113
March	.956	118	.050	167	.086	99	.405	159	.058	106	.363	122
June	.907	112	.045	150	.082	94	.360	141	.056	102	.331	111
September	.809	100	.045	150	.080	92	.300	118	.057	104	.324	109
December	.809	100	.041	137	.074	85	.270	106	.055	100	.315	106

[1] 1907–1910. [2] 1913–1915.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 318.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT ARTICLES IMPORTED INTO THE UNITED STATES

NOTE.—The values are required by law to represent the values of the goods *in the foreign markets* whence exported to the United States. "Ton" signifies long ton of 2,240 pounds. The averages are obtained by dividing the total value of imports of the specified article by the total quantity, and as in some commodities there may be considerable variations in price between different grades, methods of packing, etc., and as the proportions of the grades, etc., may vary from year to year, the averages in such cases may show the actual price movements only roughly

Year ended—	Cheese, per pound	Fish, cured, per barrel (200 pounds)		Hides and skins, per pound		Rice, per pound	Wheat, per bushel	Copra, per pound	Flaxseed, per bushel	Cocoa, per pound	Coffee, per pound	Tea, per pound	Cane sugar, per pound	Rubber, crude, per pound	Shellac, per pound	Tobacco, leaf, per pound		Cotton, unmanufactured, per pound	Jute and jute butts, per ton	Flax, per ton
		Herring	Mackerel	Goat	Cattle											Cigar wrappers	Other leaf			
June 30—	*Cents*	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Cents*	*Cents*	*Dollars*	*Dollars*
1905	14.6	6.50	12.12	27.6	13.2	2.5	.89	-------	1.08	11.6	8.8	15.8	2.64	74.2	35.0	.74	48.77	15.6	45.82	279.44
1906	15.8	7.47	12.19	28.6	14.0	2.5	.92	-------	1.41	10.9	8.6	15.6	2.14	78.0	32.4	.96	52.16	15.3	62.05	266.62
1907	16.9	7.50	12.28	31.3	15.3	3.0	.63	4.3	1.38	14.5	7.9	16.1	2.11	76.6	32.7	1.14	54.55	19.0	85.66	260.41
1908	17.2	6.78	13.74	27.2	12.2	2.9	.97	3.4	1.25	17.2	7.6	17.3	2.37	58.8	31.0	1.06	63.41	19.9	60.49	263.93
1909	16.5	6.80	10.47	25.0	12.4	2.7	.89	2.8	1.40	11.4	7.5	16.2	2.30	69.8	20.3	.95	65.58	15.7	46.06	257.57
1910	17.3	6.96	10.43	26.6	14.7	2.6	.92	3.6	1.71	10.5	7.9	16.0	2.59	100.0	13.2	.98	52.91	18.4	54.70	277.10
1911	17.4	7.24	9.50	25.0	14.4	2.8	.94	4.1	2.04	10.5	10.3	17.2	2.45	105.8	14.9	1.08	53.63	21.8	72.33	342.47
1912	18.9	7.79	12.19	24.4	15.3	2.4	.82	4.4	1.90	10.9	13.3	18.0	2.81	84.4	12.2	1.25	51.17	18.4	71.12	346.65
1913	18.6	8.24	10.35	25.7	17.3	3.7	.70	4.5	1.54	12.4	13.8	18.4	2.18	79.5	13.9	1.29	45.33	18.9	74.01	318.01
1914	17.3	7.21	10.98	26.2	18.6	3.2	.89	5.3	1.22	11.8	11.1	18.4	2.00	54.0	16.1	1.28	50.44	15.7	105.38	290.37
1915	18.7	6.57	12.27	24.3	18.3	2.4	1.10	3.8	1.25	11.9	9.5	18.1	3.21	48.3	12.5	1.28	46.44	12.5	56.26	399.60
1916	23.5	7.86	13.65	27.2	20.3	2.4	1.02	4.1	1.38	14.4	9.6	18.8	3.70	57.9	12.8	1.43	40.45	17.2	73.07	505.59
1917	30.8	9.44	16.14	52.5	25.9	2.8	1.74	5.1	2.03	11.8	10.1	18.6	4.33	56.8	23.4	1.34	47.83	27.5	87.50	535.00
1918	41.5	16.57	12.48	47.4	25.3	3.5	2.02	5.5	2.56	10.3	9.0	20.4	4.82	52.1	41.5	1.21	53.37	34.9	92.11	1,037.72
Dec. 31—																				
1919	35.9	13.65	25.00	71.5	30.8	7.0	1.88	6.4	3.16	14.8	19.6	24.9	5.60	40.2	48.6	1.40	83.10	41.0	134.51	904.21
1920	35.4	12.49	18.81	110.5	31.1	10.3	2.10	6.6	3.03	15.8	19.5	27.0	12.59	42.9	80.8	1.80	89.93	46.2	100.93	566.77
1921	32.3	11.05	15.32	37.8	12.9	3.4	1.54	3.9	1.66	7.6	10.7	18.6	3.94	17.8	48.9	2.00	92.84	23.7	93.08	566.91
1922	31.4	10.21	17.34	40.5	14.5	3.4	1.15	3.7	2.09	9.3	12.9	24.5	2.59	15.1	59.3	2.04	74.67	25.6	107.38	575.03
1923	32.4	9.95	15.91	43.9	16.0	3.3	.99	4.0	2.01	8.2	13.5	28.2	4.93	26.7	59.7	2.35	80.76	26.4	128.33	511.09
1924	29.2	12.09	17.37	39.3	13.1	4.0	1.00	4.4	1.81	7.8	17.6	29.3	4.39	23.7	53.5	2.56	97.77	30.3	114.02	515.19
1925	27.8	13.30	15.60	40.7	16.0	4.7	1.39	5.0	2.40	10.0	22.3	31.2	2.75	48.4	51.0	2.34	80.18	33.7	190.69	680.59
1926	26.9	12.09	12.05	44.6	14.7	4.5	1.39	5.1	1.84	10.0	21.6	32.7	2.47	54.6	33.6	2.25	75.48	25.5	215.06	478.07
1927	30.7	12.69	13.10	43.6	17.4	4.4	1.31	4.6	1.74	13.4	18.4	31.6	3.06	35.6	41.4	2.15	64.94	22.2	131.52	479.08
1928	30.3	12.98	13.96	46.0	23.1	4.2	1.17	4.5	1.78	12.4	21.3	30.3	2.68	25.0	42.4	2.06	63.64	24.9	129.45	698.47
1929	29.2	12.54	15.45	47.4	16.0	4.5	1.11	4.2	1.92	9.8	20.4	28.9	2.14	19.1	38.4	1.84	67.75	23.9	128.35	579.24
1930	26.7	14.13	12.40	40.7	13.0	3.8	.98	3.6	2.11	8.4	13.1	26.6	1.85	12.9	27.3	1.60	55.20	19.7	107.76	429.26
1931	23.8	12.40	9.30	31.6	8.4	2.9	.64	2.4	.98	5.6	10.0	21.6	1.78	6.6	16.3	1.47	47.10	9.9	69.71	222.45

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Year ended—	Hemp, per ton	Manila, per ton	Jute burlaps, per pound	Wool, per pound			Silk, raw, per pound	Pulpwood, per cord	Boards, planks, deals, per M feet	Wood pulp, per ton	Printing paper, per pound	Bituminous coal, per ton	Petroleum, crude, per gallon	Bar iron, per pound	Tin plates, terneplates, per pound	Copper, pigs, ingots, bars, per pound	Tin, bars, blocks, pigs, per pound	Sodium nitrate, per ton
				Carpet	Clothing	Combing												
June 30—	*Dollars*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Cents*	*Dollars*	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*	*Dollars*
1905	160.10	195.99	5.5	13	23	25	3.34	-------	15.35	26.87	-------	2.44	-------	1.9	2.8	13.6	27.55	34.31
1906	170.55	187.90	6.5	14	24	28	3.64	-------	15.60	29.16	-------	2.40	-------	1.9	2.8	15.1	33.32	35.08
1907	176.00	199.51	8.2	15	26	30	4.20	4.29	17.40	29.79	-------	2.48	-------	1.9	3.3	19.8	39.70	41.05
1908	174.92	171.05	7.4	15	22	27	4.13	5.40	19.23	30.79	-------	2.59	-------	2.0	3.0	16.8	32.72	38.03
1909	153.45	115.60	5.9	11	21	21	3.38	5.96	18.85	31.47	2.4	2.85	-------	1.8	2.7	13.3	28.54	35.61
1910	161.89	112.78	5.0	13	24	25	3.21	6.39	18.35	31.11	2.1	2.75	-------	1.8	2.8	12.5	30.52	30.60
1911	177.78	116.04	5.3	13	23	26	3.25	6.40	18.49	28.42	2.4	2.83	-------	2.0	3.2	11.9	36.67	31.25
1912	219.75	116.74	6.6	13	21	24	3.11	6.47	17.45	29.78	2.4	2.85	1.9	2.0	4.3	12.7	41.56	32.09
1913	193.67	171.08	8.9	14	23	25	3.15	6.71	17.34	32.14	2.4	2.77	1.5	2.0	3.4	15.3	46.30	35.17
1914	177.34	196.82	8.6	17	25	26	3.42	6.75	19.05	33.49	2.4	2.71	1.5	2.0	3.0	14.4	39.35	31.82
1915	217.73	180.12	7.0	17	23	25	3.09	6.67	18.96	33.82	2.4	2.90	1.4	1.9	3.3	13.4	32.44	28.34
1916	252.45	178.31	9.0	22	28	29	3.61	6.51	18.97	33.27	2.4	2.99	1.4	2.8	7.9	19.4	35.34	29.98
1917	258.02	225.00	10.8	29	36	39	4.61	6.78	20.86	60.71	3.1	3.23	1.4	4.1	10.8	26.1	39.97	35.06
1918	403.40	352.99	13.3	40	54	62	4.69	9.46	25.49	62.66	4.2	4.42	1.3	4.8	8.4	24.6	54.60	43.64
Dec. 31—																		
1919	561.59	280.95	14.9	38	51	59	7.35	9.99	32.38	65.24	3.5	5.48	1.2	5.1	12.4	20.7	56.73	48.00
1920	411.75	304.09	15.6	32	51	58	9.48	13.62	42.73	110.50	4.7	6.06	1.3	6.1	14.5	18.4	58.50	47.75
1921	255.56	184.71	8.7	12	22	20	5.71	14.23	35.06	63.30	5.0	6.56	1.3	4.7	12.1	12.7	30.71	48.71
1922	232.40	124.89	9.4	17	25	29	7.21	10.53	29.54	56.29	3.5	5.92	1.3	2.8	5.1	12.7	30.26	48.21
1923	288.61	130.32	11.2	21	37	38	7.92	9.95	31.75	60.52	3.7	6.03	1.6	2.6	5.2	14.5	39.56	47.05
1924	345.50	175.54	10.3	24	46	47	6.39	10.24	30.11	55.71	3.7	5.73	2.3	2.7	6.8	12.6	47.32	47.81
1925	458.87	290.51	13.6	30	46	53	6.21	10.20	30.33	55.09	3.6	4.90	2.9	2.0	12.6	12.9	55.40	47.23
1926	373.73	263.92	13.7	26	35	39	5.91	10.25	28.79	59.01	3.3	4.85	3.1	2.3	6.1	12.6	60.63	46.79
1927	309.08	255.49	11.8	26	34	37	5.27	10.32	27.82	57.37	3.3	4.98	3.2	2.0	8.0	11.8	63.30	40.24
1928	341.41	202.65	12.9	25	44	44	4.87	10.45	27.54	53.27	3.2	4.91	2.7	2.9	7.4	12.4	49.80	35.81
1929	290.74	186.95	12.0	27	38	38	4.90	10.81	28.07	52.75	3.0	4.88	2.4	3.0	11.2	16.1	47.06	37.52
1930	259.95	138.08	9.1	20	26	24	3.56	10.76	24.60	49.63	2.9	5.34	2.5	3.3	11.5	13.2	33.31	37.71
1931	145.17	95.61	6.7	12	24	20	2.28	10.97	21.79	42.71	2.7	5.61	2.0	2.5	9.7	8.5	24.82	38.34

Source: Bureau of Foreign and Domestic Commerce.

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No. 319.—ANNUAL AVERAGE UNIT VALUES OF IMPORTANT DOMESTIC ARTICLES EXPORTED FROM THE UNITED STATES

NOTE.—The values of the goods are required by law to represent their market value at the port of exportation. The headnote to Table 318 also applies to this table

Year ended—	Bacon, hams, and shoulders, per pound	Pork, pickled, per pound	Eggs, per dozen	Milk: Condensed and evaporated, per pound	Butter, per pound	Cheese, per pound	Lard, per pound	Sole leather, per pound	Corn, per bushel	Rye, per bushel	Wheat, per bushel	Wheat flour, per barrel	Oil cake, and oil cake meal, per pound	Cottonseed oil, per pound [1]	Sugar, per pound	Rosin, per barrel [2]	Spirits of turpentine, per gallon	Tobacco, leaf, per pound	Cotton, per pound	Boards, planks, per M feet	Coal: Anthracite, per ton	Coal: Bituminous, per ton	Petroleum, crude, per gallon	Gasoline, naphtha, etc., per gallon	Kerosene, per gallon	Wire, per pound	Wire nails, per pound
June 30—	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Dols.*	*Dols.*	*Dols.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*	*Cts.*
1905	10.5	7.9	21.9	-----	16.4	10.7	7.7	21.4	.53	.84	.89	4.55	1.1	29.4	4.1	3.06	.56	9.0	8.8	19.08	4.99	2.63	5.2	8.4	6.8	2.2	2.2
1906	10.1	8.2	21.0	-----	18.0	11.7	8.1	20.2	.53	.67	.82	4.25	1.3	31.2	3.8	4.06	.63	9.5	11.0	21.34	4.93	2.58	5.0	8.0	6.3	2.2	2.1
1907	10.1	9.1	22.1	-----	19.4	11.6	9.2	22.0	.53	.75	.79	3.99	1.3	40.8	3.9	4.42	.65	10.0	10.6	24.55	4.90	2.56	5.2	10.4	6.3	2.3	2.3
1908	10.9	8.9	20.3	-----	21.8	12.9	9.1	21.1	.65	.90	.99	4.61	1.3	42.0	3.8	4.20	.52	10.6	11.4	23.00	4.88	2.58	4.8	11.0	6.8	2.5	2.5
1909	10.9	8.8	23.0	-----	21.2	12.6	10.0	20.9	.70	.82	1.02	4.86	1.3	40.8	3.5	3.69	.40	10.9	9.4	21.40	4.97	2.55	4.1	9.1	6.6	2.3	2.2
1910	10.8	11.1	23.7	7.7	25.0	15.5	11.9	21.7	.69	.77	1.02	5.27	1.4	6.6	4.3	4.55	.56	10.8	14.0	21.83	4.94	2.49	3.1	8.1	6.2	2.4	2.1
1911	12.1	10.8	20.9	7.7	21.7	12.4	11.0	21.5	.56	.95	.93	4.88	1.4	7.6	4.1	6.42	.73	11.1	14.5	21.54	4.99	2.48	2.9	8.5	5.6	2.3	2.1
1912	13.3	9.5	22.0	8.8	24.1	14.2	9.8	22.0	.72	.81	.94	4.63	1.4	6.0	4.6	6.65	.51	11.5	10.2	22.14	5.11	2.54	3.3	9.0	5.7	2.2	2.0
1913	12.1	10.6	21.5	8.7	24.3	17.0	11.2	24.0	.59	.69	.97	4.67	1.4	6.6	3.8	6.19	.42	11.9	11.9	24.30	5.30	2.52	3.9	13.3	6.3	2.1	2.1
1914	13.1	10.8	23.1	8.3	23.8	17.1	11.3	25.6	.75	.70	.95	4.61	1.4	7.2	3.6	4.64	.43	12.1	12.8	23.94	5.27	2.49	4.7	14.3	6.4	2.1	2.1
1915	13.8	10.8	24.1	8.2	24.3	15.3	11.0	29.7	.81	1.17	1.28	5.86	1.4	6.9	4.7	4.53	.47	12.8	8.5	22.25	5.27	2.53	3.2	11.2	6.0	2.2	2.0
1916	13.9	10.6	23.2	8.0	26.6	16.7	11.2	34.8	.81	1.06	1.24	5.63	1.6	8.5	4.9	5.65	.47	12.1	12.3	23.76	5.25	2.43	3.5	16.3	6.4	2.9	2.6
1917	17.6	14.8	30.4	9.7	32.6	23.1	17.3	43.6	1.12	1.63	1.99	7.80	1.8	12.5	6.2	6.53	.49	14.7	18.1	26.00	5.56	2.94	4.1	20.8	5.4	3.9	3.8
1918	26.7	22.7	37.8	12.9	38.6	24.3	25.0	53.8	1.84	1.99	2.37	11.19	2.5	18.2	6.9	7.36	.53	24.1	28.7	41.50	6.16	3.89	5.0	23.6	8.9	5.1	5.2
Dec. 31—																											
1919	31.5	25.3	48.5	14.3	50.7	37.8	31.3	44.7	1.66	1.88	2.41	11.09	3.3	21.2	7.8	16.89	.98	33.9	33.9	49.45	8.25	4.66	6.0	23.8	12.2	5.5	5.3
1920	25.2	19.8	50.6	15.7	58.0	31.0	23.4	53.4	1.49	2.14	2.73	11.30	3.1	18.9	10.3	16.72	1.54	52.4	35.9	62.13	9.44	8.85	8.6	26.6	15.3	5.8	5.7
1921	17.9	12.8	32.5	9.3	40.8	23.1	13.0	34.6	.72	1.48	1.55	7.01	2.0	9.6	5.2	5.19	.65	39.7	16.2	37.93	10.92	5.94	5.4	23.1	12.5	5.5	5.0
1922	17.3	12.0	26.3	10.0	37.2	24.9	11.9	24.6	.70	.97	1.25	5.69	2.1	9.7	3.8	5.25	1.08	33.9	21.6	37.45	10.72	5.95	4.4	21.9	9.3	3.4	3.3
1923	14.4	11.7	27.5	11.4	43.9	26.2	12.6	26.5	.87	.91	1.18	5.40	2.2	10.6	6.5	5.14	1.07	32.1	29.6	46.24	10.91	5.46	3.2	16.3	9.0	3.9	4.0
1924	14.2	11.9	26.5	10.8	41.5	26.0	13.3	22.6	.97	1.10	1.43	5.70	2.1	10.6	5.5	5.30	.88	29.8	27.7	41.25	11.17	4.65	3.6	14.1	9.7	3.6	4.0
1925	20.1	16.0	30.1	11.8	45.1	26.3	17.1	25.9	1.12	1.30	1.72	7.65	2.1	10.4	3.7	9.02	.98	32.7	24.2	42.62	11.19	4.39	4.4	15.3	9.5	3.4	3.8
1926	21.6	16.5	28.8	12.5	46.1	28.6	15.5	28.6	.86	1.03	1.46	7.02	1.8	10.0	3.5	12.61	.92	28.5	17.4	39.97	11.42	4.95	4.4	14.8	10.9	3.4	3.4
1927	18.4	14.3	27.0	12.8	46.3	30.1	13.5	32.0	.85	1.10	1.42	6.65	1.9	8.7	4.1	9.36	.60	27.5	16.9	39.51	11.09	4.44	3.9	11.5	9.8	3.2	3.4
1928	16.5	14.2	30.4	12.7	47.7	30.7	13.0	36.3	1.02	1.20	1.25	6.23	2.3	9.0	3.5	8.40	.53	26.8	20.1	37.56	10.96	4.12	3.4	10.7	10.2	3.0	2.9
1929	17.9	14.3	33.8	12.7	47.0	27.8	12.7	27.5	1.01	1.05	1.24	5.91	2.2	9.2	3.0	7.96	.52	26.2	19.4	38.81	10.71	4.22	3.4	10.6	10.1	3.2	3.0
1930	17.8	13.7	27.2	12.2	41.7	25.7	11.4	22.4	.94	.88	1.00	5.31	1.9	8.5	2.4	6.32	.44	25.8	14.2	36.95	10.76	4.17	3.2	9.4	9.0	3.0	2.8
1931	14.3	10.0	22.7	10.8	32.1	22.4	9.0	17.6	.69	.49	.62	3.57	1.2	7.7	2.1	4.25	.39	21.8	8.9	30.10	10.75	4.01	1.9	5.9	6.6	2.6	2.4

[1] Per gallon prior to 1910. Approximately 7½ pounds=1 gallon.

[2] Barrels of 280 pounds.

Source: Bureau of Foreign and Domestic Commerce.

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15.—WAGES, HOURS OF LABOR, AND EMPLOYMENT

[For data relating to hours of labor and wages shown in other sections, consult the index]

No. 320.—INDEX NUMBERS OF WAGES PER HOUR (EXCLUSIVE OF AGRICULTURE)

NOTE.—These index numbers are based on such information as afforded comparisons through a series of years. No one series of directly comparable data extends through the entire period, although many trades and industries are continuously represented in the table. Agricultural wages are not included in the indexes given in this table, but are presented separately in Table 554; this separation was made because of the seasonal character of the industry, the wide differences in methods of hiring, and the perquisites so often forming a part of the farm wages. The figures in this table indicate the change in earnings per hour when wage workers were actually at work, with 1913 as the base year. During the period, regular full-time working hours have been greatly reduced; hence the figures do not apply to full-time earnings per day or per week. Further, they do not reflect actual earnings in periods of broken time or unemployment

[On currency basis during Civil War period. 1913=100]

Year	Index number	Year	Index number	Year	Index number	Year	Index number
1840	33	1863	44	1886	64	1909	90
1841	34	1864	50	1887	67	1910	93
1842	33	1865	58	1888	67	1911	95
1843	33	1866	61	1889	68	1912	97
1844	32	1867	63	1890	69	1913	100
1845	33	1868	65	1891	69	1914	102
1846	34	1869	66	1892	69	1915	103
1847	34	1870	67	1893	69	1916	111
1848	35	1871	68	1894	67	1917	128
1849	36	1872	69	1895	68	1918	162
1850	35	1873	69	1896	69	1919	184
1851	34	1874	67	1897	69	1920	234
1852	35	1875	67	1898	69	1921	218
1853	35	1876	64	1899	70	1922	208
1854	37	1877	61	1900	73	1923	217
1855	38	1878	60	1901	74	1924	223
1856	39	1879	59	1902	77	1925	226
1857	40	1880	60	1903	80	1926	229
1858	39	1881	62	1904	80	1927	231
1859	39	1882	63	1905	82	1928	232
1860	39	1883	64	1906	85	1929	[1] 233
1861	40	1884	64	1907	89		
1862	41	1885	64	1908	89		

[1] Subject to revision.

Source: Bureau of Labor Statistics, Department of Labor.

No. 321.—INDEX NUMBERS OF WAGES PER HOUR, COST OF LIVING, AND REAL WAGES

NOTE.—The general trend of wages per hour presented in Table 320 relate to the money received per hour by the wage earner as compensation for his work. The real measure of his wage, however, is not his money income, but what he is able to buy with it. In the following table, therefore, index numbers relating to wages per hour and to cost of living are brought together and from them a third index number is computed showing the change in the worker's "real wage"

Year	Index numbers of—			Year	Index numbers of—		
	Wages per hour	Cost of living	Real wages		Wages per hour	Cost of living	Real wages
1913	100	100.0	100.0	1922	208	167.3	124.3
1914	102	103.0	99.0	1923	217	171.0	126.9
1915	103	105.1	98.0	1924	223	170.7	130.6
1916	111	118.3	93.8	1925	226	175.7	128.6
1917	128	142.4	89.9	1926	229	175.2	130.7
1918	162	174.4	92.9	1927	231	172.7	133.8
1919	184	188.3	97.7	1928	232	170.7	135.9
1920	234	208.5	112.2	1929	233	170.8	136.4
1921	218	177.3	123.0				

Source: Bureau of Labor Statistics, Department of Labor.

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No. 322.—WAGES AND HOURS OF LABOR: AVERAGE FULL-TIME HOURS PER WEEK AND EARNINGS PER HOUR IN SPECIFIED MANUFACTURING INDUSTRIES

NOTE.—General index based on 1913=100. Data are not collected annually, but at intervals; they are available, however, for some years not shown in this table unless otherwise indicated

TEXTILES

Cotton goods

Year	Weavers, male		Weavers, female		Spinners, frame, male		Spinners, frame, female		Speeder tenders, male		Speeder tenders, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	58.8	0.151	57.8	0.147	57.2	0.120	59.0	0.108	61.4	0.131	57.8	0.133	102.1	87.5
1913	57.6	.170	56.7	.164	56.9	.143	57.8	.128	59.8	.145	56.5	.153	100.0	100.0
1916	56.7	.205	55.7	.201	56.6	.164	57.2	.149	58.5	.174	55.6	.188	98.6	120.6
1918	56.2	.301	55.4	.285	54.3	.248	56.1	.233	58.2	.265	55.0	.277	97.0	179.9
1920	51.8	.573	50.3	.528	50.7	.475	51.8	.427	54.2	.533	50.2	.486	89.7	323.5
1922	52.6	.389	51.6	.380	53.4	.292	52.6	.301	54.1	.358	51.0	.369	91.5	222.4
1924	52.8	.449	51.8	.429	53.2	.369	53.1	.319	54.3	.394	51.2	.411	91.8	250.7
1926	53.2	.396	51.9	.375	55.1	.289	53.5	.282	55.1	.343	51.0	.368	92.3	221.0
1928	53.4	.392	52.2	.371	57.8	.339	52.9	.276	55.1	.345	51.2	.359	92.5	218.3
1930	52.7	.400	52.0	.381	55.5	.322	53.5	.266	54.8	.343	51.3	.349	92.5	219.0

Woolen and worsted goods

Year	Weavers, male		Weavers, female		Spinners, mule, male		Spinners, frame, female		Burlers, female		Laborers, dyehouse, male		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.1	0.207	56.3	0.180	57.0	0.224	56.0	0.122	56.5	0.130	56.3	0.143	101.3	90.4
1913	56.3	.232	56.0	.197	56.5	.239	55.5	.140	55.6	.146	55.6	.159	100.0	100.0
1916	54.9	.304	54.5	.271	55.3	.316	53.9	.180	54.6	.185	55.0	.197	97.8	126.7
1918	54.5	.470	54.1	.406	54.9	.499	52.4	.278	54.1	.276	54.7	.304	97.0	192.6
1920	48.3	.807	48.3	.747	48.2	.816	48.2	.481	48.4	.452	48.3	.564	86.2	353.7
1922	48.3	.616	48.4	.576	49.2	.670	48.4	.345	48.2	.371	48.9	.435	87.1	267.0
1924	48.8	.701	48.9	.654	48.9	.755	48.9	.417	49.2	.420	49.2	.490	87.7	300.2
1926	48.9	.652	49.2	.600	49.7	.695	49.8	.362	49.3	.381	49.4	.445	88.0	276.5
1928	48.9	.658	48.8	.605	49.5	.684	49.7	.383	49.3	.383	49.1	.463	88.0	289.5
1930	49.3	.636	49.2	.579	49.5	.659	49.1	.387	49.0	.354	49.4	.458	88.0	266.4

Silk and rayon goods

Year	Winders, hard silk, female		Spinners, male		Spinners, female		Weavers, broad silk, male		Weavers, broad silk, female		Loom fixers, male		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	57.3	0.093	57.5	0.094	56.9	0.091	56.9	0.213	56.7	0.141	56.5	0.289	101.3	86.5
1911	56.8	.104	57.5	.095	56.5	.123	56.9	.214	57.2	.181	56.5	.293	101.3	89.1
1912	56.2	.106	57.3	.102	56.0	.124	56.3	.221	56.1	.173	56.1	.307	100.4	94.3
1913	56.3	.112	56.6	.117	56.3	.110	56.0	.253	56.1	.198	55.8	.321	100.0	100.0
1914	54.1	.121	54.7	.119	54.2	.138	54.5	.247	54.2	.189	54.3	.330	98.0	104.7
1919	51.5	.269	53.9	.342	50.3	.274	51.7	.473	52.0	.398	51.5	.546	92.6	199.0
1931	50.1	.293	54.2	.344	50.2	.289	51.2	.499	49.6	.422	51.0	.746	91.0	215.8

Men's clothing

Year	Cutters, cloth, male		Pressers, coat, male		Operators, coat, male		Operators, coat, female		Hand sewers, coat, female		Basters, coat, male		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1911	49.9	0.406	55.1	0.240	55.9	0.264	54.2	0.195	54.8	0.155	55.3	0.220	104.6	86.7
1913	49.0	.433	52.3	.291	52.5	.305	52.1	.199	52.1	.179	52.5	.267	100.0	100.0
1919	47.7	.628	47.8	.541	47.6	.591	48.1	.361	47.8	.334	47.5	.511	92.7	173.5
1922	44.0	1.033	44.1	.869	44.1	.962	43.9	.593	44.2	.526	44.3	.848	85.3	283.2
1924	44.2	1.111	44.2	.934	44.1	1.033	43.6	.614	44.1	.555	44.4	.889	85.3	295.7
1926	44.2	1.123	44.3	.933	44.1	1.034	44.4	.638	44.4	.545	44.3	.925	85.7	291.8
1928	43.8	1.129	44.0	.912	44.2	1.016	43.3	.632	43.9	.527	44.2	.905	85.1	284.4
1930	44.0	1.139	44.2	.867	44.3	.958	43.8	.570	44.2	.496	44.3	.834	85.7	272.7

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.

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No. 322.—Wages and Hours of Labor, Etc.—Continued

TEXTILES—Continued

Year	Hosiery and underwear													
	Boarders, hosiery, male		Finishers, underwear, female		Knitters, web or tube underwear, male		Knitters, transfer, hosiery, female		Loopers, hosiery, female		Seamers, underwear, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	57.0	0.193	57.9	0.150	58.0	0.201	57.5	0.121	57.3	0.133	57.8	0.143	104.2	82.0
1913	55.8	.219	54.7	.184	55.4	.249	56.0	.149	56.0	.150	54.5	.176	100.0	100.0
1919	52.5	.450	51.9	.297	52.9	.407	53.0	.272	52.2	.296	51.3	.287	94.2	183.1
1922	51.3	.462	50.2	.327	51.8	.448	50.7	.293	50.8	.327	50.3	.325	91.9	213.0
1924	51.9	.531	49.8	.377	51.3	.528	50.8	.344	50.8	.384	50.3	.372	91.3	246.1
1926	53.4	.481	50.3	.358	52.0	.534	52.5	.298	52.4	.371	50.2	.374	92.4	266.6
1928	53.8	.521	50.2	.341	52.2	.490	53.1	.294	53.0	.385	50.2	.355	92.4	267.2
1930	53.7	.488	50.5	.341	52.5	.515	53.7	.273	53.1	.386	50.0	.354	92.9	273.8

BOOTS AND SHOES

Year	Cutters, hand, male		Treers, male		Vampers, female		Bed-machine operators, male		Top stitchers, female		Lining makers, female		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1910	56.3	0.319	55.9	0.259	56.9	0.238	56.4	0.311	56.3	0.188	56.5	0.164	102.7	92.0
1913	54.5	.351	55.3	.282	54.7	.246	55.2	.330	54.6	.210	54.6	.190	100.0	100.0
1916	53.9	.375	54.9	.291	53.9	.254	55.0	.349	54.0	.220	53.9	.198	99.1	107.5
1918	52.0	.484	52.3	.403	51.7	.312	52.1	.500	51.6	.285	51.5	.241	94.9	139.7
1920	47.8	.829	48.3	.677	48.8	.506	48.7	.789	48.5	.448	48.6	.378	88.2	232.0
1922	48.3	.787	48.6	.577	49.0	.480	48.9	.668	48.8	.433	48.8	.362	88.4	207.9
1924	48.4	.838	48.8	.624	49.4	.519	49.1	.692	49.3	.462	49.3	.369	88.9	214.1
1926	48.9	.808	49.2	.611	49.1	.531	49.1	.700	49.3	.486	49.3	.413	88.9	219.1
1928	48.6	.824	49.2	.624	49.3	.505	49.2	.682	49.4	.451	49.2	.398	89.2	220.3
1930	48.7	.796	49.1	.563	49.1	.465	49.1	.657	49.1	.419	48.8	.395	88.8	212.0

IRON AND STEEL

Year	Blast furnaces													
	Stockers		Larrymen		Blowers		Keepers		Keepers' helpers		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		
1913	78.0	0.192	82.3	0.217	82.2	0.332	82.0	0.235	82.2	0.186	72.5	0.171	100	100
1919	78.1	.465	80.4	.542	79.8	.755	80.6	.562	80.2	.480	77.9	.457	[2]	[2]
1920	75.5	.527	73.8	.586	73.2	.868	73.3	.635	74.5	.522	72.3	.474	94	279
1922	74.4	.352	75.1	.402	72.4	.678	75.3	.420	75.3	.349	67.7	.315	94	194
1924	60.5	.465	57.7	.548	58.3	.889	57.1	.579	58.6	.475	62.4	.401	78	254
1926	60.1	.465	57.9	.551	58.5	.902	57.4	.577	59.1	.471	62.4	.389	78	252
1929	62.6	.451	58.5	.552	58.7	.918	57.7	.579	59.5	.486	63.8	.373	79	258
1931	57.2	.485	55.3	.563	55.8	.929	55.2	.573	56.2	.492	59.5	.384	74	269

Year	Open-hearth furnaces													
	Stockers		Charging-machine operators		Melters' helpers, first		Steel pourers		Ladle cranemen		Laborers		General index [1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1913	77.8	0.197	78.0	0.335	77.1	0.440	77.0	0.370	77.2	0.341	76.2	0.187	100	100
1919	75.7	.506	75.3	.753	74.9	.966	73.2	.796	75.6	.733	76.2	.468	[2]	[2]
1920	70.9	.573	67.2	.895	69.4	1.089	68.0	.929	68.3	.837	68.5	.525	90	283
1922	73.9	.379	72.2	.625	71.4	.775	70.4	.645	72.9	.588	67.9	.354	92	203
1924	58.2	.540	56.3	.863	55.5	1.064	56.5	.837	55.2	.832	59.0	.434	76	268
1926	57.8	.535	55.7	.951	55.3	1.170	55.6	.889	54.9	.900	59.2	.429	74	286
1929	57.9	.560	56.2	.958	55.9	1.247	56.3	.927	55.8	.941	60.5	.433	75	301
1931	54.5	.527	53.2	.879	53.1	1.239	53.5	.851	53.2	.846	57.5	.436	70	297

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1919.

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No. 322.—Wages and Hours of Labor, Etc.—Continued

IRON AND STEEL—Continued

Year	Bar mills															
	Stockers		Rollers		Roughers		Finishers		Hotbed men		Laborers		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913														
1919	60.2	0.216	59.3	0.985	59.8	0.436	59.6	0.350	60.3	0.217	62.5	0.169	100	100
1920	63.7	.524	61.3	1.821	60.7	.933	61.6	.766	59.4	.545	66.1	.443	[2]	[2]
1922	61.5	.612	59.5	1.949	57.8	1.034	60.0	.866	58.8	.618	65.1	.506	100	248
1924	59.2	.420	58.4	1.416	57.3	.709	57.9	.638	58.3	.439	64.5	.316	100	169
1926	56.0	.502	53.9	1.577	54.7	.810	54.0	.749	53.8	.538	57.5	.392	90	203
1929	54.2	.519	53.2	1.699	53.2	.847	53.0	.848	53.0	.556	55.0	.411	89	205
1931	53.5	.530	55.0	1.822	55.8	.887	53.9	.952	54.5	.601	56.0	.399	90	217
	54.2	.455	55.4	1.542	56.7	.791	54.4	.864	54.1	.578	54.2	.394	89	204

Year	Tin-plate mills													
	Rollers		Roughers		Doublers, hand		Heaters, level-handed		Tinners, hand		Assorters, female		General index[1]	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour		
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1913	42.7	1.139	42.7	0.533	42.7	0.740	42.7	0.595	43.6	0.433	53.7	0.163	100	100
1919	42.7	2.248	42.7	1.193	42.7	1.408	42.7	1.273	43.0	.977	48.5	.417	[2]	[2]
1920	42.7	2.542	42.7	1.363	42.7	1.655	42.7	1.465	42.9	1.114	46.9	.465	110	228
1922	42.7	1.701	42.7	.893	42.7	1.046	42.7	1.001	43.3	.795	43.3	.365	108	156
1924	42.7	2.099	42.7	1.150	42.7	1.243	42.7	1.229	43.4	.976	43.6	.422	106	191
1926	42.7	1.635	42.7	.902	42.7	.787	42.7	.917	43.5	.840	43.4	.384	104	169
1929	42.7	1.778	42.7	1.014	42.7	.912	42.7	.982	42.7	.907	46.1	.369	103	176
1931	42.7	1.737	42.7	.989	42.7	.883	42.7	.942	42.7	.899	45.5	.380	102	171

GENERAL INDEXES FOR OTHER BRANCHES—IRON AND STEEL

Year	Bessemer converters		Puddling mills		Blooming mills		Plate mills		Standard-rail mills		Sheet mills	
1913	100	100	[3]	[3]	100	100	100	100	100	100	100	100
1920	100	238	101	270	92	249	98	263	86	249	96	215
1922	98	165	98	151	93	178	95	187	87	185	98	144
1924	75	220	105	220	75	231	82	220	81	226	96	168
1926	75	226	98	200	74	237	80	238	78	234	94	157
1929	77	226	95	209	75	251	83	251	79	247	94	164
1931	76	234	100	181	72	251	81	246	77	241	91	155

MOTOR VEHICLES[4]

Year	Assemblers, chassis and final, males		Assemblers, motor, males		Gear-cutter operators, males		Grinding-machine operators, males		Tool and die makers, males		Employees in all occupations			
											Males		Females	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1922	50.3	0.644	50.0	0.661	50.2	0.678	50.0	0.710	50.0	0.769	50.1	0.662	50.3	0.438
1925	50.0	.721	49.8	.747	50.6	.746	50.1	.765	50.2	.875	50.3	.729	50.1	.467
1928	49.7	.768	50.1	.762	49.5	.760	48.8	.792	48.8	.919	49.4	.756	50.3	.487
1930	48.0	.681	48.8	.725	48.3	.740	47.6	.780	49.9	.887	48.7	.733	50.6	.436

FOUNDRIES[4]

Year	Core makers, males		Core makers, females		Laborers, males		Molders, hand, floor, males		Pattern makers, males		Employees in all occupations			
											Males		Females	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	51.4	0.690	49.2	0.431	53.5	0.428	51.2	0.729	51.1	0.750	52.4	0.560	49.3	0.404
1925	50.3	.734	48.6	.444	52.5	.481	50.4	.802	50.4	.804	51.5	.612	49.0	.427
1927	50.4	.755	48.4	.491	52.1	.491	49.9	.820	50.3	.830	51.1	.626	49.0	.459
1929	49.9	.744	49.1	.469	52.1	.490	50.0	.828	50.1	.833	51.0	.625	49.7	.451
1931	50.0	.706	48.6	.430	50.8	.460	50.0	.782	49.3	.834	50.3	.601	48.7	.422

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[2] Not available. Data were collected for a group of selected occupations only in 1919.
[3] No data.
[4] Data are available only for the years specified, see head note.

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No. 322.—Wages and Hours of Labor, Etc.—Continued

MACHINE SHOPS[4]

Year	Assemblers, males		Fitters and bench hands, males		Laborers, males		Lathe hands and operators, engine, males		Machinists, males		Employees in all occupations			
											Males		Females	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1923	50.6	0.575	49.9	0.616	51.1	0.418	50.9	0.633	50.0	0.683	50.8	0.560	49.1	0.366
1925	49.6	.634	49.8	.643	50.6	.456	50.3	.663	49.9	.702	50.4	.604	49.3	.420
1927	50.1	.653	49.5	.662	50.4	.456	50.2	.695	49.5	.728	50.1	.629	48.9	.403
1929	50.1	.657	49.8	.677	50.5	.469	50.3	.717	49.8	.739	50.3	.641	49.3	.399
1931	49.9	.656	49.5	.666	50.3	.455	50.0	.706	49.0	.733	49.8	.637	49.2	.408

LUMBER

Year	Doggers		Setters		Sawyers, head, band		Edgermen		Trimmer operators		Laborers		General index[1]	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	(5)	(5)	(5)	(5)	61.2	0.543	61.2	0.255	61.0	0.209	61.3	0.166	100.3	97.3
1913	61.2	0.184	61.0	0.258	60.9	.557	61.0	.268	61.0	.217	61.1	.171	100.0	100.0
1915	61.3	.178	61.2	.239	61.0	.539	61.0	.252	61.1	.203	61.3	.157	100.0	91.4
1919	57.8	.358	57.0	.446	57.5	.768	57.5	.450	57.3	.405	57.1	.345	91.8	194.6
1921	58.1	.306	57.6	.412	57.8	.797	57.5	.437	57.0	.380	57.2	.285	93.6	166.5
1923	57.6	.343	57.0	.474	57.0	.883	57.1	.492	56.9	.430	57.5	.310	93.8	180.5
1925	58.2	.332	57.5	.458	57.7	.877	57.8	.468	57.7	.409	57.5	.309	93.8	178.0
1928	57.6	.335	56.5	.468	56.7	.887	56.7	.470	55.8	.429	56.9	.303	91.3	184.9
1930	57.9	.306	56.5	.451	55.9	.886	56.4	.461	55.8	.398	56.6	.291	91.2	179.0

FURNITURE

Year	Assemblers and cabinet makers, male		Carvers, hand, male		Carvers, machine, male		Machine, hands, male		Upholsterers, male		Veneerers, male		General index[1]	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		
1910	58.0	0.228	56.1	0.313	(3)	(3)	58.7	0.212	55.0	0.297	58.8	0.200	101.4	98.6
1912	58.1	.223	56.3	.313	(3)	(3)	58.5	.211	56.4	.291	58.3	.213	101.4	97.3
1913	55.2	.227	55.2	.317	(3)	(3)	57.8	.217	56.2	.295	57.3	.217	100.0	100.0
1915	57.1	.235	55.5	.322	56.6	0.286	57.5	.223	55.3	.312	57.0	.218	99.5	103.2
1929	52.1	.560	48.6	.956	51.1	.765	52.4	.512	50.1	.724	52.5	.454	89.9	236.3
1931	51.9	.445	49.7	.745	51.7	.576	52.1	.428	50.3	.538	52.5	.376	89.8	198.2

SLAUGHTERING AND MEAT PACKING

Year	Cattle killing												Hog killing	
	Headers, male		Leg breakers, male		Floormen or siders, male		Gutters and bung droppers, male		Splitters, male		Laborers, male		Stickers, male	
		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.		Dolls.
1917	(3)	0.384	(3)	0.318	(3)	0 563	(3)	0.319	(3)	0.591	(3)	0.238	(3)	0.357
1921	47.6	6.645	47.8	6.574	48.0	6.848	47.8	6.578	47.8	6.855	47.8	6.471	49.6	6.611
1923	52.1	.627	52.8	.529	52.6	.849	52.5	.554	52.5	.857	52.2	.436	53.0	.652
1925	50.0	.641	49.9	.558	49.9	.856	50.1	.575	50.0	.855	50.2	.442	51.8	.627
1927	49.0	.662	49.1	.556	49.2	.877	49.0	.587	49.1	.876	49.4	.451	50.3	.631
1929	48.8	.644	48.7	.580	48.7	.882	48.9	.598	48.7	.879	48.6	.466	50.0	.645
1931	49.1	.592	48.7	.512	48.9	.800	49.1	.517	48.9	.780	49.0	.408	50.0	.565

[1] Covers all occupations of industry or branch of industry indicated, including those not shown.
[3] No data.
[4] Data are available only for years specified, see head note.
[5] Data for doggers and setters not shown separately prior to 1911.
[6] Not including data for 1 establishment in which employees are paid biweekly.

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No. 322.—Wages and Hours of Labor, Etc.—Continued

SLAUGHTERING AND MEAT PACKING—Continued

Year	Hog killing—Continued										All departments [7]			
	Scalders, male [6]		Shavers and scrapers, male		Gutters, bung droppers, and rippers-open, male		Splitters, male		Laborers, male [9]		All males		All females	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
1917	[3]	0.295	[3]	0.290	[3]	0.337	[3]	0.364	[3]	0.237	[3]	0.271	[3]	0.178
1921	48.8	[6].516	48.9	[6].502	48.7	[6].584	48.8	[6].621	48.8	[6].451	48.4	[6].511	48.3	[6].365
1923	52.1	.496	52.5	.497	52.4	.572	52.3	.627	52.2	.444	52.2	.499	52.8	.361
1925	51.9	.514	51.4	.523	51.9	.590	51.5	.635	51.7	.433	50.2	.507	49.4	.359
1927	50.5	.521	50.6	.535	50.4	.589	50.1	.630	51.0	.442	49.3	.520	49.1	.364
1929	50.2	.516	49.9	.528	50.0	.602	49.9	.654	49.8	.443	49.3	.525	48.9	.369
1931	50.4	.475	50.1	.480	50.3	.527	49.8	.583	49.6	.400	49.2	.470	48.9	.321

[3] No data.
[6] Not including 1 establishment in which employees are paid biweekly.
[7] Includes cattle, hog, sheep, and calf killing, offal, hide, casing, cutting of fresh beef, cutting of fresh pork, lard and oleo oil, sausage, cured meat, canning, and maintenance and repair departments.
[8] Includes tubmen, droppers, gamb cutters, polemen, and duckers.
[9] Includes drivers, penners, steamers, singers, washers, aitchbone breakers, and toe pullers.

Source: Bureau of Labor Statistics, Department of Labor.

No. 323.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN SUNDRY MANUFACTURING INDUSTRIES

Note.—The averages for wages are weighted according to the relative importance of the different occupations in the industry. Data are available only for the years specified

Year and industry	Hours, average		Wages, average	
	Males	Females	Males	Females
1923			*Cents*	*Cents*
Automobile tire	49.6	49.0	74.1	46.0
Paper and pulp mills:				
Pulp	52.8	49.7	46.9	33.4
Book paper	51.4	51.5	52.7	31.9
Newsprint	49.3	50.3	58.9	32.9
Wrapping paper	52.4	52.7	52.8	30.2
Writing paper	51.3	51.2	55.1	37.9
1925				
Paper box board	54.3	53.9	51.8	28.3
Potteries:				
Semivitreous	(1)	(1)	70.5	38.5
Vitreous	(1)	(1)	63.8	32.9
1927				
Aluminum, brass, and copper wares	52.2	52.6	57.9	35.5
Brass and copper sheet, rod, tube, wire and shape mills	53.8	54.7	55.6	34.8
Batteries and small motors:				
Dry cell	49.5	49.3	54.1	41.6
Storage	48.6	49.2	69.8	39.2
Motors (1 H. P. or less)	48.9	48.0	64.2	42.9
1927—Continued				
Cotton compresses	56.2	[2] 55.9	31.6	[2] 13.2
Cottonseed-oil mills	70.9	(3)	24.0	(3)
Cotton gins	66.2	(3)	29.3	(3)
Radio manufacture:				
Receiving sets	48.5	48.3	59.0	38.4
Speakers	48.4	46.8	55.5	39.9
Tubes	48.9	48.5	60.2	40.7
1929				
Aircraft engines	48.9	(3)	70.6	(3)
Airplanes	47.9	47.3	66.9	38.0
Portland cement	60.8	52.0	51.8	38.9
1930				
Cane-sugar refining	59.3	51.5	47.2	28.9
Cigarettes	49.9	49.9	37.8	26.8
Dyeing and finishing of textiles	51.0	50.5	47.3	33.5
Rayon and other synthetic textiles	51.1	49.0	50.4	34.4
1931				
Bakeries, bread	55.0	50.1	55.3	29.8
Bakeries, cake	51.8	50.1	48.6	27.5
Filling stations	60.0	-------	39.3	-------
Motor vehicle repair, garages	53.4	-------	57.9	-------

[1] The normal or customary hours of operation of the great majority of the potteries included in the study are 9 hours per day and 54 hours per week. Working hours in a pottery, however, are more nominal than normal, as so many employees are pieceworkers and to quite an extent determine their own time.
[2] All female workers were "Colored."
[3] No females employed in the plants covered.
Source: Bureau of Labor Statistics, Department of Labor.

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No. 324.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN THE PETROLEUM INDUSTRY, 1929

NOTE.—The four States shown accounted for about 85 per cent of the total petroleum production in the United States in 1928. The "general average," which covers all occupations of the industry indicated, including those not shown separately, is weighted according to the relative importance of the occupations

District	Oil wells													
	Derrick men		Drillers		Drillers' helpers and clean-outs' helpers		Engineers and pumpers		Firemen		Laborers, roustabouts, and connection men		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
		Dolls.		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*		*Dolls.*
California	48.0	0.991	48.0	1.369	48.0	0.888	48.0	0.812	48.0	0.769	48.0	0.734	48.0	0.917
Louisiana, northern	70.5	.511	75.6	.819	76.5	.438	71.3	.494	79.8	.468	67.3	.472	69.9	.522
Louisiana, southern	65.9	.562	68.2	.954	66.9	.496	72.2	.516	70.3	.521	63.6	.488	66.7	.572
Oklahoma	84.0	.602	74.5	1.080	66.5	.616	73.8	.454	78.0	.486	56.5	.522	62.6	.553
Texas, Gulf	60.4	.582	61.1	.969	59.2	.533	76.2	.479	69.8	.512	53.8	.519	62.5	.585
Texas, other	76.2	.505	80.3	.881	77.4	.501	81.5	.435	82.1	.479	65.0	.491	67.4	.535

District	Pipe lines													
	Engineers and pumpers		Firemen		Gaugers		Laborers, roustabouts, and connection men		Line walkers		Telegraph operators		General average	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
California	48.0	0.871	48.0	0.799	48.0	0.900	48.0	0.704	48.0	0.745	------	------	48.0	0.803
Louisiana [1]	57.4	.673	53.6	.630	59.5	.726	55.1	.437	57.4	.604	50.1	0.668	55.5	.612
Oklahoma	58.3	.694	51.1	.711	64.1	.698	55.4	.456	56.5	.613	48.4	.720	56.3	.590
Texas, Gulf	55.5	.666	55.4	.605	53.9	.694	55.5	.479	56.4	.632	50.1	.690	55.2	.577
Texas, other	57.1	.681	55.3	.629	61.5	.661	61.9	.493	69.8	.565	52.6	.666	60.4	.591

[1] Northern and southern Louisiana districts combined to avoid disclosing the identity of establishments.

No. 325.—WAGES PER HOUR AND HOURS OF LABOR PER WEEK IN MINING INDUSTRIES

NOTE.—Nearly all coal mines operate on a 48-hour week, but contract miners and their laborers in anthracite mines, and loaders, hand or pick miners, and machine miners in bituminous mines, generally work less hours. General averages are weighted according to relative importance of the different occupations. Data are not collected annually, but at intervals, and are available only for the years specified

Industry and occupation	1924	1931
Metalliferous mines:		
Average hours—		
General average	53.0	51.6
Drilling-machine operators—		
Company	51.4	49.5
Contract	48.6	49.1
Muckers	52.7	50.2
Timbermen	51.5	48.7
Topmen	55.3	54.9
Trammers	50.9	48.9
Average wages—	*Cents*	*Cents*
General average	55.9	55.9
Drilling-machine operators—		
Company	59.4	64.6
Contract	72.9	69.4
Muckers	55.4	50.5
Timbermen	60.4	60.2
Topmen	42.8	40.0
Trammers	55.0	52.4

Industry and occupation	1922	1924	1926	1929	1931
Anthracite: [1]					
Average wages—	*Cents*	*Cents*	*Cents*	*Cents*	*Cents*
General average	79.5	85.7	------	------	82.4
Company miners	69.7	79.5	------	------	76.9
Laborers	62.9	69.6	------	------	68.5
Contract miners	117.3	143.2	------	------	118.0
Laborers	82.9	97.1	------	------	83.3
Drivers	58.0	63.2	------	------	64.5
Trackmen	67.5	74.1	------	------	74.0
Bituminous coal:					
Average wages—					
General average [2]	85.3	78.8	76.3	65.9	59.8
Brakemen [1]	77.9	71.0	68.7	59.6	57.6
Drivers [1]	82.4	74.8	70.8	63.7	60.2
Loaders, hand [3]	90.2	81.1	77.9	64.8	56.1
Miners, hand or pick [3]	84.0	80.8	78.3	67.3	58.9
Miners, machine [3]	127.4	116.3	119.5	101.8	94.0
Trackmen [1]	82.6	73.7	70.5	63.5	60.8

[1] Based on hours actually worked, excluding lunch time.
[2] Based on a combination of hours at place of work in mine, including lunch time for loaders and miners, and hours actually worked for all other employees.
[3] Based on hours actually worked, plus lunch time.

Source of Tables 324 and 325, Bureau of Labor Statistics, Department of Labor.

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No. 326.—AVERAGE HOURLY WAGE RATES PAID COMMON LABOR

NOTE.—Rates in cents per hour. Data are based on entrance rates paid unskilled adult males in important industries requiring considerable numbers of common laborers. Some establishments reported two rates—one for the 10-hour and one for the 8-hour day, or one for white and one for colored or Mexican workers; these distinctions have not been maintained in the tabulated data, although it is apparent that the lowest rates are shown for those geographic divisions where there are large numbers of colored or Mexican workers, and the highest, for localities where an 8-hour day is more or less prevalent

Industry and geographic division	1926		1927		1928		1929		1930	1931
	Jan. 1	July 1	Jan. 1	July 1	Jan. 1	July 1	Jan. 1	July 1	July 1	July 1
Industries reporting	[1] 40.2	42.8	43.2	42.6	43.0	44.9	45.0	43.7	43.1	41.2
Automobiles	46.6	46.1	45.6	46.3	50.5	57.2	55.9	49.9	48.2	57.7
Brick, tile, and terra cotta	41.7	40.7	40.2	42.2	38.0	39.4	37.8	37.8	38.0	33.9
Cement	40.4	40.1	39.6	39.2	38.3	37.2	37.9	37.8	37.9	37.2
Electrical machinery, apparatus and supplies	41.5	43.1	43.0	44.2	44.9	46.0	45.7	45.9	44.8	42.9
Foundry and machine-shop products	36.7	37.1	38.7	37.8	38.1	38.4	39.4	39.8	39.0	38.2
Iron and steel	41.4	42.7	42.7	43.2	42.6	42.5	42.5	42.5	42.1	41.8
Leather	40.7	40.9	43.1	41.4	42.1	42.3	42.1	42.2	41.9	39.1
Lumber (sawmills)	30.6	33.6	33.4	32.2	31.0	31.7	30.8	32.0	31.6	27.7
Paper and pulp	40.5	42.8	43.8	42.5	44.2	44.3	43.1	44.0	43.2	37.2
Petroleum refining	49.1	47.9	46.4	44.0	44.5	45.4	48.0	45.7	48.1	47.5
Slaughtering and meat packing	41.2	41.5	41.9	41.7	41.8	42.2	41.2	42.0	41.8	41.7
Public utilities [2]	40.6	42.0	39.4	39.8	41.2	42.9	41.9	42.8	44.6	44.6
General contracting [3]	([4])	47.1	49.8	48.2	48.2	47.4	48.6	48.3	47.0	42.6
United States	[1] 40.2	42.8	43.2	42.6	43.0	44.9	45.0	43.7	43.1	41.2
New England	41.7	47.1	47.4	46.7	47.3	48.2	46.4	48.0	49.5	45.4
Middle Atlantic	42.6	45.1	46.8	47.2	48.7	47.8	47.6	46.4	46.1	45.1
East North Central	45.0	48.0	47.6	46.7	47.4	51.6	52.2	48.4	47.0	45.2
West North Central	39.4	40.1	41.0	40.6	41.1	41.3	41.0	41.8	40.6	42.9
South Atlantic	33.8	32.8	33.0	31.5	29.4	29.4	29.2	30.2	32.1	28.9
East South Central	26.3	27.6	27.0	27.0	26.7	26.0	26.3	26.8	26.7	25.2
West South Central	29.6	32.5	32.4	31.8	30.9	33.8	32.9	35.6	33.0	29.9
Mountain	40.3	44.4	46.3	44.4	43.7	44.0	45.1	44.9	45.2	43.1
Pacific	45.6	45.9	46.2	46.5	46.6	46.9	48.4	47.9	47.6	43.5

[1] Excludes data for "General contracting."
[2] Includes street railways, gas works, waterworks, and electric power and light plants.
[3] Includes building, highway, public works, and railroad construction.
[4] Data not available.

No. 327.—WAGES OF COMMON LABOR IN ROAD BUILDING: CENTS PER HOUR

NOTE.—The current data beginning January, 1922, are compiled directly from Federal-aid project reports. Earlier data included reports on farm labor or other forms of common labor closely correlated, as reported to the Department of Agriculture and the Department of Labor

Year and month	United States, average	New England	Middle Atlantic	South Atlantic	East South Central	West South Central	East North Central	West North Central	Mountain	Pacific
1915	20	20	20	14	12	16	21	25	26	26
1916	23	25	24	16	13	17	24	28	29	28
1917	28	31	30	21	17	21	29	34	36	36
1918	36	39	38	27	23	28	39	45	44	45
1919	41	41	41	32	28	36	43	53	47	52
1920	49	49	50	37	32	40	53	62	55	60
1921	36	38	35	26	25	28	35	45	46	50
1922	32	39	37	21	20	24	31	31	37	48
1923	38	51	45	25	22	25	39	34	42	54
1924	38	50	45	28	24	27	40	36	41	52
1925	38	46	45	27	25	27	37	38	44	52
1926	39	50	46	30	25	27	38	36	43	52
1927	39	49	47	28	25	30	39	38	45	53
1928	40	50	44	26	26	28	39	38	46	53
1929	39	51	43	27	26	31	40	38	46	53
1930	39	50	42	25	25	28	38	37	47	53
1931	36	45	38	21	20	23	37	36	45	51
1930										
March	39	52	44	25	27	28	38	37	46	53
June	40	49	43	26	25	28	38	37	48	54
September	40	50	42	23	24	27	38	37	48	53
December	37	51	41	22	22	28	37	37	45	51
1931										
March	37	48	41	24	21	23	41	37	44	52
June	37	44	36	21	20	20	36	36	46	51
September	34	43	36	20	18	24	36	35	46	50
December	33	43	38	21	18	23	40	36	47	51

Sources: Table 326, Bureau of Labor Statistics, Department of Labor; Table 327, Bureau of Public Roads, Department of Agriculture.

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No. 328.—FEDERAL RESERVE BOARD INDEXES OF EMPLOYMENT AND PAY ROLLS IN MANUFACTURING INDUSTRIES: REVISED SERIES

NOTE.—**Monthly average, 1923–1925=100.** Indexes are corrected for trend shown by biennial census data and are somewhat more comprehensive than those shown in Table 329. They are without seasonal adjustment. For details see Federal Reserve Board Bulletin for November, 1929, pages 706–716

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1921	81.3	82.7	83.1	82.1	82.2	81.3	79.9	81.4	83.3	84.0	84.2	83.3	82.4
1922	82.6	84.4	85.6	85.4	87.6	89.5	87.0	90.3	93.6	96.5	98.5	100.0	90.1
1923	100.6	102.4	104.9	105.2	105.3	105.9	104.8	105.5	105.9	104.8	103.4	101.3	104.2
1924	99.9	101.1	101.4	99.7	96.3	93.4	90.5	91.8	94.3	95.1	94.6	95.9	96.2
1925	96.4	98.2	99.5	99.3	98.4	98.2	98.1	99.8	102.0	102.4	101.9	101.6	99.6
1926	100.8	101.9	102.6	101.9	100.9	100.7	99.3	101.1	103.4	103.2	101.2	100.0	101.4
1927	98.1	99.7	100.4	99.8	99.1	99.0	98.0	99.2	100.6	99.3	96.9	95.4	98.8
1928	94.2	95.7	96.6	96.0	95.7	96.2	95.7	98.3	100.3	100.2	98.8	98.1	97.2
1929	97.4	99.8	101.4	102.1	101.9	102.0	102.1	104.0	105.4	103.3	98.9	95.2	101.1
1930	93.2	93.3	93.1	92.6	90.9	88.8	85.5	85.1	86.4	84.3	81.0	78.8	87.8
1931	76.4	77.3	78.1	77.9	77.1	75.0	73.8	74.2	74.7	71.4	68.7	67.9	74.4
PAY ROLLS													
1921	84.0	82.3	82.4	79.6	78.0	76.1	72.2	74.4	73.9	73.1	72.0	73.6	76.8
1922	69.7	72.7	74.8	73.8	77.2	80.4	77.6	82.4	86.5	89.4	93.1	95.6	81.1
1923	94.1	97.8	102.8	103.9	107.3	107.5	103.2	104.2	104.8	107.2	104.9	103.1	103.4
1924	98.4	103.6	103.8	101.4	96.8	91.7	85.1	88.9	92.3	95.2	93.5	97.6	95.7
1925	95.4	100.9	103.0	100.4	100.7	98.7	97.1	99.4	99.4	105.2	105.1	105.5	100.9
1926	101.2	105.6	107.4	105.3	103.8	103.8	99.3	103.6	105.0	108.3	104.6	103.8	104.3
1927	98.6	104.8	106.3	105.0	104.3	102.4	98.6	102.2	101.9	102.5	98.4	99.4	102.0
1928	95.7	101.1	102.5	100.3	100.8	100.9	98.3	102.5	104.2	107.4	103.6	104.2	101.8
1929	100.8	108.1	110.8	111.4	111.4	109.7	105.7	110.6	111.9	110.9	102.5	99.1	107.7
1930	94.4	97.7	98.2	97.1	94.4	90.7	82.6	81.7	83.0	80.8	75.1	73.7	87.4
1931	68.4	73.2	74.9	73.6	72.2	67.6	64.4	64.3	61.8	59.4	56.2	55.8	66.0

No. 329.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING INDUSTRIES

NOTE.—**Monthly average 1926=100.** Indexes are based on returns from 14,000 establishments in 54 principal industries shown in Table 333, employing approximately 3,000,000 persons for 1931. Returns cover one pay period ending on or about the 15th, in each month. Indexes are weighted according to the relative importance of the industries included; they are without seasonal adjustment. See also Table 328

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
EMPLOYMENT													
1926	100.4	101.5	102.0	101.0	99.8	99.3	97.7	98.7	100.3	100.7	99.5	98.9	100.0
1927	97.3	99.0	99.5	98.6	97.6	97.0	95.0	95.1	95.8	95.3	93.5	92.6	96.4
1928	91.6	93.0	93.7	93.3	93.0	93.1	92.2	93.6	95.0	95.9	95.4	95.5	93.8
1929	95.2	97.4	98.6	99.1	99.2	98.8	98.2	98.6	99.3	98.3	94.8	91.9	97.5
1930	90.2	90.3	89.8	89.1	87.7	85.5	81.6	79.9	79.7	78.6	76.5	75.1	83.7
1931	73.1	74.1	74.8	74.5	74.1	72.2	70.4	70.0	69.6	67.3	65.4	65.3	70.9
PAY ROLLS													
1926	98.0	102.2	103.4	101.5	99.8	99.7	95.2	98.7	99.3	102.9	99.6	99.8	100.0
1927	94.9	100.6	102.0	100.8	99.8	97.4	93.0	95.0	94.1	95.2	91.6	93.2	96.5
1928	89.6	93.9	95.2	93.8	94.1	94.2	91.2	94.2	95.4	99.0	96.1	97.7	94.5
1929	95.5	101.8	103.9	104.6	104.8	102.8	98.2	102.1	102.6	102.3	95.1	92.0	100.4
1930	87.6	90.7	90.8	89.8	87.6	84.1	75.9	73.9	74.2	72.7	68.3	67.4	80.3
1931	62.3	67.0	68.5	67.4	66.6	62.5	59.1	58.5	55.4	53.7	51.0	50.9	60.2

No. 330.—MANUFACTURING ESTABLISHMENTS: AVERAGE PERCENTAGE OF FULL TIME OPERATION, ACTIVE ESTABLISHMENTS ONLY

NOTE.—Statistics cover the same industries as Table 329, but the reports are somewhat less complete, as all establishments do not report plant-operating time. For the average percentage of normal full force employed, 1925–1930, see 1931 issue of this publication

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1925	92	93	93	92	92	92	92	94	93	94	94	94
1926	93	94	94	93	93	92	96	97	98	98	97	97
1927	96	97	97	97	97	96	97	97	97	97	96	96
1928	96	96	96	96	96	97	96	97	97	98	97	98
1929	97	98	98	98	98	98	97	98	98	98	97	96
1930	95	95	95	94	94	93	91	91	92	92	90	90
1931	89	90	91	91	90	89	89	89	88	88	87	87

Sources: Table 328, Federal Reserve Board; Tables 329 and 330, Bureau of Labor Statistics, Department of Labor.

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No. 331.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: By Geographic Divisions

NOTE.—Monthly average 1926=100. Figures are unweighted relative numbers. As to scope of reports on which indexes are based see head note Table 329

Year and month	New England	Middle Atlantic	East North Central	West North Central	South Atlantic	East South Central	West South Central	Mountain	Pacific
	Employment								
1926									
March	104.4	102.1	103.6	99.0	102.1	102.8	98.8	95.6	96.5
June	98.4	99.2	99.9	100.1	98.1	98.6	100.5	103.1	102.5
September	99.1	99.7	100.9	102.0	100.6	98.7	101.2	103.4	101.8
December	99.5	98.9	94.1	98.2	101.4	97.2	99.8	100.4	97.8
1927									
March	99.4	97.8	99.0	96.6	102.9	95.4	97.4	93.0	97.0
June	95.3	94.0	97.7	99.5	100.9	93.0	94.9	99.0	101.7
September	95.5	93.6	94.5	98.9	101.8	92.6	95.3	98.2	100.7
December	92.0	90.6	91.5	93.3	99.9	92.0	90.8	93.4	94.6
1928									
March	90.9	89.4	100.1	96.0	100.0	91.8	89.6	90.0	93.8
June	85.8	88.3	102.7	98.7	96.5	90.0	89.0	97.2	99.3
September	88.0	89.4	107.5	97.1	98.2	90.8	92.1	97.6	101.5
December	91.6	91.1	104.2	96.1	99.0	91.3	90.2	95.3	95.5
1929									
March	92.8	94.0	113.4	97.3	101.6	93.1	93.0	92.2	94.3
June	91.3	95.3	112.3	100.6	100.3	91.8	93.2	101.7	101.2
September	92.5	96.5	110.7	101.9	100.2	93.9	99.8	100.3	100.8
December	87.2	91.3	93.8	94.8	97.2	88.1	93.4	94.4	92.8
1930									
March	84.4	89.0	95.1	93.9	96.4	84.5	88.4	85.5	86.6
June	78.8	84.0	91.5	90.9	91.9	78.9	83.4	89.2	86.4
September	75.0	81.7	81.2	86.1	87.3	73.3	77.0	79.7	81.0
December	71.6	77.0	76.8	81.9	83.5	68.6	70.2	74.7	72.5
1931									
March	73.0	74.8	77.0	77.7	83.2	68.6	67.8	67.6	69.5
June	70.8	71.0	74.6	76.8	81.8	67.4	66.3	71.8	70.4
September	69.5	69.8	69.1	74.3	81.3	64.7	61.1	67.5	67.2
December	63.2	66.7	65.2	71.7	78.5	62.6	58.0	53.7	59.8
	Pay-roll totals								
1926									
March	106.7	103.2	106.5	100.4	103.1	103.8	97.6	97.2	97.2
June	97.4	99.6	100.2	102.2	97.4	98.7	100.5	104.3	104.6
September	98.2	99.4	99.4	101.2	99.6	97.0	100.8	101.0	101.2
December	100.1	100.4	92.1	96.4	104.0	99.3	102.9	102.6	99.0
1927									
March	101.5	99.8	102.9	96.5	104.1	98.1	100.3	97.6	99.0
June	96.0	94.1	97.4	99.9	100.3	93.7	98.5	102.1	104.0
September	96.7	92.3	91.7	96.8	99.9	91.8	98.0	97.9	100.5
December	92.0	90.6	92.3	92.1	99.4	91.1	94.7	91.2	97.9
1928									
March	90.2	90.6	105.4	97.4	99.5	91.9	93.0	94.1	96.6
June	86.1	89.0	105.7	100.5	95.9	89.3	91.6	99.8	101.8
September	90.5	89.8	109.7	97.0	97.1	88.3	95.4	100.1	101.6
December	95.3	93.5	106.7	94.9	100.9	93.0	95.3	98.7	96.6
1929									
March	97.4	97.9	121.8	99.3	104.3	93.1	100.5	98.4	96.3
June	95.0	98.8	117.6	103.1	103.1	92.0	99.9	106.2	104.2
September	96.7	99.6	113.1	104.5	102.1	94.8	109.9	105.1	102.5
December	86.8	93.5	89.8	94.7	99.4	87.3	102.4	102.3	96.0
1930									
March	83.3	90.6	95.4	95.4	98.1	84.6	97.3	91.9	89.7
June	75.1	82.8	89.3	90.8	91.4	77.3	92.1	93.9	90.2
September	70.2	77.7	71.2	82.7	83.4	68.1	81.8	80.6	78.5
December	64.6	69.7	64.5	77.2	79.2	62.6	72.4	75.5	67.4
1931									
March	66.9	68.4	68.4	73.4	78.7	63.6	69.6	68.5	65.3
June	62.0	61.3	62.4	71.9	74.5	59.0	65.8	77.5	64.4
September	56.9	56.7	49.6	64.5	69.7	51.3	58.3	68.3	56.0
December	50.6	52.2	48.8	61.6	64.4	48.1	52.7	52.6	47.3

Source: Bureau of Labor Statistics, Department of Labor.

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No. 332.—EMPLOYMENT AND PAY-ROLL INDEXES IN MAJOR GROUPS OF MANUFACTURING INDUSTRIES

NOTE.—Monthly average 1926=100. Combined index for each group is weighted according to relative importance of industries covered. See also headnote Table 329

Yearly average and month	Food products		Textile products		Iron and steel products		Other metal products		Lumber and products		Leather and products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	98.3	98.0	104.5	108.3	101.2	103.6	105.5	108.5	98.8	98.6	101.2	102.7
June	98.8	100.1	97.6	94.8	100.9	101.2	98.8	99.0	101.4	102.4	94.5	94.2
September	102.9	102.7	97.8	96.5	100.7	98.8	98.2	95.0	101.1	102.6	104.0	106.6
December	100.7	101.5	101.9	103.8	97.6	99.1	96.0	97.1	97.1	98.7	99.9	97.9
1927 average	99.4	100.0	101.3	103.0	93.2	91.9	92.9	91.6	91.9	93.1	97.9	97.4
March	97.1	97.0	104.2	109.4	98.2	100.6	97.0	99.4	91.3	92.7	101.4	102.5
June	101.0	102.8	99.9	100.3	94.5	94.4	93.0	92.9	92.5	94.9	94.4	94.0
September	102.6	102.2	100.9	103.1	91.3	87.1	91.2	87.3	93.7	95.9	101.1	103.6
December	100.1	100.9	100.6	102.3	86.6	85.2	88.2	88.4	87.9	90.1	91.8	87.1
1928 average	98.4	99.8	96.3	95.6	91.5	92.8	92.8	96.1	87.8	88.8	92.8	89.7
March	97.3	98.9	100.3	101.2	90.0	92.5	90.7	92.1	86.2	87.6	96.5	96.8
June	96.9	99.5	94.1	91.6	91.7	93.3	92.0	93.7	88.3	90.2	89.3	85.0
September	100.0	101.2	93.6	93.2	93.2	92.9	94.2	98.2	90.1	91.7	95.1	95.7
December	102.1	104.4	97.7	99.5	95.0	98.0	98.6	108.2	87.6	88.3	87.8	83.6
1929 average	99.4	101.7	97.0	97.2	98.9	102.6	97.6	102.8	87.9	88.9	92.8	89.9
March	97.4	98.6	99.9	104.3	99.2	105.2	101.9	112.3	86.2	86.8	91.8	88.2
June	98.9	102.7	97.3	97.3	101.7	106.8	98.9	104.6	89.8	90.7	88.5	86.8
September	102.1	105.3	97.1	97.8	100.7	104.2	96.2	100.6	91.4	94.9	98.4	100.7
December	100.3	102.8	93.5	90.7	93.2	92.7	88.7	87.4	81.2	81.2	89.1	81.4
1930 average	94.5	97.0	83.7	77.0	84.8	79.2	79.1	74.1	68.9	64.7	85.0	72.9
March	94.8	97.2	90.8	88.8	92.1	92.8	85.1	84.5	74.8	73.4	90.5	82.2
June	95.3	99.6	83.7	75.1	88.0	85.2	80.8	78.7	71.6	70.0	83.6	71.4
September	94.9	98.1	79.9	73.6	79.4	69.7	74.4	65.9	64.2	59.8	85.1	73.6
December	92.1	92.4	77.1	68.1	74.0	61.4	72.4	64.3	58.2	49.6	73.8	56.3
1931 average	88.3	85.7	77.3	65.7	66.2	49.9	68.0	55.5	51.9	40.8	79.2	62.7
March	87.9	86.9	81.0	75.4	72.6	62.0	71.3	64.0	54.1	45.4	82.3	70.9
June	88.1	87.2	77.5	65.5	67.4	52.0	69.3	57.9	54.1	43.9	78.8	64.5
September	89.4	85.1	78.3	65.0	62.1	41.1	66.4	50.1	50.7	39.5	83.3	65.4
December	87.7	80.5	72.8	55.8	58.8	38.0	63.6	46.8	44.7	30.6	72.4	48.6

Yearly average and month	Paper and printing		Chemicals and allied products		Stone, clay, and glass		Tobacco products		Vehicles		Miscellaneous products	
	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll	Employed	Pay roll
1926 average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
March	99.5	100.2	106.9	103.9	96.6	97.6	103.0	102.7	105.4	108.0	101.5	101.0
June	98.9	99.4	95.2	98.2	104.3	105.6	101.3	101.0	101.0	102.0	97.9	98.4
September	100.4	99.4	101.9	100.7	103.9	101.6	99.4	101.6	100.1	98.4	99.6	97.4
December	102.4	104.3	98.6	101.7	96.7	98.5	100.8	102.4	90.6	88.7	104.3	107.7
1927 average	100.1	101.2	96.6	99.1	94.5	94.2	98.1	97.1	90.8	91.6	99.5	100.9
March	100.8	102.4	106.7	108.1	95.1	96.6	97.5	93.6	94.6	98.4	105.9	109.3
June	98.8	99.6	91.8	98.2	99.3	99.2	98.8	100.1	93.3	92.5	102.0	102.9
September	99.8	100.2	95.3	96.8	95.3	93.4	102.6	104.2	89.6	87.9	94.4	91.5
December	101.7	104.9	91.9	96.5	89.1	89.0	98.7	100.2	85.0	87.1	93.4	97.9
1928 average	99.2	101.5	93.4	95.9	89.7	89.6	96.0	93.5	95.8	98.3	91.6	91.9
March	98.8	101.4	101.7	100.7	87.3	87.1	96.0	91.4	93.2	99.1	89.7	90.4
June	98.0	100.8	87.5	91.7	93.4	92.8	95.3	94.9	97.7	99.8	90.0	92.0
September	98.6	100.9	94.7	96.6	93.4	91.8	98.9	98.2	101.5	101.4	91.7	91.8
December	101.2	105.1	95.1	97.2	87.3	88.4	98.0	99.5	94.6	96.4	97.9	100.1
1929 average	101.3	108.0	99.4	102.3	86.6	85.3	93.6	92.8	99.8	105.2	110.7	112.3
March	100.1	106.4	103.2	102.5	84.0	83.3	94.2	89.2	106.9	117.2	107.4	112.6
June	100.2	105.2	94.4	99.9	90.7	90.8	93.5	93.6	103.1	109.8	115.3	118.5
September	102.9	107.7	101.6	105.2	90.5	89.6	95.9	98.6	99.9	104.8	114.7	115.1
December	103.8	109.4	98.8	103.0	79.6	78.7	91.4	94.0	83.7	84.1	106.2	108.1
1930 average	98.3	101.9	92.9	94.5	73.1	67.3	89.5	84.1	78.3	75.1	94.1	92.7
March	100.8	106.5	102.2	102.1	75.9	72.2	91.8	85.8	86.0	89.9	102.9	105.5
June	98.6	103.6	89.8	95.5	77.9	74.7	91.2	89.3	82.7	83.1	95.9	97.2
September	95.9	98.5	91.0	92.2	72.1	65.0	89.8	84.7	71.9	64.2	88.0	83.8
December	95.7	97.9	85.9	85.2	64.3	55.3	86.9	82.2	66.8	58.8	83.0	76.0
1931 average	90.5	89.0	77.7	75.7	59.7	47.9	81.3	69.3	61.9	53.4	75.1	65.3
March	92.4	94.5	82.2	80.6	61.1	53.1	85.0	72.4	67.8	63.5	79.4	72.4
June	90.2	89.6	75.3	75.2	64.9	53.6	81.7	72.6	65.3	58.0	76.5	68.3
September	88.4	83.9	74.3	71.8	59.8	45.4	81.4	66.4	59.2	44.3	71.2	57.8
December	88.4	84.4	71.0	66.7	51.7	36.9	73.7	62.5	55.5	45.7	69.0	56.0

Source: Bureau of Labor Statistics, Department of Labor.

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No. 333.—EMPLOYMENT AND PAY-ROLL INDEXES IN MANUFACTURING ESTABLISHMENTS: ANNUAL AVERAGES BY INDUSTRIES

NOTE.—**Monthly average 1926=100.** For general index of all industries and for group totals see Tables 329 and 332, respectively

Industry group and industry	Employment						Pay-roll totals					
	1926	1927	1928	1929	1930	1931	1926	1927	1928	1929	1930	1931
Food and kindred products:												
Slaughtering and meat packing	100.0	99.5	99.5	101.0	97.1	90.8	100.0	99.9	101.0	103.2	100.2	89.8
Confectionery	100.0	96.5	93.0	92.3	85.9	82.4	100.0	97.9	93.3	94.1	86.2	75.6
Ice cream	100.0	94.0	92.4	91.9	87.6	80.6	100.0	93.4	93.1	93.0	87.5	78.2
Flour	100.0	99.3	100.0	102.1	97.0	88.2	100.0	99.4	102.1	105.3	99.9	84.2
Baking	100.0	101.4	100.9	102.1	96.8	90.5	100.0	102.2	101.6	103.5	98.5	87.1
Sugar refining, cane	100.0	98.8	91.1	94.0	91.6	81.7	100.0	98.8	94.9	98.5	94.4	80.0
Textiles and products:												
Cotton goods	100.0	105.0	95.2	95.5	80.6	75.4	100.0	108.5	91.7	94.3	73.3	64.9
Hosiery and knit goods	100.0	99.0	94.7	98.1	87.5	81.3	100.0	102.2	97.3	104.3	84.6	69.9
Silk goods	100.0	98.4	96.9	98.0	86.5	73.9	100.0	99.2	100.2	100.9	81.7	64.5
Woolen and worsted goods	100.0	99.7	95.0	96.0	77.7	75.4	100.0	100.6	94.4	96.3	72.7	68.1
Carpets and rugs	100.0	102.5	101.0	106.8	81.9	72.2	100.0	104.1	95.9	101.4	66.0	57.2
Dyeing and finishing textiles	100.0	100.9	99.5	101.8	93.0	88.0	100.0	102.8	101.0	102.2	87.9	80.7
Clothing, men's	100.0	97.8	92.2	91.9	80.4	74.6	100.0	97.3	89.0	88.2	67.9	56.2
Shirts and collars	100.0	95.0	92.2	92.7	81.1	72.3	100.0	96.3	89.9	90.8	70.9	57.1
Clothing, women's	100.0	105.4	105.4	105.4	94.2	85.3	100.0	107.4	105.2	105.1	87.2	70.3
Millinery and lace goods	100.0	95.6	93.5	93.1	85.1	76.4	100.0	96.8	92.7	91.1	78.4	63.8
Iron and steel and products:												
Iron and steel	100.0	92.9	90.9	94.7	84.5	70.0	100.0	91.4	92.7	99.3	79.8	51.8
Cast-iron pipe	100.0	89.8	80.1	76.1	67.4	55.6	100.0	88.1	75.9	75.5	65.6	46.3
Structural ironwork	100.0	94.9	95.0	102.1	92.2	71.1	100.0	95.0	97.9	104.4	89.0	57.4
Foundry and machine-shop products	100.0	93.8	92.3	104.3	87.8	65.0	100.0	92.4	92.8	108.1	81.5	49.1
Hardware	100.0	92.2	88.9	91.9	78.8	65.3	100.0	90.9	88.4	93.7	68.5	47.4
Machine tools	100.0	92.8	100.8	129.8	98.7	62.6	100.0	92.2	107.5	139.8	90.2	48.4
Steam fittings and steam and hot-water heating apparatus	100.0	92.5	82.2	78.5	65.2	54.8	100.0	91.9	81.9	78.8	58.7	40.7
Stoves	100.0	91.2	87.6	90.8	74.3	60.6	100.0	90.4	84.7	87.3	64.1	44.7
Metal products:												
Stamped and enameled ware	100.0	88.9	88.8	90.4	77.9	70.6	100.0	90.6	90.4	91.1	71.8	58.8
Brass, bronze, and copper	100.0	94.5	94.4	101.1	79.7	66.7	100.0	92.0	98.0	107.4	74.9	54.2
Lumber and its products:												
Lumber, sawmills	100.0	91.0	86.7	85.9	67.7	48.3	100.0	92.4	88.0	86.9	65.0	37.1
Lumber, millwork	100.0	89.2	85.5	83.1	63.9	52.2	100.0	89.2	85.6	82.8	61.0	43.0
Furniture	100.0	96.1	92.5	95.9	75.2	61.0	100.0	98.2	93.2	97.0	66.6	46.6
Leather and its products:												
Leather	100.0	98.4	95.4	92.2	85.2	76.6	100.0	97.2	93.7	93.2	83.0	70.0
Boots and shoes	100.0	97.7	91.9	92.9	85.0	79.9	100.0	97.6	88.0	89.0	70.1	60.6
Paper and printing:												
Paper and pulp	100.0	97.5	94.4	95.5	91.3	80.8	100.0	96.6	94.9	98.2	89.8	70.3
Paper boxes	100.0	96.8	94.0	96.0	89.7	82.1	100.0	99.0	99.4	103.3	92.9	79.6
Printing, book and job	100.0	100.3	99.2	102.6	99.5	89.7	100.0	102.1	101.6	105.8	102.6	87.6
Printing, newspapers	100.0	103.4	105.2	108.3	108.5	105.6	100.0	104.6	107.4	112.8	112.3	106.6
Chemicals and allied products:												
Chemicals	100.0	100.0	99.3	103.2	94.3	85.6	100.0	103.7	103.3	107.1	94.1	81.7
Fertilizers	100.0	91.2	95.4	95.2	89.5	62.9	100.0	94.0	97.1	94.7	87.5	56.2
Petroleum refining	100.0	94.6	84.8	96.5	92.6	73.5	100.0	95.6	87.2	99.1	95.9	73.4
Stone, clay, and glass:												
Cement	100.0	95.8	87.7	81.1	74.1	59.2	100.0	96.5	88.3	81.0	71.5	50.4
Brick, tile, and terra cotta	100.0	94.3	84.9	80.5	63.1	46.8	100.0	94.1	82.8	76.9	55.3	32.6
Pottery	100.0	94.5	95.3	94.2	84.7	76.0	100.0	94.2	93.4	91.0	74.7	58.8
Glass	100.0	94.2	92.9	94.6	81.3	70.4	100.0	93.4	94.3	97.3	78.3	62.6
Tobacco products:												
Chewing and smoking tobacco and snuff	100.0	97.7	95.2	89.3	89.5	86.1	100.0	97.7	94.1	89.6	87.7	79.3
Cigars and cigarettes	100.0	98.1	96.0	94.2	89.5	80.7	100.0	97.0	93.4	93.2	83.7	68.1
Vehicles:												
Automobiles	100.0	91.2	111.3	116.9	83.7	67.7	100.0	90.3	114.4	118.7	74.6	53.0
Carriages and wagons	100.0	78.7	76.7	78.6	56.7	36.5	100.0	83.6	82.1	84.1	61.8	36.9
Car building and repairing—												
Electric-railroad	100.0	100.9	94.9	91.9	86.9	75.5	100.0	101.1	96.2	93.9	87.6	72.7
Steam-railroad	100.0	90.3	83.5	85.1	72.9	56.0	100.0	92.3	85.4	92.3	74.8	52.5
Miscellaneous:												
Agricultural implements	100.0	91.9	106.8	121.1	92.3	47.8	100.0	92.2	111.8	125.3	85.6	37.4
Electrical machinery, apparatus, and supplies	100.0	95.1	93.9	118.3	101.6	80.9	100.0	95.7	95.9	121.5	102.0	71.4
Pianos and organs	100.0	90.4	77.1	66.6	47.4	35.7	100.0	87.4	74.3	63.8	41.1	26.1
Rubber boots and shoes	100.0	103.3	101.1	97.6	80.2	66.3	100.0	107.7	101.0	99.3	74.2	50.0
Automobile tires	100.0	97.3	103.3	104.1	77.6	68.6	100.0	98.2	105.7	101.8	73.4	57.6
Shipbuilding	100.0	104.8	82.8	105.3	114.9	95.8	100.0	105.8	83.0	108.1	116.4	88.0

Source: Bureau of Labor Statistics, Department of Labor.

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No. 334.—INDEXES OF FACTORY EMPLOYMENT IN SPECIFIED STATES

[Index numbers for New Jersey and Pennsylvania, relative to monthly average of the years 1923–1925 as 100; for Massachusetts, New York, Illinois, and Wisconsin, monthly average of the years 1925–1927]

Year and month	Employees on pay roll						Amount of pay roll				
	Massachusetts [1]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]	New York [2]	New Jersey [3]	Pennsylvania [3]	Illinois [4]	Wisconsin [5]
1922	------	101.0	------	------	[6]101.9	88.9	87.8	------	------	[7] 96.7	75.5
1923	------	111.9	104.4	106.9	112.5	102.1	105.6	102.2	106.8	107.4	95.8
1924	------	102.0	96.6	95.5	103.1	97.3	97.9	96.0	94.7	95.3	93.0
1925	100.1	101.3	99.1	97.6	99.8	101.4	99.2	101.8	98.6	97.9	101.4
1926	102.0	101.4	101.7	100.7	103.1	101.7	102.0	108.1	104.4	104.2	102.2
1927	97.9	97.3	95.0	96.4	97.1	96.8	98.8	100.7	97.9	98.0	96.4
1928	91.6	93.4	88.5	92.7	95.3	96.2	95.4	93.4	93.6	95.2	98.1
1929	94.3	97.9	96.3	98.8	102.6	100.1	101.7	104.4	104.5	102.7	100.8
1930	81.7	86.0	86.4	90.4	88.4	87.8	85.6	92.3	87.6	79.1	80.1
1931	70.0	73.4	73.9	75.1	71.0	75.1	67.1	71.9	60.8	54.8	60.1
1926											
March	105.6	104.4	103.1	101.2	103.7	103.5	105.1	108.5	107.7	105.3	107.5
June	99.0	100.4	96.1	99.0	103.0	100.5	100.8	102.8	103.3	105.4	102.7
September	102.2	101.2	105.2	101.7	104.9	102.8	102.7	111.4	103.3	102.8	101.8
December	101.1	100.0	103.6	101.3	101.6	96.5	102.2	114.1	107.8	102.9	92.9
1927											
March	99.5	99.9	100.8	99.9	100.0	98.9	103.1	109.1	105.4	101.1	99.8
June	96.2	96.8	93.8	96.7	98.5	96.1	97.9	100.2	98.9	102.5	97.9
September	99.3	97.9	93.0	94.8	96.0	98.1	100.3	97.0	92.6	94.2	97.4
December	95.0	94.4	89.7	92.9	92.6	92.6	96.8	95.8	93.7	92.9	91.4
1928											
March	94.6	93.8	86.7	93.4	94.2	94.6	96.4	91.6	95.3	94.5	102.2
June	87.8	92.0	86.4	91.5	95.8	94.9	94.0	91.1	92.5	97.9	100.3
September	92.0	94.3	90.4	93.7	97.7	99.1	97.1	94.9	93.4	97.1	102.0
December	93.4	95.4	94.1	93.7	99.2	96.9	99.6	101.9	96.8	98.2	96.2
1929											
March	95.5	99.2	95.1	96.9	102.2	100.6	104.4	104.1	105.4	101.6	106.1
June	94.0	98.0	97.2	99.6	104.1	100.6	101.9	105.5	106.6	107.5	102.5
September	97.0	99.9	99.9	102.0	105.8	101.3	105.5	107.6	105.3	105.0	98.5
December	89.9	94.2	91.1	97.3	99.3	93.7	97.1	98.9	99.7	96.3	88.2
1930											
January	89.2	92.1	89.8	96.2	97.8	93.4	94.7	97.8	98.3	91.2	85.7
February	89.4	91.6	90.0	96.4	98.0	94.0	93.2	98.5	99.2	94.0	90.8
March	88.3	91.4	88.6	96.2	96.9	94.5	94.4	97.4	100.0	90.1	94.0
April	86.6	89.8	86.8	95.8	95.0	93.6	91.4	95.2	98.6	89.1	91.9
May	84.4	88.3	85.6	94.2	93.4	92.7	88.7	93.3	94.9	86.5	89.0
June	81.5	86.7	84.1	91.9	91.2	89.0	86.7	90.1	89.1	82.2	83.0
July	77.1	83.4	83.5	87.6	85.7	90.5	82.1	88.1	81.2	74.5	77.7
August	78.5	82.7	84.2	86.6	84.9	85.2	81.6	89.3	82.0	73.2	73.9
September	79.0	84.6	88.0	87.5	82.9	83.1	84.5	93.0	81.4	71.4	72.3
October	78.1	83.2	88.2	86.4	80.2	81.3	80.4	93.4	80.7	69.0	73.0
November	75.8	80.6	85.8	84.7	77.7	78.5	76.3	87.7	74.8	64.0	66.2
December	72.4	77.5	82.2	81.7	77.5	77.5	73.7	83.4	71.3	63.4	63.9
1931											
January	71.9	75.4	77.9	78.8	76.3	76.9	70.4	77.5	67.6	60.7	60.0
February	73.7	76.6	77.4	80.0	76.5	77.6	72.6	78.6	68.6	62.7	65.8
March	74.4	77.8	77.0	79.2	76.6	78.2	75.1	77.3	69.7	62.8	68.8
April	74.7	77.2	75.7	79.1	75.6	77.9	72.9	76.1	69.9	61.1	68.2
May	73.3	75.6	75.3	77.2	74.5	78.1	70.4	76.3	65.8	59.3	67.2
June	71.4	73.4	73.6	74.5	72.3	76.7	66.7	72.0	61.5	56.6	64.2
July	69.9	71.9	72.6	72.5	70.5	79.6	65.5	70.8	57.3	54.6	61.0
August	71.4	71.6	73.0	72.9	70.1	75.6	65.0	70.7	57.0	53.9	58.9
September	70.9	73.6	73.2	72.6	68.3	75.0	66.5	66.6	54.3	50.3	55.6
October	65.2	71.3	72.4	71.8	65.7	70.7	62.3	68.9	54.5	47.7	52.8
November	62.2	68.8	71.0	71.1	62.3	68.2	59.4	65.8	51.1	43.2	50.0
December	61.1	67.7	68.1	71.0	63.6	66.9	57.8	62.7	52.3	45.1	48.8

[1] Compiled by the Massachusetts Department of Labor and Industries, Division of Statistics, from about 1,000 firms each month. Data are connected by the chain relative method.

[2] Compiled by the New York State Department of Labor from reports of 1,648 firms employing more than one-third of the factory workers of the State.

[3] Compiled by the Federal Reserve Bank of Philadelphia from reports of about 800 plants in New Jersey and about 850 in Pennsylvania. Since August, 1926, figures for New Jersey are from the New Jersey Department of Labor.

[4] Compiled by the Illinois Department of Labor from reports of manufacturing establishments, based on the pay roll nearest the 15th of the month.

[5] Compiled by the Industrial Commission of Wisconsin, from reports of about 850 manufacturing establishments.

[6] Index number represents 11 months' average; no data reported for June.

[7] Index number represents 6 months' average, July to December, inclusive.

Source: See footnotes.

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No. 335.—WEEKLY EARNINGS OF FACTORY LABOR IN SPECIFIED STATES

[Index numbers for New Jersey, Pennsylvania, and Delaware, relative to monthly average of the years 1923–1925 as 100; for New York, Illinois, and Wisconsin, monthly average of the years 1925–1927. Data for Delaware compiled by the Federal Reserve Bank of Philadelphia from reports of about 60 plants; for original sources of other data, number of firms reporting, etc., in each State, see notes 2 to 5, Table 334]

Year and month	Average amount per week			Index numbers					
	New York	Illinois	Wisconsin	New York	New Jersey	Pennsylvania	Delaware	Illinois	Wisconsin
1921	$25.72		$22.80						
1922	25.04	[1] $24.70	21.66					[1] 80.1	84.7
1923	27.24	27.07	23.97	94.4	99.8	101.8	99.8	95.4	93.8
1924	27.68	27.55	24.40	95.9	99.5	98.6	100.8	97.1	95.4
1925	28.26	27.93	25.56	97.9	100.7	99.6	99.4	98.4	100.0
1926	29.02	28.67	25.67	100.5	105.9	102.5	101.8	101.0	100.4
1927	29.30	28.52	25.45	101.5	109.0	102.6	103.1	100.5	99.6
1928	29.44	28.56	26.04	102.0	109.8	103.1	102.6	100.2	101.9
1929	29.99	28.69	25.92	103.9	113.0	106.9	106.7	101.0	100.6
1930	28.81	27.16	23.33	99.5	111.3	98.1	103.2	95.7	90.3
1931	26.42	23.59	20.02	91.2	101.7	81.1	93.9	83.2	78.4
1929									
March	30.35	28.92	26.95	105.2	114.0	109.8	108.5	101.9	105.4
June	30.02	29.46	26.03	104.0	113.0	108.6	109.0	103.8	101.8
September	30.47	28.26	25.17	105.6	112.1	104.6	103.2	99.6	97.4
December	29.75	28.12	24.18	103.1	113.1	103.3	107.1	99.1	93.7
1930									
March	29.90	28.25	25.75	103.2	114.5	105.6	106.0	99.6	99.2
June	28.96	27.49	23.96	100.0	111.7	98.8	104.4	96.9	92.8
September	28.94	26.43	22.16	99.9	110.4	94.7	100.7	93.1	85.6
December	27.52	25.09	20.84	95.0	106.0	87.8	100.6	88.4	81.1
1931									
March	27.96	25.13	22.69	96.5	105.0	87.5	102.4	88.6	88.1
June	26.34	23.93	21.16	91.0	102.2	82.3	100.5	84.3	82.8
September	26.16	22.52	18.24	90.3	95.1	75.3	87.0	79.4	72.2
December	24.74	21.63	18.02	85.4	96.3	74.4	81.7	76.2	71.2

[1] Average of the last 6 months of the year.

Sources: See headnote.

No. 336.—AVERAGE WEEKLY AND HOURLY EARNINGS: ALL WAGE EARNERS AND CLASSIFIED GROUPS OF LABOR, 24 MANUFACTURING INDUSTRIES

[Indexes based on 1923 as 100]

Year	All wage earners		Male, unskilled		Male, skilled and semiskilled		Female	
	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number	Actual amount	Index number
WEEKLY EARNINGS								
1921	$23.82	89.5	$20.31	91.2	$27.40	88.9	$15.64	90.7
1922 [1]	24.29	91.3	20.30	91.2	28.16	91.4	15.84	91.9
1923	26.61	100.0	22.28	100.0	30.81	100.0	17.24	100.0
1924	26.45	99.4	22.42	100.7	30.55	99.2	16.76	97.2
1925	27.08	101.8	22.94	103.0	31.29	101.6	17.17	99.6
1926	27.42	103.1	23.22	104.2	31.58	102.5	17.29	100.3
1927	27.53	103.5	23.55	105.7	31.52	102.3	17.37	100.8
1928	27.88	104.8	23.90	107.3	31.95	103.7	17.15	99.5
1929	28.52	107.2	24.42	109.6	32.59	105.8	17.63	102.3
1930	25.84	97.1	21.91	98.4	29.15	94.6	15.98	92.7
1931	22.60	84.9	19.19	86.1	25.00	81.1	14.71	85.3
HOURLY EARNINGS								
1921	.525	97.0	.438	98.8	.599	96.8	.362	94.4
1922 [1]	.495	91.5	.402	90.8	.567	91.6	.353	92.1
1923	.541	100.0	.443	100.0	.619	100.0	.383	100.0
1924	.562	104.0	.459	103.6	.644	104.0	.393	102.7
1925	.561	103.7	.455	102.8	.644	104.0	.389	101.6
1926	.568	105.0	.461	104.1	.651	105.1	.396	103.4
1927	.576	106.5	.472	106.5	.656	105.9	.398	103.9
1928	.579	107.0	.474	107.0	.659	106.5	.396	103.3
1929	.589	108.9	.486	109.7	.668	107.8	.399	104.1
1930	.589	108.9	.478	107.9	.662	107.0	.395	103.2
1931	.564	104.3	.461	104.0	.634	102.5	.371	96.7

[1] Average of last 6 months.

Source: National Industrial Conference Board (Inc.).

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No. 337.—EMPLOYMENT AND PAY-ROLL INDEXES IN NONMANUFACTURING INDUSTRIES AND BUSINESS

[Monthly average, 1929=100]

Year and industry	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average for year
	Employment												
1930													
Anthracite mining	102.1	106.9	82.6	84.1	93.8	90.8	91.6	80.2	93.8	99.0	97.2	99.1	93.4
Bituminous-coal mining	102.5	102.4	98.6	94.4	90.4	88.4	88.0	89.2	90.5	91.8	92.5	92.5	93.4
Metalliferous mining	95.7	92.3	90.9	89.3	87.5	84.6	80.5	79.0	78.1	77.2	72.8	70.1	83.2
Quarrying and nonmetallic mining	79.6	79.8	83.0	87.4	90.8	90.3	89.9	89.3	87.7	84.7	78.2	70.2	84.3
Crude-petroleum producing	92.7	90.8	89.3	86.8	89.8	90.2	89.9	87.7	85.0	85.2	83.6	77.4	87.4
Telephone and telegraph	101.6	100.2	99.4	98.9	99.7	99.8	100.0	98.8	96.8	94.5	93.0	91.6	97.9
Power, light, and water	99.6	98.8	99.7	100.7	103.4	104.6	105.9	106.4	105.2	104.8	103.4	103.2	103.0
Electric railroads[1]	97.1	95.1	94.4	95.2	95.2	94.8	95.3	92.9	91.8	91.0	89.3	88.8	93.4
Wholesale trade	100.0	98.5	97.7	97.3	96.8	96.5	96.0	95.0	94.8	94.2	92.6	92.0	96.0
Retail trade	98.9	94.4	93.9	97.3	96.7	93.9	89.0	85.6	92.0	95.5	98.4	115.1	95.9
Hotels	100.4	102.4	102.4	100.1	98.0	98.0	101.3	101.5	100.1	97.5	95.2	93.5	99.2
Canning and preserving	46.1	45.7	49.7	74.8	65.7	83.0	126.3	185.7	246.6	164.7	96.7	61.6	103.9
1931													
Anthracite mining	90.6	89.5	82.0	85.2	80.3	76.1	65.1	67.3	80.0	86.8	83.5	79.8	80.5
Bituminous-coal mining	93.9	91.5	88.8	85.9	82.4	78.4	76.4	77.0	80.4	81.3	81.1	81.2	83.2
Metalliferous mining	68.3	65.3	63.5	63.9	62.4	60.0	56.2	55.8	55.5	53.8	52.8	51.2	59.1
Quarrying and nonmetallic mining	64.4	66.6	70.0	76.1	75.0	72.3	71.0	68.9	66.6	64.5	59.3	53.9	67.4
Crude-petroleum producing	74.8	73.2	72.2	69.8	67.8	65.0	65.3	62.4	61.2	60.4	57.6	58.2	65.7
Telephone and telegraph	90.5	89.2	88.6	88.1	87.4	86.9	86.6	85.9	85.0	84.1	83.5	83.1	86.6
Power, light, and water	99.2	97.8	96.7	97.1	97.6	97.2	96.7	95.9	94.7	92.7	91.3	90.3	95.6
Electric railroads[1]	86.9	86.6	86.4	86.8	85.9	85.3	85.6	84.8	84.0	82.7	81.5	79.9	84.7
Wholesale trade	89.5	88.2	87.4	87.4	87.1	87.1	86.8	86.5	86.1	85.2	84.1	83.7	86.6
Retail trade	90.0	87.1	87.8	90.1	89.9	89.1	83.9	81.8	86.6	89.8	90.9	106.2	89.4
Hotels	95.0	96.8	96.8	95.9	92.5	91.6	93.3	92.8	90.6	87.4	84.9	83.1	91.7
Canning and preserving	48.9	48.3	53.0	59.6	56.0	70.6	102.2	142.9	180.1	108.1	60.8	40.7	80.9
	Pay rolls												
1930													
Anthracite mining	105.8	121.5	78.5	75.0	98.9	94.3	84.0	78.8	91.6	117.2	98.0	100.0	95.3
Bituminous-coal mining	101.4	102.1	86.4	81.7	77.5	75.6	68.9	71.1	74.9	79.4	79.1	77.7	81.3
Metalliferous mining	92.7	92.5	90.8	88.3	85.6	81.6	71.9	71.0	69.9	68.6	63.4	59.9	78.0
Quarrying and nonmetallic mining	71.9	73.5	80.0	85.4	90.2	90.9	85.5	85.8	82.5	79.3	66.8	59.9	79.3
Crude-petroleum producing	94.0	88.6	91.3	86.6	85.4	87.1	88.5	86.0	84.0	82.6	80.0	77.2	85.9
Telephone and telegraph	105.1	101.9	105.8	103.4	103.2	103.4	106.6	102.5	102.2	100.9	97.9	101.3	102.9
Power, light, and water	99.7	100.4	102.1	102.6	104.5	107.8	106.7	106.6	106.1	105.6	103.7	106.3	104.3
Electric railroads[1]	97.8	95.7	95.4	97.1	96.0	97.0	95.6	92.1	90.5	88.9	87.7	88.6	93.5
Wholesale trade	100.0	98.3	99.7	97.9	97.4	98.6	96.0	93.6	93.6	92.9	91.0	91.3	95.9
Retail trade	99.7	96.0	95.5	97.5	97.3	96.8	91.7	87.6	92.4	95.1	96.8	107.7	96.2
Hotels	100.3	103.8	104.4	100.3	98.4	98.1	99.8	98.6	97.1	95.5	93.6	91.5	98.5
Canning and preserving	50.3	51.5	50.8	72.6	66.9	81.5	112.7	172.0	214.8	140.0	82.9	57.4	96.1
1931													
Anthracite mining	89.3	101.9	71.3	75.2	76.1	66.7	53.7	56.4	64.9	91.1	79.5	78.4	75.4
Bituminous-coal mining	73.3	68.3	65.2	58.6	54.4	52.4	50.4	50.6	53.6	56.2	54.6	52.3	57.5
Metalliferous mining	55.0	54.6	52.8	51.4	49.3	46.1	41.3	40.2	40.0	37.4	35.1	34.3	44.8
Quarrying and nonmetallic mining	50.4	54.4	58.2	62.6	62.3	60.1	57.3	55.1	51.2	48.7	43.3	36.9	53.4
Crude-petroleum producing	71.5	70.0	73.2	66.3	64.7	62.7	59.2	56.3	55.2	54.4	52.0	54.9	61.7
Telephone and telegraph	96.3	94.8	97.9	95.0	94.1	95.0	93.3	92.3	92.1	91.6	89.7	92.7	93.7
Power, light, and water	98.6	99.7	102.4	97.6	98.7	98.3	97.4	96.2	94.3	93.2	93.3	91.2	96.7
Electric railroads[1]	85.6	87.1	88.1	86.6	85.1	84.8	83.3	81.9	81.2	79.0	79.7	77.8	83.4
Wholesale trade	87.5	88.4	89.1	85.2	84.7	84.1	83.3	82.1	81.4	79.9	79.7	77.8	83.6
Retail trade	89.4	86.7	87.5	88.3	88.0	87.6	83.3	80.3	83.5	84.6	85.4	94.1	86.6
Hotels	91.0	93.7	93.4	89.9	87.7	85.4	85.2	83.8	81.9	79.7	77.1	75.4	85.4
Canning and preserving	46.1	48.6	50.3	57.1	56.0	58.6	74.2	104.7	129.4	77.6	48.1	36.9	65.6

[1] Figures represent operation and maintenance of electric railroads, and do not include electric railroad car building and repairing.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 338.—INDEX NUMBERS OF UNION WAGE RATES AND HOURS OF LABOR

NOTE.—Index numbers subsequent to 1924 cover only the occupations listed in Table 340; for previous years they included also the metal and millwork trades. See also headnote, Table 339

[Rates and hours for 1913=100.]

Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time	Year	Rates of wages per hour	Full-time hours per week	Rates of wages per week, full time
1907	89.7	102.6	91.5	1920	199.0	93.8	188.5
1908	91.0	102.1	92.5	1921	205.3	93.9	193.3
1909	91.9	101.9	93.3	1922	193.1	94.4	183.0
1910	94.4	101.1	95.2	1923	210.6	94.3	198.6
1911	96.0	100.7	96.5	1924	228.1	93.9	214.3
1912	97.6	100.3	97.7	1925	237.9	93.0	222.3
1913	100.0	100.0	100.0	1926	250.3	92.8	233.4
1914	101.9	99.6	101.6	1927	259.5	92.4	240.8
1915	102.8	99.4	102.3	1928	260.6	91.9	240.6
1916	107.2	98.8	106.2	1929	262.1	91.5	240.7
1917	114.1	98.4	112.4	1930	272.1	89.8	243.8
1918	132.7	97.0	129.6	1931	273.0	89.2	242.9
1919	154.5	94.7	147.8				

Source: Bureau of Labor Statistics, Department of Labor.

No. 339.—INDEX NUMBERS OF UNION HOURS OF LABOR PER WEEK AND RATES OF WAGES PER HOUR, BY OCCUPATIONS

NOTE.—Data cover the principal cities of the United States. The relative hours are percentages showing the change in the regular full-time working hours per week, account not being taken of loss of time from slack work or other causes nor of overtime work. The relative wages are percentages which indicate the change in wages per hour. The figures are based on the scale prevailing May 15 each year. For absolute hourly wage rates for the same and other occupations, see Table 340

[Rates and hours for 1913=100]

Year	Bakers		Building trades									
			Bricklayers		Building laborers		Carpenters		Carpenters: Parquetry-floor layers		Cement finishers	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910	109.1	85.8	100.6	96.7	100.0	94.5	100.7	95.1			102.1	94.2
1920	89.9	264.0	98.7	174.7	94.8	225.9	98.5	194.8	94.1	219.0	95.0	182.9
1921	90.3	278.7	98.7	172.7	94.7	227.7	98.4	197.8	94.1	219.6	95.0	188.4
1923	90.2	276.0	98.6	191.1	94.7	218.1	98.8	204.0	93.6	222.0	95.0	191.2
1924	90.1	283.5	98.6	202.2	94.4	242.4	98.8	218.3	93.2	222.0	95.0	211.4
1925	89.7	293.4	98.5	213.4	94.5	231.6	98.8	222.8	93.4	215.7	94.7	212.6
1926	90.5	277.2	98.5	226.4	94.7	254.9	98.8	238.4	94.1	253.1	94.7	226.9
1927	90.2	286.8	98.1	231.9	94.9	255.8	98.8	246.7	93.9	250.2	94.4	236.8
1928	89.6	285.9	98.0	233.9	94.8	257.0	98.2	247.5	93.3	236.1	93.8	234.6
1929	89.4	293.4	95.5	239.7	94.7	258.2	98.2	252.0	93.6	241.9	93.9	234.6
1930	89.4	289.2	93.3	245.1	92.8	275.3	95.1	261.6	87.7	259.5	90.3	256.4
1931	89.8	279.9	91.7	245.9	91.3	267.5	93.5	263.5	86.5	262.8	90.0	253.3

Year	Building trades—Continued											
	Engineers, portable and hoisting		Hod carriers		Inside wiremen		Lathers		Marble setters		Painters	
	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
1910			101.2	97.2	100.8	95.9			100.5	92.5	101.3	92.6
1920	95.8	175.6	98.1	232.4	96.2	192.0	98.1	188.9	99.1	158.4	94.7	206.0
1921	96.3	178.2	98.0	237.8	96.2	201.9	98.1	192.1	99.2	160.6	94.7	212.8
1923	95.6	185.5	98.1	215.4	96.2	197.1	98.4	199.3	99.2	178.0	95.1	218.7
1924	95.6	197.2	98.0	224.9	96.2	220.5	98.2	215.1	99.2	186.1	95.0	230.5
1925	95.9	205.7	97.9	251.5	96.2	232.4	97.9	234.5	99.2	190.0	95.3	243.1
1926	96.1	217.2	98.0	273.8	96.1	244.6	97.6	240.6	99.2	212.3	94.9	257.5
1927	97.7	224.2	98.0	280.4	96.2	254.9	97.2	250.3	99.1	217.0	94.5	266.2
1928	96.6	233.5	98.0	280.7	95.7	257.2	96.7	251.0	99.1	218.0	92.0	270.8
1929	96.9	232.5	92.7	293.0	93.4	268.2	96.2	249.0	99.1	233.4	91.8	270.2
1930	93.5	259.0	92.9	302.3	91.2	271.1	90.9	259.4	93.8	234.5	90.5	289.5
1931	92.3	261.4	92.1	297.3	90.3	275.1	90.2	262.6	92.2	235.5	89.7	292.4

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No. 339.—Index Numbers of Union Hours of Labor per Week and Rates of Wages per Hour, by Occupations—Continued

Year	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour	Hours per week	Wages per hour
	Building trades—Continued											
	Plasterers		Plasterers' laborers		Plumbers and gas fitters		Sheet-metal workers		Steam and sprinkler fitters		Stonemasons	
1910	100.6	96.6	100.6	96.4	101.1	90.9	101.7	91.0	101.3	91.9	100.8	94.7
1920	97.9	170.7	98.6	213.5	97.9	172.1	97.5	193.2	97.3	178.8	99.0	188.1
1921	97.5	180.5	98.3	219.1	97.8	181.1	97.1	202.3	97.0	171.3	99.2	193.0
1923	98.1	193.2	98.4	212.0	97.7	185.6	97.1	201.9	97.0	175.6	99.2	212.5
1924	98.2	216.1	98.3	227.8	97.7	202.4	97.1	221.7	97.0	201.5	98.9	225.2
1925	97.9	219.8	98.1	243.1	97.7	206.6	97.1	229.3	97.0	212.2	98.9	229.5
1926	95.1	236.1	94.9	257.2	97.7	222.7	97.1	244.8	96.9	229.7	99.1	253.1
1927	94.7	241.0	94.9	259.7	97.6	227.2	96.8	252.2	96.8	236.2	98.9	256.0
1928	93.9	241.6	95.1	264.1	97.5	232.1	91.5	247.4	96.8	239.5	98.8	259.3
1929	93.0	238.6	95.0	265.0	96.7	233.8	96.4	256.9	96.3	241.0	95.9	266.5
1930	91.2	250.3	91.9	282.3	92.0	240.0	92.7	268.5	92.0	252.2	92.9	266.4
1931	90.6	253.0	92.0	274.3	90.9	244.2	91.2	273.2	91.2	254.6	91.1	269.0
	Building trades—Contd.											
	Structural-iron workers		Tile layers		Chauffeurs		Teamsters and drivers		Longshore-men		Granite cutters	
1910	101.7	92.7									101.8	93.7
1920	98.7	179.4	98.2	162.6	87.2	200.1	90.4	215.4	76.7	233.5	100.2	189.5
1921	98.7	184.0	98.3	161.9	87.5	202.5	88.2	223.0	76.6	236.8	100.1	209.0
1923	98.8	178.4	98.4	174.0	88.6	197.7	89.3	224.9	81.8	209.2	99.8	212.7
1924	98.7	202.5	98.4	197.5	89.1	205.6	89.5	244.7	81.8	238.5	100.2	214.2
1925	98.8	204.5	98.4	202.3	87.7	223.5	88.2	254.3	77.5	239.9	100.2	216.8
1926	98.7	218.5	98.4	212.0	85.1	226.3	89.0	256.6	76.7	242.0	100.0	244.1
1927	98.7	235.5	98.3	221.9	83.8	242.1	88.3	269.1	75.7	236.7	100.2	242.6
1928	98.7	235.7	98.0	221.8	84.0	243.2	88.2	277.1	75.6	248.6	100.2	245.3
1929	98.2	236.0	97.8	224.2	82.7	244.2	87.5	279.8	75.7	250.1	99.9	249.8
1930	95.4	248.1	92.8	234.9	82.2	249.4	87.8	292.0	75.6	253.5	95.2	262.3
1931	94.1	251.6	91.5	237.2	81.8	253.9	90.0	287.8	76.0	251.5	94.2	262.5
	Printing and publishing: Book and job											
	Bookbinders		Compositors		Electro-typers		Machine operators		Press assist-ants and feeders		Pressmen, cylinder	
1910	100.3	95.1	100.1	94.1	100.8	91.5	100.3	93.9	100.2	92.4	100.0	95.4
1920	100.0	204.0	100.0	190.6	99.5	195.5	100.1	174.6	99.9	227.7	100.0	184.5
1921	94.7	220.1	94.3	219.6	96.5	223.1	93.9	200.6	94.2	245.8	94.5	205.5
1923	93.4	224.0	91.4	228.5	95.9	241.6	92.2	203.8	92.5	266.2	93.0	216.7
1924	93.1	233.9	91.7	238.5	95.7	250.6	91.8	212.9	92.7	263.8	93.1	223.1
1925	93.3	236.6	91.7	237.4	96.6	249.7	92.2	211.7	92.4	278.8	92.6	225.9
1926	93.2	240.8	91.7	242.1	96.6	252.2	92.0	215.2	92.3	281.9	92.4	230.5
1927	93.0	246.0	91.7	246.6	96.6	255.2	92.2	223.0	92.2	285.3	92.4	230.9
1928	93.6	244.8	91.7	250.1	96.6	257.1	92.0	224.6	92.2	287.0	92.3	232.7
1929	93.0	247.5	91.7	251.5	96.3	263.2	92.0	228.0	92.1	289.7	92.3	236.8
1930	93.5	250.7	91.7	259.3	95.2	269.9	92.0	238.0	92.1	294.8	92.3	240.1
1931	93.3	252.7	91.7	260.2	94.5	274.5	91.9	228.8	92.1	299.9	92.4	239.1
	Printing and publishing: Book and job—Con.		Printing and publishing: Newspaper									
	Pressmen, platen		Compositors, daywork		Machine operators, daywork		Machine tenders, (machinists), daywork		Pressmen, web presses, daywork		Stereotypers, daywork	
1910	99.8	94.9	100.4	92.7	100.5	94.8			100.3	95.5	100.5	92.1
1920	99.9	200.4	99.9	160.7	99.5	167.5	99.8	171.7	101.1	169.5	99.9	149.8
1921	94.7	231.7	99.5	174.9	99.2	175.5	99.8	178.5	100.6	184.1	98.1	173.9
1923	92.9	235.8	100.6	177.9	100.3	183.1	100.5	180.9	102.3	182.4	99.9	174.9
1924	93.1	242.9	99.7	189.0	99.1	193.4	99.9	191.5	100.5	199.4	99.8	180.4
1925	93.1	244.3	99.4	193.7	99.0	198.0	100.3	185.3	100.0	208.2	99.6	184.5
1926	92.3	255.8	99.3	196.7	98.9	201.6	100.2	185.2	100.3	212.2	99.6	188.1
1927	92.3	258.3	99.3	201.8	98.5	208.9	100.1	194.5	99.9	223.3	99.1	191.0
1928	92.5	253.9	98.9	206.6	98.2	213.8	100.0	198.4	99.9	224.9	99.5	191.0
1929	92.6	257.8	98.4	211.3	98.3	217.4	99.6	201.7	99.8	228.1	98.5	200.1
1930	92.6	259.9	98.4	212.5	98.2	216.7	99.2	205.1	99.9	229.3	98.5	201.8
1931	92.5	260.2	98.4	212.5	98.3	220.0	99.3	204.7	99.9	231.2	98.6	201.6

Source: Bureau of Labor Statistics, Department of Labor.

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No. 340.—AVERAGE UNION RATES OF WAGES PER HOUR IN TRADES SPECIFIED, FOR THE UNITED STATES, AS OF MAY 15

NOTE.—Statistics cover the principal cities of the United States. For index numbers in the principal trades, based on these rates, see Table 339

Occupation	1929	1930	1931
Grand average, all trades herein covered [1]	*Dolls.* 1.204	*Dolls.* 1.250	*Dolls.* 1.254
Bakers	.979	.965	.934
BUILDING TRADES			
Asbestos workers	1.378	1.445	1.471
Bricklayers:			
Building	1.657	1.695	1.700
Sewer, tunnel, and caisson	1.917	1.913	2.039
Building laborers	.862	.919	.893
Carpenters:			
Building	1.339	1.390	1.400
Millwrights	1.244	1.303	1.349
Parquetry-floor layers	1.375	1.475	1.494
Ship	1.111	1.404	1.372
Wharf and bridge	1.293	1.360	1.383
Cement finishers	1.366	1.493	1.475
Composition roofers	1.358	1.387	1.432
Composition roofers' helpers	.795	.796	.782
Elevator constructors	1.450	1.519	1.524
Elevator constructors' helpers	1.043	1.093	1.098
Engineers, portable and hoisting	1.430	1.593	1.608
Glaziers	1.358	1.408	1.428
Hod carriers	1.072	1.106	1.088
Inside wiremen	1.468	1.484	1.506
Inside wiremen fixture hangers	1.253	1.338	1.335
Lathers:			
Piecework	[2] 9.717	[2] 9.424	[2] 9.264
Timework	1.484	1.546	1.565
Marble setters	1.558	1.565	1.572
Marble setters' helpers	1.061	1.046	1.026
Mosaic and terrazzo workers	1.417	1.468	1.466
Painters:			
Building	1.369	1.467	1.482
Fresco	1.258	1.380	1.456
Sign	1.583	1.581	1.573
Plasterers	1.612	1.691	1.709
Plasterers' laborers	1.090	1.161	1.128
Plumbers and gas fitters	1.450	1.488	1.514
Plumbers' laborers	1.043	1.013	1.051
Sheet-metal workers	1.355	1.416	1.441
Slate and tile roofers	1.554	1.590	1.576
Steam and sprinkler fitters	1.444	1.511	1.525
Steam and sprinkler fitters' helpers	.954	1.065	1.084
Stonemasons	1.627	1.626	1.642
Structural-iron:			
Workers	1.467	1.542	1.564
Finishers	1.492	1.599	1.598
Tile layers	1.469	1.539	1.554
Tile layers' helpers	.984	1.079	1.047
Average, building trades	1.352	1.410	1.428
PRINTING AND PUBLISHING: BOOK AND JOB			
Bindery women	*Dolls.* 0.529	*Dolls.* 0.544	*Dolls.* 0.541
Bookbinders	1.002	1.015	1.023
Compositors	1.127	1.162	1.166
Electrotypers	1.261	1.293	1.315
Machine operators, timework	1.188	1.240	1.192
Machine tenders (machinists)	1.195	1.267	1.218
Photo-engravers	1.331	1.335	1.329
Press assistants and feeders	.850	.865	.880
Pressmen:			
Cylinder	1.150	1.166	1.161
Platen	.939	.947	.948
Average, printing and publishing, book and job	1.049	1.074	1.068
PRINTING AND PUBLISHING: NEWSPAPER			
Compositors:			
Daywork	1.203	1.210	1.210
Nightwork	1.326	1.315	1.311
Machine operators, daywork:			
Piecework	[3] .138	[3] .145	[3] .147
Timework	1.224	1.220	1.239
Machine operators, nightwork:			
Piecework	[3] .147	[3] .156	[3] .167
Timework	1.336	1.333	1.339
Machine tenders (machinists):			
Daywork	1.186	1.206	1.204
Nightwork	1.340	1.308	1.332
Photo-engravers:			
Daywork	1.346	1.342	1.354
Nightwork	1.596	1.636	1.653
Pressmen, web presses:			
Daywork	1.089	1.095	1.104
Nightwork	1.257	1.272	1.292
Stereotypers:			
Daywork	1.055	1.064	1.063
Nightwork	1.201	1.228	1.241
Average, printing and publishing, newspaper	1.241	1.241	1.247
MISCELLANEOUS			
Chauffeurs	.709	.724	.737
Teamsters and drivers	.734	.766	.755
Longshoremen	.863	.875	.868
Granite cutters	1.279	1.343	1.344
Stonecutters	1.472	1.486	1.524
Laundry workers	.458	.479	.481
Linemen	1.019	1.128	1.135

[1] Except piecework. [2] Per 1,000 laths. [3] Rate per 1,000 ems.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 341.—UNEMPLOYMENT RETURNS: BY CLASSES AND STATES, APRIL, 1930

NOTE.—In the tabulation of unemployment returns 7 classes are distinguished each of which has a definite relation to the unemployment problem, though some of them are composed mainly of persons who would not, even under the most elastic definition, be considered "unemployed." Data for the two main classes, A and B, are shown in the following table. United States totals for the other classes are as follows: Class C, persons out of a job and unable to work, 172,661; Class D, persons having jobs but idle on account of sickness or disability, 273,588; Class E, persons out of a job and not looking for work, 87,988; Class F, persons having jobs but voluntarily idle without pay, 84,595; Class G, persons having jobs and drawing pay though not at work (on vacation, etc.), 82,335. State figures for classes C to G, classes A and B by period of idleness, and unemployment returns for cities of 100,000 or more inhabitants are shown in Statistical Abstract 1931, pp. 366–368

Division and State	Class A Persons out of a job, able to work, and looking for a job				Class B Persons having jobs but on layoff without pay, excluding those sick or voluntarily idle			
	Total number	Per cent of persons gainfully occupied	Male	Female	Total number	Per cent of persons gainfully occupied	Male	Female
United States	**2,429,062**	**5.0**	**2,058,738**	**370,324**	**758,585**	**1.6**	**627,407**	**131,178**
New England:								
Maine	13,419	4.3	11,463	1,956	7,641	2.5	5,756	1,885
New Hampshire	8,184	4.2	6,866	1,318	5,347	2.8	3,627	1,720
Vermont	5,293	3.7	4,647	646	2,909	2.1	2,190	719
Massachusetts	116,210	6.4	93,579	22,631	45,184	2.5	32,347	12,837
Rhode Island	22,437	7.6	17,502	4,935	13,690	4.6	8,724	4,966
Connecticut	38,230	5.6	32,340	5,890	12,579	1.9	9,552	3,027
Middle Atlantic:								
New York	354,390	6.4	298,731	55,659	73,625	1.3	59,145	14,480
New Jersey	116,305	6.8	98,518	17,787	23,997	1.4	18,733	5,264
Pennsylvania	207,691	5.6	180,106	27,585	117,801	3.2	105,160	12,641
East North Central:								
Ohio	159,936	6.1	140,697	19,239	54,630	2.1	47,619	7,011
Indiana	60,714	4.9	53,445	7,269	25,665	2.1	22,292	3,373
Illinois	226,999	7.1	195,493	31,506	55,852	1.8	48,922	6,930
Michigan	157,812	8.2	140,653	17,159	39,176	2.0	34,392	4,784
Wisconsin	46,982	4.2	41,889	5,093	17,094	1.5	14,803	2,291
West North Central:								
Minnesota	44,545	4.5	38,377	6,168	10,668	1.1	9,132	1,536
Iowa	22,340	2.4	19,109	3,231	9,183	1.0	8,141	1,042
Missouri	63,413	4.3	53,136	10,277	17,984	1.2	14,341	3,643
North Dakota	5,982	2.5	5,220	762	1,493	0.6	1,312	181
South Dakota	3,516	1.4	3,037	479	996	0.4	895	101
Nebraska	14,778	2.9	12,322	2,456	4,292	0.8	3,664	628
Kansas	22,157	3.2	19,341	2,816	6,005	0.9	5,272	733
South Atlantic:								
Delaware	3,187	3.2	2,636	551	726	0.7	581	145
Maryland	24,438	3.6	20,495	3,943	7,198	1.1	5,883	1,315
Dist. of Columbia	8,999	3.7	6,418	2,581	1,676	0.7	1,280	396
Virginia	26,461	3.0	21,112	5,349	8,898	1.0	6,899	1,999
West Virginia	21,375	3.7	19,374	2,001	13,959	2.4	13,057	902
North Carolina	28,621	2.5	20,847	7,774	15,501	1.4	10,672	4,829
South Carolina	11,950	1.7	8,346	3,604	7,297	1.1	4,109	3,188
Georgia	27,672	2.4	19,626	8,046	11,950	1.0	7,969	3,981
Florida	33,120	5.5	24,733	8,387	5,631	0.9	4,253	1,378
East South Central:								
Kentucky	29,452	3.2	25,038	4,414	12,818	1.4	10,901	1,917
Tennessee	20,412	2.1	15,884	4,528	9,773	1.0	7,108	2,665
Alabama	21,441	2.1	17,461	3,980	8,551	0.8	6,873	1,678
Mississippi	10,798	1.3	8,124	2,674	4,695	0.6	3,682	1,013
West South Central:								
Arkansas	12,820	1.9	10,465	2,355	5,531	0.8	4,893	638
Louisiana	30,866	3.8	25,043	5,823	8,530	1.0	6,602	1,928
Oklahoma	37,333	4.5	33,131	4,202	8,025	1.0	7,257	768
Texas	75,827	3.4	63,543	12,284	19,436	0.9	16,088	3,348
Mountain:								
Montana	10,963	5.1	9,886	1,077	4,044	1.9	3,815	229
Idaho	6,194	3.8	5,414	780	1,275	0.8	1,097	178
Wyoming	3,719	4.0	3,312	407	1,181	1.3	1,059	122
Colorado	22,696	5.6	19,595	3,101	7,502	1.9	6,761	741
New Mexico	5,654	4.0	5,117	537	919	0.6	832	87
Arizona	7,990	4.8	7,156	834	1,533	0.9	1,378	155
Utah	8,712	5.1	7,755	957	2,247	1.3	1,955	292
Nevada	2,888	6.7	2,720	168	276	0.6	250	26
Pacific:								
Washington	36,972	5.6	31,428	5,544	9,465	1.4	8,154	1,311
Oregon	25,482	6.2	21,356	4,126	5,965	1.5	4,853	1,112
California	161,687	6.5	136,252	25,435	28,172	1.1	23,127	5,045

Source: Bureau of the Census, Department of Commerce.

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16.—POSTAL SERVICE

[Postal statistics, unless otherwise noted, include data for outlying territories and possessions except Philippine Islands and Canal Zone]

No. 342.—UNITED STATES POSTAL SERVICE, 1800 TO 1931

Year ended June 30—	Number of post offices	Mileage of post routes [1]	Finances, thousands of dollars			Revenue per capita, dollars	Money orders issued, thousands of dollars		Number of ordinary postage stamps issued, millions	Number of pieces of mail handled, millions [4]
			Gross revenue	Gross expenditure	Surplus (+) or deficit (−) [2]		Domestic [3]	International [3]		
1800	903	20,817	281	214	+67					
1810	2,300	36,406	552	496	+56					
1820	4,500	72,492	1,112	1,161	−49					
1830	8,450	115,176	1,851	1,933	−82					
1840	13,468	155,739	4,544	4,718	−175	0.27				
1850	18,417	178,672	5,500	5,213	+287	.20			[5] 2	
1860	28,498	240,594	8,518	19,171	−10,653	.27			216	
1865	20,550	142,340	14,556	13,695	+917	.42	[6] 1,360		387	
1870	28,492	231,232	18,880	23,999	−5,098	.49	34,054	[7] 22	468	
1875	35,547	277,873	26,791	33,611	−6,820	.61	77,431	1,965	682	
1880	42,989	343,888	33,315	36,543	−3,222	.66	100,353	3,464	876	
1885	51,252	365,251	42,561	50,046	−7,481	.76	117,859	6,840	1,465	
1890	62,401	427,990	60,882	66,260	−5,401	.97	114,363	13,230	2,220	4,005
1894	69,805	454,746	75,080	84,994	−9,978	1.11	138,794	13,792	2,602	4,919
1895	70,064	456,026	76,983	87,180	−10,230	1.12	156,709	12,906	2,795	5,134
1896	70,360	463,313	82,499	90,933	−8,444	1.17	172,101	13,853	3,025	5,694
1897	71,022	470,032	82,665	94,077	−11,432	1.15	174,483	13,588	3,064	5,781
1898	73,570	480,461	89,013	98,034	−9,055	1.22	191,354	13,240	3,418	6,214
1899	75,000	496,948	95,021	101,632	−6,630	1.28	211,214	13,745	3,693	6,576
1900	76,688	500,989	102,355	107,740	−5,410	1.34	238,921	16,749	3,999	7,130
1901	76,945	511,808	111,631	115,555	−3,982	1.43	274,546	20,073	4,239	7,424
1902	75,924	507,540	121,848	124,786	−2,961	1.53	313,551	22,974	4,621	8,085
1903	74,169	506,268	134,224	138,784	−4,587	1.66	353,628	35,238	5,271	8,887
1904	71,131	496,818	143,583	152,362	−8,813	1.74	378,778	42,550	5,331	9,502
1905	68,131	486,805	152,827	167,399	−14,594	1.81	396,903	47,516	5,751	10,188
1906	65,600	478,711	167,933	178,450	−10,543	1.96	444,516	63,048	6,284	11,361
1907	62,658	463,406	183,585	190,238	−6,692	2.11	479,650	84,081	7,061	12,256
1908	61,158	450,738	191,479	208,352	−16,910	2.15	498,700	88,972	7,651	13,364
1909	60,144	448,618	203,562	221,004	−17,480	2.24	491,075	76,755	8,732	14,005
1910	59,580	447,998	224,129	229,977	−5,881	2.43	547,994	99,743	9,067	14,850
1911	59,237	435,488	237,880	237,649	+219	2.53	578,111	109,605	10,046	16,901
1912	58,729	436,469	246,744	248,525	−1,786	2.58	583,337	97,660	9,929	17,589
1913	58,020	436,293	266,620	262,068	+4,511	2.74	624,489	102,668	10,813	18,567
1914	56,810	435,597	287,935	283,544	+4,376	2.91	667,231	101,963	11,112	
1915	56,380	433,334	287,248	298,546	−11,333	2.85	656,139	60,772	11,226	
1916	55,935	425,950	312,058	306,204	+5,829	3.05	719,365	46,357	11,672	
1917	55,414	454,835	329,726	319,839	+9,836	3.18	813,319	41,645	12,452	
1918 [8]	54,347	465,371	388,976	324,834	+64,127	3.70	904,650	35,865	13,066	
1919 [8]	53,084	455,498	436,239	362,498	+73,735	4.11	1,109,613	39,766	15,020	
1920	52,641	435,342	437,150	454,323	−17,270	4.10	1,332,700	32,960	13,213	
1921	52,168	434,349	463,491	620,994	−157,518	4.28	1,305,370	24,399	13,870	
1922	51,950	454,901	484,854	545,644	−60,815	4.41	1,205,327	20,651	14,262	
1923	51,613	460,171	532,828	556,851	−24,065	4.78	1,376,461	34,119	15,478	23,055
1924	51,266	467,896	572,949	587,377	−14,464	5.08	1,510,705	50,615	15,954	24,358
1925	50,957	464,269	599,591	639,282	−39,745	5.28	1,532,567	52,650	17,387	25,835
1926	50,601	470,779	659,820	679,704	−19,972	5.63	1,590,486	63,172	16,333	25,484
1927	50,266	478,662	683,122	714,577	−31,506	5.76	1,647,580	68,952	16,000	26,687
1928	49,944	487,778	693,634	725,700	−32,121	5.78	1,630,157	71,520	16,676	26,837
1929	49,482	500,518	696,948	782,344	−85,461	5.73	1,658,443	76,113	16,917	27,952
1930	49,063	518,617	705,484	803,667	−98,216	5.75	1,714,576	72,708	16,269	27,888
1931	48,733	546,797	656,463	802,485	−146,066	5.29	1,559,549	62,228	15,559	26,544

[1] Not counting rural free delivery routes.

[2] Audited postal surplus or deficit which is greater or less than excess of receipts or expenditures by the amount of adjusted losses and contingencies.

[3] International includes foreign countries on domestic basis. For explanation see headnote Table 344.

[4] Data are for continental United States and are estimates except in 1923 and beginning with 1926, when figures are accurate calculations. No estimates made from 1914 to 1922, inclusive.

[5] Postage stamps first issued under act of Mar. 3, 1847, and placed on sale at New York July 1, 1847.

[6] From Nov. 1, 1864, when money-order system first went into operation, to June 30, 1865.

[7] From Sept. 1, 1869, to June 30, 1870. International money orders first issued under convention of Oct. 12, 1867.

[8] Gross revenues of department for 1918 and 1919 include $44,500,000 and $71,292,000, respectively, war-tax revenue accruing from increased postage.

Source: Annual Reports of the Postmaster General.

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No. 343.—REVENUES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

[All figures in thousands of dollars]

Item	1910	1915	1920	1925	1928	1929	1930	1931
Total	224,129	287,248	437,150	599,591	693,634	696,848	705,484	656,463
Ordinary postal revenue	219,339	279,460	424,406	585,333	675,043	676,651	686,426	637,834
Stamps, postal cards, etc.	202,065	256,037	379,587	507,572	576,199	575,407	574,851	524,524
Second-class postage paid in money (pound rates)[1]	8,174	10,468	25,100	29,619	32,651	27,825	28,584	25,371
Other postage paid in money under permit	4,418	7,527	12,960	39,301	55,986	63,729	73,545	78,622
Box rents	4,139	4,981	6,145	7,817	8,461	8,518	8,539	8,326
Miscellaneous	542	448	614	1,024	1,746	1,172	907	990
Money-order revenues	4,790	7,175	10,314	12,909	17,021	17,420	17,496	16,333
Revenue from postal savings		612	2,430	1,349	1,570	2,877	1,562	2,297

[1] For volume of this item, see Table 348.

No. 344.—POSTAL MONEY-ORDER BUSINESS: YEARS ENDED JUNE 30

NOTE.—For revenues from money orders, see Table 343. For value of orders issued for other years, see Table 342. Money orders are exchanged on a domestic basis not only within this country, but with its outlying possessions, Canada, Cuba, and numerous islands and minor countries neighboring the United States. International-basis orders are exchanged between the United States and its outlying possessions, on the one hand, and other than "domestic basis" foreign countries, on the other. In this table, however, "International" includes money orders exchanged between the United States and "domestic basis" foreign countries, and these are not included in "Domestic"

Item	1910	1915	1920	1925	1928	1929	1930	1931
Number of money-order offices	51,791	55,670	54,395	54,269	54,803	54,357	54,161	55,404
DOMESTIC[1]								
Orders issued:								
Number (1,000)	76,918	105,073	148,491	197,054	196,287	199,273	202,273	189,874
Amount (1,000 dollars)	547,994	656,139	1,332,700	1,532,567	1,630,157	1,658,443	1,714,576	1,559,549
Orders paid:								
Number (1,000)	76,496	103,884	147,520	196,038	196,932	199,205	201,453	190,255
Amount (1,000 dollars)	545,632	652,786	1,333,046	1,531,597	1,629,443	1,657,276	1,713,681	1,560,972
Excess of issues:[2]								
Number (1,000)	422	1,190	971	1,015	−644	68	820	−381
Amount (1,000 dollars)	2,362	1,353	−346	970	714	1,167	895	−1,423
INTERNATIONAL[3,4]								
Orders issued:								
Number (1,000)	4,500	3,055	1,852	2,966	3,843	4,017	3,978	3,705
Amount (1,000 dollars)	99,743	60,772	32,960	52,650	71,520	76,113	72,708	62,228
Orders paid:								
Number (1,000)	1,956	2,217	1,508	1,765	2,129	2,198	2,161	2,076
Amount (1,000 dollars)	27,244	24,743	25,362	19,765	26,402	27,477	25,825	24,223
Excess of issues:[2]								
Number (1,000)	2,544	837	343	1,201	1,714	1,819	1,817	1,629
Amount (1,000 dollars)	72,499	36,029	7,598	32,886	45,119	48,635	46,883	38,005
FOREIGN "DOMESTIC BASIS"[5]								
Paid in foreign countries:								
Number (1,000)	667	655	601	938	1,049	1,063	1,034	1,004
Amount (1,000 dollars)	10,184	9,110	9,568	16,920	20,323	22,788	20,921	18,708
Paid in the United States:								
Number (1,000)	1,566	1,936	1,246	1,498	1,753	1,813	1,751	1,675
Amount (1,000 dollars)	17,766	18,386	17,916	15,118	19,101	19,911	17,935	16,097

[1] Domestic money orders first issued Nov. 1, 1864, under act of Congress approved May 17, 1864.
[2] Minus sign indicates excess of payments.
[3] Includes foreign countries on "domestic basis."
[4] International money orders first issued Sept. 1, 1869, under Postal Convention of Oct. 12, 1867.
[5] Included under "International" above.

Source of Tables 343 and 344: Annual Reports of the Postmaster General.

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No. 345.—EXPENDITURES, UNITED STATES POSTAL SERVICE: YEARS ENDED JUNE 30

NOTE.—**All figures in thousands of dollars.** For total expenditures see Table 342. Data cover expenditures during the specified fiscal year, whether on account of that year or of previous years

Item	1910	1915	1920	1925	1928	1929	1930	1931
Service in post offices (total)	107,771	139,937	234,102	338,046	402,210	421,226	429,571	426,199
Salaries of postmasters	27,514	30,400	40,108	47,562	50,626	53,177	52,850	52,138
Salaries of clerks, etc	38,045	53,317	102,319	153,336	187,824	197,459	201,972	200,613
City delivery service	31,805	42,668	63,626	95,161	118,856	123,936	127,890	127,685
All other expenditures	10,405	13,552	28,049	41,987	44,904	46,654	46,860	45,763
Railway Mail Service	19,389	28,408	38,711	52,906	58,681	61,368	61,888	61,115
Rural Delivery Service	37,074	49,806	75,794	93,163	105,014	105,904	106,347	106,487
Transportation of domestic mail	61,940	76,914	99,520	142,141	146,154	172,957	176,984	173,309
By railroads	49,405	59,576	70,714	99,720	98,935	117,500	117,265	111,720
By other means	12,535	17,338	28,805	42,421	47,219	55,457	59,720	61,589
Transportation foreign mail	3,204	3,273	5,912	9,175	9,624	16,663	24,449	30,979
Payment account of invalid money orders	600	208	284	138	146	149	131	135
Post Office Department [1]				3,712	3,871	4,077	4,298	4,261

[1] Paid out of the General Treasury prior to 1923.

No. 346.—TRANSPORTATION OF DOMESTIC MAILS

NOTE.—**Amounts, except as indicated, in thousands of dollars.** Since Nov. 1, 1916, all service on steam railroads is authorized and paid for under the space basis system; formerly, payments were based on a system of quadrennial weighings. Railway mail space units of service vary in size and character and may consist of a car, a section of a car, or a closed pouch carried on a car. Some cars are railway post offices, others are for storage only, over 20 classes of units being distinguished. The "equated unit" represents a calculation of the equivalent of all the different units in terms of a 60-foot car. Annual rate of expenditure (regular authorizations) represents estimated cost for transporting normal mail traffic over regular routes only, based on contracts outstanding at the end of each fiscal year. "Annual cost" includes emergency and side and transfer service. Average rates are based on "regular authorizations"

Class of service and item	Year ended June 30, or as of June 30 of year specified						
	1910	1915	1920	1925	1929	1930	1931
Steam railway service:							
Length of routes (miles)	220,730	233,676	232,358	230,470	223,810	220,416	216,291
Annual travel (thousand miles)—							
Regular space units	[1]426,923	[1]499,011	561,827	579,256	572,328	564,801	531,219
Prorated to 60-foot car basis			218,349	226,395	230,318	228,478	220,112
Annual expenditure—							
Regular authorizations	49,302	58,149	83,731	88,991	103,087	103,970	100,203
Annual cost			89,661	107,491	124,014	125,243	120,250
Average rate of cost—							
Per mile of length (dollars)	223.36	248.84	360.35	386.12	460.60	471.70	463.27
Per unit mile traveled (cents)	[1]11.55	[1]11.65	14.90	15.36	18.01	18.41	18.86
Per 60-foot car mile (cents)			38.34	39.31	45.75	45.70	45.53
Railway mail service—							
Number of employees	16,795	19,599	20,407	20,693	21,229	21,185	20,945
Expenditure for salary	19,047	21,205	35,644	48,913	56,145	56,577	55,804
Electric railway service:							
Number of routes	539	569	543	288	240	224	211
Length of routes (miles)	7,198	8,183	8,043	8,042	7,566	7,012	6,737
Annual travel of space units (thousand miles)	[1]11,630	[1]13,948	[1]11,752	10,487	10,257	9,829	8,776
Annual rate of expenditure	674	819	471	566	644	571	510
Average cost per unit mile traveled (cents)	[1]5.79	[1]5.87	[1]4.01	5.39	6.28	5.81	5.81
Power boat service:							
Number of routes	217	260	266	284	263	265	261
Length of routes (miles)	27,256	32,402	34,642	49,791	39,044	40,130	43,196
Annual travel (thousand miles)	4,826	5,685	3,992	5,298	4,782	4,806	4,793
Annual rate of expenditure	705	990	[2]773	1,492	1,362	1,401	1,474
Average cost per mile traveled (cents)	14.61	17.42	19.36	28.16	28.48	29.15	30.74
Air mail service: [3]							
Length of routes (miles)		[4]218	3,094	2,665	14,406	14,907	23,488
Mileage scheduled (thousands)		[4]18	654	2,160	11,033	16,228	22,907
Miles traveled with mail (thousands)		[4]16	549	2,077	10,213	14,939	21,382
Mail carried [5] (thousand pounds)		[4]18	527	233	5,636	7,720	8,579
Cost of service		[4]14	1,264	2,744	11,169	14,618	16,944

[1] Annual travel in thousands of miles and average cost per mile traveled. Space basis was not in force.
[2] Exclusive of freight and express service to Alaska or New York Harbor service.
[3] All air mail service was Government-operated prior to 1926. In 1926 contract service was inaugurated. Government service was discontinued in 1927. All data represent total service.
[4] 1918 data.
[5] Beginning 1925, only specially paid air mail was carried.

Source of Tables 345 and 346: Annual Reports of the Postmaster General.

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No. 347.—CITY AND RURAL FREE DELIVERY AND STAR-ROUTE SERVICE

NOTE.—Free city delivery was inaugurated in 1863; rural free delivery in 1897. Star routes are mail routes between towns which are let on a contract basis. Data in all cases relate to contracts or organizations at June 30 and do not represent actual mileage traveled or expenditure during previous fiscal year. Star route service in Alaska is not included in the accompanying table, data for 1931 being as follows: Number of routes, 68; length, 11,784 miles; annual travel, 234,400 miles; annual rate of expenditure, $150,024

As of June 30—	City free delivery			Rural free delivery				Star routes	
	Number of offices	Number of carriers	Annual cost [1] (1,000 dollars)	Number of routes	Length of routes (miles)	Annual travel (1,000 miles)	Annual cost (1,000 dollars)	Number of routes (regular service)	Annual cost (1,000 dollars)
1870	51	1,362	1,231					7,295	5,050
1880	104	2,628	[1] 2,364					9,863	7,321
1885	178	4,358	[1] 4,880					12,371	5,415
1890	454	9,066	[1] 7,978					15,887	5,321
1895	604	12,714	12,145					20,733	5,754
1900	796	15,322	14,671	1,259	28,685		420	22,834	5,088
1905	1,144	21,778	20,923	32,110	721,237		20,865	17,199	7,342
1910	1,492	28,715	31,738	41,079	993,068	303,007	36,915	13,425	6,928
1914	1,759	32,292	37,981	43,652	1,060,679	322,432	47,377	11,970	8,001
1915	1,808	32,902	39,829	43,866	1,067,674	325,305	52,566	11,557	8,713
1916	1,864	34,114	40,520	42,927	1,083,070	326,485	51,952	11,391	8,466
1917	1,948	34,592	42,009	43,464	1,112,556	336,303	52,420	11,208	8,383
1918	1,992	34,593	42,790	43,453	1,127,110	344,100	52,196	10,958	8,606
1919	2,018	35,024	50,118	43,210	1,143,467	346,066	65,448	10,773	10,055
1920	2,086	36,142	62,841	43,445	1,151,832	348,627	75,562	10,739	11,106
1921	2,161	38,532	72,309	43,672	1,163,896	352,533	83,034	10,664	12,390
1922	2,229	39,485	75,226	44,186	1,180,448	357,254	84,430	10,715	12,641
1923	2,277	40,134	77,945	44,439	1,190,534	360,256	86,172	10,802	12,610
1924	2,325	43,829	82,904	44,760	1,205,714	363,670	86,765	10,862	12,735
1925	2,401	46,251	93,567	45,189	1,227,654	370,273	102,945	10,906	12,774
1926	2,522	48,238	105,370	45,318	1,249,978	377,046	104,117	10,991	12,955
1927	2,812	50,117	113,301	44,730	1,270,746	383,851	104,447	11,215	12,996
1928	2,899	51,293	117,490	44,288	1,289,613	390,054	105,008	11,472	13,541
1929	2,970	52,719	122,515	43,840	1,316,420	398,444	106,202	11,695	13,969
1930	3,050	53,762	126,426	43,278	1,334,842	404,738	106,378	11,788	14,281
1931	3,098	53,387	126,179	42,412	1,354,759	412,382	106,502	12,089	14,532

[1] Data represent audited expenditures; in 1880, 1885, and 1890 they include some incidental expense.

No. 348.—POSTAL SERVICE: VOLUME OF CERTAIN ITEMS OF BUSINESS. YEARS ENDED JUNE 30

NOTE.—For sales of postage stamps and other stamped paper and postage collected on second-class matter see Table 343

	1910	1915	1920	1925	1929	1930	1931
Transactions in stamped paper:							
Ordinary postage stamps issued (millions)	9,067	11,226	13,213	17,387	16,917	16,269	15,559
Stamped envelopes and wrappers issued (millions)	1,507	1,794	2,350	2,997	3,243	3,164	2,847
Postal cards issued (millions)	726	976	986	1,497	1,784	1,643	1,531
Pieces of mail carried [1] (millions)	14,850	----------	----------	25,835	27,952	27,888	26,544
Second-class matter carried:							
Free in county (1,000 pounds)	55,639	62,142	61,528	69,195	74,712	75,326	70,458
Paid at pound rates (1,000 pounds)	817,773	1,047,144	1,307,227	1,348,297	1,518,811	1,554,415	1,395,146
Foreign mails dispatched by sea:							
Letters (1,000 pounds)	[2] 3,142	3,401	4,608	5,640	6,859	7,103	6,825
Other articles (1,000 pounds)	[2] 17,832	22,848	66,725	66,229	80,496	83,377	76,997
Mail registered:							
Domestic, paid (1,000 pieces)	33,682	27,688	56,951	70,512	71,814	76,489	65,940
International, paid (1,000 pieces)	4,782	4,325	11,300	10,993	9,252	7,869	6,582
Official, free (1,000 pieces)	3,589	5,297	8,663	8,414	8,500	8,680	8,566
Registry fees (1,000 dollars)	3,594	3,201	6,825	8,850	12,319	12,807	11,006
Mail insured:							
Domestic, parcel post (1,000 pieces)	----------	18,012	95,385	152,078	130,664	126,421	111,345
International (1,000 pieces)	----------	----------	----------	603	695	649	576
Total fees paid (1,000 dollars)	----------	941	5,416	8,061	9,111	8,775	7,616
Mail sent C. O. D.:							
Total pieces sent (1,000)	----------	4,721	20,098	52,362	49,652	46,249	40,375
Total fees (1,000 dollars)	----------	472	2,070	5,562	6,257	5,825	5,055

[1] See note 4, Table 342.

[2] Excluding mails carried by domestic contract steamers, or steamers subsidized by foreign countries.

Source of Tables 347 and 348: Annual Reports of the Postmaster General.

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No. 349.—POSTAL SERVICE: By States and Outlying Areas

Division and State	Number of post offices, June 30, 1931	Mileage of rural free-delivery routes, June 30, 1931	Gross postal receipts [1]					
			1920	1925	1928	1929	1930	1931
			In thousands of dollars for years ended June 30					
Grand total	48,733	1,354,759	424,525	584,755	673,954	675,929	686,351	637,350
United States proper	48,359	1,354,705	423,463	583,427	672,445	674,261	684,610	635,670
New England	2,601	42,757	32,276	43,498	49,703	50,709	51,375	48,713
Maine	804	12,129	2,866	3,946	3,938	3,866	3,912	3,852
New Hampshire	374	6,257	1,504	2,035	2,323	2,271	2,286	2,186
Vermont	384	8,196	1,220	1,540	1,688	1,701	1,703	1,651
Massachusetts	633	7,987	18,913	25,064	28,669	29,414	29,627	27,822
Rhode Island	88	1,249	2,029	2,702	3,169	3,278	3,297	3,116
Connecticut	318	6,939	5,744	8,211	9,916	10,178	10,550	10,086
Middle Atlantic	5,655	113,793	117,897	161,532	190,060	190,406	194,927	180,932
New York	2,182	49,120	74,772	102,514	120,963	122,475	125,072	115,127
New Jersey	658	8,650	9,512	14,655	18,475	18,974	19,768	18,974
Pennsylvania	2,815	56,023	33,613	44,363	50,622	48,957	50,087	46,831
East North Central	6,318	302,660	107,343	151,924	174,274	174,502	175,748	158,948
Ohio	1,513	68,708	24,800	35,417	41,142	41,035	42,088	38,536
Indiana	1,017	59,154	9,226	13,774	15,755	15,625	15,613	14,316
Illinois	1,593	72,368	51,357	70,753	78,761	78,610	78,757	70,233
Michigan	1,156	52,902	13,199	18,978	23,364	24,271	24,133	21,661
Wisconsin	1,039	49,528	8,761	13,002	15,252	14,961	15,157	14,202
West North Central	7,269	329,379	53,971	73,365	80,297	79,905	80,641	75,214
Minnesota	1,188	53,585	10,847	15,836	17,063	17,306	17,614	16,332
Iowa	1,215	63,708	9,392	11,720	13,141	13,024	13,504	12,604
Missouri	1,730	60,717	18,624	27,230	29,896	29,141	28,988	26,590
North Dakota	672	29,358	2,062	2,360	2,668	2,756	2,721	2,595
South Dakota	624	24,933	2,066	2,539	2,783	2,816	2,750	2,632
Nebraska	820	37,178	5,504	6,663	7,180	7,188	7,279	7,006
Kansas	1,020	59,900	5,476	7,017	7,566	7,674	7,785	7,455
South Atlantic	8,618	188,570	34,415	46,072	53,227	52,224	52,293	49,630
Delaware	85	3,048	811	999	1,268	1,211	1,233	1,154
Maryland	662	11,401	5,292	7,101	8,695	8,658	8,519	7,865
District of Columbia	1	192	3,536	4,771	5,861	5,883	6,047	5,894
Virginia	2,140	29,469	5,621	7,236	8,070	7,901	7,985	7,540
West Virginia	1,829	11,279	3,154	4,395	4,781	4,645	4,611	4,321
North Carolina	1,413	40,724	4,138	5,814	6,593	6,504	6,830	6,540
South Carolina	646	25,764	2,289	2,530	2,652	2,595	2,174	1,972
Georgia	1,047	53,394	6,395	7,734	4,079	9,047	9,220	8,835
Florida	795	13,299	3,179	5,492	6,228	5,780	5,674	5,509
East South Central	5,533	140,890	15,546	20,576	23,927	23,500	23,736	21,453
Kentucky	2,668	25,703	4,392	6,283	7,088	6,827	6,827	6,286
Tennessee	962	44,173	5,289	7,107	8,441	8,388	8,546	7,718
Alabama	1,048	37,164	3,418	4,385	5,182	5,084	5,108	4,558
Mississippi	855	33,850	2,447	2,801	3,216	3,201	3,255	2,891
West South Central	5,401	155,548	24,678	30,646	35,787	36,490	37,240	34,670
Arkansas	1,284	24,763	2,928	3,585	3,837	3,841	3,828	3,375
Louisiana	884	13,864	4,015	5,055	5,445	5,407	5,486	5,123
Oklahoma	1,039	43,237	4,730	5,889	6,820	7,018	7,272	6,725
Texas	2,194	73,684	13,005	16,117	19,685	20,224	20,654	19,447
Mountain	3,752	36,057	12,173	15,004	16,551	16,906	17,276	16,385
Montana	821	6,737	2,016	2,180	2,397	2,507	2,446	2,299
Idaho	480	6,667	1,397	1,324	1,484	1,494	1,513	1,459
Wyoming	382	1,189	712	953	979	1,006	993	961
Colorado	719	15,156	4,398	5,878	6,497	6,516	6,819	6,447
New Mexico	540	2,812	679	900	1,012	1,056	1,089	1,082
Arizona	303	1,537	943	1,137	1,336	1,444	1,532	1,460
Utah	341	1,805	1,647	2,179	2,359	2,367	2,347	2,149
Nevada	166	154	386	453	487	516	537	528
Pacific	3,212	45,051	25,158	40,812	48,617	49,616	51,378	49,725
Washington	865	14,695	5,636	7,494	8,492	8,674	8,719	8,266
Oregon	767	9,887	3,324	4,809	5,361	5,308	5,436	5,153
California	1,580	20,469	16,198	28,509	34,764	35,634	37,223	36,306
Outlying offices	374	54	[2] 1,062	1,328	1,503	1,668	1,740	1,679
Alaska	179		82	71	90	88	104	91
Guam	1		1	2	2	3	3	3
Hawaii	94	54	352	611	710	745	774	780
Puerto Rico	94		406	522	539	536	527	538
Samoa (Tutuila)	1		2	2	[3]	[3]	[3]	[3]
Virgin Islands	5		17	11	13	12	15	13
Philatelic agency				109	154	284	317	255

[1] Revenues from money-order business, postal savings, and certain miscellaneous items not included.
[2] Includes receipts from agencies in China, France, and Siberia.
[3] Less than $500.

Source: Annual Reports of the Postmaster General.

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No. 350.—MONEY ORDERS: By States and Outlying Areas

NOTE.—Amounts in thousands of dollars for years ended June 30. "Domestic basis" money orders include those to or from "domestic basis" foreign countries. For explanation see headnote, Table 344

Division and State	Domestic basis money orders				International money orders			
	Issued		Paid		Issued		Paid	
	1930	1931	1930	1931	1930	1931	1930	1931
Grand total	1,735,496	1,578,257	1,731,616	1,577,069	51,788	43,520	7,890	8,126
United States proper	1,720,922	1,563,989	1,724,851	1,570,709	51,320	43,085	7,839	8,091
New England	148,356	139,259	135,885	128,715	5,085	4,456	666	683
Maine	16,974	16,220	10,578	9,691	139	136	36	32
New Hampshire	10,462	9,829	5,596	5,313	102	95	12	16
Vermont	8,319	7,423	4,224	3,841	57	50	10	14
Massachusetts	75,094	71,770	88,568	84,414	2,971	2,582	347	354
Rhode Island	9,865	8,937	7,769	7,151	328	293	46	44
Connecticut	27,642	25,080	19,150	18,305	1,488	1,300	215	223
Middle Atlantic	430,609	407,273	452,778	424,080	25,701	23,150	3,405	3,490
New York	245,312	239,815	278,098	264,150	17,981	16,567	2,140	2,243
New Jersey	59,991	56,741	42,433	41,201	4,082	3,534	421	483
Pennsylvania	125,306	110,717	132,247	118,729	3,638	3,049	844	764
East North Central	356,902	298,291	463,275	379,348	9,418	6,963	1,681	1,787
Ohio	83,437	69,438	97,269	80,903	1,492	1,171	385	352
Indiana	36,725	33,015	42,475	38,500	765	529	89	90
Illinois	108,339	104,015	229,716	191,847	4,202	3,267	759	802
Michigan	81,178	51,636	61,265	38,736	2,061	1,390	297	374
Wisconsin	47,223	40,187	32,550	29,362	898	606	151	169
West North Central	171,245	162,479	189,477	177,648	1,583	1,122	437	426
Minnesota	37,519	34,474	57,027	49,646	418	356	114	122
Iowa	30,375	29,405	23,960	24,133	191	168	53	56
Missouri	37,280	35,965	71,764	66,557	411	232	128	123
North Dakota	14,828	13,436	6,089	6,583	67	46	21	24
South Dakota	13,740	14,104	5,367	6,020	58	45	15	16
Nebraska	17,065	16,426	13,737	13,379	163	135	78	62
Kansas	20,438	18,669	11,533	11,330	275	140	28	23
South Atlantic	183,552	173,610	155,882	149,716	1,111	1,029	342	387
Delaware	3,234	2,909	1,459	1,288	70	59	9	9
Maryland	19,624	18,190	25,938	22,867	289	245	37	55
District of Columbia	9,909	10,520	18,523	17,111	243	235	181	174
Virginia	23,458	21,362	17,676	17,047	102	98	14	16
West Virginia	25,394	21,210	11,199	9,828	66	61	45	69
North Carolina	22,227	22,823	15,068	15,346	51	46	7	9
South Carolina	15,212	13,963	8,294	7,670	31	35	3	2
Georgia	27,329	24,782	34,181	34,132	56	52	9	10
Florida	37,165	37,851	23,544	24,427	203	198	37	43
East South Central	75,674	61,627	53,196	47,391	163	153	31	33
Kentucky	18,404	15,826	10,951	10,081	62	56	9	10
Tennessee	18,514	15,601	24,804	21,206	52	49	8	9
Alabama	19,791	15,852	10,990	9,740	40	38	9	10
Mississippi	18,965	14,348	6,451	6,364	9	10	5	4
West South Central	122,031	108,819	81,304	81,672	1,159	715	225	229
Arkansas	19,004	15,968	9,729	9,754	19	14	5	5
Louisiana	20,717	17,045	13,861	12,563	94	76	19	27
Oklahoma	29,672	23,515	16,865	15,017	94	57	15	24
Texas	52,638	52,291	40,849	44,338	952	568	186	173
Mountain	81,795	71,203	52,730	47,589	1,506	944	178	181
Montana	16,407	13,523	7,904	7,024	230	135	22	30
Idaho	9,303	7,972	3,383	3,167	86	71	11	11
Wyoming	7,586	6,688	1,912	1,687	100	75	6	13
Colorado	16,628	15,449	20,403	18,525	260	203	57	70
New Mexico	9,131	8,436	3,306	2,944	111	51	29	7
Arizona	10,929	9,020	5,327	5,058	341	148	23	20
Utah	7,809	6,539	8,853	7,639	279	199	27	27
Nevada	4,002	3,576	1,642	1,545	99	62	3	3
Pacific	150,759	141,431	140,324	134,551	5,598	4,551	871	876
Washington	31,898	27,656	28,152	25,047	755	595	103	120
Oregon	17,335	15,441	17,409	15,359	329	245	42	52
California	101,526	98,334	94,763	94,145	4,514	3,711	723	704
Outlying offices	14,575	14,288	6,765	6,360	467	435	51	34
Alaska	2,880	2,644	561	501	88	71	4	3
Guam	74	51	5	6	2	4	19	(1)
Hawaii	6,931	6,860	1,866	1,863	339	332	24	26
Puerto Rico	4,150	4,248	4,208	3,884	17	17	3	4
Samoa (Tutuila)	42	35	5	2	13	4	----	----
Virgin Islands	498	431	120	104	8	7	1	1

[1] Less than $500.

Source: Annual Reports of the Postmaster General.

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17.—TELEPHONE, TELEGRAPH, AND CABLE SYSTEMS

[Data cover public telephone systems and land (wire) and wireless commercial telegraph systems operated in continental United States and commercial cable systems operated by companies incorporated in United States]

No. 351.—TELEPHONE SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES, REVENUE, AND INVESTMENT

NOTE.—The more detailed data were collected only for companies reporting an annual income of $5,000 or more previous to 1922 and $10,000 or more in 1922 and 1927

[All money figures in thousands of dollars]

	1902 [1]	1907	1912	1917	1922	1927
ALL SYSTEMS						
Number of systems and lines	9,136	22,971	32,233	53,234	57,253	60,148
Miles of wire (thousands)	4,900	12,999	20,248	28,827	37,266	63,836
Number of telephones (thousands)	2,371	6,119	8,730	11,717	14,347	18,523
Number of calls originating with systems reporting (millions)	([2])	([2])	([2])	21,846	24,648	31,614
Number of employees	([2])	([2])	([2])	262,629	312,015	375,272
Salaries and wages	([2])	([2])	([2])	175,670	352,926	486,597
Revenue, operating [3]	([2])	([2])	([2])	363,832	665,568	1,023,574
Investment in plant and equipment	([2])	([3])	([3])	1,492,329	2,205,183	3,548,875
SYSTEMS REPORTING ANNUAL INCOME OF $5,000 OR MORE, 1902–1917, AND THOSE REPORTING $10,000 OR MORE, 1922 AND 1927						
Number of systems and lines	4,151	1,636	1,916	2,200	1,323	1,368
Miles of wire, total (thousands)	4,850	11,922	19,019	27,298	35,503	62,277
Underground	([4])	([4])	9,165	14,849	21,440	39,893
Overhead	([4])	([4])	9,854	12,449	14,063	22,384
Exchange lines	([4])	([4])	16,336	23,723	30,907	54,281
Toll lines	([4])	([4])	2,683	3,575	4,596	7,996
Number of telephones (thousands)	2,315	4,907	7,327	9,954	12,295	16,713
Number of central offices	10,361	10,613	11,515	12,294	10,666	11,485
Number of private-branch exchanges	7,883	28,276	52,651	80,914	102,622	([5])
Number of calls originating with systems reporting (millions)	[6] 5,071	10,400	13,736	19,809	21,901	29,196
Local exchange	[6] 4,950	10,161	13,395	19,366	21,235	28,109
Long distance or toll	[6] 121	240	341	443	666	1,087
Number of employees	78,752	131,670	183,361	244,490	290,333	356,739
Salaries and wages	36,256	65,009	96,041	169,655	341,538	475,840
Operators (included above):						
Number	39,858	72,518	96,332	138,971	159,558	([5])
Male	2,525	2,457	1,972	1,679	932	([5])
Female	37,333	70,061	94,360	137,292	158,626	([5])
Wages	10,765	22,637	32,474	66,137	138,897	([5])
BELL SYSTEM (INCLUDED ABOVE)						
Miles of wire (thousands)	3,388	8,947	15,133	23,134	30,614	56,819
Number of telephones (thousands)	1,317	3,132	5,087	7,327	9,515	13,726
Number of originating calls (millions)	3,075	6,401	9,133	14,598	16,567	23,693
SYSTEMS REPORTING ANNUAL INCOME OF LESS THAN $5,000, 1902–1917, AND LESS THAN $10,000, 1922 AND 1927						
Miles of wire (thousands)	50	1,077	1,229	1,529	1,763	1,559
Number of telephones (thousands)	56	1,212	1,403	1,763	2,052	1,810
Number of originating calls (millions)	([4])	([4])	([4])	2,037	2,746	2,418

[1] Statistics for 1902 not strictly comparable with those for later years, except miles of wire and number of telephones.
[2] Not reported except for the larger systems and lines.
[3] Including assessments of mutual companies.
[4] Comparable data not available.
[5] Not called for on schedule.
[6] Number shown for all systems and lines.

Source: Bureau of the Census, Department of Commerce.

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No. 352.—TELEPHONE SYSTEMS: MILES OF WIRE, NUMBER OF TELEPHONES AND NUMBER OF ORIGINATING CALLS, ALL SYSTEMS AND LINES, BY STATES

Division and State	Miles of wire		Number of telephones				Telephones per 1,000 population, 1927	Number of originating calls (millions)	
	1922	1927	1902	1912	1922	1927		1922	1927
United States	**37,265,958**	**63,836,182**	**2,371,044**	**8,729,592**	**14,347,395**	**18,522,767**	**155**	**24,648**	**31,614**
New England	**3,346,608**	**5,586,569**	**166,167**	**625,488**	**1,223,497**	**1,548,931**	**188**	**1,909**	**2,328**
Maine	210,707	326,120	14,070	68,914	113,725	131,367	165	184	214
New Hampshire	134,326	211,448	9,949	40,017	68,874	83,066	183	104	117
Vermont	78,991	105,645	12,151	40,142	54,530	60,793	172	83	84
Massachusetts	1,908,091	3,165,833	96,512	329,992	687,700	867,888	203	1,100	1,334
Rhode Island	213,713	429,451	33,485	41,664	92,766	114,944	162	125	117
Connecticut	800,780	1,348,072		104,759	205,902	290,873	176	313	462
Middle Atlantic	**10,813,580**	**19,992,689**	**483,054**	**1,782,145**	**3,249,710**	**4,588,211**	**183**	**4,826**	**6,903**
New York	6,121,696	11,592,418	247,340	970,449	1,780,563	2,595,537	226	2,728	3,935
New Jersey	1,523,354	3,012,459	48,980	185,632	383,496	599,336	158	473	774
Pennsylvania	3,173,530	5,387,812	186,734	626,064	1,085,651	1,393,338	142	1,625	2,199
East North Central	**8,763,146**	**15,223,410**	**740,059**	**2,378,257**	**3,693,101**	**4,589,751**	**185**	**6,077**	**7,538**
Ohio	2,415,187	3,658,505	224,083	631,206	962,837	1,122,036	166	1,555	1,958
Indiana	1,058,314	1,558,005	136,561	354,550	508,726	552,249	175	959	1,061
Illinois	3,060,595	5,688,146	221,008	807,253	1,283,449	1,685,690	229	2,018	2,571
Michigan	1,390,945	2,967,217	95,415	335,074	508,140	711,315	156	856	1,140
Wisconsin	838,105	1,351,537	62,992	250,174	429,949	518,461	177	689	808
West North Central	**4,487,007**	**6,044,901**	**399,855**	**1,621,523**	**2,315,996**	**2,594,081**	**196**	**4,083**	**4,577**
Minnesota	1,147,278	1,422,716	63,192	272,359	424,777	487,611	180	804	931
Iowa	757,600	960,226	138,400	380,294	533,347	565,533	233	808	916
Missouri	1,247,503	1,988,764	103,155	404,150	550,980	657,946	187	1,046	1,239
North Dakota	124,873	140,923	6,762	51,241	77,586	86,198	134	110	129
South Dakota	108,414	154,601	10,387	65,858	101,555	107,641	154	159	171
Nebraska	514,374	606,425	36,766	201,689	273,500	295,274	210	520	524
Kansas	586,965	771,246	41,193	245,932	354,251	393,878	215	636	637
South Atlantic	**2,448,857**	**4,244,852**	**146,765**	**531,402**	**937,324**	**1,262,222**	**79**	**1,818**	**2,426**
Delaware	93,891	118,539	36,383	15,842	23,534	28,901	119	41	53
Maryland	540,089	936,353		84,801	153,790	197,135	123	237	294
District of Columbia	314,636	540,152		46,603	102,231	144,985	266	121	186
Virginia	379,093	615,286	25,762	76,652	155,490	183,698	72	267	382
West Virginia	226,739	349,899	22,801	80,251	116,081	146,677	86	203	279
North Carolina	199,594	392,455	17,036	65,152	116,129	160,507	55	274	379
South Carolina	126,284	171,678	10,753	33,239	54,078	64,616	35	125	146
Georgia	390,382	538,751	25,761	96,436	136,334	173,410	54	372	437
Florida	178,149	581,739	8,269	32,426	79,657	162,293	117	178	270
East South Central	**1,248,559**	**2,001,125**	**112,851**	**337,292**	**521,120**	**644,270**	**69**	**1,274**	**1,537**
Kentucky	467,781	722,120	46,949	130,751	201,545	222,735	87	429	485
Tennessee	399,932	642,096	36,392	104,353	171,413	220,559	88	479	559
Alabama	229,934	421,927	14,170	56,292	84,401	121,115	47	219	313
Mississippi	150,912	214,982	15,340	45,896	63,761	79,861	45	147	180
West South Central	**2,148,789**	**3,619,976**	**114,939**	**543,102**	**872,157**	**1,149,357**	**98**	**1,963**	**2,649**
Arkansas	219,398	318,868	16,928	68,303	99,490	118,178	61	216	239
Louisiana	256,372	560,262	17,543	46,602	87,354	137,610	71	260	385
Oklahoma	424,005	655,102	15,732	116,217	222,889	278,912	116	462	581
Texas	1,249,014	2,085,744	64,736	311,980	462,424	614,657	113	1,025	1,444
Mountain	**927,662**	**1,198,550**	**48,087**	**226,652**	**385,730**	**456,198**	**117**	**636**	**780**
Montana	120,725	135,536	5,451	35,537	55,115	59,238	108	75	81
Idaho	105,027	111,940	3,886	29,454	48,745	54,822	101	88	128
Wyoming	50,223	60,622	[1] 7,258	9,946	24,949	28,049	114	42	39
Colorado	412,816	559,873	24,533	90,397	150,652	183,250	169	247	313
New Mexico	37,428	48,765	2,510	10,346	18,342	21,580	55	33	35
Arizona	55,518	89,305	3,264	11,224	24,353	33,194	71	31	37
Utah	129,193	167,393	[2]	34,064	53,261	63,106	120	104	127
Nevada	16,732	25,116	1,165	5,684	10,313	12,959	168	16	20
Pacific	**3,076,750**	**5,924,110**	**159,287**	**683,731**	**1,148,760**	**1,689,746**	**242**	**2,062**	**2,871**
Washington	533,515	739,138	31,447	150,016	238,275	299,109	190	449	554
Oregon	368,342	490,820	21,190	99,713	146,847	185,171	207	277	331
California	2,174,893	4,694,152	106,650	434,002	763,638	1,205,466	268	1,336	1,986

[1] Includes Utah.

[2] Included with Wyoming.

Source: Bureau of the Census, Department of Commerce.

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No. 353.—TELEPHONE SYSTEMS: TOTAL NUMBER OF TELEPHONES, ALL SYSTEMS, AND NUMBER OF TELEPHONES AND MILES OF WIRE IN THE BELL SYSTEM

Dec. 31—	Total telephones [1]	Bell system		Dec. 31—	Total telephones [1]	Bell system	
		Telephones [2]	Miles of wires			Telephones [2]	Miles of wire
1895	339,500	309,502	675,415	1922	[3] 14,347,395	14,050,565	30,616,522
1900	1,355,900	855,911	1,961,801	1923	15,369,500	15,000,101	34,523,842
1905	4,126,900	2,530,924	5,779,918	1924	16,072,500	15,906,550	39,893,619
1910	7,635,400	5,882,719	11,642,212	1925	16,935,900	16,720,224	45,473,540
1915	10,523,500	9,172,495	18,505,545	1926	17,746,000	17,574,252	50,861,150
1916	11,241,400	9,893,610	19,850,315	1927	[3] 18,522,767	18,365,486	56,822,895
1917	[3] 11,716,520	10,539,576	22,610,487	1928	19,341,000	19,197,035	62,192,744
1918	12,077,600	11,065,999	23,346,132	1929	20,068,000	19,958,000	69,519,425
1919	12,668,500	11,795,747	24,162,999	1930	20,201,000	20,098,059	76,248,265
1920	13,329,400	12,601,935	25,377,404	1931	19,690,000	19,596,000	79,239,000
1921	13,875,200	13,380,219	27,819,821				

[1] Partly estimated, except as indicated.
[2] Bell-owned and Bell-connecting (owned by other companies).
[3] From Bureau of the Census.

No. 354.—AMERICAN TELEPHONE & TELEGRAPH CO. AND ASSOCIATED OPERATING COMPANIES (BELL TELEPHONE SYSTEM): SUMMARY OF STATISTICS

	1910	1915	1920	1925	1929	1930	1931
	Operating statistics and employees as of Dec. 31 (in thousands, except as indicated)						
Exchange messages, daily average	21,681	25,184	31,835	46,702	61,034	62,365	62,205
Toll messages, daily average	603	819	1,327	2,098	3,139	2,933	2,700
Central offices (number)	4,933	5,300	5,702	6,017	6,396	6,585	6,645
Miles of wire, total	11,642	18,506	25,377	45,474	69,519	76,248	79,239
Aerial wire	5,625	7,932	9,630	14,991	23,953	26,023	27,025
Underground wire	6,017	10,573	15,748	30,483	45,566	50,225	52,214
Exchange wire	9,678	16,052	21,604	39,841	58,511	62,867	64,703
Toll wire	1,964	2,453	3,773	5,633	11,008	13,381	14,536
Telephone stations, total	5,883	9,172	12,602	16,720	19,958	20,098	19,596
Bell-owned [1]	3,933	5,968	8,334	12,035	15,414	15,682	15,390
Bell-connecting (owned by other companies)	1,950	3,204	4,268	4,685	4,544	4,416	4,206
Employees (number)	120,311	156,294	231,316	293,095	364,045	324,343	294,766
	Income statement year ended Dec. 31 (in thousands of dollars) [2]						
Gross revenues	165,613	239,910	461,135	761,219	1,114,760	1,151,566	1,112,325
Expenses	114,618	173,728	381,626	578,776	838,073	883,692	854,226
Net revenue	50,994	66,182	79,509	182,443	276,687	267,874	258,099
Interest	11,557	18,096	31,724	45,940	59,582	66,228	64,720
Net income	39,438	48,086	47,785	136,503	217,105	201,646	193,379
Dividends	25,161	32,897	40,000	93,243	132,224	156,625	180,904
Balance	14,277	15,189	7,785	43,260	84,881	45,021	12,475
	Telephone plant, capital stock, and funded debt Dec. 31 (in thousands of dollars) [2]						
Telephone plant	611,000	880,069	1,363,826	2,524,906	3,671,100	4,043,422	4,195,064
Capital stock	344,645	440,711	511,493	1,144,619	1,611,862	2,155,053	2,172,897
Funded debt	224,792	353,236	585,794	890,337	1,148,540	1,115,592	1,054,825

[1] Includes private line stations.
[2] All duplications between companies excluded.

Source of Tables 353 and 354: American Telephone & Telegraph Co.

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No. 355.—TELEPHONE SYSTEMS: REPORTS TO INTERSTATE COMMERCE COMMISSION

NOTE.—Companies engaged in interstate business are required to report both as regards interstate and intrastate business. Prior to 1923 the classification of companies based on the amount of annual operating revenues was as follows: Class A, over $250,000; Class B, $50,000 to $250,000; Class C, $10,000 to $50,000. Class B now includes companies with revenues from $100,000 to $250,000 and Class C those with revenues from $50,000 to $100,000. The smaller companies, Class D, are not covered in the table

Year ended Dec. 31—	Miles of wire (thousands)	Number of company stations (thousands)	Operating revenues	Operating expenses	Operating income before deduction of taxes	Operating income after deduction of taxes	Investment: Plant and equipment	Investment: All other
			Thousands of dollars					
All companies:								
1916	23,699	8,963	314,801	209,233	(1)	(1)	1,217,756	(1)
1920	29,640	-------	530,349	(1)	(1)	88,024	1,704,304	1,122,289
1924	44,066	-------	729,826	513,779	(1)	156,713	2,501,828	1,491,939
1925	49,773	13,875	818,218	556,993	257,231	193,599	2,790,056	1,633,124
1926	56,021	14,812	907,564	608,150	294,925	219,508	3,101,797	1,744,637
1927	62,096	15,702	979,414	658,231	316,951	235,047	3,367,860	1,953,742
1928	67,790	16,648	1,068,478	715,032	348,175	260,641	3,666,739	2,030,651
1929	75,729	17,697	1,172,863	791,612	375,018	284,968	4,070,131	2,337,207
1930	82,783	17,904	1,209,665	831,500	369,990	277,135	4,445,139	2,658,091
Class A companies:								
1920	27,402	9,294	486,427	375,372	112,069	81,362	1,518,660	1,092,698
1925	48,487	13,037	792,428	539,072	248,476	186,777	2,674,926	1,631,335
1930	81,517	17,128	1,183,503	813,734	360,674	269,717	4,312,385	2,652,428
1931	(1)	16,887	1,155,934	779,286	367,700	272,292	(1)	(1)
Class B companies: 1930	864	497	17,401	11,478	5,902	4,585	74,332	4,479
Class C companies: 1930	402	279	8,761	6,288	3,414	2,833	58,422	1,184

[1] Data not available.

Source: Interstate Commerce Commission.

No. 356.—WIRELESS TELEGRAPH SYSTEMS: SUMMARY OF STATISTICS

NOTE.—1917 omitted owing to war conditions

	1907	1912	1922	1927
Number of companies or systems	5	4	4	5
Number of messages	154,617	[1] 285,091	2,365,109	3,777,538
Number of tower stations	117	74	37	55
Income, total	$106,791	$669,158	[2] $8,111,102	[2] $24,829,340
Expenses, total	$160,329	$664,420	$5,111,574	$12,866,636
General operation and maintenance	$117,480	$588,712	$3,534,474	$5,116,264
Interest and taxes	$5,562	$7,826	$156,457	$249,435
All other expenses	$37,287	$67,882	$1,420,643	$7,500,937
Net income		$4,738	$2,999,528	$11,962,704
Deficit	$53,538			
Assets, total	$32,958,897	$10,377,197	$46,494,909	$81,147,512
Plant and equipment	$317,614	$1,205,770	$34,716,814	$35,751,904
Investment and marketable securities, long-term advances, and miscl. investments			$1,225,169	$17,711,483
Cash and current assets	$32,196,456	$9,171,427	[3] $4,427,830	$19,312,823
Materials and supplies			$5,883,877	$6,831,530
Sundries			$241,219	$1,387,342
Deficit	$444,827			$152,430
Liabilities, total	$32,958,897	$10,377,197	$46,494,909	$81,147,512
Capital stock	$32,676,242	$9,602,570	$36,034,309	$38,174,134
Funded and long-term debt			$525,000	
Floating debt	$282,655	$287,866	$659,280	$320,961
Accounts payable			$3,254,556	$11,436,628
Reserves (depreciation and other)			$4,040,280	$17,206,630
Sundries		$313,777	$1,172,599	$5,746,973
Surplus		$172,984	$808,885	$8,262,186
Number of employees	176	958	1,258	1,985
Salaries and wages	$81,771	$393,606	$2,095,506	$2,558,179

[1] Includes 5,013 land messages sent over a leased wire by a wireless company doing a land-telegraph business also.

[2] Includes revenues from transmission for 1922, $4,207,785; for 1927, $6,226,188; other operating revenues, 1922, $3,644,201; 1927, $14,791,565; nonoperating income, 1922, $259,116; 1927, $3,811,587.

[3] Includes sinking funds and stock and bond discounts.

Source: Bureau of the Census, Department of Commerce.

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No. 357.—TELEGRAPH AND CABLE SYSTEMS: Summary of Reports to the Interstate Commerce Commission

[All money figures in thousands of dollars. Data are not available for 1918 and 1919]

Year ended Dec. 31—	Miles of wire (thousands)	Investments		Operating revenues	Operating ratio (per cent)	Operating income	Net income	Dividends
		Plant and equipment	Other					
All companies:								
1916	1,936	149,936	(1)	74,847	73.77	(1)	13,955	6,066
1917	1,937	152,462	(1)	90,791	74.82	(1)	13,807	7,078
1920	1,781	258,097	21,275	153,264	(1)	21,512	16,158	11,471
1921	1,858	270,976	20,549	136,663	(1)	18,667	13,311	9,078
1922	1,874	279,402	19,907	138,190	(1)	22,894	18,138	13,960
1923	1,894	288,481	27,001	144,610	81.11	21,025	16,656	9,309
1924	1,946	307,143	27,565	146,176	81.94	20,229	15,805	9,386
1925	2,075	321,687	28,191	162,693	81.64	23,204	18,854	9,066
1926	2,056	338,794	27,017	165,831	82.81	21,767	16,806	10,750
1927	2,207	379,514	27,434	170,843	80.58	25,714	21,046	11,618
1928	2,317	396,609	32,190	177,019	81.18	26,335	21,662	11,680
1929	2,365	411,725	54,285	188,574	82.59	26,333	21,611	18,828
1930	2,381	450,223	38,640	169,643	86.16	17,930	10,730	20,073
Western Union Co.: 1930	1,949	314,133	29,858	130,582	84.69	15,327	9,248	8,188
Mackay companies: 1930	363	78,321	4,298	27,770	100.43	627	2,183	----------

[1] Data not available.

Source: Interstate Commerce Commission.

No. 358.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: Financial Statistics

[All figures in thousands of dollars]

	1902	1912	1917	1922	1927
INCOME ACCOUNT					
Income, total	**40,930**	**64,763**	**109,703**	**151,858**	**182,998**
Telegraph traffic	35,301	60,403	106,990	146,805	177,589
From other sources	5,629	4,360	2,713	5,053	5,409
Expenses, total	**30,948**	**58,379**	**91,871**	**127,991**	**159,153**
Operation and maintenance	24,456	[1] 46,780	[1] 74,935	[1] 113,140	[1] 141,987
Interest and taxes	2,539	3,955	7,982	10,195	11,838
All other	3,953	7,644	[2] 8,954	[2] 4,656	[2] 5,328
Net income[3]	9,982	6,384	17,832	23,867	23,845
Dividends	6,257	6,180	9,817	10,716	14,199
BALANCE SHEET					
Assets	**195,504**	**298,289**	**363,017**	**459,469**	**572,939**
Plant and equipment	161,680	222,047	243,358	326,662	426,699
Securities and investments	25,940	33,934	56,035	78,839	52,270
Cash and current assets	7,884	[4] 42,308	[4] 63,624	[4] 53,969	[4] 93,970
Liabilities	**195,504**	**298,289**	**363,017**	**459,469**	**572,939**
Capital stock	117,053	163,646	167,260	177,204	180,095
Funded debt	45,893	62,741	61,828	71,394	97,037
Reserve	7,860	20,804	53,663	90,222	118,031
Other liabilities	6,619	35,248	45,484	50,133	64,557
Net surplus	18,079	15,850	34,782	70,517	113,219

[1] Includes charges for depreciation.
[2] Includes payment for use of leased lines.
[3] Total income less all expenses, including depreciation; for 1917, 1922, and 1927, does not include charges for sinking and other reserve funds.
[4] Includes sinking funds and stock and bond discount.

Source: Bureau of the Census, Department of Commerce.

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No. 359.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: FINANCIAL STATISTICS

NOTE.—Western Union figures, which constitute the largest item of the totals, do not segregate land telegraph from ocean-cable business and are shown as totals under land telegraphs. Consequently, data in these columns overstate and those under ocean cables understate the true amounts

[All figures in thousands of dollars]

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
INCOME ACCOUNT								
Income, total	56,293	92,954	130,539	162,860	8,470	16,749	21,319	20,137
Telegraph traffic	52,337	91,313	128,631	159,682	8,066	15,677	18,174	17,907
From other sources	3,956	1,642	1,908	3,178	404	1,072	3,145	2,230
Expenses	52,863	80,829	114,864	146,771	5,516	11,042	13,127	12,382
Net income	[1] 3,431	[1] 12,125	[1] 15,675	[1] 16,089	2,953	5,707	8,193	7,755
BALANCE SHEET								
Assets	190,706	226,407	321,913	412,720	107,583	136,610	137,557	160,219
Plant and equipment	[2] 143,911	[2] 163,488	254,030	338,143	[3] 78,136	[3] 79,871	72,632	88,556
Securities and investments	17,123	29,565	31,875	12,567	16,811	26,470	46,964	39,704
Cash and current assets	[4] 29,672	[4] 33,355	[4] 36,008	[4] 62,010	[5] 12,636	[5] 30,269	[5] 17,961	[5] 31,959
Liabilities	190,706	226,407	321,913	412,720	107,583	136,610	137,556	160,219
Capital stock	108,156	106,360	104,466	104,472	55,490	60,900	72,738	75,623
Funded debt	[6] 34,741	[6] 33,828	67,394	92,872	[7] 28,000	[7] 28,000	4,000	4,165
Reserves	5,255	20,627	46,773	64,607	15,549	33,036	43,449	53,424
Other liabilities	33,201	37,024	40,430	57,983	2,047	8,460	9,702	6,574
Net surplus	9,353	28,568	62,849	92,786	6,497	6,214	7,668	20,433

[1] Total income less all expenses, including depreciation; for 1917, 1922, and 1927 does not include charges for sinking and other reserve funds.

[2] Not including land-line-system plant and equipment to the value of $20,000,000 reported as cable-system plant and equipment for 1912 and 1917. (In statistics for preceding censuses an item of $20,000,000 funded debt, offset by the same amount for plant and equipment, was carried against ocean-cable telegraphs. This debt being really a land-line-system debt, is eliminated from the figures for ocean-cable system in 1922 and 1927.)

[3] Includes land-line-system plant and equipment to the value of $20,000,000 (see note 2).

[4] Includes sinking funds and stock and bond discount.

[5] Includes sinking and other special funds.

[6] Not including land-line-system funded debt to the amount of $20,000,000 reported as cable-system indebtedness in 1912 and 1917 (see note 2).

[7] Includes land-line-system indebtedness to the amount of $20,000,000 (see note 2).

No. 360.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS COMBINED: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES, AND WAGES

	1902	1912	1917	1922	1927
Miles of pole line [1]	237,990	247,528	241,128	252,991	256,809
Miles of single wire [2]	1,318,350	1,814,196	1,890,245	1,853,250	2,146,470
Aerial	([3])	([3])	1,809,482	1,718,251	1,940,069
Underground	([3])	([3])	77,187	131,448	200,811
Submarine	([3])	([3])	3,576	3,551	5,590
Nautical miles of ocean cable	16,677	67,676	71,251	76,711	105,893
Number of offices	27,377	30,864	28,940	27,354	27,666
Operated jointly with railway companies	([3])	26,247	23,272	21,906	21,449
Telegrams, thousands	91,655	109,378	[4] 127,074	191,121	229,582
Governmental	([3])	([3])	4,597	3,199	2,732
Full commercial rate	([3])	([3])	110,618	175,847	214,164
Contract rate and free	([3])	([3])	11,858	12,075	12,686
Number of employees	27,627	37,295	51,574	68,632	81,498
Salaries and wages ($1,000)	15,040	24,965	39,644	76,162	99,520

[1] Exclusive of pole line owned and operated wholly by railway companies.

[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles. No data for 1902.

[3] Figures not available.

[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported by land systems.

Source of Tables 359 and 360: Bureau of the Census, Department of Commerce.

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No. 361.—LAND AND OCEAN-CABLE TELEGRAPH SYSTEMS: EQUIPMENT, TRAFFIC, EMPLOYEES, SALARIES AND WAGES

NOTE.—The land business and the ocean business of the Western Union Telegraph Co. are not segregated in this table for 1912 and are shown as totals under land systems. The total (estimated) number of messages in 1912 was 103,536,418 on land systems and 5,841,280 on ocean systems.

	Land systems				Ocean systems			
	1912	1917	1922	1927	1912	1917	1922	1927
Miles of pole line [1]	247,528	241,012	252,991	254,720	----	116	----	2,089
Miles of single wire [2]	**1,814,196**	**1,888,793**	**1,845,237**	**2,143,334**	(3)	**1,452**	**8,013**	**3,136**
Aerial	(3)	1,808,325	1,714,211	1,938,833	(3)	1,157	4,040	1,236
Underground	(3)	76,892	127,475	198,911	(3)	295	3,973	1,900
Submarine	(3)	3,576	3,551	5,590	----	----	----	----
Nautical miles of ocean cable	----	----	----	----	67,676	71,251	76,711	105,893
Number of offices	30,781	28,826	27,214	27,560	83	114	140	106
Operated jointly with railway companies	26,247	23,272	21,906	21,449	----	----	----	----
Telegrams, thousands	**106,533**	**[4] 120,623**	**181,519**	**215,595**	**2,845**	**6,451**	**9,603**	**13,987**
Governmental	(3)	4,309	3,130	2,657	(3)	288	69	75
Full commercial rate	(3)	106,159	166,730	200,381	(3)	4,459	9,117	13,783
Contract rate and free	(3)	10,154	11,659	12,557	(3)	1,704	417	129
Number of employees	35,639	47,227	62,299	77,235	1,656	4,347	6,333	4,263
Salaries and wages ($1,000)	23,798	36,392	68,737	93,413	1,167	3,252	7,425	6,108

[1] Exclusive of pole line owned and operated wholly by railway companies.
[2] Exclusive of wire owned and operated wholly by railway companies, as follows: Reported by all railway companies, 1912, 314,329 miles; reported by railway companies having annual operating revenues of $1,000,000 or more, 1917, 344,110 miles; 1922, 285,002 miles; 1927, 333,898 miles.
[3] Figures not available.
[4] In addition, 31,102,577 lettergrams, not distributed according to rate, were reported.

No. 362.—WESTERN UNION TELEGRAPH CO.: MILEAGE OF LINES AND WIRES, NUMBER OF OFFICES, AND FINANCES

Year ended—	Miles of pole line and cable	Miles of wire	Number of offices	Receipts	Expenses	Net income [1]
June 30—				*Dollars*	*Dollars*	*Dollars*
1867	46,270	85,291	2,565	6,568,925	3,944,006	2,624,920
1870	54,109	112,191	3,972	7,138,738	4,910,772	2,227,966
1875	72,833	179,496	6,565	9,564,575	6,335,415	3,229,158
1880	85,645	233,534	9,077	12,782,895	6,948,957	5,833,938
1885	147,500	462,283	14,184	17,706,834	12,005,910	5,700,924
1890	183,917	678,997	19,382	22,387,029	15,074,304	7,312,725
1895	189,714	802,651	21,360	22,218,019	16,076,630	6,141,389
1900	192,705	933,153	22,900	24,758,570	18,593,206	6,165,364
1905	200,224	1,184,557	23,814	29,033,635	21,845,570	7,188,065
1910	214,360	1,429,049	24,825	33,889,202	26,614,302	7,274,900
Dec. 31—						
1914	240,231	1,609,346	25,784	47,287,388	40,578,751	6,708,637
1915	238,940	1,610,709	25,142	52,475,721	40,972,541	11,503,180
1916	237,664	1,627,342	25,234	63,621,601	[2] 49,894,346	13,727,255
1917	228,766	1,626,963	25,466	78,480,223	62,783,006	15,697,217
1918	[3] 247,303	1,382,547	25,452	[4] 88,093,247	[4] 76,713,028	[4] 11,380,219
1919	245,560	1,433,978	25,159	[4] 104,082,147	[4] 90,312,033	[4] 13,770,114
1920	246,214	1,449,710	24,881	121,473,685	108,134,041	13,339,644
1921	246,064	1,521,085	24,632	105,228,075	95,542,563	9,685,512
1922	242,729	1,534,009	24,580	107,116,306	93,910,954	13,205,352
1923	244,001	1,557,399	24,678	113,628,470	99,982,165	13,646,305
1924	246,742	1,593,963	24,478	115,235,563	101,815,734	13,419,829
1925	246,307	1,635,236	24,428	129,151,617	112,861,832	16,289,785
1926	249,916	1,668,293	24,688	136,406,026	121,098,832	15,307,194
1927	251,756	1,783,140	24,765	134,460,816	119,328,218	15,132,598
1928	255,088	1,889,632	24,842	139,387,321	123,817,517	15,569,804
1929	256,044	1,934,020	25,061	148,449,854	132,974,961	15,577,039
1930	256,763	1,948,938	24,298	133,235,751	123,988,719	9,248,232
1931	258,652	1,913,485	23,490	110,547,245	104,572,745	5,974,500

[1] Prior to 1919 data represent net income before bond interest.
[2] Includes special payment to employees, $1,166,424.
[3] Figures readjusted.
[4] Corporate and Federal.

Sources: Table 361, Bureau of the Census, Department of Commerce; Table 362, Western Union Telegraph Co.

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18.—POWER—ELECTRIC AND OTHER

[Data in this section relate to continental United States]

No. 363.—ANNUAL SUPPLY OF ENERGY FROM MINERAL FUELS AND WATER POWER IN THE UNITED STATES

NOTE.—**The figures, except coal equivalent, represent the equivalent of the heating power of the classes of fuel in trillions of British thermal units.** Data represent production, except those for oil imports, and take no account of exports, imports, or changes in stocks

Annual average or year	Anthracite	Bituminous	Total coal	Domestic oil	Natural gas	Imported oil	Water power [1]	Grand total fuels and water power	Equivalent in bituminous coal [2]	
									Million tons of 2,000 lbs.	Per capita, tons
1871–1875	637	754	1,391	49	.....	.....	(1)	1,520	58	1.4
1876–1880	718	955	1,673	101	.....	.....	(1)	1,857	71	1.5
1881–1885	985	1,863	2,848	153	[3] 24	.....	(1)	3,110	119	2.2
1886–1890	1,195	2,474	3,669	198	[3] 264	.....	(1)	4,221	161	2.7
1891–1895	1,453	3,286	4,739	307	[3] 166	.....	104	5,316	203	3.0
1896–1900	1,513	4,493	6,006	357	[3] 198	.....	129	6,690	255	3.5
1901–1905	1,818	7,140	8,958	612	323	.....	209	10,102	386	4.8
1906–1910	2,207	9,783	11,990	1,037	470	1	369	13,867	529	5.9
1911–1915	2,427	11,527	13,954	1,486	619	72	591	16,722	638	6.6
1916–1920	2,523	13,981	16,504	2,176	820	297	851	20,648	788	7.6
1921–1925	2,112	12,610	14,722	3,888	1,024	569	1,105	21,308	813	7.3
1926–1930	2,084	13,595	15,679	5,375	1,760	408	1,781	25,002	954	8.0
1925	1,681	13,625	15,306	4,582	1,278	371	1,290	22,827	871	7.6
1926	2,297	15,022	17,319	4,625	1,411	362	1,492	25,209	962	8.3
1927	2,179	13,565	15,744	5,407	1,553	350	1,687	24,741	944	8.0
1928	2,049	13,120	15,169	5,409	1,686	479	1,942	24,685	942	7.9
1929	2,008	14,017	16,025	6,044	2,062	474	1,929	26,534	1,013	8.3
1930	1,887	12,249	14,136	5,388	2,089	373	1,856	23,842	910	7.4

[1] The fuel equivalent for water power is calculated from the reported horsepower of installed water wheels. Prior to 1890 data were unsatisfactory, but estimates are included in the total.
[2] Calculated at 26,200,000 British thermal units per ton.
[3] Based on the amount of coal displaced by gas, as estimated by the gas companies at the time.

No. 364.—ELECTRICITY PRODUCED, CONSUMPTION OF FUEL, AND CAPACITY OF GENERATORS IN PUBLIC-UTILITY POWER PLANTS

NOTE.—Data prior to 1919 are totals for central stations and electric railways as reported by Bureau of the Census; thereafter, they are estimated totals for all plants, based on returns from about 3,500 plants in 1919 to about 3,900 in 1931, each producing 10,000 kilowatt-hours or more per month, engaged in public service, including central stations, electric railways, steam railroads generating electricity for traction, and certain other plants. The capacity of plants reporting is about 95 per cent of that of all plants

Calendar year	Production of electricity			Consumption of fuel			Consumption—Coal or coal equivalent		Capacity of generators
	Total	Water power	Fuel power	Coal	Fuel oil	Gas	Total	Per kilowatt-hour	
	Million kilowatt-hours	*Million kilowatt-hours*	*Million kilowatt-hours*	*Thousand tons* [1]	*Thousand barrels* [2]	*Million cubic feet*	*Thousand tons* [1]	*Pounds*	*Thousand kilowatts*
1902	4,768	.....	.....	.....	.....	.....	.....	.....	[3] 2,112
1907	10,621	.....	.....	.....	.....	.....	.....	.....	4,432
1912	17,572	.....	.....	.....	.....	.....	.....	.....	7,670
1917	32,679	.....	.....	.....	.....	.....	.....	.....	11,919
1919	38,921	14,606	24,315	35,100	11,050	21,406	38,880	3.2	13,094
1920	43,555	16,150	27,405	37,124	13,123	24,702	41,420	3.0	14,399
1921	40,975	14,970	26,005	31,585	12,045	23,722	35,240	2.7	15,483
1922	47,654	17,207	30,447	34,179	13,197	27,172	38,000	2.5	15,971
1923	55,665	19,343	36,322	38,966	14,684	31,433	43,522	2.4	17,369
1924	59,014	19,969	39,044	37,556	16,630	48,443	43,130	2.2	19,519
1925	65,870	22,356	43,514	40,222	10,246	46,521	44,780	2.1	23,619
1926	73,791	26,189	47,602	41,311	9,399	53,207	45,856	1.95	25,398
1927	80,205	29,875	50,330	41,888	6,782	62,919	45,910	1.84	27,691
1928	87,850	34,696	53,154	41,350	7,158	77,326	46,387	1.76	29,630
1929	97,352	34,629	62,723	44,937	10,124	112,707	52,574	1.69	31,952
1930	95,936	33,021	62,915	42,8[illegible]8	9,260	120,230	50,654	1.62	34,264
1931	91,729	30,603	61,126	38,734	8,123	139,328	47,134	1.55	35,590

[1] Of 2,000 pounds. [2] Of 42 gallons. [3] Partly estimated.

Sources: Table 363, Bureau of Mines, Department of Commerce; Table 364, 1902 to 1917, Bureau of the Census, Department of Commerce; thereafter, Geological Survey, Department of the Interior.

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No. 365.—PRODUCTION OF ELECTRIC POWER AND CAPACITY OF GENERATORS IN PUBLIC UTILITY POWER PLANTS: BY STATES

[Production in millions of kilowatt-hours; capacity of generators in thousands of kilowatts]

Division and State	Production of electric power										Capacity of generators, 1931
	Total						Generated by water power		Generated by fuel power		
	1920	1925	1928	1929	1930	1931	1920	1931	1920	1931	
United States	43,555	65,870	87,850	97,352	95,936	91,729	16,150	30,603	27,405	61,126	35,590
New England	3,407	4,824	5,959	6,609	6,400	6,389	1,134	2,507	2,273	3,882	2,938
Maine	352	509	694	720	731	842	344	810	9	32	261
New Hampshire	97	264	302	310	367	593	61	511	36	82	286
Vermont	200	258	452	464	480	464	196	464	4	(1)	180
Massachusetts	1,740	2,378	2,751	3,026	2,908	2,738	358	495	1,382	2,243	1,344
Rhode Island	334	408	490	653	547	436	6	3	328	433	243
Connecticut	684	1,007	1,270	1,436	1,367	1,315	169	223	515	1,092	624
Middle Atlantic	12,349	18,299	22,657	24,784	25,136	24,403	3,665	5,935	8,684	18,468	8,890
New York	6,939	10,267	13,030	14,465	14,404	13,839	3,030	5,254	3,909	8,585	5,266
New Jersey	1,096	1,506	2,085	2,165	2,857	3,310	2	21	1,094	3,288	975
Pennsylvania	4,314	6,526	7,542	8,155	7,875	7,255	633	659	3,681	6,595	2,649
East North Central	9,958	15,715	20,947	23,333	22,165	20,639	1,382	1,995	8,576	18,644	8,151
Ohio	2,930	4,387	5,539	6,417	5,942	5,560	28	24	2,902	5,536	2,151
Indiana	933	1,484	1,989	2,576	2,943	2,879	35	80	898	2,799	1,051
Illinois	3,043	5,269	6,966	7,369	6,851	6,333	185	249	2,858	6,084	2,452
Michigan	2,093	3,031	4,347	4,695	4,270	3,885	672	866	1,421	3,019	1,637
Wisconsin	960	1,542	2,106	2,276	2,159	1,983	463	777	497	1,206	860
West North Central	3,179	4,254	5,126	5,675	5,982	5,883	1,166	1,347	2,013	4,537	2,641
Minnesota	703	1,046	1,065	1,202	1,311	1,304	410	500	293	804	573
Iowa	1,017	1,195	1,521	1,499	1,574	1,499	662	632	354	867	584
Missouri	698	866	991	1,221	1,269	1,314	46	140	652	1,174	751
North Dakota	28	39	85	105	125	137	-------	-------	28	137	59
South Dakota	48	75	106	108	114	102	15	9	33	93	64
Nebraska	247	366	464	533	575	595	13	37	235	558	234
Kansas	438	667	893	1,007	1,014	932	21	29	417	903	376
South Atlantic	3,980	6,272	10,500	11,902	10,895	10,197	1,614	4,845	2,365	5,352	4,355
Delaware	76	102	100	53	18	5	-------	-------	76	5	7
Maryland	283	573	1,477	2,011	1,869	1,704	3	894	280	810	620
District of Columbia	255	350	467	505	548	580	-------	11	255	568	229
Virginia	521	802	1,168	1,297	1,231	1,127	203	238	318	889	463
West Virginia	1,128	1,643	2,045	2,220	2,103	1,919	23	165	1,105	1,754	565
North Carolina	260	942	2,225	2,552	2,298	2,000	208	1,663	51	337	993
South Carolina	730	882	1,399	1,457	1,202	1,372	673	1,159	57	213	687
Georgia	595	661	981	1,136	937	838	491	681	104	157	428
Florida	133	318	637	670	688	652	13	34	120	618	363
East South Central	1,464	2,610	3,326	3,623	3,882	3,908	840	3,105	623	802	1,714
Kentucky	276	475	625	715	719	752	-------	410	276	341	344
Tennessee	573	875	956	1,021	1,037	1,123	441	834	132	289	435
Alabama	550	1,169	1,695	1,830	2,065	1,980	399	1,861	150	119	885
Mississippi	66	91	50	57	62	53	-------	-------	66	53	60
West South Central	1,230	2,202	4,035	4,396	5,055	4,499	7	77	1,222	4,423	1,683
Arkansas	119	189	150	128	108	105	1	37	117	68	149
Louisiana	219	350	821	990	1,067	1,085	-------	-------	219	1,085	267
Oklahoma	214	394	844	977	958	783	2	3	212	780	333
Texas	679	1,268	2,221	2,801	2,922	2,527	4	36	675	2,490	933
Mountain	2,581	3,127	3,918	3,967	3,699	3,265	2,247	2,430	334	835	1,186
Montana	1,126	1,263	1,619	1,614	1,320	966	1,119	947	7	19	310
Idaho	591	754	948	894	912	796	589	794	2	2	229
Wyoming	47	56	84	99	98	95	2	36	44	59	44
Colorado	397	523	541	564	573	529	185	190	213	339	229
New Mexico	15	22	52	67	76	180	1	2	14	178	85
Arizona	159	131	336	283	384	404	107	274	53	130	139
Utah	212	340	283	402	293	276	212	171	(1)	105	140
Nevada	34	40	55	44	43	19	33	16		3	11
Pacific	5,408	8,569	11,382	12,563	12,723	12,545	4,094	8,363	1,314	4,182	4,032
Washington	1,197	1,623	2,361	2,552	2,255	2,572	1,154	2,488	43	84	876
Oregon	476	730	1,041	1,161	1,219	1,177	371	754	105	423	333
California	3,736	6,216	7,980	8,850	8,948	8,796	2,569	5,122	1,167	3,675	2,824

[1] Less than 500,000 kilowatt-hours.

Source: Geological Survey, Department of the Interior.

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No. 366.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, OUTPUT AND SALES

NOTE.—A central electric station is one selling current to public or private consumers, or a municipal plant supplying current for streets, public buildings, etc. Isolated or private plants operated solely for the benefit of the owner in connection with factories, mines, stores, hotels, institutions, etc., which in the aggregate produce great quantities of current, are not included. The business of electric street railways is shown only so far as that portion of their business relating to the sale of current can be segregated. Electric plants operated by the Federal or State Governments are excluded even when they sell current to private consumers. One central electric station often sells current to another, so that there is considerable duplication in total sales. Net sales are considerably less than current generated because of wire losses, self consumption, etc.

	All central electric stations					
	1902	1907	1912	1917	1922	1927
Number of stations [1]	3,620	4,714	5,221	6,542	6,355	4,335
Prime movers, horsepower—thousands	1,845	4,093	7,530	12,937	19,851	35,710
Steam engines	1,394	1,876	1,895	1,702	1,371	994
Steam turbines		817	3,054	6,747	12,355	24,323
Water wheels and turbines	439	1,349	2,469	4,277	5,822	9,844
Internal-combustion engines	12	56	111	210	303	548
Dynamos:						
Number	12,484	12,173	12,610	13,428	12,701	11,967
Kilowatt capacity—thousands	1,212	2,709	5,165	8,994	14,313	25,811
Output—millions of kilowatt hours			14,183	31,044	50,274	96,829
Generated	2,507	5,862	11,569	25,438	40,292	74,687
Purchased	(2)	(2)	2,614	5,606	9,983	22,142
Sold	(2)	(2)	(2)	25,752	41,965	79,011
To ultimate consumers	(2)	(2)	(2)	(2)	32,948	63,612
For resale	(2)	(2)	(2)	(2)	9,017	15,399
Number of customers—thousands	(2)	1,947	3,838	7,179	12,710	21,786
Salaried employees—number	6,996	12,990	26,093	35,406	55,112	101,415
Salaries—1,000 dollars	5,664	11,734	24,307	36,788	86,951	(3)
Wage earners—number	[4] 23,330	[4] 34,642	[5] 53,242	[5] 70,135	[5] 95,650	[5] 149,605
Wages—1,000 dollars	14,983	23,687	36,855	58,454	125,481	(3)

[1] The term "station" as here used may represent a single electric station or a number of stations operated under the same ownership.
[2] Figures not available.
[3] Salaries and wages were not reported for 1927 by municipal plants. Commercial plants reported 95,917 salaried employees, with salaries amounting to $166,341,000, and 138,796 wage earners, with wages amounting to $201,291,000. The percentages which the salaried employees and wage earners reported by the commercial plants formed of the corresponding totals for both commercial and municipal plants were 94.6 and 92.8, respectively.
[4] Average number for the year.
[5] Number Sept. 16, 1912; Sept. 29, 1917; June 30, 1922; and June 30, 1927, or nearest representative day.

No. 367.—CENTRAL ELECTRIC STATIONS: EQUIPMENT, EMPLOYEES, AND FINANCES OF COMMERCIAL AND MUNICIPAL STATIONS

NOTE.—See headnote to Table 366

	Commercial stations				Municipal stations			
	1912	1917	1922	1927	1912	1917	1922	1927
Number of establishments	3,659	4,224	3,774	2,137	1,562	2,318	2,581	2,198
Horsepower of prime movers—thousands	6,971	12,078	18,571	33,661	559	859	1,280	2,049
Capacity of dynamos thousands of kw	4,769	8,412	13,407	24,383	397	582	906	1,428
Current millions of kw. hrs.	13,557	29,812	47,833	92,299	626	1,232	2,441	4,529
Generated	11,032	24,399	38,413	71,307	537	1,039	1,878	3,379
Purchased	2,525	5,413	9,420	20,992	89	193	563	1,150
Sold—								
To ultimate consumers	(1)	24,723	30,941	60,537	(1)	1,029	2,007	3,075
For resale			8,971	14,808			45	591
Customers—thousands	3,312	6,202	11,065	19,661	526	977	1,645	2,129
Employees—number	71,395	94,679	136,105	234,747	7,940	10,862	14,657	16,273
Income—1,000 dollars	279,054	486,634	986,684	1,841,227	23,219	40,260	85,436	122,437
Expenses—do	217,660	395,127	792,496	1,318,255	16,917	31,441	67,129	(1)
Assets—do	2,490,023	3,631,973	5,504,614	12,950,388	86,521	148,345	288,623	(1)
Value of plant and equipment—1,000 dollars	2,098,613	2,933,017	4,229,356	[2] 8,880,291	77,065	127,375	235,660	417,167

[1] Not called for on schedule.
[2] Includes plant and equipment valued at $902,057,279, not separated as to electric light and power and other properties.

Source of Tables 366 and 367: Bureau of the Census, Department of Commerce.

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No. 368.—CENTRAL ELECTRIC STATIONS: STATISTICS OF COMMERCIAL

[See headnote

Division and State	Horsepower of prime movers (thousands)				Millions of kilowatt-hours generated			
	Total		Steam engines and turbines and internal-combustion engines, 1927	Water wheels and turbines, 1927	1907	1912	1917	1922
	1922	1927						
Continental United States	19,851	35,710	25,866	9,844	5,862	11,569	25,438	40,292
New England	1,980	3,009	2,250	759	474	865	1,836	2,970
Maine	128	252	50	202	66	117	166	278
New Hampshire	72	157	61	96	55	127	160	95
Vermont	139	204	20	184	30	43	65	218
Massachusetts	1,065	1,529	1,340	189	219	386	937	1,493
Rhode Island	222	264	262	2	36	62	162	342
Connecticut	354	603	517	86	67	131	346	544
Middle Atlantic	5,060	8,615	6,907	1,708	2,009	3,549	7,659	10,766
New York	2,684	4,212	2,788	1,424	1,452	2,175	3,829	5,431
New Jersey	475	1,004	997	7	141	384	781	1,058
Pennsylvania	1,901	3,399	3,122	277	417	990	3,049	4,277
East North Central	4,588	8,668	7,866	802	1,076	2,528	5,757	9,368
Ohio	1,212	2,354	2,331	23	217	399	1,084	2,404
Indiana	451	870	822	48	130	237	441	795
Illinois	1,405	2,904	2,838	66	468	1,151	2,210	3,090
Michigan	945	1,619	1,263	356	208	526	1,504	2,103
Wisconsin	575	921	612	309	53	215	518	976
West North Central	1,610	2,671	2,227	444	386	713	1,776	2,969
Minnesota	312	516	342	174	88	186	441	589
Iowa	331	649	443	206	38	67	615	859
Missouri	429	648	626	22	147	233	266	701
North Dakota	43	56	56	----	8	12	23	40
South Dakota	53	70	63	7	14	25	32	62
Nebraska	155	250	229	21	32	56	130	246
Kansas	286	482	468	14	60	133	270	473
South Atlantic	1,910	4,394	2,695	1,699	266	730	1,745	3,789
Delaware, Maryland, Dist. of Columbia	430	695	669	26	78	118	326	622
Virginia	163	502	404	98	10	29	108	319
West Virginia	393	755	670	85	25	42	204	1,199
North Carolina	231	773	301	472	13	71	372	404
South Carolina	449	700	164	536	69	357	500	844
Georgia	149	609	136	473	59	88	184	268
Florida	95	360	351	9	12	26	51	131
East South Central	717	1,447	779	668	119	228	1,049	1,420
Kentucky	135	395	257	138	37	76	123	232
Tennessee	204	456	283	173	35	76	565	493
Alabama	320	508	151	357	31	49	331	634
Mississippi	59	88	88	----	16	28	30	62
West South Central	626	1,563	1,532	31	139	234	483	1,041
Arkansas	57	131	117	14	12	18	39	84
Louisiana	44	277	277	----	26	18	26	52
Oklahoma	162	300	298	2	25	49	101	243
Texas	362	855	840	15	76	149	317	662
Mountain	1,005	1,406	386	1,020	381	845	2,036	2,209
Montana	356	378	15	363	137	379	965	988
Idaho	209	307	4	303	10	116	145	531
Wyoming	41	48	44	4	5	12	27	39
Colorado	153	269	190	79	123	165	274	290
New Mexico	20	33	32	1	5	9	17	22
Arizona	82	153	48	105	9	33	66	147
Utah	129	199	50	149	62	87	487	146
Nevada	16	19	3	16	30	45	54	45
Pacific	2,355	3,937	1,224	2,713	1,012	1,878	3,097	5,759
Washington	512	848	149	699	258	71	242	1,144
Oregon	107	308	139	169	93	59	108	267
California	1,735	2,781	936	1,845	662	1,747	2,747	4,348

[1] Less than 500,000 kilowatt-hours.

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AND MUNICIPAL PLANTS WITH CURRENT GENERATED AND SOLD, BY STATES

to Table 366]

Millions of kilowatt-hours generated—Continued			Millions of kilowatt hours sold, 1927—		Income (in thousands of dollars), 1927—		Division and State
1927	Commercial stations, 1927	Municipal stations, 1927	To ultimate consumers	For resale	From sale of electric current to ultimate consumers	From electric current sold for resale	
74, 686	**71, 307**	**3, 379**	**63, 612**	**15, 399**	**1, 667, 045**	**135, 610**	**Continental United States.**
4, 750	**4, 660**	**90**	**3, 956**	**1, 868**	**138, 141**	**18, 653**	**New England.**
561	557	4	473	41	9, 819	420	Maine.
226	225	1	151	27	6, 697	298	New Hampshire.
339	322	17	127	195	4, 897	1, 667	Vermont.
2, 245	2, 182	63	2, 019	988	75, 943	10, 578	Massachusetts.
411	411	----------	378	376	12, 451	3, 355	Rhode Island.
968	963	5	808	241	28, 334	2, 335	Connecticut.
19, 282	**19, 158**	**124**	**17, 869**	**3, 419**	**475, 197**	**24, 704**	**Middle Atlantic.**
9, 918	9, 840	78	9, 378	1, 678	242, 482	10, 794	New York.
1, 862	1, 852	10	1, 688	52	68, 507	557	New Jersey.
7, 502	7, 466	36	6, 803	1, 689	164, 208	13, 353	Pennsylvania.
18, 212	**17, 329**	**883**	**15, 257**	**3, 840**	**403, 177**	**32, 408**	**East North Central.**
4, 724	4, 429	295	4, 224	698	111, 878	6, 856	Ohio.
1, 746	1, 590	156	1, 522	411	45, 288	4, 014	Indiana.
6, 075	5, 876	199	4, 932	1, 938	128, 474	14, 147	Illinois.
3, 774	3, 597	177	3, 225	251	79, 040	2, 624	Michigan.
1, 893	1, 837	56	1, 354	542	38, 497	4, 767	Wisconsin.
4, 549	**4, 134**	**415**	**4, 061**	**553**	**140, 750**	**9, 534**	**West North Central.**
843	784	59	924	96	31, 045	1, 643	Minnesota.
1, 429	1, 375	54	685	180	26, 521	2, 990	Iowa.
891	839	52	1, 452	120	41, 978	1, 547	Missouri.
60	56	4	48	5	3, 799	223	North Dakota.
90	75	15	67	12	4, 797	402	South Dakota.
405	340	65	301	70	12, 627	1, 434	Nebraska.
831	665	166	584	70	19, 983	1, 295	Kansas.
8, 445	**8, 187**	**258**	**7, 015**	**1, 961**	**153, 834**	**15, 869**	**South Atlantic.**
1, 102	1, 085	17	1, 236	83	31, 615	1, 168	Delaware. Maryland. Dist. of Columbia.
974	933	41	687	15	17, 120	161	Virginia.
1, 903	1, 902	1	970	1, 163	21, 481	6, 818	West Virginia.
2, 036	1, 997	39	1, 908	369	27, 313	4, 112	North Carolina.
1, 116	1, 112	4	799	165	13, 032	1, 510	South Carolina.
746	733	13	980	141	20, 466	1, 563	Georgia.
568	425	143	435	25	22, 807	537	Florida.
2, 777	**2, 706**	**71**	**2, 455**	**1, 243**	**59, 820**	**9, 204**	**East South Central.**
505	487	18	548	171	17, 686	1, 887	Kentucky.
937	914	23	748	271	18, 284	2, 257	Tennessee.
1, 270	1, 264	6	1, 039	797	17, 790	5, 013	Alabama.
65	41	24	120	4	6, 060	47	Mississippi.
3, 275	**3, 123**	**152**	**2, 703**	**562**	**89, 947**	**5, 890**	**West South Central.**
174	161	13	186	36	8, 421	403	Arkansas.
635	598	37	447	143	14, 412	1, 237	Louisiana.
654	605	49	597	72	20, 692	1, 071	Oklahoma.
1, 812	1, 759	53	1, 473	311	46, 422	3, 179	Texas.
3, 390	**3, 329**	**61**	**2, 857**	**121**	**51, 159**	**1, 586**	**Mountain.**
1, 399	1, 399	(1)	1, 197	11	10, 595	112	Montana.
713	704	9	264	21	5, 405	141	Idaho.
67	65	2	49	7	2, 533	211	Wyoming.
500	466	34	397	17	13, 942	326	Colorado.
33	32	1	26	2	1, 913	38	New Mexico.
280	279	1	202	46	5, 273	539	Arizona.
341	327	14	658	10	9, 832	155	Utah.
57	57	(1)	64	7	1, 666	64	Nevada.
10, 006	**8, 681**	**1, 325**	**7, 439**	**1, 832**	**155, 020**	**17, 762**	**Pacific.**
2, 105	1, 639	466	1, 620	179	25, 498	1, 394	Washington.
840	810	30	658	48	13, 898	354	Oregon.
7, 061	6, 232	829	5, 161	1, 605	115, 624	16, 014	California.

Source: Bureau of the Census, Department of Commerce.

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No. 369.—CENTRAL ELECTRIC STATIONS: FINANCIAL STATISTICS

[All figures in thousands of dollars. See headnote to Table 366]

	Commercial electric stations						Municipal electric stations
	1902	1907	1912	1917	1922	1927	1927
INCOME ACCOUNT							
Income, total	**78,736**	**161,630**	**279,054**	**486,634**	**986,684**	**1,841,227**	**122,437**
Electric service, total	**77,350**	**156,000**	**264,475**	**462,474**	**936,852**	**1,680,218**	**122,437**
Commercial and domestic light and power	57,195	122,885	205,974	373,280	773,111	1,424,998	100,649
Municipal lighting	16,130	19,772	27,131	31,462	40,854	66,141	11,058
Sales to other public service corporations	4,025	13,343	30,857	57,207	122,321	189,079	10,730
Value of free service	[1]	[1]	513	525	566	[1]	[1]
Interest and dividends from investments	[1]	[1]	4,869	8,807	16,527	53,959	[1]
Other sources	1,386	5,630	9,710	15,353	33,305	107,050	[1]
Expenses, total	**62,835**	**123,880**	**217,660**	**395,127**	**792,496**	**1,318,255**	[1]
Fuel	10,190	19,825	30,502	78,286	146,323	157,912	
Current purchased	2,007	6,081	16,913	35,733	79,637	143,711	
Supplies, materials, and miscellaneous	14,751	27,897	27,565	48,118	80,492	121,529	
Rent of offices, conduits, etc	1,272	2,884	4,214	9,881	18,626	[2]	
Salaries and wages	18,767	31,935	55,659	86,473	194,148	367,632	
Taxes	2,655	6,346	13,117	29,897	73,128	150,253	
Injuries, damages, insurance	1,074	2,070	3,316	5,145	10,209	[1]	
Interest	12,119	26,842	46,865	71,145	125,596	269,602	
Depreciation	[1]	[1]	17,989	26,292	59,273	107,616	
Sinking and reserve funds	[1]	[1]	1,520	4,157	5,064	[1]	

[1] Not called for on schedule.
[2] No comparable data.

No. 370.—PROPORTION OF "ELECTRIFICATION" OF FACTORY POWER EQUIPMENT

Item	Horsepower (thousands)				
	1914	1923	1925	1927	1929
Combined capacity of prime movers and electric motors using purchased current	22,291	33,094	35,773	38,826	42,931
Electric motors operated by prime movers owned by factories	4,939	8,822	10,255	11,220	12,376
Estimated capacity of prime movers used to actuate these motors	3,550	6,350	7,380	8,070	8,910
Electric motors using purchased current	3,885	13,366	15,869	19,132	22,776
Total last two items, "Electrified" equipment	7,435	19,716	23,249	27,202	31,686
Per cent of total power equipment	33	60	65	70	74
Capacity of all prime movers in factories	18,406	19,729	19,904	19,693	20,155

No. 371.—AVERAGE RETAIL PRICES OF ELECTRICITY FOR HOUSEHOLD USE

[Cents per kilowatt-hour]

December	Net price	December	Net price	December	Net price	December	Net price
1913	8.1	1918	7.6	1923	7.4	1928	6.9
1914	7.8	1919	7.5	1924	7.4	1929	6.7
1915	7.6	1920	7.7	1925	7.3	1930	6.6
1916	7.4	1921	7.7	1926	7.2	1931	6.5
1917	7.2	1922	7.5	1927	7.1		

Sources: Table 369 and basic figures for Table 370, Bureau of the Census, Department of Commerce; Table 371, Bureau of Labor Statistics, Deaprtment of Labor.

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No. 372.—DEVELOPED AND POTENTIAL WATER POWER

NOTE.—**In thousands of horsepower.** Data for developed water power cover capacity of actual installation of water wheels and turbines in plants of 100 horsepower or more. The figures for potential power are estimates showing the 24-hour horsepower available 90 per cent of the time and 50 per cent of the time at an over-all efficiency of 70 per cent at all developed and undeveloped sites. These figures for potential power are not directly comparable with those for developed power, because developed power is usually given in terms of the capacity of installed water wheels or turbines, which may be several times the potential power available 90 per cent of the time. Probably with complete development of the water-power resources of the whole country the installed capacity would amount to 80,000,000 horsepower or more

Division and State	Developed water power (capacity of actual installation)							Potential water power available—	
	November, 1921	March, 1925	January, 1928	January, 1929	January, 1930	January, 1931	January, 1932	90 per cent of the time	50 per cent of the time
Continental U. S.	**7,927**	**10,038**	**12,296**	**13,572**	**13,808**	**14,885**	**15,563**	**38,110**	**59,166**
New England	**1,311**	**1,399**	**1,556**	**1,654**	**1,643**	**1,898**	**1,939**	**998**	**1,978**
Maine	450	477	537	539	541	579	613	536	1,074
New Hampshire	229	243	278	278	278	553	559	186	350
Vermont	130	168	200	260	260	202	202	80	169
Massachusetts	338	344	362	362	362	362	362	106	235
Rhode Island	30	30	30	30	30	30	30	25	40
Connecticut	134	136	148	184	172	171	172	65	110
Middle Atlantic	**1,479**	**1,948**	**2,078**	**2,123**	**2,113**	**2,212**	**2,302**	**4,373**	**6,050**
New York	1,292	1,714	1,779	1,814	1,805	1,904	1,892	4,010	4,960
New Jersey	17	19	19	19	18	18	17	50	90
Pennsylvania	170	226	280	291	291	291	392	313	1,000
East North Central	**739**	**885**	**1,037**	**1,076**	**1,075**	**1,092**	**1,103**	**742**	**1,426**
Ohio	29	30	30	30	30	25	21	55	166
Indiana	27	51	57	57	55	54	54	45	145
Illinois	85	87	94	94	95	96	94	189	361
Michigan	267	305	378	378	379	399	414	168	274
Wisconsin	331	413	477	517	517	519	520	285	480
West North Central	**444**	**515**	**542**	**555**	**551**	**587**	**765**	**929**	**1,937**
Minnesota	205	263	276	293	287	286	287	203	401
Iowa	173	177	184	182	181	182	182	169	395
Missouri	18	20	21	21	23	37	235	67	152
North Dakota	(1)	(1)	(1)	(1)	(1)	(1)	(1)	82	193
South Dakota	18	19	20	20	19	20	20	121	203
Nebraska	15	21	24	24	24	25	24	183	342
Kansas	15	14	17	16	16	16	16	104	251
South Atlantic	**1,082**	**1,594**	**1,967**	**2,595**	**2,657**	**2,918**	**2,968**	**2,924**	**5,048**
Delaware	3	3	1	1	1	1	1	5	10
Maryland	7	7	38	416	416	416	416	106	238
Dist. of Columbia	1	1	6	6	6	6	6		
Virginia	104	118	141	140	126	135	153	459	812
West Virginia	15	15	91	91	89	87	87	355	980
North Carolina	330	535	644	814	947	954	961	852	1,160
South Carolina	330	507	574	574	574	816	810	555	860
Georgia	286	400	463	544	473	482	512	572	958
Florida	7	9	8	9	25	22	21	20	30
East South Central	**241**	**392**	**966**	**1,119**	**1,169**	**1,364**	**1,364**	**1,328**	**2,272**
Kentucky	1	1	142	142	145	145	145	172	280
Tennessee	127	166	177	177	179	288	288	654	882
Alabama	113	224	646	799	845	931	931	472	1,050
Mississippi								30	60
West South Central	**16**	**31**	**44**	**47**	**49**	**49**	**134**	**559**	**1,110**
Arkansas	1	16	16	16	16	16	95	200	300
Louisiana								1	2
Oklahoma	2	2	2	2	3	3	3	70	194
Texas	13	14	27	29	31	31	37	288	614
Mountain	**827**	**937**	**1,118**	**1,140**	**1,185**	**1,217**	**1,216**	**10,844**	**15,552**
Montana	344	360	378	393	419	429	428	2,550	3,700
Idaho	224	299	355	358	358	357	355	2,122	4,032
Wyoming	8	8	17	17	19	25	25	704	1,182
Colorado	92	91	95	98	98	98	98	873	1,609
New Mexico	1	1	2	2	2	2	1	116	186
Arizona	39	49	104	104	120	137	137	2,759	2,887
Utah	106	115	153	154	156	157	158	1,420	1,586
Nevada	13	14	13	14	14	14	14	300	370
Pacific	**1,789**	**2,336**	**2,988**	**3,263**	**3,365**	**3,568**	**3,772**	**15,413**	**23,793**
Washington	454	561	707	747	766	892	1,011	7,145	11,225
Oregon	185	244	289	289	299	354	354	3,665	5,894
California	1,149	1,531	1,993	2,227	2,301	2,321	2,407	4,603	6,674
Outlying areas:									
Alaska		40	[2] 40	32	36	36	36	1,000	2,500
Hawaii		25	32	[3] 32	[3] 32	[3] 32	[3] 32	19	28
Puerto Rico		15	[2] 15	[2] 15	[2] 15	30	[4] 30	100	200

[1] Less than 500.
[2] Capacity in 1925.
[3] Capacity in 1928.
[4] Capacity in 1931.

Source: Geological Survey, Department of the Interior.

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19.—PUBLIC ROADS AND MOTOR VEHICLES

No. 373.—RURAL ROADS IN THE UNITED STATES

NOTE.—Mileage data included for county and township roads in 1921 and 1926 were secured from county records; data for other years shown in this and subsequent tables contain some estimates and are not as accurate as to detail. Data in most cases refer to calendar years; there are, however, exceptions in some States. Data relate to continental United States only, except as noted

Item	1921	1926	1927	1928	1929	1930
Total mileage at end of year:						
All types	2,941,294	3,000,190	3,013,584	3,016,261	3,024,233	3,009,066
Earth roads	2,553,534	2,450,126	2,424,863	2,390,144	2,361,798	2,315,507
Surfaced roads	387,760	550,064	588,721	626,137	662,435	693,559
Low type [1]	340,583	467,077	496,785	523,578	549,981	567,851
High type [2]	[3] 47,177	82,987	91,936	102,559	112,454	125,708
Total mileage built during year:						
All types	110,976	116,413	86,455	74,783	78,003	87,717
Earth roads (graded and drained)	[4] 69,804	60,059	33,031	24,318	23,128	24,370
Surfaced roads [5]	41,172	56,354	53,424	50,465	54,875	63,347
Low type [1]	33,083	46,746	43,460	38,569	42,548	48,397
High type [2]	[6] 8,089	9,608	9,964	11,896	12,327	14,950
Mileage of State highway systems at end of year: [7]						
All types		287,928	293,353	306,442	314,136	324,496
Earth roads		124,869	116,787	113,304	105,812	98,275
Surfaced roads		163,059	176,566	193,138	208,324	226,221
Low type [1]		109,110	116,427	124,765	133,211	142,109
High type [2]		53,949	60,139	68,373	75,113	84,112
Mileage of State highway systems built during year: [7]						
All types		27,387	26,723	29,252	32,522	35,277
Earth roads (graded and drained)		7,060	7,151	8,675	7,451	7,813
Surfaced roads [5]		20,327	19,572	20,577	25,071	27,464
Low type [1]		14,199	12,839	11,829	16,224	16,677
High type [2]		6,128	6,733	8,748	8,847	10,787
Funds available for rural road purposes during year, all authorities (1,000 dollars):						
Total [8]	[9] 1,109,896	1,640,451	1,813,401	1,926,003	2,042,400	2,302,646
Motor vehicle fees and gasoline taxes	119,915	436,449	503,825	597,511	687,730	862,933
Other taxes and appropriations	415,747	491,194	527,477	553,186	560,908	537,951
Proceeds of bonds	434,573	272,422	272,060	271,706	271,864	316,973
Federal aid [10]	77,457	79,163	80,460	80,798	77,573	92,463
All other sources	[9] 62,205	361,224	429,880	422,803	444,324	492,326
Disbursements for rural roads and bridges (1,000 dollars):						
All roads, by all authorities [8]	1,027,493	1,276,698	1,419,435	1,554,168	1,615,519	1,885,851
Construction	622,172	621,893	693,398	818,609	813,982	1,009,712
Maintenance	250,559	338,853	376,754	418,632	433,538	475,912
Principal and interest of bonds	90,293	213,325	245,788	247,742	272,529	315,354
Equipment and miscellaneous	64,468	102,627	103,496	69,186	95,470	84,872
By or under supervision of State highway departments, incl. Federal aid [11]	397,484	621,744	699,875	827,550	910,485	1,139,677
Highway construction under Federal aid: [12]						
Completed mileage end of year		56,717	64,620	76,075	82,330	88,945
Projects under construction—						
Miles		14,581	13,433	9,216	8,735	9,089
Total cost (1,000 dollars)		365,730	353,497	230,649	217,013	233,397
Federal aid (1,000 dollars)		151,490	145,627	91,343	89,219	99,573
Projects approved for construction—						
Miles	1,839	1,575	1,413	1,598	1,400	2,875
Total cost (1,000 dollars)	48,609	40,299	34,751	32,434	29,340	60,394
Federal aid (1,000 dollars)	19,262	13,921	12,896	12,819	9,942	25,531
Federal-aid fund available for new projects (1,000 dollars)		113,070	110,803	101,372	99,881	144,726

[1] Includes sand-clay, gravel, and waterbound macadam.
[2] Includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[3] Includes 11,303 miles of unclassified roads.
[4] Includes mileage partially graded and drained.
[5] Includes original and reconstructed surfacing.
[6] Includes 368 miles of unclassified roads.
[7] Data for total United States not compiled in 1921.
[8] Excludes funds transferred.
[9] Excludes balance on hand at beginning of year; not reported in 1921.
[10] For road and bridge purposes under supervision of State highway department only.
[11] Includes funds transferred to local units.
[12] Includes data for Hawaii beginning 1926 for all items except those for projects approved for construction which include Hawaii beginning 1929.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 374.—RURAL ROAD MILEAGE AS OF DECEMBER 31

NOTE.—Date include all rural roads. In some cases variations in mileage from that of the previous year shown are partly because of more accurate survey of road mileage. Data in most cases relate to December 31; there are, however, some exceptions

Division and State	All types			Surfaced roads						
	1914	1921	1930	1914	1921	1926	1927	1928	1929	1930
Continental U. S.	2,445,761	2,941,294	3,009,066	257,292	387,760	550,064	588,721	626,137	662,435	693,559
New England	86,718	83,295	83,744	18,038	17,725	23,614	24,631	25,919	27,465	28,848
Maine	23,537	21,483	20,882	2,762	2,953	4,429	4,832	5,293	5,777	6,227
New Hampshire	14,020	13,841	12,034	1,660	1,692	2,218	2,391	2,546	2,784	3,060
Vermont	14,249	14,677	15,031	1,442	3,545	4,490	4,691	4,857	4,983	5,075
Massachusetts	18,681	18,868	18,802	8,506	6,575	8,280	8,485	8,783	9,324	9,682
Rhode Island	2,170	2,274	2,739	693	754	876	853	990	1,025	1,092
Connecticut	14,061	12,152	14,256	2,975	2,206	3,321	3,379	3,450	3,572	3,712
Middle Atlantic	185,771	186,935	190,635	31,516	38,946	58,298	62,071	64,748	67,935	70,801
New York	79,398	81,878	82,375	15,636	18,566	26,957	29,481	31,113	32,713	34,278
New Jersey	14,817	14,066	17,393	5,897	6,459	7,836	8,057	8,734	9,077	9,442
Pennsylvania	91,556	90,991	90,867	9,983	13,921	23,505	24,533	24,901	26,145	27,081
East North Central	405,245	412,753	419,051	94,365	124,298	153,853	160,664	168,210	174,150	181,598
Ohio	86,354	84,219	85,106	30,569	36,068	42,361	43,977	46,245	48,503	50,836
Indiana	73,347	76,246	73,768	30,962	39,857	49,440	50,284	50,995	51,314	52,034
Illinois	95,647	96,326	97,287	11,606	11,473	16,928	18,118	20,032	21,375	22,815
Michigan	74,190	77,283	81,106	7,829	17,186	21,698	22,493	24,167	25,143	26,281
Wisconsin	75,707	78,679	81,784	13,399	19,714	23,426	25,792	26,771	27,815	29,632
West North Central	650,058	759,820	777,793	14,968	30,223	61,503	69,989	78,762	87,384	96,166
Minnesota	93,517	107,103	110,661	3,968	16,905	30,011	32,399	34,223	35,501	37,217
Iowa	104,074	104,082	103,328	615	2,585	9,284	11,811	15,191	18,021	20,088
Missouri	96,041	111,520	110,540	6,713	7,879	11,043	11,739	12,319	13,074	14,326
North Dakota	68,796	106,523	106,846	955	710	1,874	2,366	2,953	3,592	4,026
South Dakota	96,306	115,485	120,271	363	548	3,510	4,087	4,840	6,147	7,096
Nebraska	80,272	86,556	93,907	1,205	496	3,273	3,979	4,651	5,364	6,386
Kansas	111,052	128,551	132,240	1,149	1,100	2,508	3,608	4,585	5,685	7,027
South Atlantic	297,193	365,567	357,554	32,154	61,178	82,282	89,541	95,384	100,840	96,514
Delaware	3,674	3,933	3,779	244	448	884	927	1,094	1,180	1,258
Maryland	16,459	14,772	14,847	2,489	3,663	4,640	5,307	5,493	5,704	6,308
Virginia	53,388	59,080	59,957	3,910	7,260	10,542	11,192	11,897	12,327	12,581
West Virginia	32,024	35,173	34,799	1,065	1,367	3,037	3,713	3,917	4,450	5,292
North Carolina	50,758	68,204	53,796	6,004	16,755	26,885	27,811	28,345	29,649	21,956
South Carolina	42,226	61,850	57,726	3,270	6,908	12,475	13,841	16,648	17,576	18,802
Georgia	80,669	94,912	102,284	12,342	18,339	11,416	13,015	13,972	14,831	14,922
Florida	17,995	27,643	30,366	2,830	6,438	12,403	13,735	14,018	15,123	15,395
East South Central	205,191	242,745	259,078	27,626	41,478	55,274	58,931	61,187	66,695	73,406
Kentucky	57,916	68,704	61,261	12,403	15,436	15,236	15,619	16,130	17,030	17,654
Tennessee	46,050	62,546	67,953	8,102	9,878	11,238	12,521	13,538	15,184	18,018
Alabama	55,446	58,410	67,907	4,988	10,420	17,514	18,204	17,370	18,369	19,784
Mississippi	45,779	53,085	61,957	2,133	5,744	11,286	12,587	14,149	16,112	17,950
West South Central	312,182	416,617	413,820	13,815	23,986	40,285	42,187	46,436	49,896	52,818
Arkansas	50,743	74,866	68,849	1,098	3,871	5,981	6,269	6,779	7,958	8,884
Louisiana	24,563	39,803	35,553	2,068	2,771	8,697	9,501	10,731	11,152	12,203
Oklahoma	107,916	[1] 134,263	120,879	122	2,461	2,930	3,300	3,711	4,774	5,307
Texas	128,960	167,685	188,539	10,527	14,883	22,677	23,117	25,215	26,012	26,424
Mountain	163,117	306,382	334,929	4,881	15,539	25,827	28,574	32,010	33,848	36,960
Montana	39,204	64,732	67,072	609	1,772	2,508	2,799	3,178	3,437	3,870
Idaho	24,396	31,099	39,825	679	2,982	6,961	7,940	8,487	8,884	9,766
Wyoming	14,797	46,528	41,233	468	440	1,284	1,361	1,604	1,760	1,987
Colorado	39,780	48,143	68,974	1,194	4,598	5,997	6,383	6,952	7,157	7,583
New Mexico	11,873	45,549	47,776	262	1,802	1,954	2,144	2,361	2,539	3,014
Arizona	12,075	21,227	22,818	253	1,233	3,070	3,150	3,421	3,597	3,849
Utah	8,810	23,047	23,655	1,154	2,544	2,600	3,001	3,996	4,237	4,451
Nevada	12,182	26,057	23,576	262	168	1,453	1,796	2,011	2,237	2,444
Pacific	140,286	167,180	172,462	19,928	34,387	49,126	52,135	53,481	54,222	56,448
Washington	42,428	45,816	43,881	4,922	12,062	16,483	16,655	16,406	16,718	16,870
Oregon	36,819	45,475	51,617	4,726	8,050	11,578	11,815	11,995	12,123	13,931
California	61,039	75,889	76,964	10,280	14,275	21,065	23,665	25,080	25,381	25,647

[1] Includes about 26,000 miles of section lines declared public highways by law but which are not open for general traffic.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 375.—LOCAL ROADS: MILEAGE AS OF DECEMBER 31, 1930, AND MILEAGE SURFACED DURING 1928, 1929, AND 1930

NOTE.—Data cover county and township roads only, excluding State highways

Division and State	Existing mileage, end of year 1930					Mileage surfaced [3] during—		
	Total, all types	Earth roads	Surfaced roads			1928	1929	1930
			Total	Low type [1]	High type [2]			
Continental U. S.	**2,684,570**	**2,217,232**	**467,338**	**425,742**	**41,596**	**29,888**	**29,804**	**35,883**
New England	**70,086**	**53,444**	**16,642**	**14,336**	**2,306**	**1,110**	**1,164**	**1,176**
Maine	18,843	14,502	4,341	4,316	25	390	417	415
New Hampshire	9,486	8,860	626	610	16	75	117	132
Vermont	10,827	9,304	1,523	1,519	4	26	25	25
Massachusetts	17,178	9,120	8,058	6,108	1,950	494	451	493
Rhode Island	1,730	1,209	521	402	119	109	137	92
Connecticut	12,022	10,449	1,573	1,381	192	16	17	19
Middle Atlantic	**161,246**	**113,025**	**48,221**	**34,875**	**13,346**	**2,639**	**2,982**	**3,931**
New York	68,360	45,326	23,034	14,746	8,288	1,290	1,624	1,901
New Jersey	15,520	7,919	7,601	5,151	2,450	838	794	743
Pennsylvania	77,366	59,780	17,586	14,978	2,608	511	564	1,287
East North Central	**373,378**	**233,645**	**139,733**	**129,743**	**9,990**	**7,021**	**7,459**	**7,903**
Ohio	73,763	34,181	39,582	35,802	3,780	2,021	2,989	2,241
Indiana	67,657	21,609	46,048	44,092	1,956	865	818	806
Illinois	87,398	72,286	15,112	13,227	1,885	731	766	920
Michigan	72,997	54,273	18,724	16,738	1,986	1,204	1,158	1,152
Wisconsin	71,563	51,296	20,267	19,884	383	2,200	1,728	2,784
West North Central	**722,952**	**661,945**	**61,007**	**60,173**	**834**	**6,454**	**6,908**	**8,584**
Minnesota	103,770	73,347	30,423	30,262	161	2,904	2,383	3,697
Iowa	95,643	82,091	13,552	13,544	8	2,209	1,921	1,853
Missouri	102,094	93,406	8,688	8,193	495	258	420	781
North Dakota	99,445	98,602	843	843	----------	88	75	82
South Dakota	114,295	111,183	3,112	3,112	----------	271	1,141	757
Nebraska	84,155	82,553	1,602	1,550	52	280	503	508
Kansas	123,550	120,763	2,787	2,669	118	444	465	906
South Atlantic	**313,147**	**249,698**	**63,449**	**59,471**	**3,978**	**4,566**	**3,134**	**3,982**
Delaware	2,962	2,521	441	387	54	203	108	50
Maryland	11,594	8,539	3,055	2,725	330	198	190	146
Virginia	52,269	45,290	6,979	6,881	98	246	271	190
West Virginia	30,635	28,430	2,205	1,345	860	456	272	387
North Carolina	45,091	30,865	14,226	13,620	606	745	817	1,712
South Carolina	51,733	37,797	13,936	13,776	160	1,659	884	1,266
Georgia	95,160	84,154	11,006	10,509	497	222	162	129
Florida	23,703	12,102	11,601	10,228	1,373	837	430	102
East South Central	**225,407**	**175,040**	**50,367**	**49,139**	**1,228**	**2,669**	**4,019**	**5,681**
Kentucky	46,261	36,761	9,500	9,398	102	521	514	509
Tennessee	60,909	48,851	12,058	11,456	602	603	984	2,183
Alabama	62,381	46,185	16,196	15,908	288	297	656	1,143
Mississippi	55,856	43,243	12,613	12,377	236	1,248	1,865	1,846
West South Central	**369,403**	**345,149**	**24,254**	**23,842**	**412**	**1,337**	**1,070**	**795**
Arkansas	60,039	58,021	2,018	2,005	13	20	80	75
Louisiana	25,044	20,390	4,654	4,641	13	437	110	100
Oklahoma	114,484	112,518	1,966	1,845	121	250	180	120
Texas	169,836	154,220	15,616	15,351	265	630	700	500
Mountain	**290,678**	**272,528**	**18,150**	**17,607**	**543**	**1,939**	**1,043**	**1,702**
Montana	58,924	56,900	2,024	2,022	2	200	100	100
Idaho	35,260	28,253	7,007	6,949	58	549	480	523
Wyoming	38,106	37,769	337	337	----------	----------	38	1
Colorado	59,740	56,527	3,213	3,207	6	184	168	278
New Mexico	38,442	38,099	343	343	----------	----------	----------	----------
Arizona	20,185	18,209	1,976	1,612	364	163	79	215
Utah	20,219	17,672	2,547	2,447	100	747	89	100
Nevada	19,802	19,099	703	690	13	96	89	485
Pacific	**158,273**	**112,758**	**45,515**	**36,556**	**8,959**	**2,153**	**2,025**	**2,129**
Washington	40,633	26,610	14,023	12,954	1,069	200	100	155
Oregon	47,265	36,938	10,327	9,820	507	100	75	75
California	70,375	49,210	21,165	13,782	7,383	1,853	1,850	1,899

[1] Includes sand-clay, gravel, and water-bound macadam.
[2] Includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[3] Includes original surfacing and reconstructed surfacing.
Source: Bureau of Public Roads, Department of Agriculture.

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No. 376.—STATE HIGHWAY SYSTEMS: MILEAGE AS OF DECEMBER 31, 1930, AND MILEAGE SURFACED DURING 1929 AND 1930

Division and State	Existing mileage, end of year 1930					Mileage surfaced during—		
	Total, all types	Earth roads	Surfaced roads			1929, total [3]	1930	
			Total	Low type [1]	High type [2]		Total [3]	On earth roads
Continental United States	**324,496**	**98,275**	**226,221**	**142,109**	**84,112**	**25,071**	**27,464**	**14,213**
New England	**13,658**	**1,452**	**12,206**	**8,355**	**3,851**	**818**	**791**	**443**
Maine	2,039	153	1,886	1,520	366	107	116	63
New Hampshire	2,548	114	2,434	2,038	396	195	219	145
Vermont	4,204	652	3,552	3,217	335	167	139	83
Massachusetts	1,624		1,624	254	1,370	159	88	
Rhode Island	1,009	438	571	132	439	35	47	30
Connecticut	2,234	95	2,139	1,194	945	155	182	122
Middle Atlantic	**29,389**	**6,809**	**22,580**	**5,260**	**17,320**	**1,569**	**1,841**	**884**
New York	14,015	2,771	11,244	1,796	9,448	841	964	353
New Jersey	1,873	32	1,841	247	1,594	160	177	82
Pennsylvania	13,501	4,006	9,495	3,217	6,278	568	700	449
East North Central	**45,673**	**3,808**	**41,865**	**18,529**	**23,336**	**4,635**	**4,503**	**1,305**
Ohio	11,343	89	11,254	5,543	5,711	365	663	45
Indiana	6,111	125	5,986	2,849	3,137	492	543	124
Illinois	9,889	2,186	7,703	4	7,699	624	790	716
Michigan	8,109	552	7,557	4,125	3,432	630	682	220
Wisconsin	10,221	856	9,365	6,008	3,357	2,524	1,825	200
West North Central	**54,841**	**19,682**	**35,159**	**25,994**	**9,165**	**7,052**	**7,206**	**3,608**
Minnesota	6,891	97	6,794	5,360	1,434	1,908	1,423	135
Iowa	7,685	1,149	6,536	3,039	3,497	1,050	1,277	547
Missouri	8,446	2,808	5,638	2,918	2,720	813	939	811
North Dakota	7,401	4,218	3,183	3,172	11	671	630	360
South Dakota	5,976	1,992	3,984	3,931	53	273	366	336
Nebraska	9,752	4,968	4,784	4,452	332	444	796	643
Kansas	8,690	4,450	4,240	3,122	1,118	1,893	1,775	776
South Atlantic	**44,407**	**11,342**	**33,065**	**19,386**	**13,679**	**2,847**	**2,563**	**1,654**
Delaware	817		817	64	753	53	82	56
Maryland	3,253		3,253	1,668	1,585	189	320	280
Virginia	7,688	2,086	5,602	3,988	1,614	283	357	357
West Virginia	4,164	1,077	3,087	1,118	1,969	438	563	337
North Carolina	8,705	975	7,730	3,705	4,025	532	462	158
South Carolina	5,993	1,127	4,866	3,399	1,467	802	388	174
Georgia	7,124	3,208	3,916	2,773	1,143	133	167	68
Florida	6,663	2,896	3,794	2,671	1,123	417	224	224
East South Central	**33,671**	**10,632**	**23,039**	**18,687**	**4,352**	**2,270**	**1,710**	**1,200**
Kentucky	15,000	6,846	8,154	7,146	1,008	657	728	388
Tennessee	7,044	1,084	5,960	3,863	2,097	605	497	386
Alabama	5,526	1,938	3,588	2,813	775	864	430	371
Mississippi	6,101	764	5,337	4,865	472	144	55	55
West South Central	**44,417**	**15,853**	**28,564**	**22,240**	**6,324**	**2,873**	**4,556**	**3,205**
Arkansas	8,810	1,944	6,866	5,697	1,169	1,499	1,782	1,086
Louisiana	10,509	2,960	7,549	6,871	678	380	1,411	951
Oklahoma	6,395	3,054	3,341	1,747	1,594	268	395	201
Texas	18,703	7,895	10,808	7,925	2,883	726	968	967
Mountain	**44,251**	**25,441**	**18,810**	**17,398**	**1,412**	**1,706**	**2,667**	**1,460**
Montana	8,148	6,302	1,846	1,788	58	261	200	160
Idaho	4,565	1,806	2,759	2,528	231	243	614	129
Wyoming	3,127	1,477	1,650	1,615	35	174	231	231
Colorado	9,234	4,859	4,375	3,981	394	132	246	139
New Mexico	9,334	6,663	2,671	2,585	86	363	811	475
Arizona	2,633	769	1,864	1,634	230	54	80	39
Utah	3,436	1,532	1,904	1,605	299	329	259	119
Nevada	3,774	2,033	1,741	1,662	79	150	226	168
Pacific	**14,189**	**3,256**	**10,933**	**6,260**	**4,673**	**1,301**	**1,627**	**454**
Washington	3,248	401	2,847	2,067	780	161	761	131
Oregon	4,352	748	3,604	2,380	1,224	434	377	87
California	6,589	2,107	4,482	1,813	2,669	706	489	236

[1] Includes sand-clay, gravel, and water-bound macadam.
[2] Includes bituminous macadam, bituminous concrete, sheet asphalt, Portland cement concrete, and block pavements.
[3] Includes original surfacing and reconstructed surfacing.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 377.—DISBURSEMENTS FOR RURAL HIGHWAYS BY OR UNDER SUPERVISION OF STATE HIGHWAY DEPARTMENTS, INCLUDING FEDERAL AID

NOTE.—Figures include disbursements, whether from current revenues or the proceeds of loans, for construction, maintenance, interest and principal payments on highway bonds, and transfers to local units

Division and State	Year in which first State aid law passed	1914	1919	1921	1925	1926	1927	1928	1929	1930
		Thousands of dollars								
Continental U. S.		24,221	106,861	397,484	649,125	621,744	707,179	827,550	910,485	1,139,677
New England		2,967	11,046	25,910	39,289	45,178	51,735	59,811	73,425	76,418
Maine	1901	467	1,739	6,524	7,105	10,279	8,684	[1]11,052	14,006	17,184
New Hampshire	1903	492	1,361	2,360	4,027	3,017	3,565	5,553	[2]7,713	9,640
Vermont	1898	458	901	951	3,618	3,713	4,080	5,762	12,516	9,013
Massachusetts	1892	243	3,620	7,864	12,881	13,794	18,380	16,478	20,180	21,926
Rhode Island	1902	-------	1,132	2,213	3,046	3,871	4,242	4,548	5,412	3,367
Connecticut	1895	1,307	2,293	5,998	8,612	10,504	12,784	16,419	13,598	15,288
Middle Atlantic		11,827	36,754	101,475	135,603	117,072	136,625	151,598	171,495	216,236
New York	1898	8,544	13,714	36,855	49,369	41,781	58,798	62,503	69,664	73,233
New Jersey	1891	1,307	6,320	15,608	23,939	24,378	27,763	32,479	41,397	47,414
Pennsylvania	1903	1,977	16,719	49,012	62,294	50,913	50,064	56,616	60,434	95,589
East North Central		4,383	16,717	68,512	118,903	104,321	114,016	160,563	160,363	190,673
Ohio	1904	1,855	4,604	15,547	24,086	29,496	25,518	33,953	30,281	47,491
Indiana	1917	-------	401	8,110	14,518	12,429	14,798	16,544	20,678	22,569
Illinois	1905	388	4,404	15,693	36,376	24,267	30,270	53,472	39,728	48,854
Michigan	1905	657	4,246	16,744	36,139	25,998	25,883	36,578	48,666	46,136
Wisconsin	1911	1,482	3,063	12,417	7,785	12,131	17,547	20,017	21,010	25,623
West North Central		1,670	5,686	41,087	84,876	88,723	101,852	104,993	123,547	171,732
Minnesota	1905	1,310	2,691	7,480	17,963	17,979	17,837	18,412	23,366	39,365
Iowa	1904	74	614	18,276	14,108	15,272	24,077	37,255	36,084	50,607
Missouri	1907	277	684	4,727	31,594	30,841	25,996	18,981	28,321	43,921
North Dakota	1909	-------	233	1,030	1,862	1,978	4,567	3,564	4,129	3,992
South Dakota	1911	-------	319	4,738	6,378	5,843	4,862	5,893	6,168	5,915
Nebraska	1911	-------	1,098	4,836	5,564	7,639	8,004	6,984	8,467	11,087
Kansas	1911	9	48	-------	7,407	9,171	16,509	13,904	17,012	16,845
South Atlantic		916	7,217	51,181	103,836	113,651	133,328	121,189	113,712	139,904
Delaware	1903	31	1,147	3,765	3,493	3,469	3,480	3,377	5,208	8,492
Maryland	1898	357	2,237	7,616	12,025	10,598	[3]10,598	10,668	13,617	17,992
Virginia	1906	524	2,262	7,114	14,072	12,014	14,714	14,448	14,214	19,189
West Virginia	1909	-------	480	1,877	16,139	17,492	19,311	16,224	19,184	23,308
North Carolina	1901	5	1,010	15,100	32,589	37,216	33,144	28,301	24,902	25,613
South Carolina	1917	-------	80	3,941	9,133	9,640	13,410	21,099	18,581	22,753
Georgia	1908	-------	-------	9,664	7,902	9,565	15,114	12,728	7,039	12,699
Florida	1915	-------	[4]	2,103	8,484	13,657	23,557	14,343	10,967	9,858
East South Central		188	1,826	16,621	45,008	38,845	44,734	60,329	68,942	92,737
Kentucky	1912	18	926	5,757	14,916	9,820	11,484	14,766	15,130	19,497
Tennessee	1915	-------	794	6,328	14,379	14,037	16,003	19,172	29,741	53,278
Alabama	1911	170	65	1,036	10,917	10,290	10,766	20,110	19,317	15,373
Mississippi	1915	-------	40	3,500	4,795	4,698	6,481	6,281	4,754	4,589
West South Central		276	3,360	26,897	52,733	50,205	58,119	84,901	104,613	136,738
Arkansas	1913	115	585	-------	11,200	9,563	14,532	31,784	40,971	39,821
Louisiana	1910	161	[4]	5,347	8,611	10,563	10,753	11,157	17,143	29,357
Oklahoma	1911	-------	2,125	4,775	12,938	10,420	12,816	13,251	11,969	20,228
Texas	1917	-------	650	16,775	19,985	19,659	20,018	28,710	34,530	47,332
Mountain		638	8,870	27,463	27,387	23,810	27,318	35,039	37,008	47,023
Montana	1913	14	397	3,640	1,267	1,155	1,541	3,863	4,488	6,378
Idaho	1905	50	850	4,863	3,637	4,191	3,847	5,413	3,365	6,637
Wyoming	1911	-------	771	3,446	3,973	2,974	2,873	3,600	3,123	3,590
Colorado	1909	301	1,775	4,156	5,565	5,850	5,232	6,957	7,142	8,144
New Mexico	1909	116	839	3,713	3,323	2,928	5,089	6,603	6,675	9,138
Arizona	1909	-------	1,451	2,948	2,443	2,565	2,608	2,443	4,873	5,233
Utah	1909	158	2,445	3,107	4,124	2,448	3,929	3,992	4,545	5,193
Nevada	1911	-------	342	1,590	3,056	1,699	2,199	2,167	2,797	2,710
Pacific		1,354	15,386	38,339	41,490	39,938	39,450	49,126	57,382	68,215
Washington	1905	1,343	2,895	9,696	7,846	8,825	8,628	13,893	15,702	15,806
Oregon	1913	11	5,923	17,828	15,553	10,018	10,263	10,268	11,328	14,668
California	1895	-------	6,568	10,815	18,091	21,095	20,559	24,965	30,352	37,741

[1] Excludes expenditures of $1,065,000 in cities under supervision of State highway department.
[2] Excludes expenditures of $2,462,000 for flood relief work.
[3] Data are for 1926.
[4] Data not available.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 378.—DISTRIBUTION OF DISBURSEMENTS FOR ALL RURAL ROAD PURPOSES, 1930: ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS

[All figures except percentages in thousands of dollars]

Division and State	Total	New and reconstructed roads and bridges		Maintenance roads and bridges		Principal and interest on highway bonds		Equipment and miscellaneous	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	1,885,851	1,009,712	53.5	475,912	25.2	315,354	16.7	84,872	4.5
New England	96,486	50,372	52.2	32,113	33.3	5,035	5.2	8,966	9.3
Maine	20,355	10,204	50.1	5,876	28.9	1,511	7.4	2,764	13.6
New Hampshire	11,644	3,167	27.2	7,419	63.7	543	4.7	515	4.4
Vermont	9,613	6,475	67.4	2,150	22.4	681	7.1	307	3.2
Massachusetts	31,190	16,796	53.9	9,479	30.4	1,425	4.6	3,490	11.2
Rhode Island	4,584	1,920	41.9	1,342	29.3	629	13.7	695	15.1
Connecticut	19,100	11,810	61.8	5,847	30.6	246	1.3	1,197	6.3
Middle Atlantic	352,534	204,785	58.1	85,560	24.3	46,802	13.3	15,387	4.4
New York	122,683	79,905	65.1	31,875	26.0	8,762	7.1	2,141	1.7
New Jersey	69,275	41,784	60.3	9,383	13.5	16,443	23.7	1,665	2.4
Pennsylvania	160,576	83,096	51.7	44,302	27.6	21,597	13.4	11,581	7.2
East North Central	399,772	202,296	50.6	104,416	26.1	80,070	20.0	12,990	3.2
Ohio	121,951	51,714	42.4	31,319	25.7	36,638	30.0	2,280	1.9
Indiana	60,019	27,663	46.1	16,786	28.0	14,144	23.6	1,426	2.4
Illinois	76,665	42,808	55.8	19,740	25.7	10,876	14.2	3,241	4.2
Michigan	83,532	45,012	53.9	22,154	26.5	13,392	16.0	2,974	3.6
Wisconsin	57,605	35,099	60.9	14,417	25.0	5,020	8.7	3,069	5.3
West North Central	277,473	175,522	63.3	58,741	21.2	29,108	10.5	14,102	5.1
Minnesota	61,675	33,193	53.8	10,106	16.4	15,305	24.8	3,071	5.0
Iowa	76,625	[1] 51,533	67.3	[1] 16,286	21.3	6,157	8.0	[1] 2,649	3.5
Missouri	62,791	45,386	72.3	9,545	15.2	4,892	7.8	2,968	4.7
North Dakota	7,792	5,142	66.0	1,975	25.3	215	2.8	460	5.9
South Dakota	12,400	6,726	54.2	5,150	41.5	16	.1	508	4.1
Nebraska	22,225	13,525	60.9	[2] 7,664	34.5	289	1.3	[2] 747	3.4
Kansas	33,965	20,017	58.9	8,015	23.6	2,234	6.6	3,699	10.9
South Atlantic	217,887	97,112	44.6	55,985	25.7	55,114	25.3	9,676	4.4
Delaware	10,346	2,455	23.7	840	8.1	6,487	62.7	564	5.5
Maryland	23,886	13,950	58.4	4,011	16.8	3,710	15.5	2,215	9.3
Virginia	28,104	11,785	41.9	12,557	44.7	3,026	10.8	736	2.6
West Virginia	34,562	18,787	54.4	7,578	21.9	7,782	22.5	415	1.2
North Carolina	36,240	11,577	31.9	[2] 8,826	24.4	14,950	41.3	[2] 887	2.4
South Carolina	29,922	16,741	55.9	6,059	20.2	6,180	20.7	942	3.1
Georgia	25,481	11,252	44.2	8,730	34.3	3,532	13.9	1,967	7.7
Florida	29,346	10,565	36.0	7,384	25.2	9,447	32.2	1,950	6.6
East South Central	151,658	69,350	45.7	42,788	28.2	32,121	21.2	7,399	4.9
Kentucky	26,307	15,543	59.1	7,228	27.5	1,929	7.3	1,607	6.1
Tennessee	68,400	33,728	49.3	11,924	17.4	18,047	26.4	4,701	6.9
Alabama	27,092	12,587	46.5	7,714	28.5	6,158	22.7	633	2.3
Mississippi	29,859	7,492	25.1	15,922	53.3	5,987	20.1	458	1.5
West South Central	198,053	108,292	54.7	42,876	21.6	41,644	21.0	5,241	2.6
Arkansas	47,164	26,330	55.8	2,954	6.3	16,963	36.0	917	1.9
Louisiana	39,007	24,176	62.0	7,367	18.9	6,523	16.7	941	2.4
Oklahoma	34,788	18,336	52.7	10,646	30.6	4,808	13.8	998	2.9
Texas	77,094	39,450	51.2	21,909	28.4	13,350	17.3	2,385	3.1
Mountain	71,601	36,899	51.5	21,392	29.9	8,270	11.6	5,040	7.0
Montana	11,278	6,554	58.1	2,978	26.4	1,200	10.6	546	4.8
Idaho	13,296	5,917	44.5	2,717	20.4	2,590	19.5	2,072	15.6
Wyoming	4,778	2,472	51.7	1,898	39.7	264	5.5	144	3.0
Colorado	14,082	6,586	46.8	5,634	40.0	1,080	7.7	782	5.6
New Mexico	9,621	6,029	62.7	2,217	23.0	1,064	11.1	311	3.2
Arizona	7,974	4,016	50.4	2,933	36.8	483	6.1	542	6.8
Utah	7,091	3,290	46.4	2,046	28.9	1,280	18.1	475	6.7
Nevada	3,481	2,035	58.5	969	27.8	309	8.9	168	4.8
Pacific	120,385	65,086	54.1	32,042	26.6	17,187	14.3	6,070	5.0
Washington	23,435	14,842	63.3	6,530	27.9	1,450	6.2	613	2.6
Oregon	24,849	13,881	55.9	[2] 4,494	18.1	5,145	20.7	[2] 1,329	5.3
California	72,101	36,363	50.4	21,018	29.2	10,592	14.7	4,128	5.7

[1] Equipment for State higways included with construction and maintenance.
[2] Equipment for State highways included with maintenance.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 379.—FUNDS AVAILABLE FOR RURAL ROAD PURPOSES: CONSOLIDATED DATA FOR ALL STATES, COUNTIES, TOWNSHIPS, AND DISTRICTS, 1930

NOTE.—**All figures except percentages in thousands of dollars.** Funds are those available for the purposes indicated in Table 378

Division and State	Total	Motor-vehicle fees and gasoline taxes		Other taxes and appropriations		Proceeds of bonds and notes		Federal aid post-road funds [1]		All other sources [2]	
		Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent	Amount	Per cent
Continental U. S.	**2,302,646**	**862,933**	**37.5**	**537,951**	**23.4**	**316,973**	**13.8**	**92,463**	**4.0**	**492,326**	**21.4**
New England	**101,897**	**49,555**	**48.6**	**25,824**	**25.3**	**5,821**	**5.7**	**4,333**	**4.3**	**16,364**	**16.1**
Maine	18,839	7,714	40.9	4,108	21.8	3,375	17.9	1,216	6.5	2,426	12.9
New Hampshire	12,998	4,526	34.8	3,582	27.6	1,500	11.5	895	6.9	2,495	19.2
Vermont	9,066	4,314	47.6	1,522	16.8	441	4.9	333	3.7	2,456	27.1
Massachusetts	36,788	17,690	48.1	11,384	30.9	400	1.1	1,264	3.4	6,050	16.4
Rhode Island	5,718	2,400	42.0	1,416	24.8	105	1.8	136	2.4	1,661	29.0
Connecticut	18,488	12,911	69.8	3,812	20.6	-------	-------	489	2.6	1,276	6.9
Middle Atlantic	**461,148**	**159,652**	**34.6**	**117,666**	**25.5**	**29,216**	**6.3**	**10,004**	**2.2**	**144,570**	**31.4**
New York	185,643	61,402	33.1	40,275	21.7	-------	-------	3,618	1.9	80,348	43.3
New Jersey	95,083	30,958	32.6	29,820	31.4	23,797	25.0	701	.7	9,807	10.3
Pennsylvania	180,422	67,292	37.3	47,571	26.4	5,419	3.0	5,725	3.2	54,415	30.2
East North Central	**439,389**	**216,295**	**44.2**	**137,830**	**28.2**	**50,931**	**10.4**	**16,025**	**3.3**	**68,308**	**14.0**
Ohio	131,986	37,322	28.2	41,157	31.2	29,001	22.0	4,500	3.4	20,006	15.2
Indiana	70,885	24,463	34.5	24,900	35.1	8,110	11.4	2,073	2.9	11,339	16.0
Illinois	108,462	76,144	70.2	19,767	18.2	1,350	1.2	4,090	3.8	7,111	6.6
Michigan	107,305	54,490	50.8	25,500	23.8	7,100	6.6	2,303	2.1	17,912	16.7
Wisconsin	70,751	23,876	33.7	26,506	37.5	5,370	7.6	3,059	4.3	11,940	16.9
West North Central	**316,301**	**105,697**	**33.4**	**75,155**	**23.8**	**67,022**	**21.2**	**17,900**	**5.7**	**50,527**	**16.0**
Minnesota	71,804	23,634	32.9	19,806	27.6	10,222	14.2	3,650	5.1	14,492	20.2
Iowa	83,798	22,134	26.4	18,742	22.4	27,101	32.3	3,876	4.6	11,945	14.3
Missouri	69,043	18,838	27.3	9,600	13.9	27,753	40.2	3,482	5.0	9,370	13.6
North Dakota	9,562	3,666	38.3	2,277	23.8	-------	-------	1,208	12.6	2,411	25.2
South Dakota	15,972	5,772	36.1	5,281	33.1	282	1.8	1,218	7.6	3,419	21.4
Nebraska	24,287	13,141	54.1	6,398	26.3	25	.1	2,093	8.6	2,630	10.8
Kansas	41,835	18,512	44.3	13,051	31.2	1,639	3.9	2,373	5.7	6,260	15.0
South Atlantic	**274,247**	**99,022**	**36.1**	**58,173**	**21.2**	**42,459**	**15.5**	**6,252**	**2.3**	**68,341**	**24.9**
Delaware	10,148	2,644	26.1	6,698	66.0	-------	-------	381	3.8	425	4.2
Maryland	24,541	8,325	33.9	6,545	26.7	4,449	18.1	757	3.1	4,465	18.2
Virginia	31,438	16,847	53.6	6,988	22.2	212	.7	1,091	3.5	6,300	20.0
West Virginia	46,343	10,170	21.9	10,103	21.8	16,072	34.7	1,037	2.2	8,961	19.3
North Carolina	38,806	19,921	51.3	5,862	15.1	448	1.2	712	1.8	11,863	30.6
South Carolina	51,776	10,585	20.4	3,487	6.7	20,747	40.1	471	.9	16,486	31.8
Georgia	28,449	14,400	50.6	9,635	33.9	-------	-------	573	2.0	3,841	13.5
Florida	42,746	16,130	37.7	8,855	20.7	531	1.2	1,230	2.9	16,000	37.4
East South Central	**207,843**	**49,591**	**23.9**	**34,316**	**16.5**	**59,357**	**28.6**	**6,110**	**2.9**	**58,469**	**28.1**
Kentucky	36,171	13,195	36.5	6,320	17.5	10,449	28.9	2,571	7.1	3,636	10.1
Tennessee	100,718	16,771	16.7	8,467	8.4	39,876	39.6	1,460	1.4	34,144	33.9
Alabama	30,141	9,804	32.5	5,636	18.7	7,335	24.3	1,617	5.4	5,749	19.1
Mississippi	40,813	9,821	24.1	13,893	34.0	1,697	4.2	462	1.1	14,940	36.6
West South Central	**224,586**	**81,945**	**36.5**	**39,048**	**17.4**	**52,141**	**23.2**	**12,825**	**5.7**	**38,627**	**17.2**
Arkansas	58,256	16,730	28.7	2,100	3.6	35,580	61.1	2,248	3.9	1,598	2.7
Louisiana	44,407	11,967	26.9	9,679	21.8	11,761	26.5	183	.4	10,817	24.4
Oklahoma	36,663	18,478	50.4	8,219	22.4	800	2.2	4,463	12.2	4,703	12.8
Texas	85,260	34,770	40.8	19,050	22.3	4,000	4.7	5,931	7.0	21,509	25.2
Mountain	**75,366**	**29,499**	**39.1**	**15,524**	**20.6**	**6,263**	**8.3**	**12,223**	**16.2**	**11,857**	**15.7**
Montana	10,762	4,503	41.8	2,820	26.2	100	.9	2,628	24.4	711	6.6
Idaho	15,107	4,820	31.9	3,997	26.5	2,044	13.5	1,015	6.7	3,231	21.4
Wyoming	4,982	2,067	41.5	834	16.7	-------	-------	1,017	20.4	1,064	21.4
Colorado	16,029	7,219	45.0	3,473	21.7	23	.1	2,299	14.3	3,015	18.8
New Mexico	10,032	3,479	34.7	428	4.3	3,438	34.3	1,564	15.6	1,123	11.2
Arizona	8,042	3,520	43.8	1,628	20.2	390	4.8	1,658	20.6	846	10.5
Utah	6,809	2,834	41.6	1,604	23.6	193	2.8	921	13.5	1,257	18.5
Nevada	3,603	1,057	29.3	740	20.5	75	2.1	1,121	31.1	610	16.9
Pacific	**151,867**	**71,674**	**47.2**	**34,418**	**22.7**	**3,762**	**2.5**	**6,751**	**4.4**	**35,262**	**23.2**
Washington	27,836	17,702	63.6	6,800	24.4	100	.4	1,254	4.5	1,980	7.1
Oregon	25,918	13,340	51.5	5,300	20.4	2,781	10.7	1,565	6.0	2,932	11.3
California	98,113	40,632	41.4	22,318	22.7	881	.9	3,932	4.0	30,350	30.9

[1] For road and bridge purposes under supervision of State highway departments only.
[2] Includes balance from previous year and miscellaneous income.
Source: Bureau of Public Roads, Department of Agriculture.

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No. 380.—HIGHWAY CONSTRUCTION UNDER FEDERAL AID: STATUS AS OF DECEMBER 31, 1931

[Total cost and Federal aid expressed in thousands of dollars]

Division and State	Mileage completed prior to Jan. 1, 1932 [1]	Projects under construction			Projects approved for construction			Federal-aid fund available for new projects
		Total cost	Federal aid	Miles [1]	Total cost	Federal aid	Miles [1]	
Grand total [2]	99,777	216,850	98,080	8,672	35,473	15,134	1,910	113,879
New England	2,773	17,682	6,232	196	1,087	410	15	4,299
Maine	706	1,804	789	31	38	14	1	1,305
New Hampshire	419	636	247	15				548
Vermont	339	105	52	4				547
Massachusetts	768	10,698	3,438	100	968	355	12	868
Rhode Island	258	812	427	17	81	41	2	325
Connecticut	283	3,627	1,279	29				706
Middle Atlantic	6,769	25,792	10,549	451	2,480	963	50	11,645
New York	3,204	14,783	6,219	317	2,480	963	50	4,785
New Jersey	574	6,233	2,157	68				1,704
Pennsylvania	2,991	4,776	2,173	66				5,156
East North Central	11,833	49,781	21,766	1,569	7,777	3,605	259	16,386
Ohio	2,815	7,403	2,580	144	1,108	548	7	4,146
Indiana	1,765	7,820	3,872	212	1,917	918	80	2,443
Illinois	2,631	21,041	9,705	641	4,079	1,803	139	3,553
Michigan	1,974	9,833	4,207	398	673	336	33	3,527
Wisconsin	2,648	3,684	1,402	174				2,717
West North Central	27,478	20,354	9,491	1,406	11,374	4,424	892	14,743
Minnesota	4,291	2,048	780	80	6,680	2,146	292	527
Iowa	3,379	331	138	12	876	413	33	2,387
Missouri	2,910	3,601	1,495	110	1,367	606	51	3,070
North Dakota	5,113	1,882	945	339	1,327	679	409	1,961
South Dakota	4,036	2,852	1,579	350	318	181	35	1,417
Nebraska	4,111	6,283	2,987	327				2,621
Kansas	3,638	3,357	1,567	188	806	399	72	2,760
South Atlantic	11,570	23,248	10,688	957	3,123	1,528	157	14,328
Delaware	361	207	103	5	395	198	19	373
Maryland	769	465	161	14	251	125	12	786
Virginia	1,822	3,372	1,588	190	166	83	5	2,086
West Virginia	862	2,256	989	78	234	109	1	1,196
North Carolina	2,210	1,504	731	72	223	112	21	3,865
South Carolina	1,987	2,899	1,259	116				1,370
Georgia	3,002	6,599	3,071	311	1,854	901	99	1,606
Florida	557	5,946	2,786	171				3,046
East South Central	7,741	8,235	3,969	475	964	443	46	16,771
Kentucky	1,879	2,145	966	134	80	40	6	2,032
Tennessee	1,664	849	422	33	437	203	20	3,871
Alabama	2,388	1,778	865	80				5,380
Mississippi	1,810	3,463	1,716	228	447	200	20	5,488
West South Central	13,224	30,183	13,420	1,331	3,539	1,099	208	13,495
Arkansas	1,911	4,069	1,909	169	362	181	17	1,991
Louisiana	1,537	7,320	2,868	128	1,296	68	1	1,644
Oklahoma	2,194	5,290	2,573	221	54	30	[3]	2,534
Texas	7,582	13,504	6,070	813	1,827	820	190	7,326
Mountain	13,456	23,693	14,029	1,750	2,302	1,349	194	13,537
Montana	2,603	5,641	3,158	463	462	261	75	3,199
Idaho	1,474	1,795	1,031	177	204	123	9	1,471
Wyoming	2,050	2,309	1,369	234	308	196	36	859
Colorado	1,507	5,417	2,742	298	704	314	14	2,005
New Mexico	2,178	2,868	1,834	150	107	68	[3]	1,446
Arizona	1,117	3,563	2,344	210	301	227	43	1,600
Utah	1,219	650	453	60	216	160	17	1,404
Nevada	1,308	1,450	1,098	158				1,553
Pacific	4,874	16,977	7,520	509	2,677	1,258	87	6,656
Washington	1,178	2,253	1,080	74	588	223	27	1,790
Oregon	1,538	3,289	1,824	128	108	65	15	2,144
California	2,158	11,435	4,616	307	1,981	970	45	2,722
Hawaii	63	905	414	28	152	54	4	2,018

[1] Figures expressed in nearest mile, original figures in nearest tenth.

[2] Includes Hawaii.

[3] Less than five-tenths of 1 mile.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 381.—PRODUCTION AND REGISTRATION OF MOTOR VEHICLES

NOTE.—Figures for earlier years are largely estimates. Beginning with 1921, data include production of plants located in Canada, making motor vehicles of United States design, and cars assembled in foreign countries from American parts; figures represent factory sales for United States plants and production for Canadian plants. Motor cycles and trailers are not included

Year	Production [1]						Registration (in thousands)		
	Number (in thousands)			Wholesale value (thousands of dollars)			Total	Passenger cars, busses, and taxis	Trucks and road tractors [2]
	Total	Passenger cars	Motor trucks	Total	Passenger cars	Motor trucks			
1900 [3]	4	4		4,899	4,899		8		
1901	7	7		8,183	8,183		15		
1902	9	9		10,395	10,395		23		
1903	11	11		13,000	13,000		33		
1904 [3]	23	22	(4)	24,629	23,682	947	55	55	(4)
1905	25	25	(4)	40,000	39,030	970	78	77	1
1906	34	33	1	62,900	61,850	1,050	107	106	1
1907	44	43	1	93,400	92,040	1,360	142	140	2
1908	65	63	2	137,800	135,250	2,550	198	194	3
1909 [3]	131	128	3	165,149	159,919	5,230	312	306	6
1910	187	181	6	225,000	215,340	9,660	468	458	10
1911	210	199	11	246,000	225,000	21,000	640	620	20
1912	378	356	22	378,000	335,000	43,000	944	903	41
1913	485	462	23	443,902	399,902	44,000	1,258	1,194	64
1914 [3]	569	544	25	458,958	413,859	45,098	1,711	1,626	86
1915	970	896	74	701,778	575,978	125,800	2,446	2,310	136
1916	1,618	1,526	92	1,082,378	921,378	161,000	3,513	3,298	215
1917	1,874	1,746	128	1,274,488	1,053,506	220,983	4,983	4,657	326
1918	1,171	943	227	1,236,107	801,938	434,169	6,147	5,622	525
1919	1,934	1,658	276	1,885,113	1,461,786	423,327	7,565	6,771	794
1920	2,227	1,906	322	2,232,420	1,809,171	423,249	9,232	8,226	1,006
1921	1,682	1,518	164	1,261,667	1,091,752	169,914	10,463	9,483	980
1922	2,646	2,369	277	1,793,023	1,561,741	231,282	12,238	10,960	1,279
1923	4,180	3,754	427	2,592,033	2,274,554	317,479	15,092	13,540	1,553
1924	3,738	3,304	434	2,367,413	2,040,707	326,706	17,594	15,461	2,133
1925	4,428	3,871	557	3,015,164	2,544,529	470,635	19,937	17,496	2,441
1926	4,506	3,949	557	3,214,817	2,746,065	468,753	22,001	19,237	2,764
1927	3,580	3,083	497	2,700,706	2,265,633	435,073	23,133	20,219	2,914
1928	4,601	4,012	589	3,162,799	2,703,754	459,045	24,493	21,379	3,114
1929	5,622	4,795	827	3,576,646	2,981,142	595,504	26,501	23,122	3,380
1930	3,510	2,910	600	2,126,602	1,720,652	405,950	26,545	23,059	3,486
1931	2,472	2,038	434	1,426,656	1,153,908	272,748	25,814	22,348	3,466

[1] See headnote.
[2] Road tractors are not included prior to 1924.
[3] Production data are from United States Census Reports and in 1900 are for fiscal year ended June 30.
[4] Less than 500.

Sources: National Automobile Chamber of Commerce and Bureau of Public Roads.

No. 382.—PRODUCTION OF OPEN AND CLOSED CARS IN THE UNITED STATES AND CANADA, BY PRICE GROUPS [1]

Year	Under $1,000		$1,000 to $2,000		$2,000 to $3,000		$3,000 and over		Per cent closed, all classes
	Open	Closed	Open	Closed	Open	Closed	Open	Closed	
1921	822,843	224,619	288,372	65,336	51,809	30,167	19,552	15,363	22.1
1922	1,322,357	430,769	312,165	204,296	11,709	47,519	8,678	31,596	30.1
1923	2,071,339	991,842	395,545	220,102	7,838	37,248	2,913	27,118	34.0
1924	1,545,197	890,106	318,387	388,846	14,293	103,224	5,403	38,190	43.0
1925	1,491,766	1,188,462	174,438	833,786	12,008	131,591	5,894	32,799	56.5
1926	978,760	1,804,316	109,843	867,340	12,423	144,391	4,479	27,291	72.0
1927	375,738	1,621,465	77,073	836,492	10,075	130,888	3,352	28,277	84.9
1928	385,381	2,535,547	62,198	856,371	10,037	127,354	2,512	32,758	88.5
1929	477,302	3,425,228	22,055	713,120	9,815	121,055	1,237	25,086	89.4
1930	257,338	2,178,470	19,912	363,009	3,513	63,029	1,966	22,950	90.3
1931	93,837	1,648,386	7,407	236,234	1,195	38,765	1,229	11,130	94.9

[1] The figures for 1921 are based only on price of 5-passenger open cars of a given chassis. Thus, if this model sold for less than $1,000, the total production of cars with the same chassis is included in the "under $1,000" class, even though closed models sold for over $1,000. In 1922 and later years actual f. o. b. prices of open and closed models are considered separately and the cars included under proper classification.

Source: Automotive Industries. The grouping is based on retail prices f. o. b. factory.

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No. 383.—MOTOR-VEHICLE PRODUCTION IN THE UNITED STATES [1]

Month	1923	1924	1925	1926	1927	1928	1929	1930	1931
	Passenger cars								
Total	3,624,717	3,185,881	3,735,171	3,783,987	2,936,533	3,815,417	4,587,400	2,784,745	1,973,090
January	223,421	286,314	209,510	276,119	198,157	205,539	347,609	233,815	138,317
February	252,780	335,356	246,924	323,139	262,550	291,005	406,171	280,016	180,419
March	321,453	344,803	325,915	384,579	343,872	371,283	513,656	330,922	231,244
April	337,149	334,736	381,301	385,342	356,823	364,261	537,564	372,932	286,917
May	347,019	275,196	371,192	374,789	356,930	374,680	516,181	361,368	271,475
June	334,596	219,730	356,695	340,716	279,565	355,685	452,749	285,936	210,396
July	299,139	239,299	353,897	317,160	237,811	337,560	425,998	222,205	184,173
August	313,107	252,108	222,030	381,041	275,585	398,722	441,820	183,918	155,425
September	298,504	261,143	265,703	352,070	226,443	357,704	364,336	176,426	109,228
October	334,742	257,785	391,672	290,254	183,042	338,883	319,330	113,808	58,415
November	285,346	201,960	329,294	220,357	109,712	215,742	169,492	101,141	49,184
December	277,461	177,451	281,038	138,421	106,043	204,353	92,494	122,258	97,897
	Motor trucks and busses								
Total	409,295	416,659	530,659	516,947	464,793	543,342	771,020	571,241	416,648
January	22,468	32,275	31,069	32,879	40,751	26,189	53,428	39,406	33,531
February	25,311	35,213	36,714	40,513	42,185	32,791	60,247	50,398	39,521
March	38,023	38,621	48,491	48,888	50,641	42,031	71,799	65,466	45,161
April	41,989	41,132	52,491	53,994	49,559	45,843	84,346	71,092	50,022
May	48,536	39,981	47,864	50,378	48,718	51,103	88,510	58,659	45,688
June	45,514	32,070	41,829	45,553	44,252	41,111	93,183	48,570	40,244
July	32,705	30,513	45,050	42,450	31,585	54,526	44,842	43,328	34,317
August	35,109	32,528	38,206	45,810	34,409	62,576	56,808	40,450	31,772
September	29,216	35,239	60,025	46,868	33,867	57,610	51,576	44,223	31,338
October	31,719	36,768	50,309	44,167	36,640	58,401	60,687	40,593	21,727
November	29,158	32,651	42,977	35,944	24,658	41,398	48,081	35,613	19,683
December	29,547	29,611	35,634	29,503	27,528	29,763	27,513	33,443	23,644

[1] Figures represent production or factory sales. Passenger cars include taxicabs; trucks and busses include ambulances, funeral cars, fire apparatus, and street sweepers.

No. 384.—STATE GASOLINE TAXES

NOTE.—In a majority of States all the proceeds of these taxes and in all but a few of the others the great bulk of the proceeds are applied to road purposes

State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—		State	Total gross receipts in thousands of dollars			Tax in cents per gallon on Dec. 31—	
	1925	1930	1931	1930	1931		1925	1930	1931	1930	1931
Total	146,029	494,683	537,590			Montana	675	2,942	3,018	5	5
						Nebraska	2,194	9,060	9,096	4	4
Alabama	2,141	6,901	7,197	4	5	Nevada	319	675	778	4	4
Arizona	856	2,670	3,204	4	5	New Hampshire	707	2,499	2,657	4	4
Arkansas	[1] 2,950	6,427	6,448	5	6	New Jersey	[2]	11,380	17,173	3	3
California	14,957	34,870	39,864	3	3	New Mexico	537	2,762	2,686	5	5
Colorado	1,961	6,145	6,254	4	4	New York	[2]	28,476	30,589	2	2
Connecticut	1,909	4,515	4,777	2	2	North Carolina	6,082	12,533	14,024	5	6
Delaware	342	1,013	1,072	3	3	North Dakota	634	1,972	2,032	3	3
Dist. of Col	890	1,600	1,726	2	2	Ohio	9,010	37,081	39,328	4	4
Florida	7,658	13,655	15,018	6	7	Oklahoma	5,144	12,092	11,665	4	5
Georgia	4,419	13,435	13,314	6	6	Oregon	2,909	6,199	6,187	4	4
Idaho	895	2,731	2,609	5	5	Pennsylvania	8,353	33,624	33,189	4	3
Illinois	[2]	27,472	29,066	3	3	Rhode Island	318	1,736	1,896	2	2
Indiana	7,653	17,159	18,044	4	4	South Carolina	3,865	7,146	7,246	6	6
Iowa	3,595	10,584	10,928	3	3	South Dakota	1,848	3,504	3,395	4	4
Kansas	2,905	9,120	8,071	3	3	Tennessee	3,408	10,719	11,461	5	7
Kentucky	3,042	8,415	8,813	5	5	Texas	4,642	29,527	30,515	4	4
Louisiana	2,340	7,546	9,398	5	5	Utah	1,064	2,106	2,310	3½	4
Maine	1,268	4,169	4,439	4	4	Vermont	502	1,880	1,967	4	4
Maryland	1,977	6,991	7,431	4	4	Virginia	3,702	10,775	11,445	5	5
Massachusetts	[2]	10,563	15,306	2	3	Washington	3,021	7,253	11,032	3	5
Michigan	8,236	21,713	21,873	3	3	West Virginia	2,187	5,367	5,395	4	4
Minnesota	3,864	10,359	11,070	3	3	Wisconsin	4,032	8,315	15,780	2	4
Mississippi	2,494	6,918	6,009	5	5½	Wyoming	456	1,447	1,587	4	4
Missouri	4,159	8,639	9,207	2	2						

[1] In addition, $438,436 was collected on motor-oil tax of 10 cents per gallon. [2] No tax imposed.

Sources: Table 383, Bureau of the Census, Department of Commerce: Table 384, Bureau of Public Roads, Department of Agriculture.

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No. 385.—MOTOR VEHICLE REGISTRATIONS: PASSENGER CARS AND MOTOR TRUCKS COMBINED, BY STATES

NOTE.—Net number of cars and trucks shown when possible, excluding reregistrations and nonresident registrations. Totals in this table do not include those official cars which are exempt (or partially exempt) from paying regular registration fees to the States

Division and State	1913	1915	1920	1925 [1]	1929 [1]	1930 [1]	1931 [1]
Continental U. S.	1,258,062	2,445,666	9,231,941	19,937,274	26,501,443	26,545,281	25,814,103
New England	121,327	206,609	573,321	1,290,151	1,666,192	1,698,619	1,697,733
Maine	11,022	21,545	62,907	140,499	184,506	186,157	188,238
New Hampshire	8,237	13,449	34,680	81,498	108,880	112,183	111,510
Vermont	5,913	11,499	31,625	69,576	93,030	86,624	83,877
Massachusetts	62,660	102,633	274,498	646,153	817,704	846,206	840,190
Rhode Island	10,295	16,362	50,477	101,756	134,009	136,423	137,878
Connecticut	23,200	41,121	119,134	250,669	328,063	331,026	336,040
Middle Atlantic	266,033	497,227	1,474,106	3,536,570	4,828,874	4,914,101	4,909,058
New York	134,495	255,242	676,205	1,625,583	2,263,159	2,307,730	2,297,249
New Jersey	51,360	81,848	227,737	580,554	832,332	852,850	869,867
Pennsylvania	80,178	160,137	570,164	1,330,433	1,733,283	1,753,521	1,741,942
East North Central	314,524	653,665	2,229,396	4,918,383	6,437,021	6,384,157	6,171,296
Ohio	86,156	181,332	621,390	1,346,400	1,766,614	1,759,363	1,710,625
Indiana	45,000	96,915	333,067	725,410	866,715	875,763	862,672
Illinois	94,656	180,832	568,924	1,263,177	1,615,088	1,638,260	1,612,770
Michigan	54,366	114,845	412,717	989,010	1,395,102	1,328,209	1,230,980
Wisconsin	34,346	79,741	293,298	594,386	793,502	782,562	754,249
West North Central	232,044	499,992	1,782,946	2,941,814	3,663,223	3,681,901	3,561,269
Minnesota	46,000	93,269	324,166	569,694	730,399	732,972	720,401
Iowa	70,299	145,109	437,378	659,202	784,450	778,386	748,438
Missouri	38,140	76,462	297,008	604,166	756,680	761,600	752,805
North Dakota	15,187	24,908	90,840	144,972	188,046	183,019	171,293
South Dakota	14,457	28,724	120,395	168,028	204,199	205,172	193,025
Nebraska	13,411	59,000	219,000	338,719	418,226	426,229	416,131
Kansas	34,550	72,520	294,159	457,033	581,223	594,523	559,176
South Atlantic	77,823	150,594	806,053	1,920,982	2,602,134	2,517,673	2,463,184
Delaware	2,440	5,052	18,300	40,140	54,960	56,109	55,202
Maryland	14,217	31,047	102,841	234,247	319,873	321,702	325,372
District of Columbia	4,000	8,009	34,161	103,092	151,450	156,676	173,519
Virginia	9,022	21,357	115,470	282,650	387,205	375,889	379,227
West Virginia	5,144	13,279	80,664	217,589	268,888	266,273	253,308
North Carolina	10,000	21,000	140,860	[2] 340,287	483,602	453,241	428,737
South Carolina	10,000	15,000	93,843	168,496	231,274	218,402	203,719
Georgia	[3] 20,000	25,000	146,000	248,093	358,905	341,580	320,840
Florida	[3] 3,000	[3] 10,850	73,914	286,388	345,977	327,801	323,260
East South Central	26,360	48,421	357,658	878,115	1,230,623	1,213,501	1,107,961
Kentucky	7,210	19,500	112,683	261,647	332,848	331,002	327,326
Tennessee	[4] 10,000	[5] 7,618	101,852	244,626	362,431	368,259	350,520
Alabama	5,300	11,634	74,637	194,580	285,533	277,146	246,465
Mississippi	3,850	9,669	68,486	177,262	250,011	237,094	183,650
West South Central	48,583	84,433	772,655	1,790,017	2,432,894	2,411,714	2,223,807
Arkansas	3,583	8,021	59,082	183,589	233,128	220,204	180,731
Louisiana	[4] 10,000	11,380	73,000	207,000	280,868	275,283	263,050
Oklahoma	[3] 3,000	25,032	212,880	424,345	570,791	550,331	482,725
Texas	[4] 32,000	[4] 40,000	427,693	975,083	1,348,107	1,365,896	1,297,301
Mountain	33,215	78,520	374,473	675,706	954,593	962,572	937,411
Montana	5,916	14,540	60,650	94,656	140,387	135,168	127,166
Idaho	2,113	7,071	50,861	81,506	118,074	119,077	111,663
Wyoming	1,584	3,976	23,926	47,711	60,680	61,501	62,101
Colorado	13,000	28,894	129,255	240,097	303,489	308,509	308,458
New Mexico	1,898	5,100	22,100	49,111	78,374	84,150	81,325
Arizona	3,613	7,753	34,601	68,029	109,013	110,525	105,572
Utah	4,000	9,177	42,616	73,427	112,661	113,997	108,958
Nevada	1,091	2,009	10,464	21,169	31,915	29,645	32,168
Pacific	138,153	226,205	861,333	1,985,536	2,685,689	2,761,043	2,742,384
Washington	24,178	38,823	173,920	328,442	442,341	446,062	420,878
Oregon	13,975	23,585	103,790	216,553	269,007	[6] 273,625	[6] 278,225
California	[4] 100,000	163,797	583,623	1,440,541	1,974,341	2,041,356	2,043,281

[1] Includes road tractors.
[2] Fiscal registration year ends June 30; figure represents registration July 1 to Dec. 31.
[3] Registrations incomplete.
[4] Estimated.
[5] Cars registered during 1915 only; total, approximately 26,000.
[6] Registrations during year ended June 30.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 386.—REGISTRATIONS AND REVENUES FROM MOTOR VEHICLES, 1931

Division and State	Number of motor cars				Trailers, registered [1]	Motor cycles, registered and official, combined	Receipts from motor-vehicle administration		Amount used for highway purposes
	Total	Individually and commercially owned, registered		Tax-exempt official motor cars			Total receipts [2]	Registration motor cars [3]	
		Passenger cars, busses, and taxis	Trucks and road tractors				Thousands of dollars		
Continental U.S.	[4] 25,986,353	22,347,800	3,466,303	[4] 172,250	349,930	107,104	344,338	271,179	313,352
New England	1,704,784	1,456,426	241,307	7,051	6,287	9,129	25,330	16,727	22,075
Maine	190,066	149,467	38,771	1,828	3,053	1,259	3,184	2,471	2,696
New Hampshire	111,938	92,839	18,671	428	1,137	1,063	2,257	-------	2,056
Vermont	83,905	75,424	8,453	28	457	502	2,356	2,032	2,356
Massachusetts	841,946	736,302	103,888	1,756	650	3,068	7,000	4,018	5,419
Rhode Island	138,857	118,313	19,565	979	64	887	2,273	1,830	2,007
Connecticut	338,072	284,081	51,959	2,032	926	2,350	8,260	6,376	7,541
Middle Atlantic	4,942,763	4,225,072	683,986	33,705	21,820	31,615	89,376	71,993	78,116
New York	2,319,606	1,966,436	330,813	22,357	12,596	13,706	41,878	36,940	36,877
New Jersey	878,575	736,506	133,361	8,708	2,916	5,738	15,891	11,645	14,540
Pennsylvania	1,744,582	1,522,130	219,812	2,640	6,308	12,171	31,607	23,408	26,699
East North Central	6,202,035	5,381,624	789,672	30,739	124,108	20,328	71,123	66,443	67,771
Ohio	1,725,291	[5] 1,518,696	[5] 191,929	14,666	32,717	6,395	12,819	12,056	12,322
Indiana	871,738	732,846	129,826	9,066	19,169	2,781	6,332	5,990	5,975
Illinois	1,613,749	1,411,261	201,509	979	9,283	5,811	18,426	17,412	18,426
Michigan	1,231,351	[5] 1,078,345	[5] 152,635	371	61,932	3,236	21,821	19,593	20,123
Wisconsin	759,906	640,476	113,773	5,657	1,007	2,605	11,725	11,392	10,925
West North Central	3,575,010	3,088,009	473,260	13,741	49,476	7,710	47,874	36,371	45,475
Minnesota	721,686	611,966	108,435	1,285	18,291	1,749	10,785	10,612	10,322
Iowa	752,466	670,024	78,414	4,028	3,207	1,781	12,540	11,812	11,789
Missouri	755,058	[5] 656,830	[5] 95,975	2,253	5,469	1,672	10,140	-------	9,613
North Dakota	171,296	144,705	26,588	3	-------	229	1,799	1,791	1,726
South Dakota	194,123	169,509	23,516	1,098	4,994	294	2,808	2,747	2,728
Nebraska	417,963	356,283	59,848	1,832	15,737	897	3,742	3,599	3,628
Kansas	562,418	[5] 478,692	[5] 80,484	3,242	1,778	1,088	6,060	5,810	5,669
South Atlantic	2,492,884	2,126,934	336,250	29,700	24,783	10,816	33,907	25,249	30,498
Delaware	55,677	[5] 45,211	[5] 9,991	475	517	320	1,043	886	1,043
Maryland	327,341	289,292	36,080	1,969	1,128	1,739	3,498	2,664	2,518
Dist. Columbia	176,625	155,334	18,185	3,106	-------	990	623	193	-------
Virginia	384,095	322,594	56,633	4,868	1,582	2,288	6,159	5,896	5,731
West Virginia	255,927	213,949	39,359	2,619	1,270	1,303	4,520	4,162	4,283
North Carolina	437,166	374,162	54,575	8,429	8,118	1,245	6,165	-------	5,979
South Carolina	207,234	180,280	23,439	3,515	2,100	576	2,790	2,505	2,555
Georgia	321,774	274,576	46,264	934	3,317	1,190	4,257	4,182	4,045
Florida	327,045	271,536	51,724	3,785	6,751	1,165	4,852	4,761	4,344
East South Central	1,117,480	974,323	133,638	9,519	8,535	2,962	15,223	4,649	14,135
Kentucky	329,883	292,357	[6] 34,969	2,557	(6)	804	4,842	4,649	4,372
Tennessee	356,372	316,544	33,976	5,852	2,696	1,385	4,581	-------	4,265
Alabama	247,501	212,493	33,972	1,036	3,279	593	3,379	-------	3,241
Mississippi	183,724	[5] 152,929	[5] 30,721	74	2,560	180	2,421	-------	2,257
West South Central	2,227,440	1,879,173	344,634	3,633	43,276	6,059	27,897	20,676	26,933
Arkansas	181,120	149,456	31,275	389	3,745	365	3,496	3,420	3,496
Louisiana	263,259	215,267	47,783	209	5,670	767	4,549	4,295	4,499
Oklahoma	483,255	428,140	54,585	530	-------	1,200	5,857	-------	5,615
Texas	1,299,806	1,086,310	210,991	2,505	33,861	3,727	13,995	12,961	13,323
Mountain	945,723	802,100	135,311	8,312	11,454	2,868	9,279	7,266	8,603
Montana	128,813	[5] 103,129	[5] 24,037	1,647	59	223	1,499	1,434	1,467
Idaho	113,164	96,228	15,435	1,501	7,558	366	1,909	1,861	1,852
Wyoming	62,723	51,388	10,713	622	-------	114	728	-------	728
Colorado	308,741	276,376	32,082	283	258	962	1,911	1,808	1,747
New Mexico	82,061	65,441	15,884	736	778	218	1,248	1,208	1,149
Arizona	107,166	92,939	12,633	1,594	1,623	432	768	588	577
Utah	110,331	91,381	17,577	1,373	767	478	828	-------	738
Nevada	32,724	25,218	6,950	556	411	75	388	367	345
Pacific	2,770,375	2,414,139	328,245	27,991	60,191	15,117	24,328	21,801	19,745
Washington	427,642	360,796	60,082	6,764	3,000	3,392	7,624	7,034	6,604
Oregon [7]	280,993	255,275	22,950	2,768	2,167	1,691	6,941	6,236	6,473
California	2,061,740	1,798,068	245,213	18,459	55,024	10,034	9,763	8,531	6,668

[1] Some States do not register trailers; others include them with trucks.
[2] Includes registration fees, licenses, permits, fines, etc.; excludes gasoline taxes.
[3] Totals include only the States shown; separate data not available for 9 States.
[4] Includes 7,859 "cars at large" not allocated to any State.
[5] Busses included with trucks.
[6] Trailers included with trucks.
[7] Data cover registration year ended June 30, 1931.

Source: Bureau of Public Roads, Department of Agriculture.

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No. 387.—AUTOMOBILE FATALITIES IN ENTIRE DEATH REGISTRATION AREA IN CONTINENTAL UNITED STATES

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars

Year	Entire registration area			Registration States				
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Number of cars registered	Deaths per 100,000 cars
1911	59,183,071	1,291	2.2	54,285,189	1,150	2.2		
1912	60,359,974	1,758	2.9	55,188,437	1,563	2.8		
1913	63,200,625	2,488	3.9	58,235,115	2,241	3.8	882,911	253.8
1914	65,813,315	2,826	4.3	60,943,663	2,571	4.2	1,234,844	208.2
1915	67,095,681	3,978	5.9	61,881,753	3,589	5.8	1,775,064	202.2
1916	71,349,162	5,193	7.3	66,371,691	4,737	7.1	2,511,805	188.6
1917	74,984,498	6,724	9.0	69,646,824	6,064	8.7	3,530,268	171.8
1918	81,333,675	7,525	9.3	79,536,574	7,310	9.2	4,715,317	155.0
1919	85,166,043	7,968	9.4	83,612,508	7,771	9.3	5,922,572	131.2
1920	87,632,592	9,103	10.4	86,179,774	8,878	10.3	7,440,420	119.3
1921	89,102,434	10,168	11.4	87,592,175	9,903	11.3	8,578,536	115.4
1922	93,866,240	11,666	12.4	92,540,579	11,466	12.4	10,374,993	110.5
1923	97,816,104	14,411	14.7	96,385,407	14,157	14.7	13,359,965	106.0
1924	100,082,062	15,528	15.5	98,471,683	15,221	15.5	15,713,654	96.9
1925	102,951,999	17,571	17.1	101,111,137	17,149	17.0	17,892,640	95.8
1926	104,938,301	18,871	18.0	102,991,160	18,419	17.9	19,838,947	92.8
1927	108,177,568	21,160	19.6	106,309,646	20,704	19.5	21,084,564	98.2
1928	114,258,516	23,765	20.8	113,050,663	23,427	20.7	23,126,127	101.3
1929	116,317,515	27,066	23.3	115,097,972	26,662	23.2	25,089,696	106.3
1930	118,560,800	29,080	24.5	117,338,000	28,684	24.4	25,328,997	113.2

Year	Rural area of registration States			Cities in registration States			Cities in nonregistration States		
	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population	Population	Number of deaths	Rate per 100,000 population
1911	26,901,350	306	1.1	27,383,839	844	3.1	4,897,882	141	2.9
1912	27,144,493	442	1.6	28,043,944	1,121	4.0	5,171,537	195	3.8
1913	29,108,597	687	2.4	29,126,518	1,554	5.3	4,965,510	247	5.0
1914	30,829,210	896	2.9	30,114,453	1,675	5.6	4,869,652	255	5.2
1915	31,078,193	1,226	3.9	30,803,560	2,363	7.7	5,213,928	389	7.5
1916	34,752,780	1,684	4.8	31,618,911	3,053	9.7	4,977,471	456	9.2
1917	36,928,787	2,174	5.9	32,718,037	3,890	11.9	5,337,674	660	12.4
1918	41,844,499	2,368	5.7	37,692,075	4,942	13.1	1,797,101	215	12.0
1919	44,664,983	2,508	5.6	38,947,525	5,263	13.5	1,553,535	197	12.7
1920	44,475,250	2,757	6.2	41,704,524	6,121	14.7	1,452,818	225	15.5
1921	45,070,088	3,368	7.5	42,522,087	6,535	15.4	1,510,259	265	17.5
1922	48,575,329	4,020	8.3	43,965,250	7,446	16.9	1,325,661	200	15.1
1923	50,867,586	5,209	10.2	45,517,821	8,948	19.7	1,430,697	254	17.8
1924	52,047,381	5,668	10.9	46,424,302	9,553	20.6	1,610,379	307	19.1
1925	53,580,742	6,509	12.8	47,530,395	10,640	22.4	1,840,862	422	22.9
1926	54,389,753	7,348	13.5	48,601,407	11,071	22.8	1,947,141	452	23.2
1927	56,613,922	8,452	14.9	49,695,724	12,252	24.7	1,867,922	456	24.4
1928	61,350,563	9,997	16.3	51,700,100	13,430	26.0	1,207,853	338	28.0
1929	62,421,794	11,797	18.9	52,676,178	14,865	28.2	1,219,543	404	33.1
1930	60,565,200	12,193	20.1	56,772,800	16,491	29.0	1,222,800	396	32.4

Sources: Bureau of the Census, Department of Commerce, and Bureau of Public Roads, Department of Agriculture.

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No. 388.—AUTOMOBILE FATALITIES IN STATES AND LARGE CITIES HAVING DEATH REGISTRATION

NOTE.—Figures include all deaths from accidents caused by motor vehicles except motor cycles, but exclude deaths from collisions of automobiles with railroad trains and street cars. See Table 63 for per cent of total population included in the registration area for each year.

State	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1927	1928	1929	1930	1921–1925, avg.	1926–1930, avg.	1927	1928	1929	1930
Registration area in continental United States	**13,869**	**23,988**	**21,160**	**23,765**	**27,066**	**29,080**	**14.3**	**21.3**	**19.6**	**20.8**	**23.3**	**24.5**
Registration States [1]	13,579	23,579	20,704	23,427	26,662	28,684	14.3	21.3	19.5	20.7	23.2	24.4
Cities [1]	8,624	13,622	12,252	13,430	14,865	16,491	19.1	26.3	24.7	26.0	28.2	29.0
Rural	4,955	9,957	8,452	9,997	11,797	12,193	9.9	16.9	14.9	16.3	18.9	20.1
Cities in nonregistration States	290	409	456	338	404	396	18.8	27.4	24.4	28.0	33.1	32.4
All registration cities [1]	8,914	14,031	12,708	13,768	15,269	16,887	19.1	26.3	24.6	26.0	28.3	29.1
REGISTRATION STATES												
Alabama	[2] 252	392	361	375	445	459	[2] 10.0	15.1	14.1	14.4	17.0	17.3
Arizona	(3)	143	140	123	153	181	(3)	34.2	34.3	29.4	35.7	41.3
Arkansas	(3)	[4] 242	170	211	282	306	(3)	[4] 13.1	9.3	11.5	15.3	16.5
California	1,131	1,828	1,628	1,755	2,100	2,193	27.0	34.5	32.1	33.2	38.1	38.3
Colorado	148	232	234	221	258	271	15.2	22.8	23.2	21.7	25.1	26.1
Connecticut	260	376	327	407	433	407	17.8	24.0	26.1	26.0	27.2	25.2
Delaware	36	64	62	75	57	74	15.8	27.1	26.5	31.8	24.0	31.0
Florida	217	479	425	404	488	563	19.0	34.6	31.9	29.2	34.1	38.0
Georgia	[5] 260	[6] 519	(7)	468	527	562	[5] 9.0	[6] 17.8	(7)	16.1	18.1	19.3
Idaho	[8] 46	87	76	90	81	109	[8] 10.5	19.7	17.2	20.3	18.2	24.5
Illinois	1,051	1,645	1,512	1,743	1,685	1,945	15.3	22.1	20.6	23.4	22.3	25.4
Indiana	399	772	665	784	897	965	13.1	24.2	21.1	24.6	27.9	29.7
Iowa	[9] 241	376	284	329	404	601	[9] 9.9	15.3	11.6	13.4	16.4	24.3
Kansas	193	322	253	304	373	439	10.7	17.3	13.7	16.3	19.9	23.3
Kentucky	167	357	299	342	389	477	6.7	13.8	11.7	13.3	15.0	18.2
Louisiana	162	332	295	348	373	371	8.5	16.2	14.6	17.0	17.9	17.6
Maine	83	127	112	115	151	159	10.7	16.0	14.2	14.5	19.0	19.9
Maryland	232	363	330	343	382	449	15.3	22.7	20.8	21.4	23.6	27.4
Massachusetts	609	732	696	724	781	779	15.3	17.5	16.8	17.3	18.5	18.3
Michigan	714	1,284	1,266	1,247	1,411	1,384	17.5	27.7	28.0	26.9	29.7	28.4
Minnesota	306	439	369	435	505	561	12.5	17.3	14.7	17.2	19.8	21.8
Mississippi	96	265	243	253	284	332	5.1	13.4	12.5	12.8	14.2	16.5
Missouri	391	605	517	625	651	739	11.2	16.8	14.5	17.4	18.0	20.3
Montana	60	100	73	118	114	100	11.0	18.5	13.5	21.9	21.2	18.6
Nebraska	119	224	198	217	265	286	9.0	16.4	14.6	15.9	19.3	20.7
Nevada	(3)	[10] 40	(3)	(3)	45	34	(3)	[10] 44.2	(3)	(3)	50.0	37.4
New Hampshire	59	83	71	76	98	103	13.1	18.0	15.5	16.5	21.1	22.1
New Jersey	643	1,040	973	1,015	1,209	1,211	18.6	26.7	25.6	26.1	30.4	29.8
New Mexico	(3)	[10] 104	(3)	(3)	97	111	(3)	[10] 24.7	(3)	(3)	23.2	26.1
New York	1,889	2,628	2,384	2,554	2,977	3,048	17.0	21.5	19.9	20.9	24.0	24.1
North Carolina	254	555	503	577	611	629	9.2	18.1	16.7	18.8	19.5	19.7
North Dakota	[11] 52	78	72	79	88	79	[11] 7.8	11.6	10.7	11.7	13.0	11.6
Ohio	988	1,706	1,494	1,708	1,990	2,019	16.3	26.3	23.3	26.3	30.2	30.3
Oklahoma	(3)	[6] 433	(3)	330	487	483	(3)	[6] 18.3	(3)	14.1	20.6	20.1
Oregon	125	221	194	249	221	253	14.9	23.9	21.4	26.9	23.5	26.4
Pennsylvania	1,405	2,011	1,860	1,882	2,159	2,422	15.6	21.2	19.8	19.9	22.6	25.1
Rhode Island	104	136	131	154	146	123	16.4	20.2	19.7	22.9	21.4	17.8
South Carolina	123	288	279	251	350	370	7.2	16.7	16.2	14.5	20.2	21.3
South Dakota	(3)	[12] 112	(3)	(3)	(3)	112	(3)	[12] 16.1	(3)	(3)	(3)	16.1
Tennessee	195	409	345	382	480	526	8.0	15.9	13.6	14.9	18.5	20.1
Utah	68	109	79	123	133	130	14.5	21.9	16.1	24.7	26.4	25.5
Vermont	42	62	60	69	64	71	11.8	17.3	16.8	19.3	17.8	19.7
Virginia	198	413	376	412	457	518	8.4	13.0	15.7	17.1	18.9	21.4
Washington	236	397	365	424	441	413	16.5	26.0	24.2	27.7	28.5	26.3
West Virginia	[2] 208	305	298	283	318	395	[2] 13.0	18.1	18.0	16.8	18.6	22.8
Wisconsin	306	568	511	620	612	712	11.2	19.7	17.9	21.5	21.0	24.2
Wyoming	[8] 51	65	66	59	73	72	[8] 24.7	29.5	30.4	26.8	32.7	31.9
REGISTRATION CITIES												
Akron	39	82	75	83	90	100	18.0	34.3	32.6	35.7	35.5	39.1
Albany	28	40	36	39	35	48	23.7	32.0	29.1	31.2	27.7	37.6
Atlanta	53	76	65	71	89	87	23.5	29.2	25.5	27.2	33.4	32.0
Baltimore	130	188	171	185	198	206	17.1	23.7	21.8	23.3	24.8	25.5
Birmingham	46	63	51	63	76	70	22.3	25.6	21.4	25.6	29.9	26.8

For footnotes see following page.

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No. 388.—Automobile Fatalities in States and Large Cities Having Death Registration—Continued

City	Number of deaths						Rate per 100,000 estimated population					
	1921–1925, avg.	1926–1930, avg.	1927	1928	1929	1930	1921–1925, avg.	1926–1930, avg.	1927	1928	1929	1930
Boston	132	138	140	138	145	120	17.4	17.8	18.1	17.8	18.6	15.3
Bridgeport	25	36	25	44	39	40	17.3	24.6	17.1	30.1	26.6	27.2
Buffalo	111	156	137	151	184	175	21.0	27.8	24.7	26.9	32.4	30.5
Chicago	597	795	787	884	768	841	20.4	24.4	24.6	27.1	23.1	24.8
Cincinnati	91	135	119	132	150	167	21.8	30.5	27.2	29.8	33.5	36.9
Cleveland	189	281	250	273	312	303	22.7	31.8	28.6	30.9	34.9	33.6
Columbus	54	99	72	100	117	135	21.1	35.0	25.9	35.3	40.7	46.3
Dallas	37	64	49	66	67	78	19.2	26.2	20.8	27.0	26.4	29.7
Dayton	28	61	44	64	75	71	16.6	31.7	23.4	33.2	38.0	35.2
Denver	44	63	61	55	69	80	16.5	22.3	21.8	19.5	24.2	27.7
Des Moines	[9] 19	33	30	25	33	46	[9] 14.2	23.6	21.7	17.9	23.3	32.2
Detroit	242	388	403	360	392	384	21.0	26.8	29.1	24.8	25.8	24.2
Flint	19	44	49	42	49	50	16.2	30.1	34.9	28.7	32.2	31.6
Fort Worth	[8] 21	43	31	44	55	56	[8] 15.3	27.3	20.2	27.7	34.1	34.1
Grand Rapids	28	38	35	33	44	47	19.1	23.2	21.6	20.1	26.4	27.8
Hartford	38	46	49	51	49	37	25.9	28.8	31.2	31.9	30.2	22.5
Houston	23	77	57	71	115	101	15.5	29.6	24.5	26.2	40.6	34.2
Indianapolis	58	110	84	120	29	134	17.5	31.0	24.0	33.8	35.8	36.7
Jacksonville	25	45	50	38	53	45	24.7	35.6	40.2	30.1	41.4	34.6
Jersey City	46	56	65	48	73	55	15.1	17.9	20.9	15.3	23.1	17.3
Kansas City, Kans	17	19	20	18	14	36	15.2	15.8	16.7	15.0	11.6	29.5
Kansas City, Mo	78	92	80	96	82	118	22.3	23.8	21.1	24.8	20.8	29.4
Long Beach	22	39	28	27	57	48	25.8	30.2	23.0	20.9	41.7	33.4
Los Angeles	220	365	353	337	430	417	27.6	32.2	32.9	29.7	36.0	33.3
Louisville	53	80	81	80	86	87	18.9	26.1	26.4	26.1	28.0	28.3
Memphis	41	75	68	80	82	87	23.4	36.2	35.9	39.6	39.9	34.3
Milwaukee	73	114	121	127	112	110	14.8	20.5	22.2	22.9	19.6	19.0
Minneapolis	68	88	64	89	108	110	16.7	19.6	14.4	19.7	23.5	23.6
Nashville	29	51	46	43	64	64	23.1	34.9	32.7	30.1	41.8	41.5
New Haven	34	49	48	49	62	45	20.9	30.1	29.5	30.1	38.1	27.7
New Orleans	64	108	96	114	124	120	15.5	24.2	21.8	25.5	27.3	26.1
New York	961	1,191	1,099	1,120	1,342	1,310	15.8	17.8	16.7	16.7	19.6	18.8
Newark, N. J	94	123	122	117	126	139	27.2	28.1	28.0	26.7	28.6	31.4
Norfolk	17	27	35	25	28	24	13.3	20.4	26.1	18.9	21.4	18.5
Oakland	44	74	53	72	85	111	18.4	27.2	19.9	26.4	30.5	38.9
Oklahoma City	15	44	25	34	59	76	12.2	26.1	15.8	20.2	33.0	40.5
Omaha	30	49	49	45	60	58	15.1	23.3	23.6	21.4	28.3	27.0
Paterson	39	50	52	57	59	50	28.5	36.2	37.7	41.3	42.7	36.1
Philadelphia	262	346	324	318	381	377	14.0	17.9	16.9	16.5	19.6	19.3
Pittsburgh	146	193	215	160	197	228	23.7	29.4	32.8	24.2	29.6	34.0
Portland, Oreg	40	61	62	64	56	71	14.7	20.8	21.4	21.8	18.7	23.4
Providence	56	69	64	77	69	72	23.1	27.6	25.7	30.8	27.4	28.4
Richmond	28	49	46	52	51	59	16.0	27.1	25.6	28.7	28.0	32.2
Rochester	48	67	62	68	58	80	15.6	20.8	19.4	21.1	17.8	24.3
St. Louis	164	177	159	205	172	175	20.8	21.8	19.7	25.2	21.0	21.3
St. Paul	45	61	57	58	69	76	18.2	23.0	21.8	21.9	25.7	27.9
Salt Lake City	28	42	30	45	58	44	22.3	30.8	22.3	33.0	41.8	31.3
San Antonio	30	58	48	64	72	66	16.2	26.4	22.6	29.1	31.8	28.3
San Diego	30	57	38	63	62	77	30.3	41.6	29.0	46.0	43.3	51.5
San Francisco	107	137	166	138	119	133	19.4	22.4	27.7	22.5	19.0	20.9
Scranton	30	38	34	33	49	44	21.5	26.7	24.0	23.2	34.3	30.6
Seattle	52	85	79	90	104	83	15.6	23.8	22.4	25.2	28.7	22.6
Springfield, Mass	22	35	24	26	40	46	16.1	23.9	16.6	17.8	27.0	30.6
Syracuse	37	58	43	59	59	61	20.3	26.1	21.4	28.9	28.5	29.0
Toledo	52	96	108	85	106	107	20.1	33.9	38.6	29.9	36.8	36.7
Trenton	32	48	40	50	58	57	26.5	39.1	32.7	40.8	47.1	46.2
Tulsa	[3]	[6] 39	[3]	31	37	50	[3]	[6] 29.4	[3]	26.1	27.1	35.2
Washington, D. C	80	117	108	124	117	138	17.6	24.5	22.8	25.9	24.2	28.3
Worcester	33	40	46	35	33	53	17.8	20.8	24.1	18.2	17.0	27.1
Yonkers	16	22	25	19	27	19	14.3	17.1	19.9	14.8	20.4	14.0
Youngstown	36	63	56	63	88	64	25.7	40.8	37.6	41.6	57.4	37.5

[1] Including the District of Columbia.
[2] 1925 only.
[3] Not in registration area.
[4] Average, 1927–1930.
[5] Average, 1922–1924.
[6] Average, 1928–1930.
[7] In 1925 State registration law declared unconstitutional; readmitted in 1928.
[8] Average, 1922–1925.
[9] Average, 1923–1925.
[10] Average, 1929 and 1930.
[11] Average, 1924 and 1925.
[12] 1930 only.

Source: Bureau of the Census, Department of Commerce.

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20.—STEAM AND ELECTRIC RAILWAYS AND EXPRESS COMPANIES

[Data in this section relate to continental United States unless otherwise stated]

GENERAL NOTE.—The total steam railroad mileage of the United States includes: (*a*) Regular interstate carriers (and their nonoperating subsidiaries) reporting to the Interstate Commerce Commission, (*b*) switching and terminal railroads, also reporting to the commission; and (*c*) private railroads (defined by the commission as "circular" because they report on brief circulars and as "unofficial"). Except in certain mileage data the circular and unofficial companies are not included in any of the statistics. The switching and terminal roads were formerly included with operating railways, but are now separated, and data for them do not appear in most of the tables.

Nonoperating subsidiaries include proprietary companies, which are covered by the reports of operating carriers, and lessor companies which have no traffic and whose reports appear only in statistics of capitalization, dividends, and investment.

Operating railways are divided into three classes, according to the amount of gross operating revenue in 1919: Class I, having more than $1,000,000 of such revenue; Class II, from $100,000 to $1,000,000; and Class III, less than $100,000. During recent years more detailed reports are required from Class I carriers than from smaller companies. The basis of the figures in each table is indicated by notes. Omission of Class II and Class III railroads affects very little the comparability of statistics with those of earlier years as regards most items, since the bulk of the business is done by Class I.

The Interstate Commerce Commission divides railroads geographically into three districts and eight subsidiary regions. Each railroad is treated as a unit and placed wholly in some one district or region. Broadly speaking, the eastern district includes territory east of Chicago and north of the Ohio and Potomac Rivers; southern district, territory east of the Mississippi River and south of the Ohio and Potomac Rivers; and western district the remainder of the country.

Class I companies make monthly reports and the yearly totals from these become available earlier than the sometimes slightly corrected totals from the final annual reports. The latest figures in these tables are in many cases from the monthly reports.

No. 389.—RAILWAY MILEAGE OWNED AND MILEAGE OPERATED CLASSIFIED BY TRACKAGE

NOTE.—Beginning with 1908 switching and terminal roads are omitted (they operate about 2,000 miles of first main track). The first and second columns cover all railways including "circular" and "unofficial" lines; the last five columns omit "circular" and "unofficial" lines. Mileage owned excludes all duplication and covers continental United States only. Mileage operated includes some duplication under trackage rights and some mileage in Canada operated by United States companies

Year	Miles of road (first track) owned	Miles operated					
		All railways: Road (first track)	Reporting railways				Class I railways: Road (first track)
			Road (first track)	Other main tracks	Yard track and sidings	Total track	
June 30, 1890	163,597	167,191	156,404	9,760	33,711	199,875	----------
1895	180,657	184,628	177,746	12,348	43,181	233,275	----------
1900	193,346	198,964	192,556	14,075	52,153	258,784	----------
1905	218,101	225,196	216,974	19,881	69,942	306,797	----------
1910	240,293	249,992	240,831	25,354	85,582	351,767	----------
1911	243,979	254,732	246,238	27,612	88,974	362,824	216,877
1912	246,777	258,033	249,852	29,367	92,019	371,238	220,063
1913	249,777	261,036	253,470	30,827	95,211	379,508	224,236
1914	252,105	263,547	256,547	32,376	98,285	387,208	226,999
1915	253,789	264,378	257,569	33,662	99,910	391,141	228,989
Dec. 31, 1916	254,037	266,381	259,705	34,325	102,984	397,014	231,674
1917	253,626	266,015	259,705	35,066	105,582	400,353	232,697
1918	253,529	264,233	258,507	36,228	107,608	402,343	233,145
1919	253,152	263,707	258,525	36,730	108,637	403,892	234,363
1920	252,845	263,821	259,941	36,894	109,744	406,579	235,234
1921	251,176	262,544	258,362	37,614	111,555	407,531	234,702
1922	250,413	261,984	257,425	37,888	114,046	409,359	234,976
1923	250,222	262,482	258,084	38,697	116,212	412,993	235,574
1924	250,156	262,158	258,238	39,916	116,874	415,028	235,894
1925	249,398	261,871	258,631	40,962	118,361	417,954	236,849
1926	249,138	261,562	258,815	41,686	120,840	421,341	237,054
1927	249,131	262,091	259,639	42,071	123,027	424,737	238,634
1928	249,309	262,713	260,546	42,432	124,772	427,750	240,747
1929	249,433	262,546	260,570	42,711	125,774	429,055	242,015
1930	249,052	262,215	260,440	42,742	126,701	429,883	242,391

Source: Interstate Commerce Commission.

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No. 390.—RAILWAY MILEAGE OWNED: BY STATES

NOTE.—See headnote to Table 389. The data are for the actual length of line in each State without duplication. Figures relate to June 30 prior to 1920 and Dec. 31 thereafter; they include reporting, circular, and unofficial railways, but since 1908 exclude switching and terminal roads

State	1860 [1]	1870 [1]	1880 [1]	1890	1900	1910 [2]	1920	1925	1929	1930
United States [3]	30,626	52,922	93,267	163,597	193,346	240,439	252,845	249,398	249,433	249,052
New England	3,660	4,494	5,982	6,718	7,521	7,921	7,942	7,754	7,600	7,596
Maine	472	786	1,005	1,338	1,915	2,248	2,295	2,228	2,197	2,193
New Hampshire	661	736	1,015	1,145	1,239	1,246	1,252	1,234	1,166	1,165
Vermont	554	614	914	921	1,012	1,100	1,077	1,057	1,057	1,056
Massachusetts	1,264	1,480	1,915	2,094	2,119	2,115	2,106	2,071	2,016	2,022
Rhode Island	108	136	210	213	212	212	211	196	196	191
Connecticut	601	742	923	1,007	1,024	1,000	1,001	968	968	969
Middle Atlantic	5,840	9,709	13,832	18,161	20,709	21,980	22,293	22,003	21,782	21,752
New York	2,682	3,928	5,957	7,661	8,121	8,430	8,390	8,373	8,331	8,312
New Jersey	560	1,125	1,684	2,047	2,257	2,260	2,352	2,292	2,297	2,299
Pennsylvania	2,598	4,656	6,191	8,453	10,331	11,290	11,551	11,338	11,154	11,141
South Atlantic	5,976	7,349	9,789	18,270	23,362	29,795	32,380	31,935	31,727	31,644
Delaware	127	197	275	323	347	335	335	332	325	325
District of Columbia	[4]	[4]	[4]	30	32	36	36	37	36	36
Maryland	386	671	1,040	1,231	1,376	1,426	1,436	1,447	1,439	1,443
Virginia	1,379	1,486	1,893	3,160	3,779	4,535	4,703	4,554	4,505	4,516
West Virginia	352	387	691	1,328	2,228	3,601	3,996	4,038	4,006	4,046
North Carolina	937	1,178	1,486	3,001	3,831	4,932	5,522	5,347	5,189	5,161
South Carolina	973	1,139	1,427	2,194	2,818	3,442	3,814	3,748	3,779	3,780
Georgia	1,420	1,845	2,459	4,532	5,652	7,056	7,326	6,980	6,762	6,671
Florida	402	446	518	2,471	3,299	4,432	5,212	5,452	5,686	5,666
East North Central	9,583	14,701	25,109	36,924	41,007	44,928	44,804	43,843	43,914	43,770
Ohio	2,946	3,538	5,792	7,912	8,807	9,134	9,002	8,812	8,810	8,804
Indiana	2,163	3,177	4,373	5,971	6,471	7,420	7,426	7,187	7,105	7,106
Illinois	2,790	4,823	7,851	10,214	11,003	11,878	12,188	11,994	12,511	12,500
Michigan	779	1,638	3,938	7,243	8,195	9,021	8,734	8,349	8,155	8,072
Wisconsin	905	1,525	3,155	5,584	6,531	7,475	7,554	7,501	7,333	7,288
West North Central	1,472	8,046	19,094	38,354	42,988	49,730	52,180	51,856	51,544	51,400
Minnesota		1,092	3,151	5,466	6,943	8,669	9,114	8,787	8,816	8,779
Iowa	655	2,683	5,400	8,356	9,185	9,755	9,808	9,814	9,709	9,698
Missouri	817	2,000	3,965	6,004	6,875	8,083	8,117	8,051	7,940	7,897
North Dakota		[5] 65	[5] 1,225	1,941	2,731	4,201	5,311	5,277	5,276	5,275
South Dakota		[6]	[6]	2,486	2,850	3,948	4,276	4,245	4,287	4,238
Nebraska		705	1,953	5,295	5,685	6,067	6,166	6,189	6,174	6,174
Kansas		1,501	3,400	8,806	8,719	9,007	9,388	9,493	9,342	9,339
South Central	3,392	4,656	6,343	11,144	13,343	17,074	17,754	17,492	17,537	17,452
Kentucky	534	1,017	1,530	2,746	3,060	3,526	3,929	4,005	4,033	4,054
Tennessee	1,253	1,492	1,843	2,752	3,137	3,816	4,078	4,063	3,962	3,940
Alabama	743	1,157	1,843	3,314	4,226	5,226	5,378	5,254	5,258	5,249
Mississippi	862	990	1,127	2,332	2,920	4,506	4,369	4,170	4,284	4,209
West South Central	680	1,417	5,044	13,782	18,221	31,122	32,972	32,588	33,145	33,227
Louisiana	335	450	652	1,759	2,824	5,554	5,223	4,868	4,763	4,654
Texas	307	711	3,244	8,613	9,886	14,282	16,125	16,198	16,891	17,069
Oklahoma			289	1,214	2,151	5,980	6,572	6,621	6,682	6,678
Arkansas	38	256	859	2,196	3,360	5,306	5,052	4,901	4,809	4,826
Mountain		1,466	5,082	12,676	15,808	22,956	25,170	24,723	24,866	24,973
Montana			106	2,181	3,010	4,207	5,072	5,037	5,231	5,228
Wyoming		459	512	942	1,229	1,645	1,931	1,992	2,043	2,036
Colorado		157	1,570	4,176	4,587	5,533	5,519	5,077	4,967	4,972
New Mexico			758	1,324	1,753	3,032	2,972	2,998	2,875	2,973
Arizona			349	1,097	1,512	2,097	2,478	2,378	2,494	2,494
Utah		257	842	1,090	1,547	1,986	2,161	2,189	2,194	2,196
Nevada		593	739	925	909	2,277	2,160	2,137	2,123	2,109
Idaho			206	941	1,261	2,179	2,877	2,915	2,939	2,965
Pacific	23	1,084	2,992	7,567	10,389	14,932	17,248	17,204	17,318	17,238
Washington			289	1,783	2,914	4,875	5,587	5,559	5,539	5,542
Oregon		159	508	1,428	1,724	2,285	3,305	3,357	3,487	3,456
California	23	925	2,195	4,353	5,751	7,772	8,356	8,288	8,292	8,240
Alaska Territory					22	390	246	801	790	790
Hawaii Territory						175	243	252	231	232

[1] Represents mileage operated.
[2] Revised total 240,293 not distributed by States.
[3] Totals exclude Alaska and Hawaii.
[4] Included in returns for Maryland.
[5] Figures for Dakota.
[6] For total Dakota see North Dakota.

Source: Interstate Commerce Commission.

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No. 391.—RAILWAY MILEAGE OWNED AND OPERATED

NOTE.—See note to Table 389. Since 1890 the columns correspond to the first and third columns of that table. The exact basis of the data prior to 1890 is not stated. For years 1842 to 1889 and 1916 to date data relate to Dec. 31; for years 1890 to 1915 data relate to June 30

Year	Owned	Operated	Year	Owned	Operated	Year	Owned	Operated
1842		4,026	1889		161,276	1910	240,293	240,831
1850		9,021	1890	163,597	156,404	1911	243,979	246,238
1855		18,374	1891	168,403	161,275	1912	246,777	249,852
1860		30,626	1892	171,564	162,397	1913	249,777	253,470
1865		35,085	1893	176,461	169,780	1914	252,105	256,547
1870		52,922	1894	178,709	175,691	1915	253,789	257,569
1874		72,385	1895	180,657	177,746	1916	254,037	259,705
1875		74,096	1896	182,777	181,983	1917	253,626	259,705
1876		76,808	1897	184,428	183,284	1918	253,529	258,507
1877		79,082	1898	186,396	184,648	1919	253,152	258,525
1878		81,747	1899	189,295	187,535	1920	252,845	259,941
1879		86,556	1900	193,346	192,556	1921	251,176	258,362
1880		93,262	1901	197,237	195,562	1922	250,413	257,425
1881		103,108	1902	202,472	200,155	1923	250,222	258,084
1882		114,677	1903	207,977	205,314	1924	250,156	258,238
1883		121,422	1904	213,904	212,243	1925	249,398	258,631
1884		125,345	1905	218,101	216,974	1926	249,138	258,815
1885		128,320	1906	224,363	222,340	1927	249,131	259,639
1886		136,338	1907	229,951	227,455	1928	249,309	260,546
1887		149,214	1908	233,468	230,494	1929	249,433	260,570
1888		156,114	1909	236,834	235,402	1930	249,052	260,440

Source: Poor's Manual of Railroads prior to 1890; Interstate Commerce Commission thereafter.

No. 392.—MILEAGE OPERATED AND EQUIPMENT: CLASS I CARRIERS

NOTE.—Mileage operated includes some duplication due to trackage rights and some mileage in Canada operated by United States companies. For car equipment in detail see Table 396

Year ended Dec. 31	Mileage operated				Locomotives			Aggregate capacity of freight cars (1,000 tons)
	Road (first track)	Other main tracks	Yard track and sidings	Total track	Number, steam and electric	Tractive power, steam only		
						Aggregate (1,000 lbs.)	Average (lbs.)	
Total:								
1916	231,674	34,129	98,334	364,137	61,332	2,024,119	33,188	92,280
1920	235,234	36,737	105,408	377,379	64,746	2,340,761	36,365	98,343
1921	234,702	37,454	107,098	379,254	64,949	2,385,470	36,935	98,504
1922	234,976	37,704	109,463	382,143	64,512	2,401,452	37,441	98,847
1923	235,574	38,573	111,708	385,855	65,327	2,544,115	39,177	101,318
1924	235,894	39,735	112,253	387,882	65,358	2,593,178	39,891	104,149
1925	236,849	40,817	113,873	391,539	63,974	2,586,868	40,666	105,570
1926	237,054	41,537	116,353	394,944	62,761	2,611,238	41,886	105,953
1927	238,634	41,926	118,654	399,214	61,344	2,606,171	42,798	105,846
1928	240,747	42,255	120,479	403,481	59,441	2,579,643	43,838	105,322
1929	242,015	42,556	121,882	406,453	57,527	2,550,813	44,801	105,411
1930	242,391	[1] 42,584	123,024	407,999	56,493	2,526,940	45,225	106,180
Eastern district:								
1916	59,175	20,879	40,056	120,110	28,179	958,339	34,333	47,185
1920	59,513	21,734	42,387	123,634	29,478	1,102,551	37,762	49,543
1925	59,249	22,882	45,054	127,185	28,409	1,193,573	42,408	51,449
1927	59,135	23,264	45,869	128,268	26,915	1,181,792	44,475	51,597
1928	59,450	23,354	46,184	128,988	25,919	1,159,102	45,425	51,087
1929	60,362	23,448	46,677	130,487	24,921	1,141,547	46,563	50,998
1930	60,014	23,131	46,552	129,697	24,247	1,108,965	46,531	50,618
Southern district:								
1916	42,753	3,940	15,695	62,388	9,754	323,023	33,165	15,633
1920	43,799	4,436	17,080	65,315	10,740	392,332	36,625	16,980
1925	44,241	5,707	19,199	69,147	11,158	457,579	41,112	18,968
1927	45,416	6,075	20,815	72,306	11,229	483,124	43,155	19,424
1928	45,760	6,122	21,241	73,123	11,126	485,761	43,944	19,389
1929	45,758	6,149	21,387	73,294	10,808	478,826	44,600	19,177
1930	46,087	6,377	21,882	74,346	10,717	483,145	45,404	19,871
Western district:								
1916	129,746	9,310	42,583	181,639	23,399	742,757	31,827	29,463
1920	131,922	10,567	45,941	188,430	24,528	845,878	34,584	31,820
1925	133,359	12,228	49,620	195,207	24,407	935,716	38,448	35,153
1927	134,083	12,587	51,970	198,640	23,200	941,255	40,698	34,825
1928	135,537	12,779	53,054	201,370	22,396	934,780	41,967	34,846
1929	135,895	12,959	53,818	202,672	21,808	930,440	42,909	35,236
1930	136,290	13,076	54,590	203,956	21,529	934,830	43,682	35,691

[1] Includes second track, 36,755 miles; third track, 3,239 miles; fourth and other, 2,590 miles.

Source: Interstate Commerce Commission.

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No. 393.—MILEAGE OF ROAD AND TRACKS OPERATED: CLASS I CARRIERS, BY DISTRICTS

NOTE.—Figures include some mileage in Canada operated by United States companies as follows: 1916, 2,097 miles; 1920, 1,949 miles; 1925, 3,087 miles; 1929, 2,893 miles; 1930, 2,898 miles consisting of 1,716 miles of road, 501 miles of second main track, 70 miles of industrial tracks, and 611 miles of yard track and sidings. Figures also include some industrial tracks as follows: 1925, 20,407 miles; 1929, 21,703 miles; 1930, 21,694 miles.

District and year ended Dec. 31	Total, all tracks	Road (first main track)	Second main track	Third main track	Fourth and other main tracks	Yard track and sidings	Electrified mileage			
							Total track	Road (first main track)	Other main tracks	Yard track and sidings
All districts:										
1916	364,137	231,674	29,223	2,716	2,190	98,334	[1]	[1]	[1]	[1]
1920	377,379	235,234	31,512	2,936	2,289	105,408	3,132	1,449	900	783
1925	391,539	236,848	35,200	3,111	2,506	113,874	[2] 3,598	[2] 1,674	972	952
1929	406,453	242,015	36,721	3,207	2,628	121,882	4,914	2,382	1,250	1,282
1930	407,999	242,391	36,755	3,239	2,590	123,024	5,098	2,381	1,432	1,285
Eastern district:										
1916	120,110	59,175	16,666	2,408	1,805	40,056	[1]	[1]	[1]	[1]
1929	130,487	60,362	18,621	2,743	2,084	46,677	2,842	1,088	987	767
1930	129,697	60,014	18,335	2,762	2,034	46,552	3,173	1,233	1,169	771
Southern district:										
1916	62,389	42,753	3,725	43	173	15,695	[1]	[1]	[1]	[1]
1929	73,294	45,758	5,696	127	326	21,387	657	270	181	206
1930	74,346	46,087	5,904	144	329	21,882	657	270	182	205
Western district:										
1916	181,638	129,746	8,832	265	212	42,583	[1]	[1]	[1]	[1]
1929	202,672	135,895	12,404	337	218	53,818	1,415	1,024	82	309
1930	203,956	136,290	12,516	333	227	54,590	1,268	878	81	309

[1] Data not available.
[2] Does not include 43 miles of electric street railways operated by Boston & Maine R. R.

No. 394.—RAILWAY EQUIPMENT INSTALLED AND RETIRED FROM SERVICE: CLASS I CARRIERS

NOTE.—"Installed" includes new and used equipment purchased; equipment leased from others; the return to service of equipment that was leased to others; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another. "Retired" includes equipment permanently withdrawn from transportation service; equipment leased to others; the return of leased equipment to the owning companies; equipment rebuilt or converted; and units (except locomotives) transferred from one class of service to another

Year ended—	Locomotives		Freight-train cars		Passenger-train cars	
	Number installed	Number retired	Number installed	Number retired	Number installed	Number retired
June 30, 1908	3,227	1,140	171,556	70,976	2,183	1,630
1909	1,549	1,333	67,925	83,223	1,786	1,591
1910	3,073	1,452	134,593	75,652	3,505	1,914
1911	3,694	1,468	125,532	68,031	4,250	1,701
1912	2,861	1,858	97,972	69,876	3,060	1,387
1913	4,381	2,338	162,670	96,825	2,823	1,842
1914	3,245	1,862	150,813	96,985	3,629	1,854
1915	1,114	1,507	86,012	90,347	2,664	1,385
1916	1,475	2,576	88,254	109,996	1,261	2,156
Dec. 31, 1917	2,148	1,423	117,210	62,253	2,535	1,671
1918	2,803	977	65,249	56,024	1,817	1,051
1919	2,062	999	76,019	43,274	435	670
1920	1,017	1,254	36,044	75,197	621	885
1921	1,330	1,130	63,406	69,245	1,681	929
1922	1,226	1,682	105,394	126,471	1,328	1,286
1923	4,360	3,746	232,060	213,789	2,658	2,360
1924	2,786	2,529	156,572	118,590	2,755	2,295
1925	1,600	2,873	139,083	128,573	3,230	3,569
1926	1,882	3,105	93,369	103,152	3,455	3,309
1927	1,542	2,976	73,254	96,991	2,646	3,612
1928	1,017	3,047	62,945	90,707	2,524	3,252
1929	1,229	3,134	94,946	115,869	2,663	3,499
1930	1,160	2,204	81,038	82,101	1,900	2,036

Source of Tables 393 and 394: Interstate Commerce Commission.

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No. 395.—RAILWAY EQUIPMENT IN SERVICE, ALL REPORTING COMPANIES

NOTE.—"All reporting companies" include switching and terminal but not circular and unofficial lines. Data for tractive power and capacity of cars exclude switching roads beginning with 1910 and smaller roads during recent years; they would not be materially different if all carriers were included. The large number of cars owned by private car lines is not included

Year	Locomotives					Freight-train cars [1]			Passenger-train cars
	Total number	Steam			Electric, number	Total number	Capacity		
		Number	Tractive power				Aggregate (1,000 tons)	Average (tons)	
			Aggregate (1,000 lbs.)	Average (lbs.)					
June 30, 1890	30,140	-------	-------	-------	------	918,491	-------	-------	26,820
1900	37,663	-------	-------	-------	------	1,365,531	-------	-------	34,713
1905	48,357	-------	1,128,771	23,666	------	1,731,409	53,255	30.8	40,713
1910	60,019	-------	1,588,894	27,282	------	2,148,478	76,579	35.9	47,179
1915	66,502	66,229	[2] 2,014,201	[2] 31,546	273	2,341,567	[3] 92,238	[3] 39.6	55,810
Dec. 31, 1916	65,595	65,253	[2] 2,066,166	[2] 32,890	342	2,329,475	[3] 94,441	[3] 40.8	55,193
1917	66,070	65,699	[4] 2,087,950	[4] 33,932	371	2,379,472	[4] 95,467	[4] 41.5	55,939
1918	67,936	67,563	[4] 2,223,246	[4] 34,995	373	2,397,943	[4] 96,767	[4] 41.6	56,611
1919	68,977	68,592	[4] 2,312,634	[4] 35,789	385	2,426,889	[4] 99,001	[4] 41.9	56,290
1920	68,942	68,554	[4] 2,340,761	[4] 36,365	388	2,388,424	[4] 98,343	[4] 42.4	56,102
1921	69,122	68,733	[4] 2,385,470	[4] 36,935	389	2,378,510	[4] 98,504	[4] 42.5	56,950
1922	68,518	68,121	[4] 2,401,452	[4] 37,441	397	2,352,483	[4] 98,847	[4] 43.1	56,827
1923	69,414	69,005	[4] 2,544,115	[4] 39,177	409	2,379,131	[4] 101,318	[4] 43.8	57,159
1924	69,486	69,114	[4] 2,593,178	[4] 39,891	372	2,411,627	[4] 104,149	[4] 44.3	57,451
1925	68,092	67,713	[4] 2,586,868	[4] 40,666	379	2,414,083	[4] 105,570	[4] 44.8	56,814
1926	66,816	66,381	[4] 2,611,238	[4] 41,886	435	2,403,967	[4] 105,953	[4] 45.1	56,855
1927	65,348	64,843	[4] 2,606,171	[4] 42,798	467	2,378,800	[4] 105,846	[4] 45.5	55,729
1928	63,311	62,642	[4] 2,579,643	[4] 43,838	617	2,346,751	[4] 105,322	[4] 45.8	54,800
1929	61,257	60,572	[4] 2,550,813	[4] 44,801	621	2,323,683	[4] 105,411	[4] 46.3	53,838
1930	60,189	59,406	[4] 2,526,940	[4] 45,225	663	2,322,267	[4] 106,180	[4] 46.6	53,584

[1] Excludes caboose cars.
[2] Class I, Class II, and Class III roads.
[3] Class I and Class II roads.
[4] Class I roads.

No. 396.—CLASSIFICATION OF RAILWAY CARS IN SERVICE

NOTE.—Data for 1910 and 1915 relate to June 30, thereafter to Dec. 31. Figures for "All operating companies" include switching and terminal companies but not circular and unofficial lines. Cars owned by private car lines, roughly equaling one-tenth of those owned by railway companies, are not included

	All operating companies					Class I, 1930			
	1910	1915	1920	1925	1930	Total	Eastern district	Southern district	Western district
Freight cars [1]	2,148,478	2,341,567	2,388,424	2,414,083	2,322,267	2,276,793	1,028,086	428,157	820,550
Box	966,603	1,041,695	1,056,514	1,086,562	1,064,652	1,059,604	450,056	172,935	436,613
Flat	153,958	146,343	117,604	113,562	108,181	99,097	20,753	20,230	58,114
Stock	78,811	86,326	81,678	87,452	84,460	84,007	13,813	7,561	62,678
Coal	818,731	910,637	968,034	979,483	930,624	908,245	519,065	214,456	174,724
Tank	7,434	10,165	11,130	12,151	10,981	9,515	27	20	9,468
Refrigerator	30,918	52,446	60,768	49,488	41,006	40,358	3,767	5,098	31,493
Other	78,666	93,955	92,696	85,385	82,363	75,967	20,605	7,902	47,460
Steel [2]	(3)	501,309	630,150	757,065	854,864	854,864	557,228	163,233	134,403
Steel underframe [2]	(3)	676,176	886,296	1,056,125	1,118,257	1,118,257	432,183	198,350	487,724
Caboose cars	27,224	28,965	29,575	31,325	29,779	28,874	11,839	5,652	11,383
Passenger-train cars	[4] 47,179	55,810	56,102	56,814	53,584	52,130	26,084	7,854	18,192
Coaches	25,881	30,135	29,343	28,744	25,178	24,502	13,191	3,578	7,733
Combination	5,697	8,847	8,570	8,624	8,252	7,611	3,180	1,307	3,124
Emigrant	97	50	11	7	-------	-------	-------	-------	-------
Parlor	634	651	574	502	507	501	89	79	333
Sleeping	490	750	558	377	223	221	8	7	206
Baggage and express	[5] 11,524	9,938	12,101	13,174	12,981	12,892	6,572	1,801	4,519
Postal	(3)	1,566	1,243	1,092	954	947	360	185	402
Other	2,752	3,873	3,702	4,294	5,489	5,456	2,684	897	1,875
Steel [2]	(3)	10,859	15,111	21,190	29,041	29,041	16,426	3,656	8,959
Steel underframe [2]	(3)	5,160	6,573	9,369	10,376	10,376	5,470	1,682	3,224
Company service equipment	80,891	98,752	108,485	112,592	109,527	106,222	34,940	17,832	53,450
Motor cars and trailers [2]	(3)	(3)	(3)	2,469	5,594	5,594	4,247	424	923

[1] Excludes caboose cars; total for 1910 includes 13,357 unclassified cars.
[2] Data represent Class I roads only.
[3] Data not available.
[4] Includes 104 unclassified cars.
[5] Postal cars included with baggage and express.

Source of Tables 395 and 396: Interstate Commerce Commission.

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No. 397.—FREIGHT-CAR PERFORMANCE AND EQUIPMENT CONDITION

NOTE.—Data relate to Class I carriers. Yearly averages for 1920 to 1926 are as follows: Freight-car miles per car-day, 1920, 25.1; 1921, 22.4; 1922, 23.5; 1923, 27.8; 1924, 26.8; 1925, 28.5; 1926, 30.4; percentage of unserviceable freight cars, 1920, 7.0; 1921, 13.1; 1922, 12.8; 1923, 8.0; 1924, 7.8; 1925, 7.7; 1926, 6.5; percentage of unserviceable locomotives, 1920, 24.5; 1921, 23.7; 1922, 24.9; 1923, 21.4; 1924, 18.7; 1925, 17.8; 1926, 16.6.

Month	Freight-car miles per car day					Percentage of unserviceable freight cars					Percentage of unserviceable locomotives (freight and passenger)				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
Yearly average	**30.3**	**31.2**	**32.3**	**28.7**	**28.7**	**5.9**	**6.2**	**6.0**	**6.2**	**7.9**	**16.2**	**16.3**	**16.3**	**17.4**	**20.6**
January	28.5	27.6	29.5	28.2	28.2	5.6	5.8	6.0	5.4	6.7	16.6	16.0	16.8	16.8	19.4
February	30.4	29.8	32.3	30.0	30.0	5.7	5.9	6.2	5.5	6.9	16.8	16.6	16.9	17.3	19.7
March	30.9	30.9	32.3	28.9	28.9	5.6	6.0	6.2	5.5	7.2	17.0	16.6	17.0	17.2	20.1
April	29.5	29.9	32.0	29.6	29.6	5.6	6.2	6.2	5.7	7.4	16.9	16.7	16.9	17.2	20.0
May	30.2	31.1	32.9	29.4	29.4	5.9	6.5	6.3	5.9	7.6	16.6	16.5	16.2	16.9	20.4
June	30.0	30.3	32.4	28.3	28.3	6.1	6.3	6.2	6.1	7.8	16.4	16.1	15.9	17.0	20.2
July	29.1	30.3	32.0	28.2	28.2	6.2	6.4	6.3	6.3	8.1	15.8	16.1	15.8	17.0	20.1
August	30.9	32.1	33.5	28.9	28.9	6.2	6.5	6.0	6.5	8.3	15.8	16.1	15.8	17.1	20.8
September	32.6	33.8	34.2	29.9	29.9	6.0	6.5	6.0	6.9	8.6	15.3	16.0	15.9	17.5	21.3
October	34.7	36.2	36.3	31.5	31.5	5.9	6.2	5.7	6.9	8.8	15.5	16.2	16.0	17.8	21.7
November	30.2	33.2	32.4	27.5	27.5	5.9	6.1	5.6	7.0	8.9	16.7	16.6	16.4	18.6	22.3
December	26.9	29.5	28.2	23.7	23.7	5.8	5.9	5.4	6.7	8.8	15.6	16.4	16.2	18.6	22.2

Source: Bureau of Railway Economics.

No. 398.—RECEIVERSHIPS OF RAILWAYS

Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership			Year (calendar, except as noted)	Under receivership end of year [1]		Placed under receivership		
	Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)		Number	Mileage operated	Number	Miles	Stocks and bonds (1,000 dollars)
1881			5	110	3,742	1908	52	9,529	24	8,009	596,359
1882			12	912	39,074	1909	44	10,530	5	859	78,095
1883			11	1,990	108,470	1910	39	5,257	7	735	51,428
1884			37	11,038	714,755						
1885			44	8,836	385,460	1911	39	4,593	5	2,606	210,607
						1912	44	9,786	13	3,784	182,112
1886			13	1,799	70,346	1913	49	16,286	17	9,020	477,781
1887			9	1,046	90,318	1914	68	18,608	22	4,222	199,571
1888			22	3,270	186,814	1915	85	30,223	12	20,143	1,070,809
1889			22	3,803	99,664						
1890			26	2,963	105,007	1916	80	34,804	9	4,439	208,160
						1917	82	17,376	19	2,486	61,170
1891			26	2,159	84,479	1918	74	19,208	8	3,519	242,091
1892			36	10,508	357,692	1919	65	16,590	7	244	11,887
1893			74	29,340	1,781,046	1920	61	16,290	10	541	21,620
1894	192	40,819	38	7,025	395,791						
1895	169	37,856	31	4,089	369,075	1921	68	13,512	14	1,744	63,872
						1922	64	15,259	12	4,330	329,115
1896	151	30,475	34	5,441	275,597	1923	64	12,623	10	2,218	87,914
1897	128	18,862	18	1,537	92,909	1924	61	8,105	11	920	30,223
1898	94	12,745	18	2,069	138,701	1925	53	18,687	6	11,368	680,422
1899	71	9,853	10	1,019	52,285						
1900	52	4,178	16	1,165	78,234	1926	45	17,632	6	88	2,821
						1927	40	16,752	6	924	45,237
1901	45	2,497	4	73	1,627	1928	33	5,256	1	19	529
1902	27	1,475	5	278	5,835	1929	29	5,703	3	634	30,981
1903	27	1,185	9	229	18,823	1930	30	9,486	4	4,752	277,324
1904	28	1,323	8	744	36,069						
1905	26	796	10	3,593	176,321	1931	(2)	(2)	19	5,195	432,152
1906	34	3,971	6	204	55,042						
1907	29	3,926	7	317	13,585						

[1] Data relate to June 30 prior to 1916, Dec. 31 thereafter. [2] Data not available.

Sources: First two columns, Interstate Commerce Commission; others, The Railway Age, Chicago.

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No. 399.—EMPLOYEES OF RAILWAYS: NUMBER AND COMPENSATION[1]

Year ended—	All operating carriers: Average number of employees	All operating carriers: Total yearly compensation (1,000 dollars)	All operating carriers: Average compensation: Per hour[2]	All operating carriers: Average compensation: Per year
June 30:				
1890	749,301			
1895	785,034	445,508		$568
1900	1,017,653	577,265		567
1901	1,071,169	610,714		570
1902	1,189,315	676,029		568
1903	1,312,537	757,321		577
1904	1,296,121	817,599		631
1905	1,382,196	839,945		608
1906	1,521,355	900,802		592
1907	1,672,074	1,072,386		641
June 30:				
1908	1,436,275	1,035,438		$721
1909	1,502,823	988,324		658
1910	1,699,420	1,143,725		673
1911	1,669,809	1,208,466		724
1912	1,716,380	1,252,348		730
1913	1,815,239	1,373,831		757
1914	1,710,296	1,381,117		808
1916	1,654,075	1,403,968	$0.266	849
Dec. 31:				
1916	1,700,814	1,506,961	.275	886

Year ended Dec. 31—	All operating carriers: Average number of employees	Class I carriers: Average number of employees	Class I carriers: Total hours (thousands)	Class I carriers: Total yearly compensation (1,000 dollars)	Class I carriers: Average hours per employee	Class I carriers: Average compensation: Per hour[3]	Class I carriers: Average compensation: Per year
1916	1,700,814	1,647,097	5,189,791	1,468,576	3,150.9	$0.283	$892
1917	1,785,893	1,732,876	5,437,977	1,739,482	3,138.1	.320	1,004
1918[3]	1,891,517	1,841,575	5,701,417	2,613,813	3,095.9	.458	1,419
1919[3]	1,960,439	1,913,422	5,032,493	2,843,128	2,630.1	.565	1,486
1920	2,075,886	2,022,832	5,446,741	3,681,801	2,692.6	.676	1,820
1921	1,705,308	1,659,513	4,147,319	2,765,218	2,499.1	.667	1,666
1922	1,669,640	1,626,834	4,311,097	2,640,817	2,650.0	.613	1,623
1923	1,902,222	1,857,674	4,928,651	3,004,072	2,653.1	.610	1,617
1924	1,795,493	1,751,362	4,534,879	2,825,775	2,589.3	.623	1,613
1925	1,786,411	1,744,311	4,531,361	2,860,600	2,597.8	.631	1,640
1926	1,821,804	1,779,275	4,671,736	2,946,114	2,625.6	.631	1,656
1927	1,775,549	1,735,105	4,519,281	2,910,183	2,604.6	.644	1,677
1928	1,691,950	1,656,411	4,313,574	2,826,590	2,604.2	.655	1,706
1929	1,694,042	1,660,850	4,346,822	2,896,566	2,617.2	.666	1,744
1930	1,517,043	1,487,839	3,759,772	2,550,789	2,527.0	.678	1,714
1931	[4] 1,285,505	1,260,758	3,039,656	2,095,006	2,411.0	.689	1,662

[1] Data exclude switching and terminal companies beginning 1910. Class III roads are excluded in 1913. Exclusion of the latter has practically no effect on the comparability of the figures. Information for 1915 is incomplete, as 20 of the larger railways did not report, and is not shown.

[2] Calculated for all classes of employees, including those not paid on an hourly basis.

[3] Data cover Federal reports, reports of companies not under Federal control, and corporate reports.

[4] Estimated from data for Class I roads.

Source: Interstate Commerce Commission.

No. 400.—EMPLOYEES AND THEIR COMPENSATION: CLASS I CARRIERS

NOTE.—Data relate to years ended Dec. 31. Class I switching and terminal companies are included. Average compensation in fifth and sixth columns is per day where so indicated in the footnote or stub. Data shown for principal occupations only. Data for occupations not shown included in group totals

Occupation	Average number of employees: 1930	Average number of employees: 1931	Total compensation (1,000 dollars): 1930	Total compensation (1,000 dollars): 1931	Average per hour, straight time (dollars): 1930	Average per hour, straight time (dollars): 1931	Average per month, total compensation (dollars): 1930	Average per month, total compensation (dollars): 1931
All employees, all districts	**1,510,688**	**1,278,175**	**2,590,275**	**2,127,181**				
Daily basis	*119,422*	*108,798*	*331,379*	*299,382*	*8.55*	*8.57*	*231*	*229*
Hourly basis	*1,391,266*	*1,169,377*	*2,258,896*	*1,827,799*	*.635*	*.644*	*135*	*130*
Eastern district	**664,376**	**575,449**	**1,187,101**	**975,814**				
Daily basis	*57,662*	*52,989*	*154,164*	*139,015*	*8.20*	*8.20*	*223*	*219*
Hourly basis	*606,714*	*522,460*	*1,032,937*	*836,799*	*.672*	*.677*	*142*	*133*
Southern district	**280,230**	**240,174**	**438,829**	**371,187**				
Daily basis	*19,019*	*17,568*	*54,967*	*51,165*	*8.95*	*9.04*	*241*	*243*
Hourly basis	*261,211*	*222,606*	*385,862*	*320,022*	*.585*	*.593*	*122*	*120*
Western district	**566,082**	**462,552**	**964,345**	**780,180**				
Daily basis	*42,741*	*38,241*	*122,248*	*109,202*	*8.85*	*8.87*	*238*	*238*
Hourly basis	*523,341*	*424,311*	*842,097*	*670,978*	*.618*	*.631*	*154*	*132*

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No. 400.—Employees and Their Compensation: Class I Carriers—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1930	1931	1930	1931	1930	1931	1930	1931
Executives, officials, and staff assistants	**16,599**	**15,399**	**95,397**	**88,410**				
Daily basis	*16,599*	*15,399*	*95,397*	*88,410*	*18.14*	*18.26*	*479*	*478*
Executives, general officers, and assistants	7,650	7,403	57,838	55,084	[1]24.52	[1]24.18	630	620
Division officers and assistants	8,949	7,996	37,559	33,326	[1]12.92	[1]12.97	350	347
Professional, clerical, and general	**254,093**	**222,733**	**448,837**	**391,917**				
Daily basis	*52,813*	*48,020*	*125,441*	*114,073*	*7.64*	*7.74*	*198*	*198*
Hourly basis	*201,280*	*174,713*	*323,396*	*277,844*	*.636*	*.642*	*134*	*133*
Supervisory clerks (major departments)	4,853	4,618	14,702	13,841	[1]9.77	[1]9.73	252	250
Chief clerks (minor departments)	12,779	12,136	29,966	28,066	[1]7.49	[1]7.49	195	193
Clerks	141,474	121,131	235,835	200,532	.662	.672	139	138
Mechanical-device operators (office)	7,751	6,841	10,732	9,353	.573	.577	115	114
Stenographers and typists	19,858	17,281	29,862	25,791	.621	.626	125	124
Telephone-switchboard operators and office assistants	4,773	4,332	4,703	4,280	.403	.408	82	82
Messengers and office boys	5,728	5,030	4,196	3,646	[1]2.31	[1]2.32	61	60
Lieutenants and sergeants of police	2,208	2,164	4,715	4,570	[1]6.19	[1]6.22	178	176
Patrolmen	4,914	4,447	9,016	7,920	.571	.569	153	148
Traffic, advertising, and development agents	7,865	7,706	21,287	20,596	[1]8.83	[1]8.77	226	223
Janitors and cleaners	7,369	6,768	7,012	6,263	.375	.374	79	77
Maintenance of way and structures	**349,202**	**275,486**	**393,896**	**297,434**				
Daily basis	*5,015*	*4,563*	*14,972*	*13,456*	*9.85*	*9.82*	*249*	*246*
Hourly basis	*344,187*	*270,923*	*378,924*	*283,978*	*.456*	*.465*	*92*	*87*
Roadmasters and general foremen	3,284	3,017	9,997	9,061	[1]9.52	[1]9.43	254	250
Bridge and building gang foremen (skilled)	4,898	3,932	10,198	7,950	.841	.844	174	168
Bridge and building carpenters	19,371	14,708	28,790	20,240	.635	.634	124	115
Bridge and building painters	2,000	1,427	2,906	1,871	.646	.644	121	109
Skilled trades helpers	9,109	6,503	10,743	7,146	.507	.506	98	92
Pumping equipment operators	3,868	3,245	4,028	3,306	.346	.345	87	85
Gang foremen (extra gang, work train, bridge, and building and signal and telegraph laborers)	3,936	2,646	6,950	4,535	.681	.693	147	143
Gang or section foremen	39,276	36,519	62,050	56,063	.627	.630	132	128
Laborers (extra gang and work train)	47,347	27,719	41,981	22,412	.362	.359	74	67
Track and roadway section laborers	179,691	146,120	152,718	114,134	.360	.360	71	65
Maintenance of way laborers (not track and roadway)	6,803	5,135	6,254	4,480	.382	.377	77	73
General foremen and supervising inspectors (signal, telegraph, etc.)	575	528	1,805	1,633	[1]9.83	[1]9.79	262	258
Gang foremen (signal and telegraph, skilled trades)	1,504	1,253	3,729	3,033	.975	.976	207	202
Signalmen and signal maintainers	9,235	8,228	18,951	16,313	.811	.812	171	165
Assistant signalmen and signal maintainers	2,930	2,062	4,730	3,346	.660	.692	135	135
Signalmen and signal maintainer helpers	3,867	2,688	5,219	3,556	.558	.563	112	110
Maintenance of equipment and stores	**405,900**	**344,033**	**646,156**	**506,256**				
Daily basis	*14,862*	*12,808*	*45,019*	*38,177*	*9.16*	*9.16*	*252*	*248*
Hourly basis	*391,038*	*331,225*	*601,137*	*468,079*	*.645*	*.642*	*128*	*118*
General foremen	1,364	1,299	5,029	4,706	[1]10.96	[1]10.83	307	302
Assistant general and department foremen	10,016	8,861	31,645	27,262	[1]9.36	[1]9.28	263	256
Gang foremen and leaders (skilled)	9,036	7,609	24,356	19,329	.953	.945	225	212
Blacksmiths	6,759	5,635	11,964	8,690	.840	.832	148	129
Boilermakers	14,646	12,797	28,174	21,939	.843	.840	160	143
Carmen	86,106	71,448	155,095	117,521	.765	.759	150	137
Electrical workers	10,139	9,393	20,051	17,322	.791	.790	165	154
Machinists	50,723	45,525	95,847	77,514	.825	.822	157	142

[1] Daily basis.

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No. 400.—Employees and Their Compensation: Class I Carriers—Con.

Occupation	Average number of employees		Total compensation (1,000 dollars)		Average per hour, straight time (dollars)		Average per month, total compensation (dollars)	
	1930	1931	1930	1931	1930	1931	1930	1931
Maintenance of equipment, etc.—Continued.								
Sheet-metal workers	10,030	8,771	18,819	14,751	0.826	0.824	156	140
Skilled trades helpers	89,276	75,275	120,592	92,166	.584	.582	113	102
Helper apprentices	3,636	2,636	4,659	3,048	.617	.623	107	96
Regular apprentices	9,008	6,795	8,494	5,701	.465	.477	79	79
Gang foremen laborers (shops, engine houses, power plants, stores)	3,438	2,881	5,615	4,548	.617	.620	136	132
Coach cleaners	11,374	10,231	12,970	11,222	.410	.407	95	91
Laborers	78,856	65,057	80,696	62,502	.410	.408	85	80
Stationary engineers and firemen	6,604	5,967	11,620	10,279	.610	.611	147	144
Transportation (other than train service, engine, and yard)	**180,881**	**159,038**	**274,092**	**238,934**				
Daily basis	*23,767*	*22,641*	*29,886*	*28,186*	*3.59*	*3.58*	*105*	*104*
Hourly basis	*157,114*	*136,397*	*244,206*	*210,748*	*.585*	*.593*	*130*	*129*
Train dispatchers and directors	5,022	4,458	17,034	14,966	1.256	1.254	283	280
Station agents:								
Nontelegraphers—								
Major stations—supervisory	2,436	2,403	7,566	7,358	[1] 9.48	[1] 9.43	259	255
Smaller stations—supervisory	4,929	4,570	10,990	10,130	.842	.847	186	185
Nonsupervisory	2,993	2,945	3,765	3,625	.503	.506	105	103
Telegraphers and telephoners	18,357	17,694	32,684	31,034	.657	.659	148	146
Clerks—telegraphers and telephoners	12,122	10,343	22,002	18,804	.654	.659	151	152
Telegraphers, telephoners, and towermen	21,792	19,502	40,773	36,252	.689	.690	156	155
Baggage agents and assistants	647	568	1,121	975	.601	.608	144	143
Baggage, parcel-room, and station attendants	7,837	6,859	10,219	8,737	.478	.477	109	106
Gang foremen (freight station, warehouse, grain elevator, and dock labor)	3,336	3,000	5,934	5,251	.679	.679	148	146
Callers, loaders, scalers, sealers, perishable-freight inspectors	13,392	10,922	16,034	12,422	.530	.525	100	95
Truckers	28,529	23,183	31,932	24,993	.466	.459	93	90
Laborers	5,770	4,852	6,487	5,135	.428	.427	94	88
Crossing and bridge flagmen and gatemen	19,835	18,913	18,563	17,527	[1] 2.63	[1] 2.63	78	77
Transportation (yardmasters, switch tenders, and hostlers)	**20,303**	**17,607**	**47,887**	**40,374**				
Daily basis	*6,366*	*5,367*	*20,664*	*17,082*	*8.98*	*8.97*	*270*	*265*
Hourly basis	*13,937*	*12,240*	*27,203*	*23,292*	*.690*	*.690*	*163*	*159*
Yardmasters and assistants	6,366	5,367	20,664	17,082	[1] 8.98	[1] 8.97	270	265
Switch tenders	4,851	4,283	8,691	7,531	.646	.647	149	147
Hostlers	7,498	6,556	15,585	13,249	.732	.731	173	168
Transportation (train and engine service)	**283,710**	**243,879**	**684,030**	**563,857**				
Hourly basis	*283,710*	*243,879*	*684,030*	*563,857*	*.845*	*.847*	*201*	*192*
Road passenger conductors	9,685	8,683	30,529	27,075	.953	.953	263	260
Road freight conductors	21,075	17,800	58,467	47,544	.860	.861	231	223
Road passenger baggagemen	5,353	4,897	12,929	11,571	.716	.719	201	197
Road passenger brakemen and flagmen	12,411	10,989	26,496	22,881	.668	.669	178	174
Road freight brakemen and flagmen	49,929	42,565	103,101	83,089	.682	.682	172	163
Yard conductors and yard foremen	19,602	16,752	48,110	39,321	.897	.897	205	196
Yard brakemen and yard helpers	48,011	41,441	99,406	80,095	.827	.827	173	161
Road passenger engineers and motormen	12,177	10,981	41,361	36,615	1.269	1.265	283	278
Road freight engineers and motormen	25,986	21,781	81,994	66,504	1.039	1.041	263	254
Yard engineers and motormen	19,441	16,303	49,798	40,374	.941	.942	213	206
Road passenger firemen and helpers	11,061	9,811	28,301	24,519	.998	1.002	213	208
Road freight firemen and helpers	27,739	23,742	61,828	50,109	.786	.788	186	176
Yard firemen and helpers	19,948	16,870	38,263	30,942	.733	.733	160	153

[1] Daily basis.

Source: Interstate Commerce Commission.

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No. 401.—CAPITALIZATION OF RAILROADS: ALL REPORTING COMPANIES

NOTE.—**All amounts except "per mile of road" in millions of dollars.** Switching and terminal companies excluded beginning with 1910; their total capitalization in 1930 was $772,201,958. Figures include both operating and nonoperating railways. The gross figures include considerable amounts of securities held by the companies issuing them as well as larger amounts held by other railway companies

Year	Total capitalization				Held by railroads		Net capitalization				
	Total	Common stock	Preferred stock	Funded debt	Stock	Funded debt	Total	Per mile of road (dollars)	Stock	Funded debt	Funded debt, per cent of total
June 30, 1890	8,984	3,803	606	4,575	964	443	7,577	.....	3,445	4,132	54.5
1895	10,347	4,202	760	5,385	1,052	396	8,900	.....	3,910	4,989	56.1
1900	11,491	4,522	1,323	5,645	1,470	473	9,548	.....	4,375	5,172	54.2
1905	13,805	5,181	1,374	7,251	2,070	568	11,167	.....	4,485	6,683	59.8
1910	18,417	6,710	1,403	10,303	2,555	1,486	14,376	62,819	5,559	8,817	61.3
Dec. 31, 1916	21,049	7,594	1,455	12,000	2,633	2,084	16,333	66,591	6,416	9,917	60.7
1917	21,249	7,455	1,848	11,947	2,720	2,128	16,402	66,699	6,583	9,819	59.9
1918	20,785	7,249	1,806	11,730	2,323	2,008	16,454	66,893	6,732	9,722	59.1
1919	20,950	7,193	1,898	11,859	2,314	2,086	16,550	67,170	6,777	9,773	59.1
1920	21,891	7,216	1,898	12,778	2,407	2,490	16,994	68,787	6,707	10,287	60.5
1921	22,292	7,275	1,800	13,216	2,402	2,807	17,083	69,816	6,673	10,409	60.9
1922	22,290	7,307	1,834	13,149	2,390	2,621	17,280	70,899	6,751	10,528	60.9
1923	22,839	7,398	1,852	13,589	2,402	2,626	17,810	73,417	6,847	10,963	61.6
1924	23,636	7,539	1,935	14,162	2,668	2,766	18,202	75,322	6,806	11,396	62.6
1925	23,644	7,602	1,937	14,105	2,654	2,800	18,190	74,460	6,885	11,305	62.1
1926	23,677	7,560	1,925	14,192	2,654	2,789	18,234	74,398	6,831	11,403	62.5
1927	23,615	7,683	1,980	13,952	2,907	2,571	18,137	73,984	6,756	11,381	62.7
1928	23,747	7,809	2,034	13,904	2,759	2,477	18,511	75,316	7,084	11,427	61.7
1929	23,983	7,853	2,065	14,065	2,705	2,598	18,680	75,598	7,213	11,467	61.4
1930	24,331	8,009	2,074	14,248	2,897	2,368	19,066	77,343	7,186	11,880	62.3

No. 402.—RAILWAY STOCK OUTSTANDING, DIVIDENDS, AND INTEREST

NOTE.—**Data relate to years ending June 30 prior to 1916 and to calendar years thereafter. Nonoperating as well as operating roads are included. Switching and terminal roads are excluded beginning with 1908. Dividend figures throughout cover all classes of roads, but interest figuer for 1913 excludes the unimportant Class III roads. The amount of stock shown in the first column is exclusive of stock held by the issuing company, but includes that held by other railway companies**

Year or yearly average	Stock			Dividends			Interest accrued on funded debt (1,000 dolls.)
	Actually outstanding (1,000 dolls.)	Paying dividends (1,000 dolls.)	Per cent paying dividends	Amount declared (1,000 dolls.)	Per cent on stock paying dividends	Per cent on all stock outstanding	
1891–1895	.....	1,737,048	.....	94,093	5.42	.....	243,013
1896–1900	.....	1,977,832	.....	104,295	5.27	.....	249,548
1901–1905	.....	3,505,694	.....	199,752	5.70	.....	285,755
1906	.....	4,526,959	66.54	272,796	6.03	4.01	322,556
1907	.....	4,948,756	67.27	308,089	6.23	4.19	344,243
1908	7,300,739	4,843,371	65.69	390,695	8.07	5.30	368,296
1909	7,612,411	4,920,174	64.01	321,072	6.53	4.18	382,675
1910	8,010,730	5,412,578	66.71	405,771	7.50	5.00	399,582
1911	8,363,276	5,730,250	67.65	460,195	8.03	5.42	410,327
1912	8,552,447	5,581,289	64.73	400,315	7.17	4.64	429,027
1913	8,599,993	5,780,982	66.14	369,078	6.37	4.22	434,753
1914	8,654,215	5,667,073	64.39	451,653	7.97	5.13	442,595
1915	8,635,319	5,219,847	60.45	328,478	6.29	3.80	464,186
1916	8,755,404	5,430,123	62.02	366,561	6.75	4.19	481,426
1917	9,003,797	5,610,774	62.32	381,852	6.81	4.24	474,123
1918	8,846,717	5,138,851	58.09	339,186	6.60	3.83	468,286
1919	8,883,125	5,298,321	59.64	335,242	6.33	3.77	476,075
1920	8,843,100	5,075,040	57.30	331,103	6.52	3.74	500,354
1921	8,889,921	5,059,844	56.92	456,482	9.02	5.13	529,398
1922	8,961,637	5,321,347	59.38	338,806	6.37	3.78	538,594
1923	9,092,933	5,646,076	62.09	411,882	7.30	4.53	551,705
1924	9,300,054	6,042,268	64.97	385,130	6.37	4.14	588,301
1925	9,413,101	6,278,532	66.70	409,645	6.52	4.35	583,875
1926	9,365,272	6,473,280	69.12	473,683	7.32	5.06	581,709
1927	9,539,491	6,701,427	70.25	567,281	8.47	5.95	583,452
1928	9,722,079	7,159,989	73.65	510,018	7.12	5.25	578,831
1929	9,847,311	7,506,265	76.23	560,902	7.47	5.70	580,770
1930	10,011,538	7,702,021	76.93	603,150	7.83	6.02	588,742

Source of Tables 401 and 402: Interstate Commerce Commission.

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No. 403.—RAILWAY SECURITIES ACTUALLY OUTSTANDING

NOTE.—**All figures in thousands of dollars.** Capital actually outstanding represents securities in the hands of the public or of railway companies other than those issuing same; securities held by or for the issuing company are excluded. Switching and terminal companies are not included

Security and year ended Dec. 31—	All railroads				Class I	Class II	Class III	Non-operating subsidiaries
	All districts	Eastern district	Southern district	Western district				
Total:								
1916	19,630,610	7,506,045	2,880,243	9,244,322	16,088,847	660,027	143,862	2,737,874
1920	20,098,046	7,881,150	3,004,582	9,212,314	16,855,230	537,113	107,269	2,598,434
1925	21,734,096	8,527,168	3,444,426	9,762,502	18,098,164	437,022	86,157	3,112,753
1929	22,306,752	8,869,135	3,552,996	9,884,621	18,822,429	359,154	71,169	3,054,000
1930	22,782,889	9,128,919	3,658,575	9,995,395	19,006,276	349,079	64,814	3,362,720
Stock:								
1916	8,755,403	3,426,697	1,167,376	4,161,330	6,953,102	382,614	91,634	1,328,053
1920	8,843,100	3,474,212	1,166,809	4,202,079	7,209,735	286,688	67,247	1,279,430
1925	9,413,101	3,771,338	1,324,472	4,317,291	7,633,456	253,208	56,452	1,469,985
1929	9,847,311	4,188,304	1,383,862	4,275,145	8,184,640	209,586	48,072	1,405,013
1930	10,011,538	4,290,108	1,461,628	4,259,802	8,267,129	207,556	45,068	1,491,785
Funded debt:								
1916	10,875,207	4,079,348	1,712,867	5,082,992	9,135,745	277,413	52,228	1,409,821
1920	11,254,946	4,406,938	1,837,773	5,010,235	9,645,495	250,425	40,022	1,319,004
1925	12,320,995	4,755,830	2,119,954	5,445,211	10,464,708	183,814	29,705	1,642,768
1929	12,459,441	4,680,831	2,169,134	5,609,476	10,637,789	149,568	23,097	1,648,987
1930	12,771,351	4,838,811	2,196,947	5,735,593	10,739,147	141,523	19,746	1,870,935
1930								
Common stock	7,952,314	3,613,886	1,255,155	3,083,273	6,361,579	191,012	43,762	1,355,961
Preferred stock	2,059,224	676,222	206,473	1,176,529	1,905,550	16,544	1,306	135,824
Mortgage bonds	9,984,003	3,695,211	1,725,900	4,562,892	8,143,628	133,466	16,576	1,690,333
Collateral trust bonds	593,152	262,007	149,265	181,880	535,178	570	92	57,312
Income bonds	346,235	23,846	14,225	308,164	324,206	2,660	1,050	18,319
Miscellaneous obligations	863,523	450,661	62,621	350,241	803,165	2,247	1,839	56,272
Equipment obligations	984,438	407,086	244,936	332,416	932,970	2,580	189	48,699

No. 404.—PROPERTY INVESTMENT, INCOME, INTEREST, AND DIVIDENDS: REPORTED BY OPERATING ROADS

NOTE.—**All figures, except as indicated, in thousands of dollars.** Investment is as reported by the carrier and should not be confused with the tentative valuation fixed by the Interstate Commerce Commission. It relates only to railway property, but includes leased lines, which are not included, however, under the other columns. All data exclude switching and terminal companies

Year ended—	Investment [1]	Investment per mile of road	Net railway operating income	Return on investment	Other income	Interest, rents, and other deductions	Dividends declared
		Dollars		*Per cent*			
June 30, 1908	13,213,767	61,779	634,794	4.80	246,420	485,311	329,062
1910 [2]	14,557,816	64,382	805,097	5.53	222,915	511,417	351,202
1913	16,588,603	69,780	806,801	4.86	243,599	564,414	327,967
1914	17,153,786	72,079	674,190	3.93	246,187	576,487	380,339
1915	17,441,420	73,208	694,276	3.98	189,300	575,198	264,267
1916	17,689,425	73,795	1,002,935	5.67	195,458	594,378	286,618
Dec. 31, 1916	17,842,777	74,466	1,058,506	5.93	213,324	623,180	311,876
1917	18,574,298	77,163	950,557	5.12	[3] 233,252	[3] 574,290	325,601
1918	18,984,756	78,820	646,223	3.40	[4]	[3] 667,588	279,929
1919	19,300,121	79,974	454,132	2.35	[4]	[3] 630,559	281,569
1920	19,849,320	81,954	12,101	.06	[4]	[3] 640,516	275,348
1921	20,329,224	84,530	601,139	2.96	[3] 375,001	[3] 662,375	403,991
1922	20,580,168	86,004	769,411	3.74	[3] 265,033	[3] 655,647	275,722
1923	21,372,858	89,619	974,918	4.56	[3] 260,655	[3] 667,616	353,127
1924	22,182,267	93,233	984,463	4.44	[3] 269,188	[3] 684,559	325,983
1925	[1] 23,230,916	94,917	1,136,728	4.89	[3] 268,142	[3] 688,387	349,089
1926	[1] 23,880,740	97,433	1,229,020	5.15	[3] 297,929	[3] 701,965	411,208
1927	[1] 24,453,871	99,546	1,077,843	4.41	[3] 311,198	[3] 706,284	503,146
1928	[1] 24,875,984	100,974	1,182,467	4.75	[3] 320,011	[3] 706,052	436,217
1929	[1] 25,465,036	103,197	1,262,636	4.96	[3] 359,747	[3] 714,638	495,245
1930	[1] 26,051,000	105,661	874,154	3.36	[3] 358,893	[3] 703,864	511,259

[1] Prior to 1925 figures include investment of leased lines and exclude investment of proprietary companies which do not render annual reports. Beginning with 1925, the investment in road and equipment of proprietary companies is included as follows: 1925, $493,923,000; 1926, $831,574,000; 1927, $919,095,000; 1928, $1,013,752,000; 1929, $1,051,469,000; 1930, $1,095,630,527. In this column no allowance is made for cash and material and supplies, and no deduction is made for depreciation.

[2] Investment originally published is increased by $170,000,000, estimated reserve for depreciation.

[3] Does not include returns for Class II and Class III companies.

[4] Figures not comparable on account of Federal control accounting requirements.

Source of Tables 403 and 404: Interstate Commerce Commission.

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No. 405.—FREIGHT TRAFFIC: TRAIN AND CAR MOVEMENT

NOTE.—Figures prior to 1916 relate to years ended June 30, thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. The tonnage "per loaded car" for "All roads" is based on revenue tonnage only; and for "Class I roads" on revenue and nonrevenue tonnage, with exception of the "District" figures for 1916–1920. Tons are of 2,000 pounds

Class and year or yearly average	Train-miles (thousands)	Car-miles (thousands)		Tons of revenue freight		Freight revenue		Average miles per car per day
		Loaded (revenue and nonrevenue)	Empty	Per train	Per loaded car	Per train-mile (dollars)	Per loaded car-mile (cents)	
All roads:								
1891–1895	467,299			184		1.62		
1896–1900	489,723			229		1.76		
1901–1905	519,896	9,631,628	4,320,390	304	17.4	2.35		
1906–1910	603,105	11,754,421	5,234,008	359	19.5	2.72		
1911–1915	608,512	13,369,203	6,169,216	432	20.7	3.19		
1916–1920	617,430	15,444,150	6,904,625	604	25.3	[1] 5.30		
1921–1925	577,844	15,243,111	8,096,532	621	24.6	[1] 7.28		
1926–1930	586,389	17,357,165	10,330,175	700	24.5	[1] 7.67		
1909	568,855	11,360,655	5,242,995	363	19.3	2.76		
1910	635,451	12,851,295	5,498,337	380	19.8	2.86		
1911	626,496	12,859,386	5,832,515	383	19.7	2.90		
1912	612,345	13,088,332	5,767,144	407	20.2	3.02		
1913	[2] 643,841	[2] 14,271,944	[2] 6,120,861	[2] 445	[2] 21.1	[2] 3.24		
1914	607,872	13,686,818	6,531,274	447	21.1	[2] 3.31		
1915	552,004	12,939,535	6,594,287	476	21.1	[2] 3.47	[2] 15.5	
1916	632,304	15,855,103	6,779,225	552	22.8	[2] 3.93	[2] 16.3	
1917	646,402	15,911,203	6,780,872	588	24.8	[1] 4.27	[1] 17.7	
1918	628,436	14,995,557	7,167,144	621	27.0	[1] 5.33	[1] 22.9	
1919	560,499	14,273,422	6,531,570	623	25.4	[1] 6.14	[1] 24.8	[1] 23.0
1920	619,507	15,336,778	7,264,316	639	26.7	[1] 6.81	[1] 28.1	[1] 25.1
1921	519,817	12,449,086	7,309,192	567	24.6	[1] 7.38	[1] 31.4	[1] 22.4
1922	544,486	13,926,355	6,798,121	599	24.3	[1] 7.19	[1] 28.6	[1] 23.5
1923	631,167	16,374,750	8,536,002	632	25.2	[1] 7.19	[1] 28.1	[1] 27.8
1924	590,879	15,859,163	8,519,637	634	24.5	[1] 7.22	[1] 27.3	[1] 26.8
1925	602,873	16,836,710	9,319,706	663	24.6	[1] 7.41	[1] 26.9	[1] 28.5
1926	622,295	17,759,004	10,154,842	689	25.0	[1] 7.58	[1] 27.0	[1] 30.4
1927	598,435	17,390,777	10,298,061	690	24.6	[1] 7.59	[1] 26.6	[1] 30.3
1928	589,616	17,757,670	10,487,254	706	24.3	[1] 7.77	[1] 26.3	[1] 31.2
1929	598,343	18,169,092	10,805,302	718	24.5	[1] 7.86	[1] 26.4	[1] 32.3
1930	523,255	15,709,284	9,905,415	699	24.3	[1] 7.56	[1] 25.8	[1] 28.7
Class I roads, total:								
1916–1920	604,422	15,156,421	6,836,894	613	25.4	5.30	21.9	
1921–1925	567,286	14,988,046	8,032,691	633	27.1	7.28	28.3	25.8
1926–1930	576,664	17,262,995	10,267,375	713	26.9	7.67	26.4	30.6
1928	579,809	17,663,240	10,423,988	718	26.6	7.77	26.3	31.2
1929	589,319	18,084,276	10,747,666	730	26.9	7.86	26.4	32.3
1930	515,131	15,637,774	9,856,061	711	26.6	7.56	25.8	28.7
1931	464,196	13,225,236	8,540,092	666	25.7	7.00	24.6	24.5
Eastern district:								
1916–1920	244,387	6,512,690	3,059,466	738	28.1	6.05	23.0	
1921–1925	220,500	6,183,778	3,317,411	744	28.8	8.51	30.7	22.4
1926–1930	219,468	6,956,068	4,125,220	818	28.1	8.92	28.6	26.4
1928	217,831	7,072,008	4,170,945	828	27.7	9.07	28.3	26.8
1929	222,537	7,343,854	4,335,313	849	28.0	9.25	28.4	28.1
1930	190,446	6,225,933	3,898,385	825	27.6	8.91	27.7	24.5
1931	166,650	5,245,884	3,374,165	772	26.4	8.22	26.1	21.2
Southern district:								
1916–1920	113,132	2,620,391	1,246,908	581	26.0	4.44	19.9	
1921–1925	118,509	2,857,938	1,614,396	632	29.3	6.15	26.1	30.0
1926–1930	122,815	3,314,113	2,127,953	738	30.5	6.65	25.3	36.0
1928	120,979	3,296,245	2,105,551	736	30.1	6.67	25.1	36.4
1929	121,007	3,360,201	2,144,137	752	30.3	6.79	25.1	37.7
1930	108,787	2,963,986	2,010,480	739	30.5	6.57	24.9	32.6
1931	99,560	2,554,663	1,745,445	698	29.9	6.22	24.2	27.4
Western district:								
1916–1920	246,903	6,023,340	2,530,519	510	22.2	5.00	21.7	
1921–1925	228,277	5,946,330	3,100,884	531	24.3	6.70	26.9	28.2
1926–1930	234,381	6,992,814	4,014,202	606	24.0	7.08	24.8	33.4
1928	240,999	7,924,987	4,147,492	615	23.9	7.17	24.8	34.5
1929	245,775	7,380,221	4,268,216	616	24.1	7.15	24.9	35.2
1930	215,898	6,447,855	3,947,196	602	23.8	6.92	24.4	31.9
1931	197,986	5,424,689	3,420,482	561	23.1	6.37	23.3	27.2

[1] Data available for Class I roads only. [2] Class I and Class II roads.

Source: Interstate Commerce Commission.

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No. 406.—FREIGHT TRAFFIC: TONNAGE AND REVENUE

NOTE.—Figures before 1916 relate to years ended June 30; thereafter to calendar years. Switching and terminal roads excluded beginning with 1908. For certain principal items for individual years, 1890 to 1900, see Table 410, p. 381. Tons are of 2,000 pounds

Class and year or yearly average	Tons of revenue freight carried (thousands)		Tons carried 1 mile (millions)		Revenue ton-miles per mile of road	Average haul, revenue freight (miles)		Freight revenue	
	Originated	Total	Revenue freight	Revenue and nonrevenue		System	Individual road	Amount ($1,000 dolls.)	Per ton-mile (cents)
All roads:									
1891–1895	----------	692,446	85,693	--------	506,809	--------	123.75	758,930	0.886
1896–1900	----------	874,389	113,962	--------	611,128	--------	130.33	879,837	.772
1901–1905	691,120	1,266,313	167,715	--------	820,016	242.67	132.44	1,298,713	.774
1906–1910	930,254	1,673,431	228,936	--------	1,006,849	246.10	136.81	1,744,525	.763
1911–1915	1,074,121	1,903,074	277,073	--------	1,104,718	257.95	145.59	2,051,625	.740
1916–1920	1,325,772	2,378,164	390,815	--------	1,510,297	294.78	164.33	3,419,260	.875
1921–1925	1,231,193	2,216,318	375,468	--------	1,455,688	304.96	169.41	4,377,618	1.166
1926–1930	1,364,607	2,481,018	430,310	--------	1,657,292	315.34	173.44	4,690,122	1.090
1901	583,692	1,089,226	147,077	--------	760,414	251.98	135.03	1,118,543	.750
1902	657,847	1,200,316	157,289	--------	793,351	239.10	131.04	1,207,229	.757
1903	714,768	1,304,394	173,221	--------	855,442	242.35	132.80	1,338,020	.763
1904	714,375	1,309,899	174,522	--------	829,476	244.30	133.23	1,379,003	.780
1905	784,920	1,427,732	186,463	--------	861,396	237.56	130.60	1,450,773	.766
1906	896,159	1,631,374	215,878	--------	982,401	240.89	132.33	1,640,387	.748
1907	977,489	1,796,337	236,601	--------	1,052,119	242.05	131.71	1,823,652	.759
1908	869,798	1,532,982	218,382	--------	974,654	253.94	143.83	1,655,419	.754
1909	881,334	1,556,560	218,803	--------	953,986	251.10	141.87	1,677,614	.763
1910	1,026,492	1,849,900	255,017	--------	1,071,086	259.68	138.31	1,925,553	.753
1911	1,003,054	1,781,638	253,784	--------	1,053,566	254.10	142.88	1,925,951	.757
1912	1,031,207	1,844,978	264,081	--------	1,078,580	256.87	143.44	1,968,599	.744
1913	1,182,548	[1] 2,058,035	301,730	--------	1,190,397	255.15	[2] 144.40	[1] 2,198,931	[1] .729
1914	1,129,992	2,002,026	288,637	--------	1,125,084	255.43	144.17	2,126,717	.737
1915	1,023,803	1,828,692	277,135	--------	1,075,962	270.69	151.55	2,037,926	.735
1916	1,317,246	2,347,396	366,173	--------	1,409,957	277.98	155.99	2,631,092	.719
1917	1,382,005	2,453,423	398,263	--------	1,538,211	288.18	162.33	2,897,436	.728
1918	1,376,845	2,477,092	408,778	--------	1,582,796	296.89	165.02	3,522,052	.862
1919	1,189,765	2,185,285	367,161	--------	1,423,390	308.60	168.60	3,624,886	.987
1920	1,362,999	2,427,622	413,699	--------	1,597,133	303.52	170.41	4,420,833	1.069
1921	1,017,818	1,808,836	309,533	--------	1,199,328	304.11	171.12	4,004,109	1.294
1922	1,111,822	1,974,618	342,188	--------	1,330,460	307.77	173.29	4,085,742	1.194
1923	1,387,755	2,503,117	416,256	--------	1,615,741	299.94	166.29	4,712,495	1.132
1924	1,287,413	2,331,291	391,945	--------	1,581,556	304.44	168.12	4,437,380	1.132
1925	1,351,155	2,463,725	417,418	--------	1,613,862	308.93	169.43	4,648,364	1.114
1926	1,439,612	2,627,492	447,444	--------	1,732,295	310.81	170.29	4,905,981	1.096
1927	1,372,547	2,510,054	432,014	--------	1,668,800	314.75	172.11	4,728,885	1.095
1928	1,371,359	2,504,196	436,087	--------	1,677,089	318.00	174.14	4,771,562	1.094
1929	1,419,383	2,584,333	450,189	--------	1,727,786	317.17	174.20	4,899,168	1.088
1930	1,220,134	2,179,015	385,815	--------	1,481,199	316.21	177.06	4,145,015	1.074
Class I Roads:									
1921–1925	1,135,499	2,068,262	372,216	409,740	1,581,865	327.80	179.97	4,277,134	1.149
1926–1930	1,279,197	2,341,062	427,234	468,347	1,782,344	333.99	182.50	4,600,341	1.077
1929	1,339,091	2,451,601	447,322	489,887	1,851,620	334.05	182.46	4,815,448	1.076
1930	1,153,197	2,063,078	383,450	420,016	1,583,465	332.51	185.86	4,075,698	1.063
1931	894,186	1,605,034	309,308	340,148	1,285,489	345.91	193.98	3,251,566	1.051
Eastern district:									
1921–1925	510,141	1,112,147	166,644	178,569	2,827,013	326.66	149.84	1,906,544	1.144
1926–1930	547,987	1,227,180	182,768	196,477	3,070,369	333.53	148.93	1,993,945	1.091
1929	576,718	1,294,927	192,331	206,560	3,195,743	333.49	148.53	2,096,611	1.090
1930	495,974	1,055,454	160,533	172,772	2,669,853	323.67	152.10	1,733,361	1.080
1931	386,210	815,595	128,722	138,323	2,177,423	333.30	158.35	1,370,361	1.065
Southern district:									
1921–1925	234,018	353,728	77,047	84,282	1,756,460	329.24	217.81	749,632	.973
1926–1930	294,051	430,198	93,552	101,847	2,059,316	318.15	217.46	842,994	.901
1929	295,468	429,575	94,252	102,464	2,059,919	318.99	219.41	851,042	.903
1930	261,144	383,374	83,787	91,097	1,822,442	320.85	218.55	744,075	.888
1931	211,007	308,709	69,533	76,285	1,516,222	329.53	225.69	619,351	.891
Western district:									
1921–1925	391,340	602,387	128,525	146,889	970,062	328.42	213.36	1,620,958	1.261
1926–1930	437,159	683,684	150,914	170,023	1,119,969	345.22	220.74	1,763,402	1.168
1929	466,905	727,099	160,739	180,863	1,184,992	344.26	221.07	1,867,795	1.162
1930	396,079	624,250	139,130	156,147	1,022,596	351.27	222.88	1,598,262	1.149
1931	296,969	480,730	111,053	125,340	818,738	373.95	234.49	1,261,854	1.135

[1] Class I and Class II roads.
[2] Data included for Class II and Class III roads are partially estimated.

Source: Interstate Commerce Commission.

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No. 407.—REVENUE AND TRAFFIC BY MONTHS: CLASS I CARRIERS

NOTE.—Except at times of general revisions in freight rates changes in freight revenue are closely parallel to those of ton-mileage. Data, except as indicated, include Class I switching and terminal companies

Year	Average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL OPERATING REVENUES (millions of dollars)													
1910 [1]	234.7	209.1	200.7	235.7	223.9	232.5	236.2	231.5	253.0	254.8	261.2	244.9	233.2
1911	231.2	211.6	196.0	223.5	214.9	226.2	228.4	228.9	249.9	253.6	261.9	244.2	234.9
1912	249.8	209.2	216.1	235.8	219.2	232.3	242.9	253.0	275.8	274.4	298.2	275.9	264.4
1913	460.9	247.0	229.9	245.9	242.3	262.1	258.9	266.3	279.6	283.4	296.3	266.6	252.4
1914	244.0	231.3	207.1	247.5	235.4	237.7	249.3	256.0	267.1	269.6	266.6	233.8	226.3
1915	256.6	214.1	205.1	231.5	231.0	237.9	249.5	259.2	273.1	287.2	303.7	299.1	288.1
1916	302.1	260.9	262.8	290.2	282.0	301.0	300.0	303.2	327.2	325.3	338.7	322.7	311.1
1917	337.4	300.8	265.4	317.1	319.3	345.9	349.7	348.4	366.2	358.8	382.5	357.3	337.1
1918	410.5	285.4	290.0	366.4	371.6	379.0	395.2	470.4	504.7	489.7	490.8	440.9	441.5
1919	432.0	397.2	352.4	377.4	389.5	413.9	426.1	455.3	471.7	498.6	509.8	438.1	453.4
1920	519.0	500.8	424.6	460.2	402.3	457.6	494.7	529.1	555.5	618.9	641.8	592.1	550.6
1921	464.2	470.4	406.5	459.0	433.4	444.9	461.6	462.9	505.7	498.3	536.7	465.9	425.3
1922	468.3	395.8	401.6	475.2	417.1	449.4	474.0	443.8	474.1	500.9	550.3	523.6	513.6
1923	523.9	502.5	446.9	535.8	523.3	548.1	541.3	536.3	564.5	546.1	587.9	532.0	494.6
1924	499.0	469.0	479.5	505.4	475.2	477.5	465.7	481.8	508.5	541.0	572.9	505.9	505.2
1925	515.6	485.0	455.2	486.7	473.7	489.0	507.0	522.5	555.5	565.6	591.5	533.0	524.1
1926	538.8	481.4	460.8	531.5	500.5	518.0	541.4	557.9	580.3	591.2	610.4	562.3	527.7
1927	517.6	487.6	469.6	531.6	498.9	519.6	517.5	509.7	557.8	565.5	581.0	604.3	467.7
1928	515.7	458.2	456.8	506.1	475.1	511.5	503.2	513.7	558.8	556.9	618.8	532.1	496.8
1929	529.9	487.5	476.2	517.6	514.7	538.6	532.6	558.4	587.3	567.4	609.4	499.8	469.4
1930	445.3	451.5	428.1	453.0	451.2	463.3	445.0	457.1	466.4	467.5	483.5	398.8	378.0
1931	353.0	365.9	336.6	376.1	369.7	369.0	369.8	377.1	364.5	350.3	363.2	305.4	288.6
FREIGHT REVENUE (millions of dollars)													
1914	166.0	156.1	140.9	174.3	160.2	159.0	164.1	168.5	177.0	185.1	188.8	163.3	154.3
1915	178.9	147.2	143.3	163.4	161.9	165.3	168.8	170.3	181.0	198.7	220.6	219.3	206.4
1916	214.6	185.9	191.1	212.3	202.7	217.9	208.1	204.2	227.3	228.8	245.6	236.4	214.6
1917	236.1	211.7	185.1	227.3	227.9	251.9	247.3	241.6	250.3	242.2	271.4	254.7	221.7
1918	288.2	188.8	198.6	259.9	264.5	263.3	263.8	328.4	350.9	342.1	365.4	322.6	309.7
1919	296.3	278.4	242.3	256.0	265.7	286.7	284.3	306.5	313.8	346.7	368.5	303.5	303.7
1920	360.6	311.6	299.2	324.6	268.8	314.1	340.3	356.1	369.6	438.9	480.4	436.9	386.6
1921	327.2	324.9	284.2	320.8	304.8	313.1	322.2	314.8	353.8	354.8	402.0	342.4	288.7
1922	334.1	277.1	294.6	354.3	288.9	319.6	331.9	299.6	326.5	355.9	406.4	389.9	364.2
1923	385.5	367.0	326.8	398.8	386.3	405.5	387.3	379.3	402.1	390.9	441.5	395.9	344.1
1924	362.4	333.4	352.7	371.7	342.9	344.8	323.4	340.1	358.5	399.2	439.0	381.0	362.2
1925	379.4	350.8	336.9	360.8	347.2	359.4	366.1	377.5	403.4	419.7	450.6	402.5	379.5
1926	401.7	347.8	340.8	402.0	370.6	385.5	397.8	409.5	429.6	445.0	472.4	433.5	384.9
1927	387.5	358.1	354.1	406.6	371.6	391.3	382.2	370.1	415.3	426.9	452.9	386.0	334.9
1928	391.4	338.0	346.3	388.4	356.6	391.7	370.8	382.2	421.8	424.1	493.1	415.9	368.1
1929	402.6	367.2	363.8	393.9	393.7	412.8	391.1	417.1	446.6	435.5	483.6	384.5	341.2
1930	340.5	338.2	327.2	345.4	345.8	354.4	331.6	347.3	354.7	363.4	385.7	311.0	280.9
1931	271.4	277.0	257.5	291.3	283.7	283.2	281.3	290.3	280.1	270.2	289.2	238.5	214.4
PASSENGER REVENUE (millions of dollars)													
1925	88.0	88.7	77.6	79.6	78.4	82.0	92.6	98.0	104.0	95.7	86.5	81.1	92.0
1926	87.0	89.6	78.6	80.8	80.7	82.8	92.5	97.9	99.0	92.7	82.2	77.4	89.7
1927	81.4	86.0	74.3	76.7	77.4	78.6	86.0	91.7	91.7	86.3	75.2	70.9	81.9
1928	75.2	78.6	69.5	70.6	71.1	70.4	81.8	82.8	85.2	80.2	69.7	65.3	76.7
1929	72.8	75.0	68.4	71.9	67.5	68.9	79.3	79.6	84.3	75.8	66.2	62.5	74.5
1930	60.8	70.5	61.3	61.8	59.6	60.4	67.2	65.8	67.4	59.1	52.4	48.7	55.4
1931	45.9	53.3	46.5	47.1	47.3	47.0	51.0	50.3	49.2	44.8	38.2	35.9	40.6
FREIGHT TON-MILES (millions) [2]													
1918	36,410	27,620	29,678	37,706	37,993	37,507	37,668	39,347	40,776	39,579	39,842	35,564	33,639
1919	32,814	30,356	25,630	28,813	28,593	32,276	31,881	34,916	36,416	38,678	40,361	32,497	33,353
1920	37,445	34,964	32,958	37,865	28,592	37,892	38,246	40,449	42,734	40,998	42,570	37,349	34,726
1921	34,478	29,784	24,915	26,816	25,591	28,220	28,146	28,402	30,420	30,864	36,672	29,222	35,723
1922	31,320	27,151	28,451	32,941	24,735	27,940	29,062	27,115	30,472	34,334	39,287	38,077	36,271
1923	38,133	37,707	32,628	39,222	38,321	39,598	38,001	38,518	40,344	39,461	42,210	38,158	33,427
1924	35,803	34,510	35,982	36,426	31,926	33,915	31,968	33,185	36,457	39,064	43,134	38,067	35,006
1925	38,007	37,026	33,570	35,332	33,571	37,126	35,854	37,944	41,709	41,305	44,054	40,775	37,856
1926	40,725	37,680	35,405	38,669	36,300	39,834	39,252	41,717	43,734	44,346	48,296	43,360	40,116
1927	39,559	39,233	37,259	41,817	37,111	40,118	38,477	38,369	41,984	42,959	45,537	37,250	34,592
1928	39,769	36,289	35,723	39,486	35,887	39,263	37,307	39,153	42,425	43,791	48,234	41,991	37,673
1929	41,026	39,210	38,140	40,228	38,346	41,846	40,740	42,009	44,950	44,222	47,836	38,741	36,046
1930	35,179	36,718	34,347	35,301	34,900	36,573	34,417	35,595	37,423	36,232	39,294	32,310	29,034
1931	28,345	30,314	27,079	29,960	28,710	30,014	28,258	30,276	29,348	27,847	30,588	25,086	22,663

[1] Returns for January to October, inclusive, do not include switching and terminal companies.
[2] Exclusive of switching and terminal companies.

Source: Interstate Commerce Commission.

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No. 408.—PASSENGERS CARRIED AND PASSENGER REVENUE

NOTE.—Figures relate to years ended June 30 prior to 1916, to calendar years thereafter. Passenger service revenue per train-mile includes revenue from mail, express, etc., but average revenue per passenger-mile is computed only from revenue from passengers themselves

Class and year or yearly average	Passengers carried (thousands)	Passengers carried 1 mile (millions)	Average journey per passenger (miles)	Passenger train-miles (thousands)	Passenger train car-miles (thousands)	Passenger revenue (thousand dollars)	Passenger service train revenue per train-mile	Revenue per passenger per mile (cts.)	Average passengers per train
All roads:									
1891-1895	546,762	13,383	24.48	321,031	----------	281,415	$1.05	2.10	42
1896-1900	520,459	13,863	26.64	345,457	----------	279,900	.99	2.02	39
1901-1905	681,261	20,737	30.44	423,244	----------	416,609	1.11	2.01	45
1906-1910	885,003	28,683	32.41	509,868	----------	566,815	1.26	1.98	53
1911-1915	1,018,804	33,768	33.14	587,501	3,264,399	672,792	1.32	1.99	54
1916-1920	1,152,566	42,548	36.92	560,364	3,416,933	1,021,536	[1] 2.13	2.40	[1] 72
1921-1925	982,320	36,869	37.53	571,455	3,603,117	1,112,634	[1] 2.47	3.02	[1] 65
1926-1930	801,503	31,846	39.73	569,310	3,818,089	908,341	[1] 2.15	2.85	[1] 56
1903	694,892	20,916	30.10	425,142	----------	421,705	1.12	2.01	46
1904	715,420	21,923	30.64	440,465	----------	444,327	1.14	2.01	46
1905	738,835	23,800	32.21	459,827	----------	472,695	1.16	1.96	48
1906	797,946	25,167	31.54	479,038	----------	510,033	1.20	2.00	49
1907	873,905	27,719	31.72	509,328	----------	564,606	1.26	2.01	51
1908	890,010	29,083	32.86	505,946	2,705,660	566,833	1.27	1.94	54
1909	891,472	29,109	32.85	506,011	2,746,511	563,609	1.27	1.93	54
1910	971,683	32,338	33.50	549,015	2,998,171	628,992	1.30	1.94	56
1911	997,410	33,202	33.48	572,929	3,136,774	657,638	1.31	1.97	55
1912	1,004,081	33,132	33.18	585,854	3,235,634	660,373	1.29	1.99	53
1913	1,043,603	34,673	33.31	[2] 593,061	[2] 3,320,488	[2] 695,988	[2] 1.36	[2] 2.01	[2] 55
1914	1,063,249	35,357	33.25	605,212	3,399,604	703,484	[2] 1.34	1.99	[2] 56
1915	985,676	32,475	32.95	580,448	3,229,496	646,475	[2] 1.31	1.99	[2] 53
1916	1,048,987	35,220	33.58	595,441	3,409,639	722,359	[2] 1.44	2.05	[2] 56
1917	1,109,943	40,100	36.13	593,338	3,485,788	840,910	[1] 1.69	2.10	[1] 65
1918	1,122,963	43,212	38.48	544,327	3,276,489	1,046,166	[1] 2.23	2.42	[1] 76
1919	1,211,022	46,838	38.68	553,147	3,446,787	1,193,431	[1] 2.46	2.55	[1] 82
1920	1,269,913	47,370	37.30	574,826	3,618,617	1,304,815	[1] 2.78	2.76	[1] 80
1921	1,061,131	37,706	35.53	568,242	3,503,514	1,166,252	[1] 2.51	3.09	[1] 67
1922	989,509	35,811	36.19	553,919	3,445,869	1,087,516	[1] 2.50	3.04	[1] 65
1923	1,008,538	38,294	37.97	573,938	3,616,342	1,158,925	[1] 2.56	3.03	[1] 67
1924	950,459	36,368	38.26	579,384	3,676,746	1,085,672	[1] 2.41	2.99	[1] 63
1925	901,963	36,167	40.10	581,792	3,773,114	1,064,806	[1] 2.37	2.94	[1] 63
1926	874,589	35,673	40.79	584,972	3,862,610	1,049,210	[1] 2.33	2.94	[1] 61
1927	840,030	33,798	40.23	578,355	3,850,116	980,528	[1] 2.23	2.90	[1] 59
1928	798,476	31,718	39.72	570,038	3,815,337	905,271	[1] 2.13	2.85	[1] 56
1929	786,432	31,165	39.63	568,095	3,870,903	875,929	[1] 2.18	2.81	[1] 55
1930	707,987	26,876	37.96	545,091	3,691,480	730,766	[1] 1.85	2.72	[1] 49
Class I roads:									
1916-1920	1,114,055	41,989	37.69	556,495	3,406,925	1,005,690	2.13	2.40	72
1921-1925	962,153	36,556	37.99	558,568	3,572,292	1,100,602	2.47	3.01	65
1926-1930	793,335	31,724	39.99	560,633	3,800,669	903,748	2.15	2.85	56
1928	790,327	31,601	39.99	561,600	3,798,733	901,019	2.13	2.85	56
1929	780,468	31,074	39.81	560,692	3,857,133	872,466	2.18	2.81	55
1930	703,598	26,815	38.11	538,709	3,680,136	728,488	1.85	2.72	49
1931	596,340	21,899	36.72	486,728	3,317,107	550,301	-------	2.51	45
Eastern district:									
1921-1925	642,356	18,636	29.01	230,179	1,507,410	528,429	2.84	2.84	81
1926-1930	571,978	17,392	30.41	234,631	1,642,826	474,330	2.61	2.73	74
1928	571,801	17,386	30.41	234,585	1,634,510	474,824	2.61	2.73	77
1929	567,555	17,273	30.43	237,146	1,685,532	467,229	2.65	2.71	74
1930	520,656	15,372	29.52	226,884	1,619,038	403,757	2.32	2.63	67
1931	449,096	12,916	28.76	208,077	1,481,336	316,934	-------	2.45	62
Southern district:									
1921-1925	108,845	5,191	47.69	96,314	582,587	174,435	2.22	3.36	53
1926-1930	78,652	4,110	52.26	97,851	625,385	132,664	1.78	3.23	42
1928	79,005	4,034	51.05	97,391	617,691	129,565	1.75	3.21	41
1929	75,985	3,762	49.51	95,171	612,382	118,804	1.75	3.16	39
1930	63,990	3,061	47.83	92,426	587,308	93,914	1.42	3.07	33
1931	48,667	2,293	47.10	82,638	527,908	66,330	-------	2.89	28
Western district:									
1921-1925	210,952	12,729	60.34	232,075	1,482,295	397,738	2.21	3.12	54
1926-1930	142,705	10,222	71.63	228,151	1,532,458	296,764	1.83	2.90	44
1928	139,521	10,181	72.97	229,624	1,546,532	296,630	1.81	2.91	44
1929	136,928	10,039	73.32	228,375	1,559,219	286,433	1.87	2.85	44
1930	118,952	8,382	70.47	219,399	1,473,790	230,817	1.55	2.75	38
1931	98,577	6,690	67.87	196,013	1,307,863	167,037	-------	2.50	34

[1] Data available for Class I only.

[2] Class I and Class II roads.

Source: Interstate Commerce Commission.

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No. 409.—REVENUES, EXPENSES, AND INCOME OF OPERATING COMPANIES

NOTE.—Data relate to years ended June 30 prior to 1916, to calendar years thereafter. The method of calculating net revenue and net operating income is more fully shown in Table 413. Switching and terminal companies are excluded beginning with 1908. For certain principal items for individual years 1890 to 1900, see Table 411, p. 381

Class and year or yearly average	Average miles of line (first track) operated	Income account items (thousands of dollars)					Per mile of line		Per cent operating expenses of revenues
		Operating revenues	Operating expenses	Net revenue from operations	Tax accruals	Net railway operating income	Operating revenues	Net revenue from operations	
All roads:									
1891–1895	169,378	1,127,531	759,588	367,942	34,915	333,027	$6,657	$2,172	67.37
1896–1900	186,001	1,264,048	832,377	431,671	41,970	389,701	6,796	2,321	65.85
1901–1905	206,050	1,854,682	1,226,737	627,945	53,106	574,840	9,001	3,048	66.14
1906–1910	229,404	2,528,171	1,705,542	822,630	80,931	727,407	11,021	3,586	67.46
1911–1915	246,952	3,007,262	2,123,282	883,980	123,345	729,172	12,164	3,578	70.61
1916–1920	258,295	4,870,468	3,971,453	899,015	227,680	624,304	18,856	3,481	81.54
1921–1925	257,932	6,003,699	4,684,135	1,319,563	328,822	899,332	23,276	5,116	78.02
1926–1930	259,646	6,139,269	4,502,029	1,637,240	386,732	1,125,224	23,645	6,306	73.33
1901	195,562	1,588,526	1,030,397	558,129	46,708	511,421	8,123	2,854	64.86
1902	200,155	1,726,380	1,116,249	610,131	50,054	560,077	8,625	3,048	64.66
1903	205,314	1,900,847	1,257,539	643,308	53,252	590,056	9,258	3,133	66.16
1904	212,243	1,975,174	1,338,896	636,278	56,802	579,476	9,306	2,998	67.79
1905	216,974	2,082,482	1,390,602	691,880	58,712	633,168	9,598	3,189	66.78
1906	222,340	2,325,765	1,536,877	788,888	69,064	719,824	10,460	3,548	66.08
1907	227,455	2,589,106	1,748,516	840,590	73,743	766,846	11,383	3,696	67.53
1908	227,257	2,440,639	1,710,402	730,237	78,674	634,794	10,740	3,213	70.08
1909	232,981	2,473,205	1,650,034	823,171	85,140	710,474	10,615	3,533	66.72
1910	236,987	2,812,142	1,881,879	930,263	98,035	805,097	11,866	3,925	66.92
1911	243,434	2,852,855	1,976,332	876,523	102,657	744,669	11,719	3,601	69.28
1912	246,829	2,906,416	2,035,058	871,358	113,819	727,458	11,775	3,530	70.02
1913	[1] 242,657	[1] 3,193,118	[1] 2,235,923	[1] 957,195	[1] 122,005	[1] 805,266	[1] 13,159	[1] 3,945	[1] 70.02
1914	254,775	3,127,730	2,280,416	847,314	140,470	674,190	12,276	3,326	72.91
1915	256,214	2,956,193	2,088,683	867,510	137,775	694,276	11,538	3,386	70.65
1916	257,325	3,691,065	2,426,251	1,264,815	161,825	1,058,506	14,344	4,915	65.73
1917	258,913	4,115,413	2,906,283	1,209,130	218,632	950,557	15,895	4,670	70.62
1918	258,263	4,985,290	4,071,522	913,768	229,533	646,223	19,303	3,538	81.67
1919	257,949	5,250,420	4,498,817	751,603	239,136	454,132	20,354	2,914	85.68
1920	259,026	6,310,151	5,954,394	355,757	289,272	12,101	24,361	1,373	94.36
1921	258,089	5,632,665	4,668,998	963,667	283,163	601,139	21,825	3,734	82.89
1922	257,195	5,674,483	4,509,991	1,164,492	308,145	769,411	22,063	4,528	79.48
1923	257,625	6,419,210	4,999,383	1,419,827	339,577	974,918	24,917	5,511	77.88
1924	258,104	6,045,252	4,608,807	1,436,445	347,437	984,463	23,422	5,565	76.24
1925	258,646	6,246,883	4,633,497	1,613,386	365,790	1,136,728	24,152	6,238	74.17
1926	258,295	6,508,679	4,766,235	1,742,444	396,538	1,229,020	25,199	6,746	73.23
1927	258,877	6,245,716	4,662,521	1,583,195	383,112	1,077,842	24,126	6,116	74.65
1928	260,026	6,212,464	4,508,606	1,703,858	395,631	1,182,467	23,892	6,553	72.57
1929	260,558	6,373,004	4,579,162	1,793,842	402,698	1,262,636	24,459	6,885	71.85
1930	260,475	5,356,484	3,993,621	1,362,863	353,881	874,154	20,564	5,232	74.56
Class I roads:									
1916–1920	232,974	4,763,039	3,879,220	883,819	219,774	616,987	20,445	3,794	81.44
1921–1925	235,302	5,881,855	4,583,425	1,298,431	321,536	883,599	24,997	5,518	77.92
1926–1930	239,703	6,038,339	4,421,699	1,616,640	379,941	1,114,903	25,191	6,744	73.23
1929	241,584	6,279,521	4,506,056	1,773,465	396,683	1,251,698	25,993	7,341	71.76
1930	242,159	5,281,197	3,930,929	1,350,268	348,554	868,879	21,809	5,576	74.43
1931	242,282	4,188,505	3,229,781	958,724	303,268	519,929	17,288	3,957	77.11
Eastern district:									
1921–1925	58,947	2,668,020	2,125,217	542,803	128,138	364,374	45,261	9,208	79.66
1926–1930	59,526	2,718,136	2,026,514	691,622	156,454	473,330	45,663	11,619	74.56
1929	60,184	2,840,428	2,070,313	770,115	164,988	541,325	47,196	12,796	72.89
1930	60,128	2,360,480	1,793,637	566,843	142,601	356,612	39,258	9,427	75.99
1931	59,832	1,868,462	1,466,710	401,752	125,309	206,146	31,228	6,715	78.50
Southern district:									
1921–1925	43,865	992,307	762,100	230,207	54,088	170,826	22,622	5,248	76.80
1926–1930	45,429	1,047,501	757,713	289,788	71,462	216,138	23,058	6,379	72.34
1929	45,755	1,046,451	748,737	297,714	72,811	225,951	22,871	6,507	71.55
1930	45,975	901,554	662,529	239,025	65,177	170,285	19,610	5,199	73.49
1931	46,116	739,238	564,660	174,578	56,931	109,935	16,030	3,786	76.38
Western district:									
1921–1925	132,490	2,221,528	1,696,108	525,421	139,310	348,399	16,767	3,966	76.35
1926–1930	134,748	2,272,702	1,637,472	635,230	152,025	425,435	16,866	4,714	72.05
1929	135,645	2,392,642	1,687,006	705,636	158,884	484,422	17,639	5,202	70.51
1930	136,056	2,019,163	1,474,763	544,400	140,776	341,982	14,841	4,001	73.04
1931	136,334	1,580,805	1,198,411	382,394	121,028	203,848	11,595	2,805	75.81

[1] Class I and Class II roads.

Source: Interstate Commerce Commission.

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No. 410.—FREIGHT TRAFFIC: TONNAGE AND REVENUE, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for freight traffic are presented in Table 406, p. 377. Tons are of 2,000 pounds

Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue		Year ended June 30—	Total tons of revenue freight carried (thousands)	Tons of revenue freight carried 1 mile (millions)	Freight revenue	
			Amount (1,000 dollars)	Per ton-mile (cents)				Amount (1,000 dollars)	Per ton-mile (cents)
1890	636,542	76,207	714,464	0.941	1896	753,717	95,328	786,616	0.806
1891	675,608	81,074	736,794	.895	1897	728,900	95,139	772,849	.798
1892	706,555	88,241	799,316	.898	1898	863,629	114,078	876,728	.753
1893	745,119	93,588	829,054	.878	1899	943,715	123,667	913,737	.724
1894	638,187	80,335	699,491	.860	1900	1,081,983	141,597	1,049,256	.729
1895	696,761	85,228	729,993	.839					

Source: Interstate Commerce Commission.

No. 411.—REVENUES AND EXPENSES OF OPERATING COMPANIES, 1890 TO 1900

NOTE.—Includes switching and terminal companies. Further data for revenues and expenses are presented in Table 409, p. 380

Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues	Year ended June 30—	Average miles of line (first track) operated	Operating revenues (1,000 dollars)	Operating expenses (1,000 dollars)	Per cent operating expenses of revenues
1890	156,404	1,051,878	692,094	65.80	1896	181,983	1,150,169	772,989	67.20
1891	161,275	1,096,761	731,888	66.73	1897	183,284	1,122,090	752,525	67.06
1892	162,397	1,171,407	780,998	66.67	1898	184,648	1,247,326	817,973	65.58
1893	169,780	1,220,752	827,921	67.82	1899	187,535	1,313,610	856,969	65.24
1894	175,691	1,073,362	731,414	68.14	1900	192,556	1,487,045	961,429	64.65
1895	177,746	1,075,371	725,720	67.48					

Source: Interstate Commerce Commission.

No. 412.—OPERATING REVENUES AND EXPENSES OF ALL CLASSES OF RAILWAYS

Class	1929				1930			
	Operating revenues		Operating expenses		Operating revenues		Operating expenses	
	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total	Amount (1,000 dollars)	Per cent of grand total
Class I	6,279,521	96.81	4,506,056	96.68	5,281,197	96.92	3,930,929	96.71
Class II	76,607	1.18	58,151	1.25	61,039	1.12	49,314	1.21
Class III	16,876	.26	14,955	.32	14,248	.26	13,378	.33
Total	**6,373,004**	**98.25**	**4,579,162**	**98.25**	**5,356,484**	**98.30**	**3,993,621**	**98.25**
Switching and terminal companies	113,171	1.75	81,315	1.75	92,396	1.70	71,005	1.75
Grand total	**6,486,175**	**100.00**	**4,660,477**	**100.00**	**5,448,880**	**100.00**	**4,064,626**	**100.00**

Source: Interstate Commerce Commission.

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No. 413.—INCOME ACCOUNT OF CLASS I CARRIERS: OPERATING ROADS

NOTE.—All figures in thousands of dollars. Switching and terminal companies are excluded

Item	1916–1920 (average)	1921–1925 (average)	1926–1930 (average)	1928	1929	1930	1931 [1]
Revenues	4,763,039	5,881,856	6,038,339	6,111,736	6,279,521	5,281,197	4,188,505
Freight	3,336,480	4,277,134	4,600,341	4,680,456	4,815,448	4,075,698	3,254,809
Passenger	1,005,690	1,100,603	903,748	901,019	872,466	728,488	551,050
Mail	76,508	94,900	111,887	104,385	151,485	111,450	105,429
Express	118,933	137,886	139,570	142,580	148,191	114,664	83,025
All other transportation	92,041	129,878	136,665	140,051	139,551	118,945	98,781
All other	133,387	141,455	146,128	143,245	152,380	131,952	95,411
Expenses	3,879,220	4,583,425	4,421,699	4,427,995	4,506,056	3,930,929	3,229,781
Maintenance, way, etc	663,681	781,577	826,826	837,906	855,355	705,471	530,662
Maintenance, equipment	1,040,185	1,297,802	1,178,252	1,166,942	1,202,912	1,019,265	823,242
Traffic	59,749	93,919	123,608	125,008	130,158	127,834	117,226
Transportation	1,947,814	2,194,358	2,054,865	2,061,141	2,072,043	1,841,728	1,543,604
All other	167,791	215,769	238,148	236,998	245,588	236,631	215,047
Net revenue from railway operations	883,819	1,298,431	1,616,640	1,683,741	1,773,465	1,350,268	958,724
Deduct—							
Tax accruals	219,774	321,536	379,941	389,432	396,683	348,554	303,268
Uncollectible revenues	868	1,895	1,427	1,579	1,163	1,049	893
Equipment rents	25,647	67,659	91,786	92,515	95,417	99,756	99,198
Joint facility rents	20,543	23,742	28,583	27,351	28,504	32,030	35,436
Net railway operating income	616,987	883,599	1,114,903	1,172,864	1,251,698	868,879	519,929

Item	Eastern district			Southern district			Western district		
	1929	1930	1931 [1]	1929	1930	1931 [1]	1929	1930	1931 [1]
Revenues	2,840,428	2,360,480	1,868,462	1,046,451	901,554	739,238	2,392,642	2,019,163	1,580,805
Freight	2,096,611	1,733,361	1,368,501	851,042	744,075	619,346	1,867,795	1,598,262	1,266,962
Passenger	467,229	403,757	317,180	118,804	93,914	66,331	286,433	230,817	167,539
Mail	61,917	42,603	40,847	22,980	18,471	17,609	66,588	50,376	46,973
Express	68,025	51,430	37,083	22,486	16,889	13,070	57,680	46,345	32,872
All other transportation	75,012	64,760	54,808	13,123	11,325	8,960	51,416	42,860	35,013
All other	71,634	64,569	50,043	18,016	16,880	13,922	62,730	50,503	31,446
Expenses	2,070,313	1,793,637	1,466,710	748,737	662,529	564,660	1,687,006	1,474,763	1,198,411
Maintenance, way, etc	360,075	299,179	222,224	148,797	123,419	103,173	346,483	282,873	205,265
Maintenance, equipment	570,677	474,843	375,475	211,685	180,518	149,768	420,550	363,904	297,999
Traffic	49,864	48,999	45,625	23,733	23,597	21,705	56,561	55,238	49,896
Transportation	981,071	864,364	725,979	326,681	297,645	254,306	764,291	679,719	563,319
All other	108,626	106,252	97,407	37,841	37,350	35,708	99,121	93,029	81,932
Net revenue from railway operations	770,115	566,843	401,752	297,714	239,025	174,578	705,636	544,400	382,394
Deduct—									
Tax accruals	164,988	142,601	125,309	72,811	65,177	56,931	158,884	140,776	121,028
Uncollectible revenues	409	443	336	311	181	181	443	425	376
Equipment rents	49,559	50,521	50,613	[2] 3,803	452	4,186	49,661	48,783	44,399
Joint facility rents	13,834	16,666	19,348	2,444	2,930	3,345	12,226	12,434	12,743
Net railway operating income	541,325	356,612	206,146	225,951	170,285	109,935	484,422	341,982	203,848

[1] Water line transportation apportioned to the several accounts; included in "All other" in prior years.
[2] Add.

Source: Interstate Commerce Commission.

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No. 414.—TAXES AND SPECIAL ASSESSMENTS OF CLASS I CARRIERS, BY STATES

NOTE.—Data for 1910 relate to year ended June 30, thereafter to calendar years, and for all years exclude switching and terminal companies and include nonoperating subsidiaries. Data for 1910 include also Class II and Class III and for 1916, Class II. Total railroad taxes, Federal and State, in 1930, by classes were as follows: Class I and subsidiaries, $350,042,367 (including $834,098 Canadian, $1,647 Mexican, and $67 not distributed by States); Class II and subsidiaries, $4,498,206; Class III and subsidiaries, $835,156; switching and terminal companies, $13,963,486; grand total, $369,339,215

State	Amount (thousands of dollars)						Per mile of line (dollars)			
	1910	1916	1920	1925	1929	1930	1910	1920	1925	1930
Total	103,738	162,475	282,751	359,370	397,256	349,207		1,262	1,603	1,519
United States Government taxes	4,315	12,531	50,543	87,680	90,691	40,986		226	391	178
New England:										
Maine	675	1,026	1,725	1,977	1,771	1,908	301	831	977	963
New Hampshire	778	746	1,005	1,042	1,103	1,125	629	827	868	990
Vermont	257	491	451	453	405	407	251	608	592	540
Massachusetts	3,097	2,575	3,339	3,920	4,219	4,709	1,484	1,616	1,929	2,369
Rhode Island	276	397	585	604	664	687	1,302	2,996	3,348	3,933
Connecticut	1,868	1,114	1,975	2,058	2,007	1,672	1,867	1,977	2,138	1,737
Middle Atlantic:										
New York	7,312	11,724	17,861	22,613	25,716	27,378	877	2,271	2,876	3,491
New Jersey	5,066	7,656	11,189	17,355	19,170	20,442	2,290	5,292	8,466	9,951
Pennsylvania	6,352	9,957	9,342	11,134	14,037	12,440	587	945	1,131	1,235
South Atlantic:										
Delaware	161	153	165	182	165	166	482	493	609	567
Dist. of Columbia	56	64	79	126	127	144	1,562	2,291	3,661	4,178
Maryland	1,016	1,211	2,004	1,352	2,052	2,076	742	1,591	1,112	1,829
Virginia	1,756	3,012	4,695	5,614	6,994	7,318	400	1,129	1,375	1,759
West Virginia	1,454	2,355	3,879	6,046	7,206	8,109	463	1,195	1,744	2,193
North Carolina	952	1,706	2,129	4,748	5,317	5,392	220	552	1,322	1,399
South Carolina	764	1,091	1,951	2,840	3,372	3,489	232	623	911	1,106
Georgia	1,386	1,957	2,481	3,310	3,949	3,966	206	455	612	719
Florida	839	1,572	2,167	3,888	5,538	4,964	208	542	879	965
East North Central:										
Ohio	5,457	10,618	16,841	18,518	19,549	19,928	611	2,048	2,184	2,334
Indiana	3,845	5,803	9,422	11,627	13,952	13,852	521	1,328	1,684	2,011
Illinois	5,938	9,049	16,422	21,576	23,336	22,084	501	1,421	1,908	1,827
Michigan	4,052	4,220	7,579	7,656	9,656	10,816	469	1,083	1,076	1,469
Wisconsin	3,162	4,968	6,876	7,295	6,990	7,201	440	995	1,030	1,034
West North Central:										
Minnesota	3,958	6,445	9,753	7,965	8,173	6,778	461	1,151	962	823
Iowa	2,463	3,871	7,855	6,842	7,385	8,026	253	808	706	831
Missouri	1,830	2,258	3,359	3,716	4,182	4,284	230	457	498	566
North Dakota	1,427	2,289	4,997	4,290	4,364	4,110	341	969	834	799
South Dakota	834	1,635	3,718	3,161	2,732	2,696	211	900	752	644
Nebraska	2,031	2,704	4,159	4,747	4,613	4,622	335	677	770	749
Kansas	3,074	4,108	6,188	6,670	9,132	8,871	344	688	727	968
South Central:										
Kentucky	1,073	2,018	2,184	4,246	5,873	5,373	312	624	1,157	1,411
Tennessee	1,181	1,718	2,584	3,107	3,507	3,629	326	702	847	1,002
Alabama	1,410	1,751	2,548	2,687	3,712	3,681	297	560	603	797
Mississippi	997	1,916	3,612	5,064	5,319	5,047	250	942	1,364	1,322
West South Central:										
Louisiana	1,238	2,235	3,788	4,578	5,023	5,098	250	971	1,180	1,280
Texas	2,688	4,656	5,098	6,514	7,307	7,614	196	364	469	494
Oklahoma	2,967	3,653	5,463	5,682	6,009	6,468	499	864	917	994
Arkansas	1,347	2,248	3,912	2,663	3,088	3,025	277	948	622	690
Mountain:										
Montana	1,486	2,781	4,284	4,728	5,108	5,178	356	871	966	1,016
Wyoming	614	901	1,213	1,659	1,965	1,970	384	686	924	1,071
Colorado	1,637	2,451	3,344	3,719	4,119	4,271	306	729	828	972
New Mexico	745	1,179	2,467	2,212	2,849	2,785	254	915	796	993
Arizona	321	1,341	1,572	2,485	3,314	3,100	158	776	1,187	1,403
Utah	692	1,123	1,856	2,161	2,372	2,404	383	907	1,039	1,142
Nevada	668	1,028	1,543	1,762	2,011	1,970	388	942	1,088	1,163
Idaho	714	1,475	3,844	2,872	3,297	3,244	345	1,500	1,099	1,219
Pacific:										
Washington	3,151	4,064	8,795	6,647	7,002	7,430	685	1,698	1,309	1,430
Oregon	913	1,492	2,722	2,736	3,502	3,064	444	1,060	1,025	1,119
California	3,444	5,142	7,187	12,863	13,312	13,210	508	1,071	1,893	1,842

Source: Interstate Commerce Commission.

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No. 415.—REVENUE FREIGHT CARRIED, BY COMMODITY GROUPS

NOTE.—**All figures in thousands of tons of 2,000 pounds.** Data relate to years ended June 30 prior to 1916, to calendar years thereafter. Switching and terminal roads excluded beginning with 1908. Figures for 1911 to 1916 inclusive, exclude Class III roads but this affects the comparability very slightly; those after 1916 exclude freight is both Class II and Class III, thereby reducing the grand total about 6 per cent. Nonrevenue freight excluded; this is a large item in the case of a few commodities, notably coal

Class of road and year or yearly average	Total	Products of agriculture	Animals and products	Products of mines		Products of forests	Manufactures and miscellaneous	
				Coal and coke	Other		Carload shipments	Less than carload
I. REVENUE FREIGHT ORIGINATED								
All roads:								
1901–1905	[1] 691,121	59,406	16,608	237,753	85,803	72,786	119,707	27,800
1906–1910	[1] 930,255	73,864	20,000	324,282	147,864	98,879	162,225	33,991
1911–1915 [2]	[1] 1,053,648	99,095	25,731	392,808	192,058	101,143	181,191	41,314
1916 [2]	[1] 1,293,091	116,867	31,294	461,608	275,543	111,850	239,849	54,420
Class I:								
1916	[1] 1,203,367	113,635	30,473	429,781	250,342	93,819	231,038	52,911
1917	1,264,016	104,629	31,858	481,632	251,021	100,838	240,269	53,769
1918	1,263,344	116,051	35,777	500,769	234,027	97,256	226,077	53,387
1919	1,096,111	115,033	35,494	399,072	190,879	94,076	210,256	51,302
1920	1,255,421	110,840	26,595	489,344	222,810	100,766	251,864	53,202
1921	940,183	114,069	24,263	376,220	135,050	76,419	172,169	41,992
1922	1,023,745	111,787	26,230	351,846	181,152	89,059	220,442	43,229
1923	1,279,030	109,318	28,254	471,854	241,881	115,618	267,767	44,338
1924	1,187,296	116,587	27,747	414,499	223,083	108,094	256,737	40,549
1925	1,247,242	109,313	26,324	424,403	253,933	107,391	285,291	40,587
1926	1,336,142	111,787	26,243	486,944	270,759	104,851	296,067	39,491
1927	1,261,611	113,342	26,003	449,891	263,511	99,351	291,073	38,440
1928	1,285,943	118,022	25,634	432,296	264,287	96,737	312,013	36,954
1929	1,339,091	115,343	24,907	459,397	278,482	94,855	330,064	36,043
1930	1,153,197	110,729	23,129	407,937	234,600	69,370	277,765	29,667
1931	894,186	97,487	21,632	339,536	162,367	43,025	207,366	22,773
Eastern district:								
1929	576,718	20,967	5,853	238,608	81,451	10,531	201,512	17,796
1930	495,974	21,540	5,516	215,128	68,039	8,289	162,740	14,722
1931	386,210	19,298	5,310	181,337	47,069	5,360	116,343	11,493
Southern district:								
1929	295,468	14,865	1,837	168,770	35,971	29,659	37,284	7,082
1930	261,144	14,357	1,689	148,226	36,445	21,160	33,417	5,850
1931	211,007	12,048	1,474	123,357	29,147	13,854	26,449	4,678
Western district:								
1929	466,905	79,511	17,217	52,019	161,060	54,665	91,268	11,165
1930	396,079	74,832	15,924	44,583	130,116	39,921	81,608	9,095
1931	296,969	66,141	114,848	34,842	86,151	23,811	64,574	6,602
II. TOTAL REVENUE FREIGHT [3]								
All roads:								
1901–1905	[1] 1,266,314	125,234	34,506	419,764	150,474	122,927	231,259	51,468
1906–1910	[1] 1,673,431	150,384	38,769	589,884	228,563	168,023	314,007	59,277
1911–1915 [2]	[1] 1,881,635	193,252	44,194	712,193	284,499	183,292	356,669	71,347
Class I:								
1916–1920	[1] 2,212,267	225,505	55,199	826,912	349,783	193,436	466,202	93,550
1921–1925	2,068,262	221,961	46,065	757,498	316,014	192,256	465,097	69,371
1926–1930	2,341,062	221,019	45,054	852,777	395,987	179,554	584,457	62,214
1926	2,465,369	223,924	47,023	926,854	414,723	204,790	579,830	68,225
1927	2,363,639	221,384	46,696	871,713	400,591	192,774	564,643	65,838
1928	2,361,623	225,550	45,724	838,085	396,400	187,347	605,256	63,261
1929	2,451,601	223,264	44,729	878,014	418,797	182,177	642,191	62,430
1930	2,063,078	210,971	41,097	749,218	349,424	130,684	530,368	51,316
1931	1,605,034	187,792	39,549	613,408	237,934	83,998	401,628	40,725
Eastern district:								
1929	1,294,927	67,566	17,962	576,405	172,937	46,426	381,115	32,516
1930	1,055,454	63,146	16,297	482,846	135,754	32,100	298,885	26,426
1931	815,595	56,690	16,282	395,043	85,611	21,772	218,816	21,381
Southern district:								
1929	429,575	33,794	3,888	202,561	50,065	49,524	77,128	12,615
1930	383,374	32,717	3,640	181,707	50,895	35,257	68,530	10,628
1931	308,709	27,738	3,342	152,513	39,789	22,826	53,808	8,693
Western district:								
1929	727,099	121,904	22,878	99,048	195,795	86,227	183,948	17,299
1930	624,250	115,108	21,160	84,665	162,775	63,327	162,953	14,262
1931	480,730	103,364	19,925	65,852	112,534	39,400	129,004	10,651

[1] Includes some undistributed freight. [2] Excluding Class III. [3] Including receipts from connecting lines.
Source: Interstate Commerce Commission.

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No. 416.—REVENUE FREIGHT CARRIED, BY CLASSES OF COMMODITIES: CLASS I CARRIERS

NOTE.—Nonrevenue freight is excluded; this is a large item in the case of a few commodities, notably coal. Switching and terminal roads are excluded

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1931 (thousands of tons of 2,000 pounds)		
	All districts								1931					
	1920	1925	1926	1927	1928	1929	1930	1931	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Grand total, carload and l. c. l.	1,255,421	1,247,242	1,306,142	1,281,611	1,285,943	1,339,091	1,153,197	894,186	386,210	211,007	296,969	815,595	308,709	480,730
Grand total, carload traffic	1,202,219	1,206,655	1,296,651	1,243,171	1,248,989	1,303,048	1,123,530	871,412	374,717	206,328	290,367	794,214	300,016	470,079
Products of agriculture, total	110,340	109,313	111,787	113,343	118,022	111,343	110,728	97,487	19,298	12,048	66,141	56,690	27,738	103,364
Wheat	23,131	21,548	24,379	26,327	25,950	27,019	25,466	26,228	3,135	740	22,353	6,045	2,184	29,822
Corn	12,689	12,680	13,927	13,162	17,045	15,258	13,986	10,728	2,690	1,234	6,804	5,144	1,994	9,302
Oats	8,615	8,450	6,496	5,518	5,888	5,713	5,184	3,969	1,174	662	2,133	2,643	1,206	2,970
Other grain	5,669	4,564	4,014	5,212	5,506	4,477	4,045	2,924	266	91	2,567	730	265	3,444
Flour and meal	10,952	9,901	10,137	10,027	10,753	10,627	10,546	10,067	2,607	881	6,579	9,347	2,985	9,810
Cereal foods and other mill products	8,891	9,578	9,768	10,178	10,581	10,820	10,610	8,783	3,304	893	4,586	7,492	2,098	6,866
Hay, straw, and alfalfa	7,957	5,506	5,028	4,467	3,999	3,697	3,494	2,174	897	88	1,189	1,830	694	1,628
Leaf tobacco [1]	1,081	1,138	1,010	1,053	945	989	1,008	816	100	687	29	255	1,075	35
Cotton	3,379	4,127	4,482	4,180	3,773	3,940	3,032	2,432	71	844	1,517	742	1,900	2,467
Cottonseed and products, except oil	4,573	5,849	6,484	6,046	4,984	5,076	5,065	3,608	19	1,714	1,875	572	2,423	2,886
Citrus fruits	1,404	1,363	1,533	1,750	1,543	2,355	1,734	2,378	27	1,060	1,291	2,595	2,974	4,433
Other fresh fruits	5,271	5,910	6,321	5,648	6,401	5,690	5,919	5,175	1,013	1,376	2,786	5,273	3,144	7,562
Potatoes, except sweet [2]	4,118	4,614	4,339	3,727	4,511	4,425	4,332	4,114	1,564	468	2,082	6,493	1,498	4,991
Other fresh vegetables	2,205	2,828	2,800	3,083	3,124	3,222	3,262	2,927	633	577	1,717	3,460	1,690	5,934
Dried fruits and vegetables	1,165	1,533	1,568	1,527	1,878	1,609	1,674	1,426	358	88	980	1,005	304	2,088
Sugar beets	9,741	9,824	9,501	10,526	5,260	5,348	6,246	5,573	212	----	5,361	273	----	5,882
Other products of agriculture					4,881	5,077	5,125	4,165	1,228	645	2,292	2,791	1,304	3,244
Animals and products, total	26,595	26,324	26,244	26,003	25,634	24,907	23,129	21,632	5,311	1,473	14,848	16,282	3,342	19,925
Horses and mules	936	544	513	541	577	553	440	315	28	38	249	91	96	361
Cattle and calves	9,809	9,330	9,240	8,634	7,977	7,310	6,785	6,097	839	327	4,931	1,752	462	6,468
Sheep and goats	1,344	1,224	1,270	1,297	1,361	1,387	1,385	1,343	175	59	1,109	445	69	1,860
Hogs	5,421	5,502	5,272	5,369	5,871	5,534	4,902	4,501	852	257	3,392	1,830	406	4,019

[1] Includes refuse, stems, etc., prior to 1928.

[2] "Potatoes" prior to 1928.

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No. 416.—Revenue Freight Carried, by Classes of Commodities: Class I Carriers—Continued

Commodity	Revenue freight originated (thousands of tons of 2,000 pounds)											Total revenue freight carried, 1931 (thousands of tons of 2,000 pounds)		
	All districts								1931					
	1920	1925	1926	1927	1928	1929	1930	1931	Eastern district	Southern district	Western district	Eastern district	Southern district	Western district
Animals and products—Continued														
Fresh meats	2,770	2,904	2,996	2,987	2,935	3,007	2,928	2,933	845	238	1,850	3,920	684	2,196
Other packing-house products	2,206	2,139	2,022	1,957	2,203	2,274	1,970	1,833	711	237	885	1,842	903	1,395
Poultry	264	357	409	407	406	417	419	416	69	45	302	728	71	424
Eggs	536	591	644	651	635	588	612	582	91	37	454	906	96	759
Butter and cheese	425	686	725	747	754	793	807	768	141	29	598	1,169	128	789
Wool	293	263	281	356	394	414	354	388	211	8	169	645	51	297
Hides and leather	1,051	1,026	985	1,010	915	913	847	782	425	74	283	1,255	159	409
Other animals and products	1,540	1,758	1,887	2,049	1,606	1,717	1,680	1,674	924	124	626	1,699	217	948
Products of mines, total	712,154	678,336	757,703	713,402	696,583	737,879	642,537	501,903	228,406	152,504	120,993	480,654	192,302	178,386
Anthracite	78,100	58,260	76,015	72,176	69,997	71,931	71,252	65,673	65,317	93	263	100,801	215	632
Bituminous coal	389,349	346,346	388,736	361,551	346,057	368,339	322,150	263,991	108,881	121,996	33,114	283,425	150,417	62,888
Coke	26,895	19,798	22,193	16,164	16,241	19,127	14,536	9,872	7,139	1,268	1,465	10,817	1,881	2,332
Iron ore	84,433	72,134	76,023	66,355	68,684	82,123	59,980	31,073	2,184	1,401	27,488	18,550	1,905	28,061
Copper ore and concentrates	21,550	12,289	13,039	11,335	5,916	7,057	4,525	3,903	8	1	3,894	29	94	5,303
Other ores and concentrates					5,922	7,714	6,957	4,664	2,113	596	1,955	4,037	1,051	3,661
Gravel, sand, and stone [3]	98,720	145,405	157,295	161,776	128,304	121,559	112,196	84,058	26,664	19,367	38,027	33,855	25,226	50,625
Crude petroleum	6,435	11,245	10,744	10,531	7,633	6,630	6,598	7,448	173	190	7,085	956	319	12,245
Asphaltum	1,424	2,531	3,101	3,170	2,899	3,196	2,925	2,746	1,712	479	555	2,993	882	1,268
Salt	3,250	3,403	3,238	3,251	3,341	3,183	2,952	2,834	1,380	31	1,423	3,427	931	2,934
Phosphate rock, crude	6,997	6,925	7,319	7,094	4,801	5,165	5,712	3,930	51	3,731	148	174	4,068	285
Sulphur					1,811	2,253	1,934	1,259	152	37	1,070	341	162	1,866
Other products of mines [3]					34,977	39,602	30,820	20,452	12,632	3,314	4,506	21,249	5,151	6,286
Products of forests, total	100,766	107,391	104,851	99,351	96,737	94,855	69,371	43,024	5,359	13,854	23,811	21,772	22,826	39,400
Logs, posts, poles, piling, and cordwood	38,571	45,428	45,163	41,676	39,541	39,611	28,451	14,792	815	3,019	10,958	2,079	3,653	13,531
Ties	5,472	4,292	4,833	5,338	4,240	4,024	3,522	1,527	264	599	664	721	794	999
Pulp wood	4,992	5,826	5,943	6,989	6,893	6,781	6,524	4,797	1,335	1,043	2,419	2,583	1,613	3,436
Lumber, shingles, lath, cooperage materials, veneer, etc	48,618	49,019	46,062	42,846	42,776	40,937	27,800	19,497	2,005	8,203	9,289	13,989	15,292	20,712
Other forest products	3,112	2,826	2,850	2,501	3,287	3,502	3,074	2,411	940	990	481	2,400	1,474	722

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Manufactures and miscellaneous, total	**251,864**	**285,291**	**296,066**	**291,073**	**312,013**	**330,064**	**277,765**	**207,366**	**116,343**	**26,449**	**64,574**	**218,816**	**53,808**	**129,004**
Refined petroleum and its products	29,616	46,273	48,938	51,661	58,480	64,240	62,901	55,615	20,951	5,937	28,727	38,176	12,940	56,964
Vegetable oils	938	1,446	1,621	1,893	1,561	1,733	1,602	1,428	355	440	633	1,037	842	1,192
Sugar, sirup, glucose, and molasses	5,664	5,700	5,714	5,582	5,605	5,858	5,659	5,142	1,522	798	2,822	3,143	2,101	5,478
Iron, pig [4]	16,451	14,577	15,132	11,488	8,033	8,000	5,140	3,139	1,973	907	259	3,057	1,164	568
Scrap iron and steel	(5)	(5)	(5)	(5)	11,746	13,527	9,901	6,032	4,917	394	721	7,314	638	966
Iron and steel (6th class, n. o. s.)	(5)	(5)	(5)	(5)	5,130	5,746	3,680	2,081	2,049	15	17	3,001	60	72
Rails, fastenings, frogs, and switches [6]	3,047	2,646	2,875	2,595	2,551	2,658	1,778	1,063	857	106	100	1,292	258	564
Iron and steel pipes and fittings [7]	27,443	29,144	30,568	31,878	6,945	7,670	6,442	4,101	2,588	655	858	5,584	1,459	3,655
Iron and steel (5th class, n. o. s.) [7]					33,386	37,427	26,745	16,877	15,102	691	1,084	24,424	1,786	3,805
Iron and steel nails and wire	(5)	(5)	(5)	(5)	1,667	1,873	1,372	1,015	767	55	193	1,400	152	470
Copper: Ingot, matte, and pig	5,170	5,419	5,604	2,898	999	1,108	665	352	115	11	226	592	16	847
Lead and zinc: Ingot, pig, or bar					1,218	1,338	1,124	908	392	7	509	1,106	107	1,206
Other metals, pig, bar, sheet, etc					431	525	379	306	109	4	193	317	26	346
Machinery and boilers [8]	9,391	5,359	5,772	5,176	3,772	3,931	3,072	1,943	1,370	124	449	2,893	461	1,132
Cement	15,400	24,516	24,921	25,889	26,080	25,608	23,180	18,392	8,736	2,528	7,128	17,760	5,203	11,419
Brick and artificial stone	15,251	19,668	20,337	19,556	19,019	17,216	12,595	7,723	4,495	1,433	1,795	8,025	2,238	3,212
Lime and plaster	4,410	6,830	6,642	6,092	5,300	4,803	3,452	2,600	1,530	350	720	2,835	799	1,507
Sewer pipe and drain tile	2,165	2,426	2,387	2,712	2,556	2,708	1,946	1,197	691	176	330	1,448	333	544
Agricultural implements and vehicles other than automobiles [9]	3,324	2,281	2,304	3,118	1,903	2,136	1,657	766	245	59	462	665	168	826
Automobiles, autotrucks, parts, tires, etc	3,427	6,980	7,387	6,324	8,752	10,423	6,624	4,286	3,501	189	596	7,267	1,059	2,388
Furniture	743	970	987	1,004	1,063	1,102	733	564	225	179	160	772	395	394
Beverages	1,240	841	760	804	813	774	893	654	235	66	353	499	108	514
Ice	5,795	4,928	4,145	4,062	3,922	3,310	2,578	2,262	915	223	1,124	1,075	245	1,187
Fertilizers	9,204	8,463	8,197	10,465	12,859	13,276	12,302	8,524	3,119	3,875	1,530	5,309	5,557	2,649
Printing paper [10]	3,144	3,328	3,441	3,322	3,303	3,480	3,399	2,983	2,217	171	595	7,514	441	1,903
Chemicals and explosives [11]	8,348	9,579	10,084	9,116	2,979	3,213	2,672	2,152	1,085	492	575	1,810	867	818
Textiles	805	966	933	785	937	941	710	613	159	335	119	501	691	299
Canned food products	3,074	4,144	4,070	4,204	4,805	5,029	4,751	3,954	1,810	254	1,890	4,337	697	3,612
Furnace slag	77,814	78,807	83,217	80,447	8,784	9,835	11,000	4,401	3,661	721	19	4,281	1,240	39
Paper board, pulpboard and wall board (paper)					2,317	2,511	2,241	2,037	1,255	464	318	2,799	847	792
Building paper and prepared roofing materials					2,035	2,325	1,687	1,234	799	97	338	1,495	323	624
Other manufactures and miscellaneous					63,062	66,338	54,885	43,022	28,598	4,693	9,731	57,088	10,587	18,922
Merchandise—all l. c. l. freight	**53,202**	**40,587**	**39,491**	**38,440**	**36,954**	**36,043**	**29,667**	**22,774**	**11,493**	**4,679**	**6,602**	**21,381**	**8,693**	**10,651**

[3] "Gravel, sand, and stone" includes clay prior to 1928 which is reported with "Other products of mines" in 1928 and thereafter. [4] Includes bloom prior to 1928.
[5] Not reported separately. [6] "Rails and fastenings" prior to 1928. [7] "Bar, sheet, and structural iron and pipe" prior to 1928. [8] Includes castings prior to 1928.
[9] Includes railway car wheels, axles and trucks prior to 1928. [10] "Paper, printed matter, and books" prior to 1928. [11] Data beginning 1928 not comparable with prior years.

Source: Interstate Commerce Commission.

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No. 417.—CAR LOADINGS: Average Weekly Loadings of Revenue Freight, Class I Railways, by Principal Commodity Groups

Note.—Averages for earlier years for all commodities are: 1918, 857,540; 1919, 804,472; 1920, 867,663; 1921, 756,215; 1922, 830,915; 1923, 957,925; 1924, 933,354; 1925, 985,080; 1926, 1,021,131

Month	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
	Total, all commodities					Grain and grain products				
Year	**992,996**	**992,113**	**1,015,922**	**882,269**	**716,776**	**45,745**	**48,326**	**46,081**	**43,565**	**39,053**
January	939,165	862,224	892,864	849,310	698,108	44,747	46,920	45,524	40,282	39,109
February	950,480	897,686	941,534	876,725	708,920	43,408	46,874	47,165	43,889	41,162
March	996,509	950,512	963,187	878,933	734,944	39,061	47,499	42,642	38,982	38,333
April	968,897	935,077	997,286	904,740	746,430	37,131	39,784	35,978	39,126	37,662
May	1,027,118	1,001,289	1,036,480	918,690	747,295	39,738	40,776	37,973	37,646	36,067
June	999,171	984,823	1,072,970	929,746	747,937	40,205	34,482	44,610	41,519	34,996
July	978,440	986,010	1,040,020	888,902	732,692	46,477	51,587	61,710	58,326	54,975
August	1,062,462	1,069,681	1,120,141	934,366	749,457	55,084	57,714	63,222	60,788	45,651
September	1,097,621	1,117,635	1,135,572	931,422	726,988	58,829	59,618	49,866	47,293	37,243
October	1,116,218	1,175,970	1,169,853	950,270	762,691	54,813	54,830	46,437	41,597	38,519
November	955,726	1,028,842	978,031	797,836	654,926	45,641	52,640	38,415	36,487	36,201
December	835,055	879,259	834,584	695,396	568,306	44,022	47,175	39,444	35,587	27,941
	Livestock					Coal				
Year	**29,749**	**29,248**	**27,292**	**24,714**	**22,412**	**177,562**	**168,625**	**174,909**	**152,443**	**125,604**
January	32,330	31,912	29,486	27,229	24,742	222,743	177,538	202,422	196,455	154,593
February	27,687	32,514	26,420	25,183	22,023	213,204	170,025	211,006	166,026	137,134
March	27,255	28,670	24,221	23,056	19,841	204,142	163,002	156,504	137,296	130,969
April	27,585	26,344	26,720	24,102	21,281	154,326	145,132	146,057	132,818	114,608
May	28,846	26,667	25,672	23,444	21,128	161,636	157,574	154,706	138,261	115,578
June	26,935	25,204	23,577	21,598	18,626	151,047	145,026	155,056	135,256	110,644
July	25,488	22,752	23,008	20,074	17,783	144,240	142,903	146,522	130,606	108,169
August	28,074	25,356	24,271	21,108	21,235	173,988	165,525	168,475	145,740	118,842
September	31,750	34,231	30,921	26,959	24,100	183,028	181,082	187,934	151,277	124,237
October	39,578	38,668	37,284	32,277	29,018	190,665	206,574	203,957	174,528	145,456
November	33,642	31,849	31,383	26,860	25,905	169,253	193,737	185,597	158,748	121,376
December	28,869	28,292	25,448	23,389	21,639	164,385	177,181	189,261	151,001	117,634
	Coke					Ore				
Year	**10,547**	**10,264**	**12,201**	**9,382**	**6,297**	**36,380**	**36,726**	**43,876**	**31,955**	**16,867**
January	12,176	10,659	12,071	11,346	8,896	9,461	8,199	8,910	8,268	5,142
February	12,361	11,537	13,392	11,399	8,745	10,688	8,098	9,244	8,641	5,567
March	12,303	10,875	12,834	9,982	7,889	10,920	8,564	11,423	9,103	5,830
April	11,447	10,118	12,066	10,020	6,881	25,473	10,263	27,670	12,701	7,248
May	10,693	10,152	12,508	9,674	6,691	59,883	41,299	71,454	50,951	16,004
June	10,367	9,664	12,306	9,463	5,488	64,742	65,597	76,481	62,528	29,788
July	9,669	8,812	11,874	8,438	4,816	63,003	62,538	76,359	61,250	34,739
August	9,691	9,349	11,971	8,312	4,606	62,188	64,340	75,762	56,956	35,039
September	9,780	10,138	11,904	8,203	4,788	55,897	62,742	68,650	48,780	30,276
October	9,447	10,726	12,172	8,876	5,557	48,046	60,246	60,041	37,824	20,412
November	9,067	10,651	11,610	8,047	5,318	19,291	32,565	29,216	14,295	6,272
December	9,597	10,641	11,668	8,549	5,754	8,370	10,223	8,219	5,620	3,810
	Forest products					Miscellaneous and L. C. L.				
Year	**65,819**	**63,986**	**62,469**	**45,564**	**28,525**	**627,193**	**634,938**	**649,094**	**574,646**	**478,017**
January	64,344	58,280	54,240	46,173	31,299	553,364	528,717	540,211	519,557	434,327
February	68,896	67,779	60,224	57,704	34,600	574,236	560,857	574,084	563,884	459,689
March	70,522	68,729	67,013	58,076	34,406	632,306	623,173	648,551	602,438	497,687
April	68,439	64,331	69,596	57,436	32,606	644,496	639,104	679,199	628,528	526,144
May	71,026	67,392	68,636	52,941	33,070	655,296	657,428	665,531	605,772	518,758
June	67,690	65,825	70,306	49,657	31,268	638,184	639,024	690,634	609,725	514,627
July	63,344	59,669	61,312	39,956	26,554	626,220	637,501	659,234	570,154	485,656
August	68,964	66,412	68,761	41,421	27,612	664,474	680,985	707,679	600,041	496,489
September	67,633	63,632	62,963	40,391	26,062	690,706	706,193	723,335	608,519	480,282
October	67,172	66,172	63,622	39,367	24,550	706,497	798,754	746,340	616,007	499,179
November	61,097	63,525	55,075	33,970	21,873	617,734	643,895	626,736	519,428	437,981
December	52,050	53,948	45,485	30,263	17,794	527,761	551,798	514,558	440,988	373,734

Source: American Railway Association.

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No. 418.—STEAM RAILWAY ACCIDENTS, BY CAUSES

NOTE.—See headnote to Table 419

Cause of accident	Killed					Injured				
	1921-1925, average	1926-1930, average	1929	1930	1931	1921-1925, average	1926-1930, average	1929	1930	1931
All accidents	6,618	6,480	6,496	5,481	5,099	141,688	89,404	76,995	49,430	35,656
Train accidents	394	308	326	296	229	4,409	2,985	3,284	1,782	1,208
Passengers	72	30	36	7	4	2,423	1,455	1,742	790	493
Employees	237	164	160	131	95	1,597	1,132	1,030	641	434
Other persons	85	114	130	158	130	389	398	512	351	281
Causes:										
Collisions	139	89	85	56	39	2,071	1,391	1,212	677	485
Passengers	37	11	1	1	1	1,172	710	513	338	244
Employees	89	70	76	50	33	764	526	437	271	188
Other persons	14	8	8	5	5	135	155	262	68	53
Derailments	197	139	156	146	108	2,109	1,379	1,871	894	583
Passengers	34	18	35	6	3	1,212	718	1,202	429	232
Employees	111	66	63	52	43	690	487	501	271	190
Other persons	52	55	58	88	62	208	173	168	194	161
Other causes	58	81	85	94	82	228	215	201	211	140
Passengers	2	1	------	------	------	39	27	27	23	17
Employees	36	28	21	29	19	143	119	92	99	56
Other persons	20	52	64	65	63	46	69	82	89	67
Train-service accidents	5,794	5,796	5,806	4,875	4,624	44,420	35,395	33,415	23,780	18,849
Passengers	100	63	61	43	36	3,155	2,208	2,101	1,875	1,609
Employees	1,088	940	977	610	419	31,563	23,275	21,151	13,074	9,142
Other persons	4,605	4,793	4,768	4,222	4,169	9,701	9,912	10,163	8,831	8,098
Causes:										
Coupling or uncoupling locomotives or cars	80	48	59	30	12	1,624	1,124	965	604	394
Coupling or uncoupling air hose	22	19	20	7	13	435	353	328	232	175
Operating locomotives	20	16	17	17	7	6,259	3,731	3,160	1,929	1,406
Operating hand brakes	30	30	37	26	18	2,090	1,875	1,755	1,154	824
Operating switches	2	1	1	2	------	965	747	729	378	245
Contact with fixed structures	69	57	43	57	60	836	534	460	358	335
Getting on or off cars or locomotives	484	419	412	441	447	9,125	7,084	6,522	5,010	4,096
Highway grade-crossing accidents [1]	1,997	2,315	2,399	1,908	1,720	5,826	6,400	6,673	5,377	4,533
Struck or run over, not at public crossings	[2]2,415	2,267	2,188	1,828	1,730	[2]2,079	1,721	1,611	1,276	1,022
Miscellaneous	1,157	625	630	559	617	15,595	11,824	11,212	7,462	5,819
Nontrain accidents	430	376	364	310	246	92,860	51,024	40,296	23,868	15,599
Passengers	[2]4	2	3	------	1	[2]634	595	528	515	587
Employees	329	288	287	233	162	90,630	48,990	38,558	22,157	13,782
Other persons	97	85	74	77	83	1,724	1,440	1,210	1,196	1,230

[1] Excludes persons killed and injured at highway grade crossings in connection with derailments and miscellaneous train accidents.

[2] Average for 1922 to 1924. Separate data not available for 1921

Source: Interstate Commerce Commission.

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No. 419.—PERSONS KILLED AND INJURED IN RAILWAY ACCIDENTS

NOTE.—For various reasons, including the fact that returns were required under different acts, the statistics are not strictly comparable. Prior to 1921, train accidents were those causing damage to railway property in excess of $150 or any damage and a resulting casualty. Thereafter they were considered as such when the damage exceeded $150 with or without a casualty. Where the damage is less than $150 and there is a reportable casualty it is classified as a train-service accident. Figures for years 1911–1915 include industrial and other nontrain accidents to employees only, and for years 1908–1910 do not cover switching and terminal roads. Otherwise the statement covers all reportable accidents

Yearly average or year ended—	Total		Passengers		Employees		Other persons		Trespassers[1]	
	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured	Killed	Injured
June 30:										
1891–1895	6,821	35,313	292	2,967	2,315	27,051	4,214	5,294	.....	.....
1896–1900	6,946	42,248	222	3,237	2,054	32,793	4,670	6,219	.....	.....
1901–1905	9,326	72,943	392	7,894	3,249	57,209	5,686	7,840	.....	.....
1906	10,618	97,706	359	10,764	3,929	76,701	6,330	10,241	.....	.....
1907	11,839	111,016	610	13,041	4,534	87,644	6,695	10,331	.....	.....
1908	10,188	104,230	381	11,556	3,405	82,487	6,402	10,187	.....	.....
1909	8,722	95,626	253	10,311	2,610	75,006	5,859	10,309	.....	.....
1910	9,682	119,507	324	12,451	3,382	95,671	5,976	11,385	.....	.....
1911	10,396	150,159	299	12,042	3,602	126,039	6,495	12,078	.....	.....
1912	10,585	169,538	283	14,938	3,635	142,442	6,667	12,158	.....	.....
1913	10,964	200,308	350	15,130	3,715	171,417	6,899	13,761	.....	.....
1914	10,302	192,662	232	13,887	3,259	165,212	6,811	13,563	.....	.....
1915	8,621	162,040	199	10,914	2,152	138,092	6,270	13,034	.....	.....
Dec. 31:										
1916	10,001	196,722	246	7,152	2,941	176,923	6,814	12,647	.....	.....
1917	10,087	194,805	301	7,582	3,199	174,247	6,587	12,976	.....	.....
1918	9,286	174,575	471	7,316	3,419	156,013	5,396	11,246	.....	.....
1919	6,978	149,053	273	7,456	2,138	131,018	4,567	10,579	.....	.....
1920	6,958	168,309	229	7,591	2,578	149,414	4,151	11,304	.....	.....
1921	5,996	120,685	205	5,584	1,446	104,530	4,345	10,571	.....	.....
1922	6,325	134,871	203	6,712	1,657	117,197	1,967	7,834	2,498	3,128
1923	7,385	171,712	143	6,463	2,026	152,678	2,397	9,279	2,819	3,292
1924	6,617	143,739	153	6,023	1,543	125,319	2,300	9,268	2,621	3,129
1925	6,766	137,435	176	5,643	1,599	119,224	2,347	9,640	2,644	2,928
1926	7,090	130,235	155	5,149	1,672	111,903	2,640	10,387	2,623	2,796
1927	6,821	104,799	82	4,560	1,566	88,223	2,519	9,020	2,654	2,996
1928	6,509	85,561	85	4,027	1,327	70,246	2,718	8,652	2,379	2,636
1929	6,496	76,995	100	4,371	1,424	60,739	2,665	9,308	2,307	2,577
1930	5,481	49,430	50	3,180	974	35,872	2,153	7,430	2,304	2,948
1931	5,099	35,656	41	2,689	676	23,358	1,981	6,288	2,401	3,321

[1] Trespassers included with "other persons" prior to 1922.

No. 420.—CONSUMPTION OF FUEL AND REPLACEMENTS OF RAILS AND TIES: CLASS I CARRIERS

NOTE.—Rails and ties laid in new construction are not included. A short ton is 2,000 pounds; a long ton, 2,240 pounds

	All districts			1930		
	1928	1929	1930	Eastern district	Southern district	Western district
Consumption of fuel by locomotives:						
Anthracite, 1,000 short tons	1,490	1,579	1,140	1,140	.....	.....
Bituminous coal, do	112,382	113,894	98,400	47,188	21,752	29,460
Fuel oil[1], 1,000 gallons	2,498,144	2,628,414	2,366,569	8,913	33,628	2,324,028
Hardwood[1], cords	25,231	19,499	12,642	3,962	8,437	243
Softwood[1], do	55,995	52,815	44,134	21,528	2,593	20,013
Total, coal equivalent[2], 1,000 short tons	**129,742**	**132,137**	**114,458**	**48,396**	**21,959**	**44,103**
Rails laid in replacement and betterment:						
Total tonnage, 1,000 long tons	3,806	3,610	2,674	1,233	502	939
Total charges[3], 1,000 dollars	138,652	130,397	98,521	43,406	18,068	37,047
Ties laid in previously constructed tracks:						
Crossties, thousands	77,371	74,679	63,354	16,070	15,027	32,257
Switch and bridge ties, 1,000 board feet	[4] 269,149	[4] 250,063	235,315	77,316	62,857	95,142
Total charges[3], 1,000 dollars	[4] 118,044	[4] 111,825	94,207	32,316	20,019	41,872

[1] The ratio of fuel oil to coal is based upon the experience of the various roads; 1 cord of hardwood equals two-thirds ton of coal; 1 cord of softwood equals one-half ton of coal.
[2] Totals include equivalent of a small amount of miscellaneous fuel.
[3] The total charges shown do not include the labor cost of applying the rails or ties.
[4] Figures do not include data for 279 linear feet of steel ties in 1928, and 156 in 1929.

Source of Tables 419 and 420: Interstate Commerce Commission.

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No. 421.—EXPRESS COMPANIES: INCOME ACCOUNT

NOTE.—**In thousands of dollars.** Mileage operated by express companies, 1931: Total, 271,788; steam road, 228,870; electric line, 2,573; steamboat line, 26,275; airplane, 10,443; stage line, 3,627. The Railway Express Agency, Inc., operates 261,574 miles, and the Southeastern Express Co., 10,214 miles.

[All figures in thousands of dollars]

Calendar year	Receipts for transportation	Paid for express privileges	Total operating revenues [1]	Operating expenses	Net operating revenues	Express taxes	Operating income [2]	Other income	Net income [3]
American Railway Express Co.:									
1921	294,664	113,491	184,897	182,265	2,631	2,095	508	2,074	2,309
1922	291,349	142,323	152,503	149,142	3,361	2,214	1,108	1,956	2,774
1923	309,579	155,736	157,444	154,446	2,998	2,138	834	1,851	2,460
1924	287,281	139,997	150,640	147,447	3,193	2,102	1,045	1,458	2,282
1925	290,303	143,832	149,715	146,433	3,282	2,059	1,195	1,088	2,184
1926	294,519	147,812	150,097	146,825	3,272	2,143	1,110	1,237	2,318
1927	284,513	139,494	148,730	145,467	3,263	2,197	1,050	1,204	2,207
1928	281,545	141,288	143,877	140,675	3,202	2,038	1,146	1,216	2,321
1929 [4]	41,104	18,554	23,083	22,560	523	327	193	193	381
Railway Express Agency, Inc.:									
1929 [5]	242,216	127,591	117,628	115,535	2,093	1,343	734	687	20
1930	237,488	112,366	128,470	125,821	2,649	1,375	1,259	509	36
1931	192,044	81,221	113,997	111,181	2,816	1,343	1,457	302	4
Southeastern Express Co.:									
1921 [6]	4,374	1,649	2,781	2,719	61	25	37	10	47
1922	7,103	3,320	3,880	3,750	130	79	50	20	70
1923	7,866	3,877	4,097	3,908	189	88	99	24	123
1924	7,910	3,755	4,266	4,103	163	109	51	19	70
1925	8,041	3,912	4,241	4,086	155	86	67	20	87
1926	8,257	4,021	4,357	4,196	161	83	76	24	100
1927	8,176	3,971	4,342	4,188	154	88	62	28	90
1928	7,870	3,738	4,268	4,126	142	100	40	30	70
1929	8,007	3,900	4,244	4,098	146	110	35	38	73
1930	6,764	2,940	3,936	3,803	133	97	35	35	70
1931	5,603	2,117	3,585	3,443	142	89	51	17	68

[1] Includes revenues from sources other than transportation.
[2] Deducting, besides taxes, a small amount of uncollectible revenue.
[3] Sum of two preceding columns less small deductions.
[4] Result of operations for two months ended Feb. 28, 1929.
[5] Result of operations for ten months ended Dec. 31, 1929.
[6] Result of operations for eight months ended Dec. 31, 1921.

No. 422.—THE PULLMAN CO.: ABSTRACT OF OPERATIONS

[All money figures in thousands of dollars]

Year ended—	Gross revenues, car operations	Association revenues, debtor	Contract revenues, debtor [1]	Expenses, car operations		Net revenues, car operation	Operating income	Revenue passengers carried	
				Total	Conducting car operations			Thousands	Number per car day
June 30:									
1910	35,334	66	893	23,962	[2]	11,372	13,151	20,203	14
1915	38,723	467	1,954	26,633	11,716	12,090	10,816	24,252	12
1916	43,347	487	3,239	28,836	12,762	14,511	13,017	26,782	12
Dec. 31:									
1916	44,203	482	2,694	30,879	13,457	13,324	11,745	27,866	12
1917	51,777	102	4,498	35,449	16,047	16,328	12,469	32,261	14
1918	49,967	----	3,918	40,593	20,202	9,374	7,763	28,751	13
1919	69,071	----	31	48,618	26,392	20,453	19,194	37,346	15
1920	72,124	----	13,155	61,031	30,805	11,093	9,304	39,255	16
1921	64,439	----	7,079	64,744	28,136	[3] *505*	[3] *5,277*	31,225	13
1922	65,582	----	8,379	53,029	26,022	12,553	8,540	31,748	13
1923	72,576	----	8,555	55,885	27,365	16,691	12,289	34,249	13
1924	72,758	----	9,075	61,609	30,023	11,149	7,755	34,086	12
1925	80,198	----	8,873	63,513	32,247	16,685	12,546	35,526	12
1926	81,834	----	9,463	68,204	35,009	13,630	9,565	36,073	11
1927	80,952	----	8,906	66,503	34,848	14,449	10,360	35,197	11
1928	80,846	----	8,604	66,656	34,935	14,190	10,938	33,924	11
1929	82,384	----	8,704	69,490	36,191	12,894	9,185	33,434	10
1930	76,234	----	5,534	68,960	35,379	7,274	4,937	29,360	9
1931	62,558	----	2,573	57,243	27,386	5,315	3,009	22,985	9

[1] Amounts due other carriers under the provisions of definite contracts. [2] Not separated. [3] Deficit.

Source of Tables 421 and 422: Interstate Commerce Commission.

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No. 423.—THE ALASKA RAILROAD TRAFFIC: Analysis of Statistics of Passenger and Freight Services, Years Ended June 30

	1930	1931		1930	1931
Road mileage operated—monthly average	551.8	519.9	FREIGHT TRAFFIC		
PASSENGER TRAFFIC			Freight train-miles	96,344	68,519
			Mixed train-miles	68,571	8,456
Passenger train-miles [1]	97,736	94,315	Loaded cars, 1 mile, freight and mixed trains	1,369,448	1,105,826
Mixed train-miles	68,571	8,456	Empty cars, 1 mile, freight and mixed trains	802,663	737,399
Passenger car-miles, passenger trains [1]	171,973	204,001	All cars, 1 mile	2,172,111	1,843,225
Passenger car-miles, mixed trains	134,508	9,378	Tons of revenue freight carried:		
Total revenue passengers carried	43,283	51,217	Coal	57,766	72,415
Revenue passengers carried 1 mile	3,480,736	2,855,129	Miscellaneous	34,545	29,064
Total passenger revenue	$200,434	$191,475	Tons of revenue freight carried 1 mile	16,130,789	16,434,729
Average revenue per passenger per mile	$0.05758	$0.06706	Total freight revenue	$677,752	$688,440
			Average revenue per ton per mile	$0.04202	$0.04188

[1] Including motor miles.

Source: Department of the Interior.

No. 424.—ELECTRIC RAILWAYS: Summary of Operations

NOTE.—This table does not include the electric operations of steam railway companies. Many electric railway companies also engage in other operations, especially in the sale of current for light and power; wherever possible, such light and power business has been excluded, but for numerous companies this is impossible. No distinction can be made in the statistics between purely urban street railways and suburban and interurban lines. The insignificant amount of business still conducted by cable and animal traction is included, as well as some operations conducted by primarily electric railways by means of steam traction and gasoline engine cars. In the trackage statistics of this table, each track of a double or multiple line is counted separately. Mileage figures expressed in nearest mile

	1890	1902	1907	1912	1917	1922	1927
Number of companies	789	987	1,236	1,260	[1] 1,307	[1] 1,200	[1] 963
Miles of all track operated	8,123	22,577	34,382	41,065	44,835	43,932	40,722
Operated by:							
Electricity	1,262	21,902	34,038	40,808	44,677	43,789	40,585
Cable	488	241	62	56	45	46	43
Animal traction	5,661	259	136	58	11	4	----------
Steam	711	170	105	76	41	1	17
Gasoline-engine cars	----------	[2] 6	41	66	56	[3] 86	[3] 77
Gravity	----------	----------	----------	----------	6	6	----------
Value of road and equipment (thousand dollars)	389,357	2,167,634	3,637,669	4,596,563	5,136,442	5,058,762	([4])
Number of employees	70,764	140,769	221,429	282,461	294,826	300,523	267,115
Number of passenger cars	32,505	60,290	70,016	76,162	79,914	77,301	70,309
Revenue passengers, including pay transfer [5] (thousands)	2,023,010	4,774,212	7,441,115	9,545,555	11,304,660	12,666,558	12,174,592
Operating revenues (thousand dollars)	90,617	247,554	418,188	567,512	709,825	1,016,719	927,774
Operating expenses (thousand dollars)	62,011	142,313	251,309	332,896	452,595	727,795	694,460
Operating ratio (per cent)	68.4	57.5	60.1	58.7	63.8	71.6	74.9

[1] Includes companies maintaining separate organizations, though leased to and controlled through stock ownership by other companies, largely in Pennsylvania. In 1907 and 1912 these companies were treated as merged and not included in the number reported.

[2] Compressed air.

[3] Includes 1.26 miles of nonelectric track in 1922, 1.20 miles in 1927.

[4] Complete data not available. In 1927 a number of composite companies included the value of electric railway road and equipment in the value of their entire plant and equipment reported on their combined balance sheet on the light and power schedule and advised that this could not be separated. Statistics for Central Light and Power Stations include their combined figures.

[5] Not including motor-bus passengers.

Source: Bureau of the Census, Department of Commerce.

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No. 425.—ELECTRIC RAILWAYS: MILEAGE, EQUIPMENT, OUTPUT OF ELECTRICITY, TRAFFIC, EMPLOYEES, AND SALARIES AND WAGES

NOTE.—See headnote to Table 424

	All companies					Surface lines	
	1907	1912	1917	1922	1927	1922	1927
Number of operating companies	945	975	943	858	682	851	678
Miles of all track [1]	34,404	41,065	44,835	43,932	40,722	43,074	39,851
First track (length of line)	25,547	30,438	32,548	31,264	27,948	(2)	27,667
Second and other tracks	8,856	10,627	12,288	12,668	12,775	(2)	12,184
Electric track with—							
Overhead trolley	32,502	38,958	42,491	41,418	[3] 38,246	41,368	[3] 38,225
Third rail and conduit trolley	1,532	1,747	2,051	2,314	2,270	1,487	1,419
Other (electric)	26	103	137	78	[3] 95	78	[3] 95
Number of cars	83,641	94,016	102,603	99,255	93,246	91,159	84,592
Passenger	70,016	76,162	79,914	77,301	70,309	69,397	61,881
Express, freight, and mail	5,669	7,794	11,534	11,406	13,337	11,406	13,337
Service cars	7,956	10,060	11,155	10,548	9,600	10,356	9,374
Number of electric locomotives	117	277	357	404	462	404	456
Horsepower of power-plant equipment [4] [5]	2,519,823	3,661,385	4,200,192	4,119,306	2,025,821	(2)	(2)
Steam turbines	535,404	1,462,800	2,322,692	2,856,006	1,561,457	(2)	(2)
Other steam engines [5]	1,876,123	1,703,088	1,221,223	827,027	420,889	(2)	(2)
Internal-combustion engines	16,335	24,190	28,294	32,495	7,700	(2)	(2)
Water wheels and turbines	91,961	471,307	627,983	403,778	35,775	(2)	(2)
Kilowatt capacity of generators [4]	1,723,416	2,505,316	2,924,779	2,972,834	1,470,904	(2)	(2)
Electric energy (1,000 kilowatt-hours) [4]	----------	9,020,018	12,187,851	12,405,053	9,389,597	(2)	(2)
Generated [4]	4,759,130	6,002,659	7,240,503	6,473,451	2,975,863	(2)	(2)
Purchased	([6])	3,017,359	4,947,348	5,931,602	6,413,734	(2)	(2)
Passengers carried (thousands) [7]	9,533,081	12,135,342	14,506,915	15,331,400	14,901,435	13,586,232	12,678,849
Revenue passengers, including pay transfer	7,441,115	9,545,555	11,304,661	12,666,558	12,174,592	10,923,274	9,953,798
Free-transfer passengers	1,995,658	2,425,918	3,021,138	2,496,570	2,571,249	2,662,958	(2,570,937
Free passengers	96,308	165,869	181,116	168,272	155,594		(154,114
Revenue car mileage (thousands)	1,617,731	1,921,620	2,139,802	2,124,523	2,163,773	1,821,177	1,786,560
Passenger	1,583,831	1,885,870	2,087,819	2,068,294	2,084,566	1,764,948	1,707,353
Express, freight, and mail	33,900	35,750	51,983	56,229	79,207	56,229	79,207
Average number of revenue passengers:							
Per mile of all track [8]	216,522	232,556	252,323	288,600	299,733	253,842	259,826
Per passenger car hour	43.06	48.38	53.69	61.14	59.68	(2)	57.66
Revenue car-hours (thousands)	151,339	190,478	203,057	201,838	202,513	----------	178,837
Passenger	148,678	187,590	199,053	197,146	196,464	----------	172,788
Express, freight and mail	2,661	2,888	4,004	4,692	6,049	----------	6,049
Salaried employees:							
Number	11,700	23,271	27,151	30,239	27,845	28,867	26,374
Salaries (thousand dollars)	12,909	26,129	33,910	57,489	56,647	54,481	52,770
Wage earners:							
Number	209,729	259,190	267,675	270,284	239,270	244,277	211,315
Wages (thousand dollars)	138,082	174,762	233,331	388,191	385,305	347,203	338,022
Conductors, motormen, and bus operators:							
Number	115,518	131,321	136,184	130,628	115,720	126,717	111,220
Wages (thousand dollars)	75,705	95,452	127,222	205,238	200,963	197,131	191,476
Other wage earners—							
Number	94,211	127,869	131,491	139,656	123,550	117,560	100,095
Wages (thousand dollars)	62,377	79,311	106,109	182,953	184,341	150,072	146,546

[1] Mileage expressed in nearest mile. Figures include track lying outside the United States (1907, 28 miles; 1912, 32 miles; 1917, 1922 and 1927, 27 miles).

[2] Not shown separately.

[3] Overhead trolley includes 25 miles of surface lines operated by both overhead trolley and gas-electric motor cars.

[4] Figures for power-plant equipment, capacity of generators, and output of stations in 1927 are not comparable with those in prior years, as companies that formerly reported these data as auxiliary operations on railway schedules furnished separate and complete reports for light and power operations in 1927. These are included in the statistics for "Central Electric Light and Power Stations." The number of companies that reported power-plant equipment in 1907 was 576; in 1912, 494; in 1917, 355; in 1922, 232 and in 1927, 70.

[5] Includes 857 units of 43,344 horsepower reported as auxiliary engines in 1907 and 33 units with 41,100 horsepower of idle equipment in 1927.

[6] No data.

[7] Not including passengers carried by motor busses operated by electric railway companies (16,120,000 in 1922 and 214,694,000 in 1927).

[8] Exclusive of idle track and freight and switching roads.

Source: Bureau of the Census, Department of Commerce.

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No. 426.—ELECTRIC RAILWAYS:

NOTE.—See headnote to Table 424. The track mileage represents that actually lying in each State, but all ducted in other States. The differences among the States in the relation of passengers carried to of interurban as against purely urban traffic. Data for motor-bus lines represent those operated mileage represents passenger, express, freight, and mail-car mileage

Division and State	Miles of track lying in State or division [1]					Revenue passengers carried by companies domiciled in State (thousands)			
	1907	1912	1917	1922	1927	1907	1912	1917	1922
United States	**34,354**	**41,033**	**44,808**	**43,905**	**40,696**	**7,441,115**	**9,545,555**	**11,304,660**	**12,679,349**
New England	**4,863**	**5,299**	**5,556**	**5,049**	**3,931**	**875,116**	**1,051,162**	**1,242,077**	**1,137,106**
Maine	418	530	572	566	501	36,730	47,049	55,463	50,010
New Hampshire	268	268	269	263	156	20,087	23,673	23,405	19,650
Vermont	113	121	126	117	63	7,103	8,136	8,739	6,950
Massachusetts	2,851	2,951	3,056	2,688	2,071	597,470	705,918	834,529	732,447
Rhode Island	431	435	454	403	304	91,172	94,086	113,191	143,009
Connecticut	781	993	1,080	1,011	836	122,554	172,300	206,740	185,040
Middle Atlantic	**8,891**	**10,064**	**10,604**	**10,519**	**9,473**	**2,839,019**	**3,513,721**	**4,225,287**	**4,978,230**
New York	3,809	4,486	4,773	4,737	4,348	1,657,687	2,126,964	2,492,325	3,090,878
New Jersey	1,320	1,309	1,368	1,342	1,093	269,099	356,858	432,875	466,819
Pennsylvania	3,762	4,270	4,462	4,440	4,032	912,233	1,029,899	1,300,087	1,420,533
East North Central	**10,353**	**11,884**	**12,703**	**12,431**	**11,802**	**1,607,895**	**2,159,621**	**2,712,625**	**2,981,417**
Ohio	3,671	3,999	4,236	3,974	3,486	480,844	632,332	811,913	872,164
Indiana	1,929	2,323	2,356	2,305	2,330	137,547	173,019	191,132	241,873
Illinois	2,754	3,186	3,441	3,416	3,298	703,493	932,668	1,096,804	1,128,105
Michigan	1,324	1,526	1,768	1,817	1,779	183,239	286,956	447,780	557,900
Wisconsin	676	849	901	919	909	102,772	134,646	164,996	181,375
West North Central	**2,455**	**3,031**	**3,607**	**3,604**	**3,556**	**615,631**	**787,301**	**902,369**	**942,867**
Minnesota	438	538	656	681	723	136,122	186,918	235,943	262,781
Iowa	641	784	1,015	999	982	61,440	93,418	103,898	95,494
Missouri	867	959	1,094	1,098	1,054	346,362	402,210	442,756	464,603
North Dakota	14	19	24	21	19	1,872	2,862	2,841	3,378
South Dakota	5	22	24	17	16	126	1,657	1,915	2,023
Nebraska	184	214	211	206	192	49,323	64,709	74,560	76,846
Kansas	306	494	582	581	570	20,386	35,527	40,456	37,742
South Atlantic	**2,244**	**2,900**	**3,221**	**3,191**	**3,063**	**487,982**	**616,725**	**747,562**	**830,514**
Delaware	105	99	102	96	83	15,724	18,024	26,047	20,860
Maryland	552	720	775	758	731	152,268	186,828	228,634	248,594
Dist. of Col	160	188	195	199	185	91,569	114,100	125,536	156,242
Virginia	513	561	581	554	541	77,300	91,980	112,814	116,289
West Virginia	208	330	395	422	381	42,750	52,842	76,163	91,079
North Carolina	106	190	228	216	205	14,086	21,241	26,915	29,964
South Carolina	131	228	314	301	286	15,695	17,873	25,042	20,211
Georgia	351	417	450	449	425	59,701	86,601	93,640	105,958
Florida	118	165	183	197	226	18,889	27,236	32,771	41,317
East South Central	**1,075**	**1,291**	**1,457**	**1,477**	**1,378**	**220,887**	**268,785**	**292,004**	**308,021**
Kentucky	402	502	516	517	489	85,859	103,512	109,105	115,594
Tennessee	292	361	447	495	507	73,747	91,896	101,825	110,369
Alabama	294	309	369	368	335	52,197	62,494	70,343	73,646
Mississippi	86	119	124	98	47	9,084	10,883	10,731	8,412
West South Central	**840**	**1,372**	**1,704**	**1,724**	**1,773**	**193,338**	**270,746**	**313,203**	**382,087**
Arkansas	82	114	122	120	122	17,145	24,304	26,283	29,954
Louisiana	239	285	331	305	284	85,194	94,053	105,753	128,337
Oklahoma	100	252	302	324	334	9,502	22,121	30,766	36,260
Texas	419	721	950	975	1,033	81,497	130,268	150,401	187,536
Mountain	**630**	**1,048**	**1,311**	**1,291**	**1,137**	**113,304**	**154,224**	**162,262**	**148,748**
Montana	69	99	121	111	109	13,862	15,351	22,197	15,255
Colorado	317	468	467	431	356	73,458	86,597	84,624	81,613
New Mexico	10	11	11	11	11	1,029	951	1,486	1,425
Arizona	31	46	53	44	37	1,902	4,554	7,483	5,474
Idaho	73	129	155	149	121	1,327	4,170	3,279	3,256
Wyoming	----	23	23	23	----	----	1,399	1,457	684
Nevada	7	11	12	5	5	620	750	805	480
Utah	123	260	469	517	498	21,106	40,452	40,891	40,561
Pacific	**3,003**	**4,146**	**4,647**	**4,619**	**4,583**	**487,943**	**723,270**	**707,311**	**970,359**
Washington	730	991	1,022	954	904	110,507	126,687	145,922	143,429
Oregon	259	549	603	612	548	49,459	75,842	67,223	71,804
California	2,013	2,605	3,022	3,053	3,131	327,977	520,741	494,166	755,126

[1] Mileage figures expressed to nearest mile, original figures to nearest hundredth.
[2] Data for Rhode Island included with Massachusetts.
[3] Data for Missouri and South Dakota.
[4] Figures for South Atlantic division represent District of Columbia, Georgia, and Florida.

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Operating Statistics, by States

other data relate to the total operations of companies domiciled in the State, part of which may be con-
passenger revenue and in other similar ratios are largely due to differences in the relative importance
directly by electric railways; lines operated by subsidiary companies are not included. Revenue car

Revenue passengers carried by companies domiciled in State (thousands)—Con.		Passenger revenue of companies domiciled in State (thousands of dollars)				Revenue car miles operated by companies domiciled in State (thousands)				Division and State
1927				1927				1927		
Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	1912	1922	Car lines	Motor-bus lines	
12,174,592	167,781	502,652	854,663	834,601	14,578	1,921,620	2,124,523	2,163,773	65,068	U. S.
910,455	54,621	52,521	87,704	79,752	4,607	191,451	173,083	154,549	15,971	N. E.
32,499	75	2,458	4,243	3,060		11,124	11,027	9,485	174	Me.
10,807	113	1,202	1,585	924	44	4,726	4,006	2,767	71	N. H.
3,691	70	423	451	258		1,776	1,406	980	30	Vt.
604,951	45,916	35,146	58,521	55,198	[2]4,563	125,894	105,162	96,723	13,166	Mass.
105,210	8,447	13,292	22,904	20,312	[2]	15,085	16,244	13,932	2,530	R. I.
153,297	-------				-------	32,846	35,238	30,662	-------	Conn.
5,172,379	174	180,634	297,560	308,687	17	663,589	710,550	755,120	55	M. A.
3,407,410	162	110,700	168,451	186,692	16	411,008	442,114	496,910	51	N. Y.
406,444	12	17,616	30,863	21,743	1	60,994	69,214	52,179	4	N. J.
1,358,525	-------	52,318	98,246	100,252	-------	191,587	199,222	206,031	-------	Pa.
2,886,084	55,906	118,128	213,365	211,622	5,061	474,239	546,337	571,510	22,683	E. N. C.
726,069	24,552	32,672	55,359	50,309	1,989	137,548	141,247	136,400	7,081	Ohio.
201,070	7,580	12,796	20,286	18,579	513	47,879	58,552	63,782	4,043	Ind.
1,257,594	10,282	49,815	93,817	100,278	1,007	201,027	230,127	256,985	4,310	Ill.
521,774	1,920	15,877	31,473	29,186	196	61,189	83,571	78,929	1,316	Mich.
179,577	11,572	6,968	12,430	13,270	1,356	26,596	32,840	35,414	5,933	Wis.
758,333	3,399	40,854	66,880	56,599	394	152,347	174,012	159,097	2,303	W. N. C.
207,476	-------	9,420	15,850	14,379	-------	32,793	36,066	35,546	-------	Minn.
66,883	1,675	5,259	7,850	5,968	175	22,122	29,152	23,892	783	Iowa.
407,210	407	20,216	34,137	30,106		72,573	80,738	76,702	180	Mo.
2,893	-------	222	342	382	[3]167	661	926	951	-------	N. Dak.
736	510					474	579	368	879	S. Dak.
51,890	132	3,277	4,930	3,695	12	12,613	13,980	11,291	65	Nebr.
21,245	675	2,460	3,771	2,069	40	11,111	12,571	10,347	396	Kans.
743,305	9,401	30,921	58,863	54,733	[4]749	124,591	153,154	151,263	3,812	S. A.
18,961	-------				-------	3,967	3,883	3,649	-------	Del.
227,918	-------	15,480	30,995	29,164	-------	34,439	42,401	40,387	-------	Md.
136,888	7,459				[4]	18,558	21,037	20,082	2,775	D. C.
100,751	-------	4,532	7,540	6,979	-------	19,903	24,312	24,632	-------	Va.
71,163	-------	3,034	6,570	5,761	-------	11,707	15,238	15,504	-------	W. Va.
25,443	-------	1,177	2,068	1,708	-------	5,998	6,887	6,595	-------	N. C.
10,255	-------	929	1,755	751	-------	4,658	7,719	7,399	-------	S. C.
98,564	265	4,395	7,521	6,991	[4]	19,217	22,619	21,429	150	Ga.
53,362	1,677	1,374	2,414	3,379	[4]	6,144	9,058	11,586	887	Fla.
311,351	-------	13,868	20,840	20,541	-------	58,058	58,389	59,504	-------	E. S. C.
117,894	-------	5,592	7,643	7,764	-------	22,274	20,372	21,480	-------	Ky.
103,984	-------	4,664	7,735	7,252	-------	18,936	19,122	20,635	-------	Tenn.
85,463	-------	3,004	4,812	5,270	-------	13,313	15,820	15,910	-------	Ala.
4,010	-------	608	650	255	-------	3,533	3,075	1,479	-------	Miss.
352,541	14,305	14,790	29,529	27,562	1,094	61,617	80,091	82,050	5,215	W. S. C.
25,887	28	1,183	1,781	1,530	3	5,594	5,735	6,371	26	Ark.
123,491	3,683	4,725	9,388	8,554	265	21,812	20,429	18,239	1,123	La.
23,808	4,178	1,254	3,127	2,443	301	6,143	9,356	9,017	1,416	Okla.
179,355	6,416	7,628	15,233	15,035	525	28,068	44,571	48,423	2,650	Tex.
118,004	1,283	8,061	11,459	9,072	136	30,150	32,739	32,187	723	Mt.
14,108	-------	800	951	859	-------	2,901	2,979	3,090	-------	Mont.
64,865	591	4,521	6,222	4,898	[5]	17,202	15,746	15,152	259	Colo.
516	-------	282	382			309	410	334	-------	N. Mex.
5,432	-------			447	-------	1,019	981	1,096	-------	Ariz.
837	-------	451	388			1,420	1,323	770	-------	Idaho.
-------	-------					381	253	-------	-------	Wyo.
351	-------	2,007	3,516	2,868	[5]136	270	108	80	-------	Nev.
31,895	692					6,648	10,939	11,665	464	Utah.
922,140	28,692	42,875	68,463	66,033	2,520	165,580	196,168	198,493	14,306	Pac.
118,303	5,570	7,283	12,273	10,587	972	29,517	36,299	32,273	3,953	Wash.
60,471	2,652	4,578	6,285	5,147		19,509	21,341	20,192	1,313	Oreg.
743,366	20,470	31,014	49,905	50,299	1,548	116,554	138,528	146,028	9,040	Calif.

[5] Data for Colorado included with Utah.

Source: Bureau of the Census, Department of Commerce.

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No. 427.—ELECTRIC RAILWAYS: INCOME ACCOUNT OF OPERATING COMPANIES

NOTE.—See headnote to Table 424

[All figures except percentages in thousands of dollars]

	All companies					Surface lines		Motor-bus lines, 1927
	1907	1912	1917	1922	1927	1922	1927	
Gross operating revenue	418,188	567,511	709,825	1,016,719	[1] 927,774	910,857	798,754	68,121
Railway operations	400,896	535,996	650,150	925,477	918,869		789,849	67,253
Passenger	382,132	502,652	603,130	854,663	834,601	757,736	713,288	
Baggage, express, and milk	1,561	3,688	4,966	5,285	4,271	153,121	4,271	
Freight	5,231	10,165	18,546	31,560	39,125		39,125	
Other railway operations	11,972	19,491	23,508	33,969	40,872		33,165	
Auxiliary operations	17,292	31,515	59,675	91,242	[1] 8,905		8,905	868
Operating expenses (total)	251,309	332,896	452,595	727,795	[1] 694,460	660,135	616,258	66,002
Railway operating expenses	245,140	318,700	421,251	678,563	686,638	612,099	608,436	65,771
Way and structures	28,521	44,270	55,470	102,003	96,285	94,126	85,807	23,717
Equipment	31,486	38,717	48,982	87,236	92,865	77,500	79,249	
Power	43,972	53,599	76,958	107,246	98,602	92,790	84,508	
Conducting transportation	[2] 97,123	[2] 129,205	174,973	286,690	294,322	256,957	262,415	42,054
All other	44,038	52,909	64,868	95,388	104,564	90,726	96,457	
Auxiliary operations	6,169	14,196	31,344	49,232	[1] 7,822	48,036	7,822	231
Ratio of expenses to revenue (per cent)	60.1	58.7	63.8	71.6	74.9	72.5	77.2	96.9
Net operating revenue	166,879	234,615	257,230	288,924	[1] 233,313	250,722	182,496	2,119
Taxes	19,756	35,028	45,756	64,788	57,808	58,347	49,594	2,880
Operating income	147,123	199,587	211,474	224,136	175,505	192,375	132,902	[3] 761

[1] Not comparable with corresponding figures for prior years, as a number of companies that formerly reported their light and power departments in "auxiliary operations" furnished complete separate reports for these departments in 1927 which are included in statistics for "Central Electric Light and Power Stations."

[2] Includes superintendence of power. [3] Deficit.

Source: Bureau of the Census, Department of Commerce.

No. 428.—RECEIVERSHIPS OF ELECTRIC RAILWAYS

Year	Placed under receivership				Sold under foreclosure				Receivers' certificates
	Number of companies	Miles of track	Outstanding securities		Number of companies	Miles of track	Outstanding securities		
			Stock	Bonds			Stock	Bonds	
			Dollars	*Dollars*			*Dollars*	*Dollars*	*Dollars*
1909	22	558	29,962,200	22,325,000	21	488	22,265,700	21,174,000	[1]
1910	11	697	12,629,400	75,490,735	22	724	19,106,613	26,374,075	[1]
1911	19	519	29,533,450	38,973,293	25	661	91,354,800	115,092,750	[1]
1912	26	374	20,410,700	11,133,800	18	267	14,197,300	10,685,250	[1]
1913	18	343	31,006,900	47,272,200	17	302	15,243,700	19,094,500	[1]
1914	10	362	35,562,550	19,050,460	11	181	26,239,700	44,094,241	[1]
1915	27	1,152	40,298,050	39,372,375	19	308	30,508,817	16,759,997	[1]
1916	15	359	14,476,600	10,849,200	19	430	13,895,400	22,702,300	[1]
1917	21	1,177	33,918,725	33,778,400	26	745	27,281,900	27,313,045	[1]
1918	29	2,018	92,130,388	163,257,102	23	524	37,740,325	20,149,384	[1]
1919	48	3,781	321,259,354	312,915,104	29	2,675	89,893,400	79,836,738	42,300
1920	19	1,065	28,758,455	72,283,575	13	260	7,782,400	11,227,328	52,000
1921	19	986	32,909,525	36,177,800	13	778	33,642,255	30,363,526	5,000
1922	14	695	18,140,150	20,304,400	13	323	7,491,500	12,640,600	114,683
1923	12	334	8,332,100	14,707,066	15	927	118,077,959	110,638,250	12,265,000
1924	12	1,022	28,489,700	35,716,000	14	869	21,022,800	34,845,535	3,440,388
1925	14	1,260	51,383,195	54,696,525	13	569	18,074,300	18,329,555	53,000
1926	16	1,228	17,769,435	117,560,073	28	1,291	20,054,700	57,340,363	214,000
1927	13	624	17,615,050	20,875,450	16	941	53,345,000	78,445,100	3,140,000
1928	8	262	9,216,700	14,790,700	8	1,004	26,084,325	40,683,400	168,150
1929	5	426	39,035,000	35,138,400	10	510	18,472,995	21,173,700	285,359
1930	12	1,431	85,358,800	108,372,110	8	1,055	36,254,965	44,564,000	
1931	17	1,308	38,261,502	43,025,994	12	845	38,206,600	19,769,600	50,000

[1] Data not available.

Source: Annual Statistical Number, Electric Railway Journal.

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No. 429.—ELECTRIC RAILWAYS: COMPARATIVE STATISTICS OF SUBWAY AND ELEVATED LINES [1]

	1907	1912	1917	1922	1927
Number of companies	6	7	7	7	[2] 4
Miles of track [3]	420.4	517.8	666.1	857.9	870.9
Number of cars	4,453	5,706	6,801	8,096	8,654
Passengers carried (thousands)	640,705	1,004,823	1,274,652	1,745,167	2,222,586
Revenue passengers, including pay transfer	635,653	991,062	1,262,509	1,743,284	2,220,794
Revenue car mileage (thousands)	143,634	219,467	247,199	343,346	377,213
Average number of revenue passengers:					
Per mile of all track [4]	1,514,866	1,913,950	2,112,349	2,229,719	2,858,422
Per passenger car hour	(5)	(5)	(5)	90.86	93.80
Salaried employees:					
Number	362	907	1,937	1,372	1,471
Salaries	$569,317	$1,397,898	$2,647,901	$3,008,067	$3,877,475
Wage earners:					
Number	12,501	19,098	26,835	26,007	27,955
Wages	$8,588,493	$13,866,813	$22,092,946	$40,987,936	$47,282,821

[1] Exclusive of the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group.
[2] Prior to 1927 four companies in Illinois were consolidated forming the Chicago Rapid Transit Co.
[3] Includes a minor amount of surface trackage.
[4] Average for 1917, 1922, and 1927 based upon running track exclusive of idle track and freight and switching roads; for 1907 and 1912, upon all track exclusive of idle track and freight and switching roads.
[5] No data.

Source: Bureau of the Census, Department of Commerce.

No. 430.—ELECTRIC RAILWAYS: MILEAGE OF ELEVATED AND SUBWAY AND TUNNEL TRACK, BY STATES

NOTE.—In these statistics all track is included; each track of a double or multiple line is counted separately. Mileage expressed in nearest tenth

Class of trackage and State	1907	1912	1917	1922	1927	Class of trackage and State	1907	1912	1917	1922	1927
Elevated, total	362.4	417.8	497.3	601.7	634.2	**Subways and tunnels, total**	74.8	112.7	218.8	325.6	342.4
New York	200.4	230.8	297.0	362.8	373.0	New York [2]	60.4	70.5	162.4	269.1	281.7
Illinois	125.8	141.9	146.9	163.9	178.7	Massachusetts	7.8	18.5	25.2	27.0	29.4
Pennsylvania	7.7	9.9	16.7	32.4	32.2	New Jersey [3]	------	11.7	12.6	12.6	12.6
Massachusetts	16.7	26.6	26.2	30.1	35.6	Pennsylvania	5.6	8.4	9.0	8.0	9.2
New Jersey	[1] 7.2	4.3	4.4	4.3	4.3	California	------	.3	5.4	5.4	5.9
Missouri	3.2	2.9	3.0	2.9	------	Illinois	.6	1.9	1.9	1.8	1.8
Washington	------	------	------	2.7	7.8	All other States [4]	.4	1.4	2.3	1.7	1.8
Maryland	1.4	1.4	1.4	1.4	1.4						
California	------	------	1.2	1.2	1.2						
Kansas	------	------	.5	------	------						

[1] Includes 3.06 miles of Camden and Atlantic branch of West Jersey & Seashore Railroad Co., tabulated as an electrified division of a steam road in subsequent years.
[2] Excludes 11.68 miles operated in New Jersey.
[3] Includes 11.68 miles owned by a New York company.
[4] Minnesota, Missouri, Rhode Island, and Washington, 1927; Rhode Island, Minnesota, and Missouri, 1922; Connecticut, Minnesota, Missouri, Rhode Island, West Virginia, and Wisconsin, 1917; Kansas, Missouri, Oregon, and Tennessee, 1912; Missouri, 1907.

Source: Bureau of the Census, Department of Commerce.

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No. 431.—ELECTRIC RAILWAYS: FINANCES OF ELEVATED AND SUBWAY LINES

NOTE.—**All figures in thousand of dollars.** Data exclude the mixed elevated, subway, and surface systems of Boston and Philadelphia which are included in the surface group

Account	1907	1912	1917	1922	1927
Income from all sources	34,258	55,246	70,213	108,483	132,135
Operating revenues	33,874	52,239	68,537	105,862	129,020
Operating expenses	15,129	23,613	31,669	67,660	78,202
Net operating revenue	18,745	28,626	36,868	38,202	50,818
Taxes of operating companies	1,986	3,501	5,136	6,441	8,215
Operating income	16,759	25,125	31,732	31,761	42,603
Miscellaneous income	384	3,008	1,676	2,621	3,115
Gross income	17,143	28,133	33,408	34,382	45,718
Deductions from gross income	11,473	18,902	21,347	34,856	33,907
Interest	3,701	9,654	10,442	19,225	23,270
Miscellaneous	7,772	9,248	10,905	15,631	10,637
Net income	5,670	9,231	12,061	[1] *474*	11,811
Dividends	4,009	8,530	10,087		6,250
Surplus	1,661	701	1,974	[1] *474*	5,561

[1] Deficit.

No. 432.—MOTOR-BUS LINES OPERATED DIRECTLY BY ELECTRIC RAILWAYS AND SUBSIDIARY COMPANIES: SUMMARY, 1927

	Total	Operated by—	
		Electric railway companies	Subsidiary companies
Number of companies	301	98	203
Number of routes operated	1,583	482	1,101
Miles of route (round trip)	29,266.98	7,072.92	22,194.06
Miles of street or highway served (one way)	14,298.72	3,312.76	10,985.96
Number of busses, total	8,277	2,064	6,213
Owned	7,818	1,885	5,933
Rented	459	179	280
Single-deck	7,745	1,976	5,769
Owned	7,303	1,797	5,506
Rented	442	179	263
Double-deck	532	88	444
Owned	515	88	427
Rented	17		17
Number of busses in operation	7,681	1,901	5,780
Average number of busses operated in scheduled service during year	6,238	1,585	4,653
Number of passengers carried (thousands)	875,402	214,694	660,708
Revenue passengers	771,806	163,199	608,608
Pay-transfer passengers	12,453	4,583	7,871
Free-transfer passengers	85,235	45,667	39,568
Free passengers	5,907	1,246	4,661
Number of bus miles (thousands)	272,518	65,905	206,613
Revenue miles	270,483	65,068	205,415
Nonrevenue miles	2,035	837	1,198
Number of bus hours (thousands)	24,927	5,716	19,210
Revenue hours	24,571	5,632	18,939
Nonrevenue hours	356	84	271
Number killed or died from injuries	108	15	93
Number injured but not killed	10,082	3,151	6,931
INCOME STATISTICS (thousands of dollars)			
Operating revenues	68,121	15,135	52,986
Transportation revenues	67,253	15,004	52,248
Miscellaneous	868	131	738
Operating expenses	65,771	15,272	50,500
Maintenance of plant and equipment	23,717	5,398	18,319
Operation	36,056	8,554	27,502
General expense including traffic promotion	5,998	1,320	4,678
Net operating revenue, motor-bus lines	2,349	[1] *137*	2,486
Net revenue from auxiliary operations	[1] *231*		[1] *231*
Total net revenues, motor-bus and auxiliary	2,119	[1] *137*	2,255
Taxes	2,880	584	2,295
Operating income, motor-bus and auxiliary	[1] *761*	[1] *721*	[1] *40*
Nonoperating income	295	32	264
Gross income	[1] *466*	[1] *690*	224
Deductions from gross income	1,707	198	1,509
Net income	[1] *2,173*	[1] *888*	[1] *1,285*
Number of employees	16,633	3,619	13,014
Salaried employees	2,333	265	2,068
Wage earners	14,300	3,354	10,946
Salaries and wages (thousands of dollars)	27,564	6,119	21,445
Salaries	3,340	657	2,683
Wages	24,224	5,462	18,762

[1] Deficit.

Source of Tables 431 and 432: Bureau of the Census, Department of Commerce.

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21.—WATERWAYS, WATER TRAFFIC, AND SHIPPING

Data in this section cover the following areas unless otherwise indicated: From Board of Engineers of the United States Army, and Bureau of Foreign and Domestic Commerce, United States customs area which includes Alaska, Hawaii, and Puerto Rico; from United States Shipping Board, continental United States

General note as to units of measurement.—"Cargo tonnage" represents weight of cargo in long tons (2,240 pounds) or short tons (2,000 pounds). All other tonnage figures refer to capacity of vessels. The terms gross and net tonnage refer to space measurement, 100 cubic feet being called 1 ton. Gross tonnage is the capacity of the entire space within the frames and the ceiling of the hull, together with those closed-in spaces above deck available for cargo, stores, passengers or crew, with certain minor exemptions. Net or registered tonnage is what remains after deducting from the gross tonnage the spaces occupied by the propelling machinery, fuel, crew quarters, master's cabin, and navigation spaces. It represents substantially space available for cargo and passengers. The net tonnage capacity of a ship recorded as "entered with cargo" may bear little relation to actual weight of cargo. Dead-weight tonnage is the weight in long tons required to depress a vessel from light water line (that is, with only the machinery and equipment on board) to load line. It is therefore the weight of the cargo, fuel, etc., which a vessel is designed to carry with safety. Displacement tonnage (naval vessels) has reference to weight of the vessel itself with its normal equipment, fuel, etc.

No. 433.—CARGO TONNAGE OF WATER-BORNE COMMERCE OF THE UNITED STATES

[In thousands of short tons of 2,000 pounds]

	1925	1926	1927	1928	1929	1930
Foreign commerce, total	**108,547**	**131,293**	**120,523**	**126,768**	**127,510**	**114,110**
Imports, through seaports	42,792	44,834	43,388	46,690	51,591	46,448
Exports, through seaports	49,251	69,859	56,550	56,151	55,761	48,148
Imports, Great Lakes ports	7,317	6,424	8,098	8,548	6,385	7,590
Exports, Great Lakes ports	9,187	10,176	12,487	15,379	13,773	11,924
Domestic commerce, unadjusted total	**443,022**	**470,208**	**473,118**	**482,232**	**527,535**	**477,220**
Coastwise, between ports	105,090	108,023	121,036	119,254	124,999	117,821
Great Lakes, between ports	111,568	116,486	113,917	119,301	135,838	109,791
Local traffic of seaports and Great Lakes ports[1]	64,981	89,168	78,162	77,925	91,892	81,403
Traffic between seaports and river points	47,214	34,510	38,191	37,672	39,632	35,601
Traffic on rivers, canals, and connecting channels [2]	114,169	122,021	121,812	128,080	135,174	132,604
Foreign and domestic, unadjusted total	**551,568**	**601,501**	**593,641**	**609,000**	**655,045**	**591,330**
Deduction of duplications:						
Traffic between seaports and river points	47,214	34,510	38,191	37,672	39,632	35,601
Other duplications (canals, etc.) [3]	20,954	26,491	22,950	32,128	31,613	35,449
Net total, foreign and domestic	**483,400**	**540,500**	**532,500**	**539,200**	**583,800**	**520,280**
Approximate net total, domestic [4]	**374,854**	**409,207**	**411,977**	**412,432**	**456,290**	**408,170**

[1] Includes the following, with figures for 1930: Harbor traffic of New York, Philadelphia, and San Francisco (45,763,000 tons); local traffic of other seaports (29,704,000); local traffic of lake ports (5,936,000).

[2] Excluding St. Marys Falls Canal traffic (72,898,000 tons in 1930) and additional Detroit River traffic (21,258,000 tons in 1930), both of which are already counted in Great Lakes traffic; also excluding duplications relating to rivers and canals themselves.

[3] Principally coastwise and lake traffic passing through canals and connecting channels, other than the St. Marys Falls Canal and the Detroit River.

[4] Estimated from data in this table on the assumption that all the duplications deducted from the grand total represent duplications in domestic traffic; there are, however, some minor cases of duplication connected with foreign traffic.

Source: Board of Engineers for Rivers and Harbors.

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No. 434.—COMMERCE OF PRINCIPAL UNITED STATES OCEAN PORTS, 1930

NOTE.—**In thousands of short tons of 2,000 pounds.** In addition to the commerce here shown, many of the ports have (1) commerce with ports on internal rivers and canals; (2) purely local port traffic, including in the case of New York, Philadelphia, and San Francisco, what is called intraport traffic between parts of a harbor for which separate statistics are maintained. These forms of traffic, although the aggregate tonnage is large, are of much less economic importance than foreign and coastwise traffic

Port	Imports	Exports	Coastwise	
			Receipts	Shipments
Grand total	**46,448**	**48,148**	**120,245**	**115,397**
Atlantic ports	**37,662**	**15,957**	**77,441**	**47,003**
Searsport, Me	34		496	5
Portland, Me	820	80	2,190	190
Portsmouth, N. H	52		240	(1)
Boston Harbor, Mass	2,915	263	10,375	1,226
Beverly, Mass	56	1	535	65
Salem, Mass	21		471	
Lynn, Mass	2		350	
New Bedford and Fairhaven, Mass	(1)	(1)	705	91
Fall River, Mass	820	2	739	695
Newport, R. I	(1)	(1)	111	7
Providence, R. I	771	(1)	3,556	602
New London, Conn	19		513	110
New Haven, Conn	12	(1)	2,060	406
Bridgeport, Conn	19		980	126
Stamford, Conn			392	34
Greenwich, Conn			136	2
New York Harbor, N. Y	17,586	9,036	30,727	8,240
Hempstead, N. Y			386	5,073
Huntington Bay, N. Y			6	1,288
Port Jefferson, N. Y			43	2,725
Philadelphia, Pa.[2]	5,377	2,049	11,481	4,750
Baltimore, Md	5,539	1,043	3,136	1,326
Hampton Roads, Va	943	2,120	1,393	17,570
Wilmington, N. C	290	14	632	54
Charleston Harbor, S. C.[3]	520	230	987	461
Savannah, Ga	603	310	935	280
Brunswick, Ga	122	153	290	245
Fernandina, Fla		194		7
Jacksonville, Fla	524	192	1,259	639
Miami, Fla	184	18	187	92
Key West, Fla	112	213	126	3
San Juan, P. R	157	17	494	236
Gulf ports	**4,948**	**16,724**	**7,509**	**34,575**
Charlotte, Fla		181	4	329
Tampa, Fla	168	1,233	1,055	1,002
Gulf ports—Con.				
Pensacola, Fla	132	353	340	36
Mobile, Ala	369	734	623	873
Gulfport, Miss	86	255	96	2
New Orleans, La	3,016	3,826	2,446	1,295
Baton Rouge, La	192	1,264	14	1,901
Galveston, Tex	349	1,493	748	1,315
Texas City, Tex	78	158	9	2,416
Houston, Tex	381	4,879	1,164	6,665
Freeport, Tex		198	20	289
Port Aransas, Tex		20	12	1,103
Sabine, Tex		10		349
Port Arthur, Tex	20	1,105	546	6,748
Beaumont, Tex	144	704	138	10,018
Corpus Christi, Tex	5	256	38	182
Pacific ports	**3,838**	**15,467**	**35,295**	**33,818**
San Diego, Calif	51	14	799	24
Los Angeles, Calif	716	7,359	6,412	13,725
San Luis Obispo, Calif		459	33	1,311
San Francisco Bay, Calif	1,275	3,091	14,914	6,007
Monterey, Calif			171	37
Humboldt, Calif		29	248	267
Long Beach, Calif	68	471	1,159	2,341
Coos Bay, Oreg		137	34	378
Portland, Oreg	121	1,235	2,769	915
Other ports on Columbia and Willamette Rivers	(1)	267	166	351
Longview, Wash	5	131	85	389
Grays Harbor, Wash	2	469	241	748
Port Gamble, Wash		23	1	255
Olympia, Wash	3	238	84	461
Tacoma, Wash	431	656	1,156	861
Seattle, Wash	407	505	3,784	1,451
Everett, Wash	145	159	316	771
Anacortes, Wash	69	21	131	71
Bellingham, Wash	46	85	194	640
Port Angeles, Wash	175	1	202	133
Port Ludlow, Wash		25	1	184
Honolulu, Hawaii	116	14	1,093	705
Kahului, Hawaii	5		276	161
Hilo, Hawaii	22		137	248

[1] Less than 500 tons. [2] Including Delaware and Schuylkill Rivers, Pa. [3] Including Ashley River.

Source: Annual Report of the Chief of Engineers, United States Army.

No. 435.—GREAT LAKES, COMMERCE OF THE PRINCIPAL PORTS

NOTE.—**In thousands of short tons of 2,000 pounds.** Foreign imports and exports and coastwise receipts and shipments are included

Port	Receipts				Shipments			
	1927	1928	1929	1930	1927	1928	1929	1930
Total	**120,557**	**128,325**	**141,182**	**116,812**	**127,862**	**134,204**	**150,653**	**122,283**
Agate Bay, Minn	191	174	184	101	6,413	6,432	7,416	7,102
Alpena, Mich	249	247	289	252	1,313	1,578	1,623	1,483
Ashland, Wis	833	734	856	786	7,089	7,259	8,535	5,655
Ashtabula, Ohio	7,954	7,100	8,938	6,451	3,049	4,213	3,435	4,323
Buffalo, N. Y.:								
By lake	14,793	16,213	15,277	12,487	3,069	3,335	2,689	2,572
By canal	384				926			

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No. 435.—Great Lakes, Commerce of the Principal Ports—Continued

Port	Receipts				Shipments			
	1927	1928	1929	1930	1927	1928	1929	1930
Calcite, Mich.	112	138	125	93	10,345	11,137	10,694	8,660
Charlotte, N. Y. (Rochester)	154	174	150	149	862	1,319	1,458	925
Chicago, Ill.[1]	11,551	14,542	14,920	11,238	1,875	1,398	1,417	1,561
Cleveland, Ohio	10,730	11,905	14,059	9,620	1,204	1,363	2,626	2,198
Conneaut, Ohio	8,944	9,283	9,572	8,570	772	1,845	2,874	2,247
Detroit, Mich.	2,424	3,310	4,628	4,847	422	676	787	297
Duluth-Superior	13,816	11,733	12,130	11,247	38,896	41,471	48,256	34,480
Erie, Pa.	1,791	1,310	2,301	1,905	921	874	963	2,496
Escanaba, Mich.	201	196	185	222	6,584	6,111	7,116	4,543
Fairport, Ohio	3,276	3,524	3,737	3,071	1,567	2,132	1,575	840
Frankfort, Mich.	897	874	925	787	670	777	851	663
Gary, Ind.	5,393	7,216	8,728	6,723	4	16	102	190
Grand Haven, Mich.	518	627	589	444	720	742	715	543
Green Bay, Wis.	1,417	1,348	1,474	1,510	286	278	311	299
Huron, Ohio	1,324	1,140	1,315	1,005	247	754	781	903
Indiana Harbor, Ind.	4,596	5,649	6,189	5,211	929	1,091	1,302	1,294
Kewaunee, Wis.	124	227	302	221	209	254	269	239
Keweenaw Waterway, Mich.	957	703	825	803	65	70	40	22
Lorain, Ohio	4,511	4,421	4,804	3,422	2,756	2,163	2,328	2,028
Ludington, Mich.	965	1,075	1,038	862	1,447	1,507	1,634	1,351
Manistique, Mich.	85	81	109	123	184	168	156	151
Manitowoc, Wis.	1,422	1,490	1,553	1,308	846	830	797	606
Marquette Harbor, Mich.	207	207	180	193	926	852	981	617
Marquette Bay, Mich.				1	2,720	2,979	4,016	2,706
Menominee, Mich. and Wis.	514	534	568	484	240	247	254	196
Milwaukee, Wis.	6,512	6,197	6,698	6,122	1,721	1,787	1,866	1,581
Muskegon, Mich.	402	486	523	535	30	153	449	134
Ogdensburg, N. Y.	1,492	563	529	508	45	895	687	562
Rockport, Mich.	15	16	17	9	1,760	1,986	1,790	1,092
Rouge River, Mich.	3,069	4,478	5,725	4,472	72	117	187	404
Sandusky, Ohio	124	105	63	50	7,985	7,145	9,710	7,961
Sault Ste. Marie, Mich.	808	834	821	760		4	2	(2)
Sheboygan, Wis.	464	438	431	418	12	10	10	7
Sturgeon Bay, Wis.	25	23	25	26	370	473	1,038	763
Toledo, Ohio	1,767	2,745	3,538	3,553	16,799	15,795	16,179	15,970
Tonawanda, N. Y.[3]	486	317	407	287	16	2	79	31
Wyandotte, Mich.	874	1,477	1,759	1,577		11	26	
All other	4,187	4,471	4,694	4,359	1,496	1,959	2,627	2,588

[1] Includes Chicago Harbor, Chicago River and Calumet Harbor.

[2] Less than 500 tons.

[3] By lake and Niagara River.

Source: Annual Reports of the Chief of Engineers, United States Army.

No. 436.—NEW YORK STATE CANALS: Tonnage of Freight Moved

Note.—In short tons of 2,000 pounds. Tonnage handled over State terminals but not moved through any portion of the canal channel is not included

Yearly average	All canals	Erie division	Yearly average or year	All canals	Erie division			
					Total freight	Grain	Sand, gravel, stone	Petroleum
1837-1840	1,339,016	771,741	1911-1915	2,448,837	1,626,451			
1841-1845	1,613,317	884,522	1916-1920	1,348,365	798,706			
1846-1850	2,781,410	1,556,696	1921-1925	1,905,291	1,548,408	630,453	333,250	191,406
1851-1855	3,976,501	2,141,476	1926-1930	2,904,575	2,397,042	933,602	282,649	397,328
1856-1860	3,911,407	1,889,759	1922	1,873,434	1,485,109	550,831	337,656	164,176
1861-1865	5,049,341	2,743,929	1923	2,006,284	1,626,062	629,763	375,964	190,104
1866-1870	5,987,724	3,018,359	1924	2,032,317	1,691,766	698,246	365,266	237,018
1871-1875	5,974,097	3,326,073	1925	2,344,013	1,945,466	916,441	339,713	262,331
1876-1880	5,219,888	3,542,020	1926	2,369,367	1,935,278	795,598	287,189	263,202
1881-1885	5,210,389	3,495,590	1927	2,581,892	2,047,774	791,037	325,076	327,616
1886-1890	5,281,441	3,589,631	1928	3,089,998	2,535,684	1,118,788	307,642	343,593
1891-1895	4,112,061	2,962,528	1929	2,876,160	2,422,204	810,385	229,047	398,831
1896-1900	3,544,951	2,446,065	1930	3,605,457	3,044,271	1,152,200	264,292	653,399
1901-1905	3,335,210	2,144,492	1931	3,722,012	3,277,936	1,149,471	202,978	781,867
1906-1910	3,238,129	2,206,595						

Source: Commissioner of Canals and Waterways, Department of Public Works, State of New York.

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No. 437.—ST. MARYS FALLS CANAL (SAULT STE. MARIE): GENERAL TRAFFIC STATISTICS

NOTE.—Includes both American and Canadian canals and traffic to and from Canadian as well as American ports. Average distances, ton-miles, freight charges, etc., are based on total haul from port of origin to port of destination in process of performance by vessels passing through the canals

Season	Freight carried (1,000 short tons of 2,000 pounds)					Total ton-miles (millions)	Freight charges		Valuation of freight (millions of dollars)
	Total	Eastbound	Westbound	By American vessels	By Canadian and other foreign vessels		Amount (1,000 dollars)	Average per ton per mile (mills)	
1890	9,041	6,429	2,612	8,679	362	7,207	9,472	1.30	102
1895	15,063	12,030	3,033	14,497	566	12,503	14,239	1.14	160
1900	25,643	20,532	5,111	24,896	747	21,179	24,953	1.18	267
1905	44,271	36,779	7,492	42,061	2,210	36,893	31,421	.85	417
1910	62,363	47,134	15,229	58,569	3,794	52,406	38,711	.74	654
1911	53,477	36,429	17,048	49,844	3,633	44,174	29,492	.67	595
1912	72,473	55,378	17,095	68,469	4,004	60,243	40,578	.67	791
1913	79,718	59,206	20,512	74,789	4,929	65,331	44,381	.68	866
1914	55,370	39,471	15,899	50,469	4,901	46,112	27,597	.60	635
1915	71,290	56,369	14,921	66,877	4,413	59,317	41,984	.71	882
1916	91,888	74,148	17,740	86,174	5,714	75,717	60,845	.80	974
1917	89,814	70,047	19,767	84,685	5,129	73,635	89,277	1.21	1,197
1918	85,680	66,285	19,395	80,958	4,722	70,108	83,506	1.19	987
1919	68,236	52,832	15,404	63,408	4,828	55,612	58,479	1.05	915
1920	79,282	63,464	15,818	74,866	4,416	64,702	85,742	1.33	1,120
1921	48,259	32,113	16,146	43,016	5,243	38,043	43,344	1.14	746
1922	66,067	55,020	11,047	60,812	5,255	53,564	64,154	1.20	957
1923	91,380	71,236	20,144	83,795	7,585	73,218	80,843	1.10	1,026
1924	72,037	56,840	15,197	65,447	6,590	58,579	59,769	1.02	1,080
1925	81,875	67,305	14,570	75,764	6,111	65,577	71,093	1.08	1,118
1926	85,679	69,530	16,149	78,006	7,673	69,360	78,517	1.13	1,064
1927	83,354	64,393	18,961	76,091	7,264	67,387	69,331	1.03	1,132
1928	86,993	70,166	16,827	78,072	8,921	70,259	81,281	1.16	1,183
1929	92,622	74,840	17,782	85,839	6,783	74,881	80,268	1.07	1,000
1930	72,898	57,067	15,831	67,560	5,338	59,058	61,159	1.04	761
1931	44,614	32,687	11,927	38,554	6,060	36,342	37,030	1.02	522

	1910	1915	1920	1925	1929	1930	1931
Date of opening canal	Apr. 12	Apr. 13	Apr. 19	Apr. 8	Apr. 13	Apr. 21	Apr. 10
Date of closing canal	Dec. 15	Dec. 20	Dec. 26	Dec. 17	Dec. 14	Dec. 15	Dec. 15
Number of vessels passing	20,899	21,233	18,847	20,650	19,794	16,818	13,056
Registered tonnage of vessels passing, 1,000 net tons	49,856	56,399	58,194	69,240	68,240	54,829	35,917
Eastbound, do	24,725	28,316	29,123	34,653	34,138	27,418	17,977
Westbound, do	25,132	28,083	29,071	34,587	34,102	27,411	17,940
Passengers carried, number	66,933	50,336	68,451	56,956	54,415	45,303	33,606
Freight, eastbound, 1,000 short tons	47,134	56,369	63,464	67,305	74,840	57,067	32,687
Flour, 1,000 bbls	7,576	8,437	7,478	9,289	9,164	8,532	8,576
Wheat, 1,000 bus	86,260	255,482	143,456	292,818	225,422	243,927	189,090
Other grain, do	39,243	64,755	51,630	149,927	68,127	55,434	56,303
Lumber, 1,000 ft. b. m	603,101	456,451	192,854	186,486	165,435	150,986	143,209
Iron ore, 1,000 short tons	41,600	45,212	56,643	53,821	64,827	46,990	24,222
Pig iron, do	49	18	1	28	151	43	38
Manufactured iron, do						48	37
Stone, do	10		67	24	71	62	58
Copper, do	148	156	52	63	64	35	30
General merchandise, do	173	332	56	107	187	163	240
Freight, westbound, 1,000 short tons	15,229	14,921	15,818	14,570	17,782	15,831	11,927
Coal, do	13,514	13,357	14,156	12,874	15,832	14,059	10,403
Salt, do	78	105	99	58	47	54	43
Oil, do			353	223	397	309	333
Stone, do			496	643	515	585	478
Iron ore, do	3	2	138	53	91	61	38
Manufactured iron and steel, 1,000 short tons	396	194	76	119	160	61	51
General merchandise, do	1,238	1,263	500	600	740	703	581

Source: Annual Report of the Chief of Engineers, United States Army.

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No. 438.—OHIO RIVER TRAFFIC: TONNAGE, TON-MILEAGE, AND FREIGHT

NOTE.—Figures exclude ferry traffic. In 1930 the tons of freight carried on ferries were reported as 1,580,073 but the hauls, of course, are very short. The passenger traffic other than on ferries for 1930 was: Passengers, 1,526,727; passenger miles, 19,603,102. Leaders indicate data not available.

Year	Freight carried	Ton-miles	Value of freight	Year	Freight carried	Ton-miles	Value of freight
	1,000 short tons	*Thousands*	*1,000 dollars*		*1,000 short tons*	*Thousands*	*1,000 dollars*
1918	6,171	315,504	77,685	1929—Total	21,955	1,512,585	192,308
1919	5,004	604,751	88,912	Up	2,890	----------	28,113
1920	9,382	1,183,915	223,443	Down	6,975	----------	47,377
1921	7,308	844,895	93,275	Inbound	8,604	----------	86,415
1922	6,292	807,793	144,796	Outbound	3,486	----------	30,403
1923	8,281	----------	110,022				
1924	10,867	----------	128,356	1930—Total	22,337	1,473,927	188,245
1925	15,737	825,497	151,622	Up	3,403	----------	22,525
1926	19,755	----------	150,086	Down	6,635	----------	49,163
1927	20,129	1,214,491	168,423	Inbound	8,854	----------	85,381
1928	20,938	1,344,687	191,519	Outbound	3,445	----------	31,176

No. 439.—PRINCIPAL COMMODITIES CARRIED ON THE OHIO RIVER

NOTE.—**In short tons of 2,000 pounds.** Ferry traffic is excluded. Totals include small items not shown.

Commodity	Total			1930			
	1928	1929	1930	Inbound	Outbound	Upbound	Downbound
Total	20,938,267	21,955,148	22,337,434	8,854,151	3,445,105	3,403,001	6,635,177
Animals and animal products	14,015	10,885	9,089	4,416	89	4,268	327
Livestock	7,675	4,992	4,082	2,074	89	1,688	231
Poultry and eggs	3,638	3,414	2,580	88	----------	2,469	23
Hides and leather	175	100	81	5	----------	3	73
Dairy products	483	427	366	304	----------	62	----------
Vegetable products	39,670	26,014	27,528	7,237	7,476	8,006	4,809
Groceries	10,312	7,903	5,939	52	3,192	568	2,127
Sugar and molasses	631	1,334	4,450	3,789	647	6	28
Grains	15,904	6,347	10,733	3,282	115	5,415	1,961
Flour	2,181	4,088	1,836	----------	945	712	179
Hay, feed, straw	2,576	2,115	1,365	130	502	399	334
Vegetables	3,001	1,287	1,322	4	1,175	143	----------
Textiles	833	1,215	2,899	2,600	----------	254	45
Dry goods	871	1,215	296	----------	----------	251	45
Sisal	----------	----------	2,437	2,437	----------	----------	----------
Wood and paper	396,169	318,571	338,620	304,293	494	9,285	24,548
Furniture	1,873	1,976	1,286	11	167	893	215
Logs and lumber	107,168	119,476	82,438	65,269	327	1,509	15,333
Railroad ties of wood	287,041	197,119	253,776	237,893	----------	6,883	9,000
Minerals, nonmetallic	18,899,242	19,774,673	20,160,905	7,684,622	2,959,148	3,332,319	6,184,816
Cement	85,025	116,437	131,930	27,448	5,495	56,605	42,382
Sand and gravel	8,521,531	8,709,329	8,875,121	72,900	2,735,623	2,414,715	3,651,883
Stone	425,555	304,882	650,779	131,625	----------	438,220	80,934
Coal	8,511,185	9,244,421	9,334,705	6,836,333	56,607	237,754	2,204,011
Coke	649,581	506,953	433,852	412,909	10,970	----------	9,973
Fluorspar	30,744	27,157	29,099	5,271	780	23,046	2
Crude oil	213,664	452,326	245,772	55,377	8,825	157,970	23,600
Gasoline and kerosene	107,033	136,014	203,000	95,279	83,499	2,641	21,581
Other refined oils	1,903	1,929	1,168	----------	173	629	366
Ores, metals, etc	1,346,584	1,595,120	1,630,147	795,880	463,001	4,955	366,311
Iron and steel, unmfd	650,287	842,945	813,647	360,918	381,329	658	70,742
Iron and steel, mfd	696,297	752,175	816,500	434,962	81,672	4,297	295,569
Machinery and vehicles	66,631	70,580	38,570	5,914	4,794	4,048	23,814
Machinery	12,711	10,255	14,090	5,761	1,831	2,386	4,112
Boats and barges	51,553	58,104	22,489	----------	2,796	361	19,332
Automobiles and trucks	2,367	2,221	1,991	153	167	1,301	370
Chemicals	39,390	37,685	36,429	29,353	709	1,569	4,798
Acids	32,688	29,136	27,821	27,510	----------	308	3
Fertilizers and materials	6,064	6,759	7,438	1,773	709	232	4,724
Unclassified	135,683	120,405	93,247	19,837	9,394	38,307	25,709

Source of Tables 438 and 439: Annual Report of the Chief of Engineers, United States Army.

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No. 440.—LOWER MISSISSIPPI RIVER TRAFFIC: FREIGHT BY SECTIONS, AND PETROLEUM AT BATON ROUGE

NOTE.—In short tons of 2,000 pounds. Each section of the river is treated separately and some of the traffic of each is duplicated in others. The section "Between Ohio and Illinois Rivers" for 1923 to 1927 was reported as "Between Ohio and Missouri Rivers." Ferry traffic is not included

Year	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans		Petroleum, Baton Rouge	
	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound	Downbound	Upbound to	Downbound from
1923	263,729	459,339	395,828	652,494	724,953	727,884	1,583,880	3,909,417	746,381	2,614,074
1924	300,009	438,719	528,431	624,590	917,475	748,965	1,589,202	6,044,975	766,463	3,872,316
1925	420,246	583,323	651,002	1,037,652	1,391,234	1,821,025	1,363,254	7,738,396	467,616	5,359,639
1926	420,379	585,600	732,729	927,459	1,165,142	3,627,638	1,462,325	9,612,163	529,590	6,116,517
1927	448,459	659,743	839,718	1,304,599	1,371,134	2,986,963	1,727,352	7,089,393	354,117	4,447,025
1928	474,173	956,010	855,631	1,675,625	1,856,842	2,946,998	1,630,541	6,974,085	379,942	4,601,718
1929	309,986	581,770	699,019	1,629,315	1,362,443	1,472,617	1,530,519	6,196,864	465,521	3,830,807
1930	341,158	585,799	726,417	2,104,930	949,015	1,428,553	2,540,936	6,636,769	206,187	3,566,642

	Between Ohio and Illinois Rivers		Cairo to Memphis		Memphis to Vicksburg		Vicksburg to New Orleans	
	1929	1930	1929	1930	1929	1930	1929	1930
Upbound	**309,986**	**341,158**	**699,019**	**726,417**	**1,362,443**	**949,015**	**1,530,519**	**2,540,936**
Coffee	12,204	11,430	14,490	13,618	19,436	19,820	19,500	21,927
Sugar	95,776	93,732	281,649	221,753	383,115	312,690	402,846	352,059
Sisal	20,102	13,444	30,355	18,846	30,415	17,533	30,406	17,533
Burlap and bagging	13,165	18,154	13,561	23,158	18,075	30,918	18,107	31,730
Logs, barged	31,170	29,880	43,596	76,061	174,455	65,714	19,526	44,883
Petroleum and products	1,251	117	15,076	18,563	21,091	9,760	738,597	1,712,590
Receipts at Baton Rouge [1]							465,521	206,187
Gravel and sand		4,950	16,536	138,800	53,696	142,021		
Cement	2,772	36,079		760	3,430		1,174	394
Bauxite ore		128	136,928		136,928		136,928	
Sulphur	5,180	21,280	26,750	85,886	26,750	85,886	26,750	85,886
All other	128,366	111,964	120,078	128,972	495,052	264,673	136,685	273,934
Downbound	**581,770**	**585,799**	**1,629,315**	**2,104,930**	**1,472,617**	**1,428,553**	**6,196,864**	**6,636,769**
Wheat	62,341	123,056	97,549	168,298	97,549	174,802	97,549	174,802
Corn	9,232	9,378	55,363	9,390	55,363	9,380	55,388	9,431
Fruits and vegetables	16,253	14,897	40,697	42,348	29,695	30,623	25,877	25,609
Tobacco		28	511	1,274	11,450	17,208	11,449	17,226
Cotton, raw			7	6	65,877	59,490	96,174	109,201
Logs, barged	23,538	17,673	167,898	58,200	156,445	67,145	15,477	143,469
Logs, rafted or floated	959	1,138	130,320	65,500	119,393	97,561	58,444	61,577
Coal and coke	8,888	17,578	150,535	142,075	49,511	68,599	295	5,396
Petroleum and products	6,494	4,699	161	2,155	10,171	22,152	5,315,974	5,689,064
Receipts at Baton Rouge							959,217	624,109
Shipments from Baton Rouge							3,830,807	3,566,642
Stone	172,035	230,730	82,135	129,193	189,148	47,550	6,738	7,307
Gravel and sand		17	196,888	511,199	65,365	290,998		44,568
Iron and steel manufactures	29,960	39,391	347,864	466,948	144,944	106,509	135,314	97,519
Machinery	20,635	20,888	33,413	33,234	198,339	87,330	31,872	30,083
All other	231,435	106,326	325,974	475,110	279,367	349,206	346,313	221,517

[1] No upbound shipments from Baton Rouge in 1929 and 1930.

Source: Annual Report of the Chief of Engineers, United States Army.

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No. 441.—UNITED STATES MERCHANT MARINE: DOCUMENTED TONNAGE

NOTE.—For definition of "gross ton" see general note, p. 399. All data after 1840 are as of June 30

Year	Number			Thousands of gross tons			Tonnage (thousands of gross tons) employed in—			
	Total	Steam and motor	All other[1]	Total	Steam and motor	All other[1]	Foreign trade	Coastwise and internal trade	Whale fisheries	Cod and mackerel fisheries
1789[2]				202		202	124	69		9
1800[2]				972		972	667	272	3	29
1810[2]				1,425		1,425	981	405	4	35
1820[2,3]				1,280		1,280	584	588	36	72
1830[2,3]				1,192	64	1,127	538	517	40	98
1840[4]				2,181	202	1,978	763	1,177	137	104
1850				3,535	526	3,010	1,440	1,798	146	152
1860				5,354	868	4,486	2,379	2,645	167	163
1870	28,998	3,524	25,474	4,247	1,075	3,171	1,449	2,638	68	91
1880	24,712	4,717	19,995	4,068	1,212	2,856	1,314	2,638	38	78
1890	23,467	5,965	17,502	4,424	1,859	2,565	928	3,409	19	68
1900	23,333	7,053	16,280	5,165	2,658	2,507	817	4,287	10	52
1910	25,740	12,452	13,288	7,508	4,900	2,608	783	6,669	9	47
1915	26,701	15,948	10,753	8,389	5,944	2,446	1,863	6,486	9	32
1919	27,513	17,651	9,862	12,907	10,416	2,492	6,665	6,201	4	36
1920	28,193	18,814	9,369	16,324	13,826	2,501	9,925	6,358	4	38
1921	28,012	19,071	8,941	18,282	15,745	2,537	11,077	7,163	4	37
1922	27,358	18,960	8,398	18,463	15,982	2,481	10,720	7,703	4	36
1923	27,017	18,946	8,071	18,285	15,821	2,463	9,069	9,177	4	35
1924	26,575	18,750	7,825	17,741	15,315	2,425	8,794	8,911	3	32
1925	26,367	18,637	7,730	17,406	14,976	2,430	8,151	9,216	4	35
1926	26,343	18,689	7,654	17,311	14,848	2,463	7,719	9,552	3	38
1927	25,778	18,384	7,394	16,888	14,507	2,381	7,309	9,533	8	38
1928	25,385	18,270	7,115	16,683	14,347	2,336	6,934	9,706	7	36
1929	25,326	18,319	7,007	16,477	14,162	2,315	6,906	9,526	7	39
1930	25,214	18,211	7,003	16,068	13,757	2,311	6,296	9,723	7	42
1931	25,471	18,236	7,235	15,908	13,528	2,380	5,576	10,286	7	40

Classes	Number					Thousands of gross tons				
	1910	1920	1925	1930	1931	1910	1920	1925	1930	1931
By utilization:										
Registered—										
Foreign trade	1,490	5,932	4,695	4,175	3,944	783	9,925	8,151	6,296	5,574
Whale fisheries	36	26	19	14	18	9	4	4	7	9
Enrolled—										
Coasting and internal trade	13,654	12,181	12,586	12,497	12,971	6,555	6,233	9,097	9,608	10,170
Cod and mackerel fisheries	395	196	185	261	262	39	32	29	36	34
Licensed—										
Coasting and internal trade	9,328	9,463	8,599	8,004	8,023	114	124	119	115	115
Cod and mackerel fisheries	837	385	283	263	253	8	8	6	6	6
By location:										
Atlantic and Gulf[5]	17,084	16,850	15,723	14,321	14,535	3,523	9,739	11,108	9,904	9,869
Pacific[6]	3,574	6,512	6,035	6,466	6,527	937	3,326	3,282	3,227	3,089
Northern lakes	3,273	3,091	2,677	2,450	2,441	2,895	3,139	2,853	2,758	2,766
Western rivers	1,809	1,730	1,932	1,977	1,968	154	120	162	178	184
By power:										
Sail	8,947	4,030	2,533	1,584	1,447	1,655	1,272	1,125	757	673
Steam[7]	12,452	8,103	7,454	6,087	5,890	4,900	13,466	14,495	12,775	12,475
Motor[7]		10,711	11,183	12,124	12,346		357	481	982	1,053
Canal boats	674	448	342	226	203	74	52	40	29	26
Barges	3,667	4,891	4,855	5,193	5,585	878	1,177	1,264	1,525	1,681
By material:										
Wood	23,527	23,781	21,384	20,211	20,437	3,391	3,876	2,907	2,554	2,565
Metal	2,213	4,402	4,983	5,003	5,034	4,117	12,448	14,499	13,514	13,344

[1] Sailing vessels, canal boats, and barges. [2] Dec. 31.

[3] The decrease of tonnage arises principally from the registered tonnage having been corrected in 1818, 1829, and 1830 by striking off all vessels the registers of which were granted prior to 1815, which were supposed by the collectors to have been lost at sea, captured, etc.

[4] Sept. 30.

[5] Including Puerto Rico in all years shown and Virgin Islands beginning 1920.

[6] Including Hawaii and Alaska. [7] Motor vessels included in steam in 1910.

Source: Reports of the Commissioner of Navigation.

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No. 442.—UNITED STATES MERCHANT MARINE: LARGER SEAGOING VESSELS, BY CLASSES AND SIZE, AS OF JULY 1

NOTE.—For definition of "gross ton" see general note, p. 399. The number and tonnage reached their maximum in 1921

	Number					Thousands of gross tons				
	1921	1925	1929	1930	1931	1921	1925	1929	1930	1931
Vessels of 500 gross tons or over, total	3,723	3,143	2,581	2,409	2,265	13,234	12,056	10,978	10,482	10,132
Private ownership	1,925	1,925	1,953	1,931	1,868	5,241	6,217	7,662	7,818	7,893
Shipping Board [1]	1,798	1,218	628	478	397	7,994	5,840	3,316	2,664	2,239
Steam and motor	2,888	2,432	2,082	1,949	1,882	12,216	11,143	10,316	9,854	9,610
Sailing and unrigged	835	711	499	460	383	1,019	913	662	629	523
Foreign trade	2,559	1,702	1,230	1,117	1,001	10,621	7,517	6,571	5,009	5,489
Coasting trade	1,164	1,441	1,351	1,292	1,264	2,614	4,539	4,407	5,474	4,644
Steel	2,549	2,394	2,061	1,927	1,865	11,441	11,141	10,334	9,871	9,635
Wood	1,174	749	520	482	400	1,793	916	644	611	498
Power vessels of 1,000 gross tons and over, total	2,752	2,322	1,985	1,858	1,789	12,116	11,061	10,243	9,785	9,539
Steel	2,387	2,243	1,931	1,806	1,741	11,210	10,913	10,146	9,693	9,456
Wood	365	79	54	52	48	906	147	98	92	83
Passenger	238	193	201	200	199	1,271	1,227	1,323	1,348	1,386
Freight	2,145	1,739	1,403	1,273	1,194	8,620	7,477	6,542	6,023	5,609
Tank	351	375	367	371	382	2,124	2,274	2,303	2,339	2,470
Refrigerator	18	15	14	14	14	101	83	75	75	75
Steam engine	2,697	2,259	1,883	1,743	1,670	11,984	10,869	9,807	9,273	8,982
Oil burning	1,595	1,720	[3] 1,575	[2] 1,498	[3] 1,439	8,240	8,875	8,531	8,202	7,958
Coal burning	1,102	559	308	245	231	3,744	1,994	1,276	1,071	1,024
Oil engine (internal-combustion)	55	[3] 63	[3] 102	[3] 115	[3] 119	132	192	436	513	557
Size—gross tons:										
1,000 to 1,999	151	137	113	114	108	234	208	170	172	164
2,000 to 2,999	879	569	330	268	251	2,209	1,403	889	668	628
3,000 to 3,999	362	285	211	179	171	1,232	1,011	693	606	578
4,000 to 4,999	199	213	210	198	188	922	994	983	915	871
5,000 to 5,999	558	345	502	489	444	3,110	2,210	2,788	2,716	2,481
6,000 to 6,999	337	504	336	318	322	2,149	2,818	2,146	2,044	2,013
7,000 to 7,999	158	149	144	144	140	1,164	1,099	1,059	1,059	1,027
8,000 to 8,999	54	56	48	64	69	451	468	707	534	578
9,000 to 9,999	10	22	25	32	40	96	240	239	303	387
10,000 and over	44	42	66	52	56	548	611	570	767	812

[1] One thousand gross tons or over; the Shipping Board fleet is almost wholly of such vessels.
[2] Includes 9 vessels of 96,026 gross tons, equipped with electric drive.
[3] Includes 12 vessels of 40,533 gross tons, propelled by electrically driven screws.

No. 443.—VESSELS BUILT IN THE UNITED STATES AND DOCUMENTED FOR AMERICAN SHIPOWNERS: YEARS ENDED JUNE 30

Yearly average or year	Number	Gross tons	Year	Number	Gross tons
1797–1800		72,574	1913	1,475	346,155
1801–1810		[1] 102,452	1914	1,151	316,250
1811–1820		89,797	1915	1,157	225,122
1821–1830	790	89,372	1916	937	325,413
1831–1840	924	118,960	1917	1,297	664,479
1841–1850	1,195	185,309	1918	1,528	1,300,868
1851–1860	1,466	366,603	1919	1,953	3,326,621
1861–1870	1,654	299,602	1920	2,067	3,880,639
1871–1880	1,455	253,800	1921	1,361	2,265,115
1881–1890	1,056	230,197	1922	845	661,232
1891–1900	1,055	235,699	1923	770	335,630
1901–1910	1,311	418,178	1924	1,049	223,968
1911–1920	1,449	1,090,938	1925	967	199,846
1921–1925	998	737,158	1926	924	224,673
1926–1930	928	222,654	1927	917	245,144
1909	1,247	238,090	1928	969	257,180
1910	1,361	342,068	1929	808	128,976
1911	1,422	291,162	1930	1,020	254,296
1912	1,505	232,669	1931	1,302	386,906

[1] Nine-year average, there being no record of the tonnage for 1802.

Source of Tables 442 and 443: Reports of the Commissioner of Navigation.

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No. 444.—VESSELS BUILT IN UNITED STATES: By Classes and Regions

NOTE.—For definition of "gross ton" see general note p. 399. Data are for years ended June 30

Class and where built	1901–1910, average	1911–1915, average	1916–1920, average	1921–1925, average	1926–1930, average	1929	1930	1931
BUILT AND DOCUMENTED IN THE UNITED STATES								
Total number	1,311	1,342	1,556	998	928	808	1,020	1,302
Gross tons	418,178	282,272	1,899,604	737,190	222,054	128,976	254,296	388,906
Sailing number	300	70	82	38	9	13	8	4
Gross tons	59,857	16,339	70,599	27,685	365	797	210	52
Steam and motor number	681	911	1,111	697	646	570	677	682
Gross tons	287,593	200,669	1,734,296	639,341	148,737	75,725	172,969	212,996
Canal boats number	46	36	19	9	5	5		1
Gross tons	5,022	4,099	2,613	1,043	952	967		258
Barges number	284	325	344	254	268	220	335	615
Gross tons	65,705	61,164	92,096	69,121	71,999	51,487	81,117	173,600
Metal gross tons	270,852	181,166	1,511,043	631,109	151,808	78,121	167,081	212,213
Wood do	147,326	101,106	388,561	106,081	70,246	50,855	87,215	174,693
Gross tons built on:								
New England coast	59,491	21,474	112,835	45,913	10,874	12,766	18,601	26,639
Middle Atlantic and Gulf coasts	130,226	149,941	833,438	442,721	123,600	71,750	143,656	287,884
Pacific coast	34,482	34,439	687,076	174,926	28,612	20,253	30,859	41,248
Northern lakes	184,724	69,794	260,138	58,317	45,292	13,701	54,365	19,535
Western rivers	9,256	6,623	6,117	15,313	13,676	10,506	6,815	11,600

BUILT FOR FOREIGNERS[1]

	1916	1917	1918	1919	1920	1921	1922	1923	1926	1927	1928	1929	1930	1931
Number	36	41	22	59	23	33	10	4	7	9	12	12	11	10
Gross tons	2,949	124,560	48,531	121,098	39,507	65,938	55,991	17,408	272	610	1,228	1,209	2,746	2,385

[1] None were built for foreigners in 1924 and 1925.

Source: Reports of the Commissioner of Navigation.

No. 445.—MERCHANT VESSELS LAUNCHED: World Total and United States

NOTE.—Vessels of 100 gross tons and over. For definition of "gross ton" see general note, p. 399. Vessels under construction Dec. 31, 1931, numbered 281 of 1,403,795 gross tons

Calendar year	World				United States	
	Total		Steam and motor			
	Number	Gross tons	Number	Gross tons	Number	Gross tons
1910–1914, average	1,533	2,739,079	1,180	2,631,779	162	252,864
1915–1920, average [1]	1,488	4,046,860	1,296	3,918,746	518	1,877,382
1921–1925, average	942	2,578,620	830	2,531,592	99	313,321
1926–1930, average	873	2,468,515	808	2,427,929	74	158,788
1921	1,377	4,341,679	1,205	4,274,375	173	1,006,413
1922	851	2,467,084	745	2,425,729	59	119,138
1923	701	1,643,181	620	1,614,790	83	172,817
1924	924	2,247,751	838	2,200,741	79	139,463
1925	855	2,193,404	742	2,142,325	101	128,776
1926	600	1,674,977	525	1,630,134	78	150,613
1927	802	2,285,679	734	2,239,522	66	179,218
1928	869	2,699,239	809	2,660,321	63	91,357
1929	1,012	2,793,210	981	2,774,191	63	126,063
1930	1,084	2,889,472	991	2,835,476	100	246,687
1931	596	1,617,115	569	1,603,551	57	205,865

[1] Figures during the war period are shown only for allied and neutral countries.

Source: Lloyd's Register of Shipping.

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No. 446.—MERCHANT MARINE OF THE WORLD AND THE UNITED STATES

NOTE.—Vessels of 100 tons and over. Prior to 1919 tonnage figures are gross for steamers and net for sailing vessels, thereafter gross for both. Wooden vessels on the Great Lakes and vessels on the Caspian Sea are not included. Japanese sailing vessels and most sailing vessels belonging to Greece, Turkey, and southern Russia are not included. Figures for Philippine Islands are included with United States beginning with 1910. See general note, p. 399

Year	World total	United States	Year	World total	United States	Year	World total	United States
	1,000 tons	*1,000 tons*		*1,000 tons*	*1,000 tons*		*1,000 tons*	*1,000 tons*
1895	25,066	2,165	1920	57,314	16,049	1927	65,193	14,670
1900	28,957	2,750	1923	65,166	16,945	1928	66,955	14,633
1905	35,998	3,996	1924	64,024	15,957	1929	68,074	14,482
1910	41,913	5,059	1925	64,641	15,377	1930	69,608	14,046
1915	49,262	5,893	1926	64,784	14,879	1931	70,131	13,642

	Number					Thousands of tons (see headnote)					
	1910	1920	1925	1930	1931	1910	1914	1920	1925	1930	1931
World total	**30,058**	**31,595**	**32,916**	**32,713**	**32,344**	**41,915**	**49,090**	**57,314**	**64,641**	**69,608**	**70,131**
Steam and motor	22,008	26,513	29,205	29,996	29,952	37,291	45,404	53,905	62,380	68,024	68,723
Steel and iron	20,403	23,382	26,468	27,595	27,681	36,769	44,934	51,661	61,317	67,304	68,074
Wood and composite	1,605	3,131	2,737	2,401	2,271	521	470	2,244	1,063	720	649
Sailing	8,050	5,082	3,711	2,717	2,392	4,624	3,686	3,409	2,261	1,584	1,408
Steel and iron	2,115	1,314	919	742	719	2,508	2,095	1,524	954	654	613
Wood and composite	5,935	3,768	2,792	1,975	1,673	2,116	1,590	1,885	1,307	930	794
United States	**3,469**	**5,457**	**4,882**	**4,223**	**4,007**	**5,059**	**5,368**	**16,049**	**15,377**	**14,046**	**13,642**
Steam and motor	1,712	4,110	3,921	3,517	3,386	3,827	4,330	14,574	14,272	13,202	12,892
Steel and iron	1,270	3,242	3,349	3,001	2,918	3,602	4,120	13,341	13,882	12,914	12,643
Wood and composite	442	868	572	516	468	226	210	1,234	391	288	249
Sailing	1,757	1,347	961	706	621	1,232	1,038	1,475	1,105	844	750
Steel and iron	139	154	155	147	142	245	236	304	323	288	272
Wood and composite	1,618	1,193	806	559	479	987	803	1,171	782	556	478

No. 447.—EXPENSES AND REVENUES OF THE PANAMA CANAL

Year ended June 30—	Transit operations					Business operations		
	Tolls	Taxes, licenses, fees, fines, postal receipts, etc.	Total transit revenues	Net canal transit expenses	Net revenues (surplus)	Business revenues	Business expenses	Net revenues (surplus)
1917	5,631,782	176,617	5,808,399	6,788,048	[1] 979,649	7,579,588	7,540,161	39,428
1918	6,264,766	147,078	6,411,843	5,920,343	491,500	10,324,072	10,317,912	6,160
1919	6,156,119	197,898	6,354,017	6,112,195	241,822	13,684,881	13,623,854	61,027
1920	8,493,083	442,789	8,935,872	6,548,272	2,387,599	14,705,372	14,465,686	239,686
1921	11,261,919	778,197	12,040,117	9,328,300	2,711,817	15,232,317	14,668,106	564,211
Total, 1914 to 1921 [2]	44,565,501	1,901,291	46,466,792	45,986,067	480,725	70,840,125	69,979,538	860,587
Adjusted status to 1921 [2]	44,565,501	1,420,566	45,986,067	45,986,067		71,459,710	70,359,400	1,100,310
1922	11,193,383	192,209	11,385,592	7,919,018	3,466,575	7,747,228	7,423,968	323,259
1923	17,507,631	184,214	17,691,844	7,690,778	10,001,067	10,872,843	9,732,201	1,140,643
1924	24,289,603	392,251	24,681,854	8,373,905	16,307,949	12,968,777	12,067,153	901,624
1925	21,374,664	207,954	21,582,618	8,116,693	13,465,925	14,564,115	13,798,198	765,917
1926	22,927,456	217,680	23,145,137	7,993,468	15,151,668	15,874,478	15,033,168	841,310
1927	24,217,185	391,624	24,608,809	8,997,715	15,611,094	15,878,655	15,002,118	876,537
1928	26,943,513	232,533	27,176,046	8,951,201	18,224,845	16,929,247	16,192,528	736,719
1929	27,123,534	243,391	27,366,926	9,637,151	17,729,775	17,236,785	16,498,935	737,850
1930	27,077,117	349,255	27,426,373	9,343,921	18,082,452	19,865,895	19,104,924	760,972
1931	24,644,550	346,030	24,990,581	10,143,354	14,847,227	17,774,467	17,211,703	562,764
Grand total	271,864,139	4,177,707	276,041,846	133,153,271	142,888,575	221,172,201	212,424,296	8,747,905

[1] Deficit.

[2] To and including 1921 "Net revenues from business operations" shown in last column are included in "Taxes, licenses, etc.," "Total transit revenues," and "Net revenues from transit operations"; therefore the $480,725 shown under the latter is the net revenue to June 30, 1921, from all operations. In the adjusted total this item is transferred to "Surplus from business operations" by deducting from the amount shown in this column $379,862, which is added to "Business expenses." To "Business revenues," and to "Surplus from business operations," is also added $619,585 interest on public works in Panama and Colon received prior to June 30, 1921, but not taken up as a canal revenue.

Sources: Table 446, Lloyd's Register; Table 447, Report of the Governor of the Panama Canal.

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No. 448.—COMMERCIAL TRAFFIC THROUGH THE PANAMA CANAL: BY NATIONALITY OF VESSEL

NOTE.—See general note, p. 399. Net tonnage is according to Panama Canal measurement

Nationality and year ended June 30	Number of vessels	Net tonnage (thousands)	Tolls (thousands of dollars)	Tons of cargo (thousands)
Total traffic:				
1915–1931, total	64, 960	291, 747	272, 157	301, 062
1916	758	2, 396	2, 408	3, 094
1917	1, 803	5, 799	5, 627	7, 059
1918	2, 069	6, 574	6, 439	7, 532
1919	2, 024	6, 125	6, 173	6, 917
1920	2, 478	8, 546	8, 514	9, 374
1921	2, 892	11, 416	11, 277	11, 599
1922	2, 736	11, 417	11, 198	10, 885
1923	3, 967	18, 606	17, 508	19, 568
1924	5, 230	26, 149	24, 291	26, 995
1925	4, 673	22, 855	21, 401	23, 959
1926	5, 197	24, 775	22, 931	26, 037
1927	5, 475	26, 228	24, 229	27, 748
1928	6, 456	29, 459	26, 944	29, 631
1929	6, 413	29, 838	27, 127	30, 663
1930	6, 185	29, 981	27, 077	30, 030
1931	5, 529	27, 792	24, 645	25, 083
United States:				
1915–1931, total	29, 000	140, 160	130, 576	148, 402
1916	213	653	724	849
1917	404	1, 239	1, 238	1, 476
1918	567	1, 704	1, 714	2, 098
1919	784	2, 257	2, 327	2, 759
1920	1, 129	3, 791	3, 806	4, 547
1921	1, 210	4, 862	4, 785	5, 163
1922	1, 095	4, 972	4, 867	4, 951
1923	1, 994	10, 209	9, 474	11, 055
1924	2, 947	15, 807	14, 483	16, 654
1925	2, 326	12, 271	11, 302	13, 080
1926	2, 432	12, 565	11, 540	13, 711
1927	2, 685	13, 915	12, 720	15, 242
1928	2, 753	13, 753	12, 646	14, 249
1929	2, 700	13, 326	12, 300	14, 076
1930	2, 885	14, 534	13, 221	14, 499
1931	2, 417	12, 602	11, 426	11, 805
British:				
1915–1931, total	18, 438	84, 852	79, 744	81, 592
1930	1, 536	8, 007	7, 198	7, 573
1931	1, 390	7, 518	6, 581	5, 971
Norwegian:				
1915–1931, total	3, 447	13, 080	11, 641	14, 604
1930	371	1, 660	1, 410	1, 808
1931	363	1, 749	1, 404	1, 720
Japanese:				
1915–1931, total	2, 187	10, 346	10, 900	12, 713
1930	163	803	851	1, 010
1931	193	1, 020	1, 052	1, 105
Chilean:				
1915–1931, total	893	2, 816	2, 520	1, 651
1930	46	164	154	106
1931	42	171	167	99
Danish:				
1915–1931, total	1, 048	4, 082	3, 822	5, 231
1930	91	382	353	506
1931	120	611	520	606
Dutch:				
1915–1931, total	1, 371	6, 587	5, 924	6, 626
1930	141	671	572	619
1931	125	579	473	478
Peruvian:				
1915–1931, total	917	2, 342	1, 806	1, 487
1930	2	9	10	13
1931	2	7	9	7
French:				
1915–1931, total	1, 250	5, 356	5, 328	5, 165
1930	124	628	583	577
1931	110	610	523	508
Swedish:				
1915–1931, total	980	4, 133	3, 457	5, 894
1930	125	572	473	832
1931	111	528	425	722
Spanish:				
1917–1931, total	382	1, 243	1, 201	890
1930	2	4	6	8
1931	9	23	22	27
Italian:				
1915–1931, total	707	3, 525	3, 428	2, 516
1930	66	429	385	264
1931	67	468	405	237
German:				
1920–1931, total	2, 315	8, 715	7, 732	9, 329
1930	377	1, 433	1, 236	1, 388
1931	369	1, 412	1, 204	1, 262
Miscellaneous:				
1915–1931, total	2, 025	4, 511	4, 078	4, 962
1930	256	684	625	827
1931	211	494	435	536

No. 449.—COMMERCIAL TRAFFIC THROUGH PANAMA CANAL: BY DIRECTION

NOTE.—A to P = Atlantic to Pacific; P to A = Pacific to Atlantic. See also general note, p. 399

Years ended June 30—	Number of vessels	Thousands of gross tons	Thousands of net tons[1]	Thousands of cargo tons		
				Total	A to P	P to A
1917	1, 803	8, 531	5, 799	7, 059	2, 929	4, 129
1918	2, 069	9, 371	6, 574	7, 532	2, 639	4, 893
1919	2, 024	7, 877	6, 125	6, 917	2, 740	4, 176
1920	2, 478	11, 060	8, 546	9, 374	4, 093	5, 282
1921	2, 892	14, 522	11, 416	11, 599	5, 892	5, 707
1922	2, 736	14, 361	11, 417	10, 885	5, 496	5, 389
1923	3, 967	23, 633	18, 606	19, 568	7, 086	12, 482
1924	5, 230	33, 412	26, 149	26, 995	7, 860	19, 135
1925	4, 673	29, 148	22, 855	23, 959	7, 398	16, 560
1926	5, 197	31, 673	24, 775	26, 037	8, 037	18, 000
1927	5, 475	33, 556	26, 228	27, 748	8, 583	19, 165
1928	6, 456	37, 203	29, 459	29, 631	8, 310	21, 321
1929	6, 413	37, 465	29, 838	30, 663	9, 883	20, 780
1930	6, 185	37, 431	29, 981	30, 030	9, 476	20, 555
1931	5, 529	34, 233	27, 792	25, 083	6, 680	18, 402

[1] Panama Canal measurement.

Source of Tables 448 and 449: Report of the Governor of the Panama Canal.

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No. 450.—CARGO TONNAGE THROUGH PANAMA CANAL: BY ORIGIN AND DESTINATION, YEARS ENDED DECEMBER 31

[In thousands of cargo tons of 2,240 pounds]

Origin and destination	Atlantic to Pacific			Origin and destination	Pacific to Atlantic		
	1929	1930	1931		1929	1930	1931
Grand total	10,166	8,064	5,974	**Grand total**	21,284	19,784	16,074
To W. coast United States[1]	4,434	3,536	2,826	To E. coast United States	12,079	11,144	8,666
To W. coast other N. America	589	479	412	To E. coast other N. America	1,076	1,072	985
To W. coast S. America	1,578	1,192	552	To Europe	7,963	7,401	6,317
To Asia	2,098	1,797	1,585	To Africa and S. America	166	167	[2] 106
To Australasia	1,468	1,061	598	**From W. coast United States, total[1]**	11,009	10,557	8,340
From E. coast United States, total	6,609	5,237	4,249	To E. coast United States	7,545	6,982	5,866
To W. coast United States[1]	3,467	2,804	2,288	To E. coast other N. America	217	294	203
To W. coast other N. America	86	78	76	To Europe	3,193	3,209	2,209
To W. coast S. America	427	311	174	To Africa and S. America	55	71	[2] 61
To Asia	2,014	1,739	1,541	**From W. coast other N. America, total**	2,366	2,372	2,188
To Australasia	615	305	170	To E. coast N. America	586	563	388
From E. coast other N. America, total	772	614	366	To Europe	1,765	1,786	1,773
To W. coast N. America	328	224	222	To Africa and S. America	15	23	28
To W. coast S. America	179	150	79	**From W. coast S. America, total**	6,237	4,953	3,692
To Asia	54	25	10	To E. coast United States	3,260	2,718	1,592
To Australasia	210	214	55	To E. coast other N. America	524	441	510
From Europe, total	2,596	2,013	1,205	To Europe	2,358	1,722	1,573
To W. coast N. America	1,024	756	535	To Africa and S. America	95	72	17
To W. coast S. America	940	728	295	**From Asia and Australasia, total**	1,671	1,902	1,854
To Asia and Australasia	632	529	375	To E. coast N. America	1,024	1,218	1,092
From E. coast S. America and Africa, total	189	201	155	To Europe	646	684	762
				To E. coast S. America	2	1	------

[1] Including Hawaii.

[2] Includes 2 050 tons to Asia.

No. 451.—MARINE WRECKS AND CASUALTIES OCCURRING TO VESSELS OF THE UNITED STATES: BY REGIONS

NOTE.—The table covers all disasters involving damage or loss amounting to $300 or more. The figures exclude some reports of casualties to United States vessels received after the closing of the report for the year which are not distributed by regions. Casualties to United States vessels in the Panama Canal Zone are not included in the table

Yearly average or year ended June 30—	Number of vessels		Vessel capacity—1,000 tons		Losses—1,000 dollars		Persons on board		Lives lost
	Complete loss	Partial loss	Complete loss	Partial loss	To vessel	To cargo	Passengers	Crews	
Total:									
1905–1910	358	1,091	145	1,666	10,781	2,671	17,038	21,954	461
1911–1915	296	952	126	1,496	9,551	2,341	17,389	22,295	288
1916–1920	322	678	192	1,487	39,440	13,803	9,889	19,733	651
1921–1925	253	665	113	1,808	18,794	4,374	10,207	19,859	189
1926–1930	273	780	122	2,258	17,648	4,159	11,830	23,372	219
1929	283	819	204	2,229	16,243	4,342	12,721	23,217	163
1930	253	651	85	1,970	21,126	2,678	8,749	20,555	310
1931	220	445	54	1,378	12,153	1,816	7,019	15,520	139
Atlantic, Gulf, and Pacific coasts:									
1921–1925	148	370	58	802	8,856	1,895	5,996	9,908	98
1926–1930	167	451	56	1,162	9,233	1,783	6,600	12,541	116
1930	154	378	44	1,010	8,565	957	4,736	10,903	164
1931	127	233	24	598	6,401	1,519	3,209	7,167	82
Great Lakes:									
1921–1925	20	92	11	357	1,894	192	1,491	2,586	25
1926–1930	20	90	15	315	2,433	318	1,433	2,388	31
1930	20	73	26	265	2,870	1,148	342	1,890	95
1931	11	34	7	102	888	57	40	840	27
Rivers of the United States:									
1921–1925	45	86	7	160	1,815	127	820	1,881	12
1926–1930	54	103	5	224	1,542	110	1,548	2,414	14
1930	48	85	3	200	1,157	45	1,471	2,049	21
1931	60	68	11	168	1,639	43	1,165	2,050	10
At sea and on foreign coasts:									
1921–1925	39	118	36	490	6,230	2,161	1,900	5,484	55
1926–1930	32	136	45	557	4,440	1,947	2,250	6,029	58
1930	31	115	12	496	8,534	528	2,200	5,713	30
1931	22	110	12	509	3,224	197	2,605	5,463	20

Sources: Table 450, Panama Canal Record; Table 451, U. S. Coast Guard, Treasury Department.

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No. 452.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: NET APPROPRIATIONS AND ALLOTMENTS FROM INCEPTION TO JULY 1, 1932

For fiscal years ended prior to July 1, 1930	**$3,603,360,923**
United States Shipping Board	5,320,667
United States Shipping Board Merchant Fleet Corporation	3,598,540,256
Act of Sept. 7, 1916, permanent fund	50,000,000
Acts from June 15, 1917, to June 12, 1922, emergency shipping fund	3,325,863,502
Acts of Feb. 13, 1923, June 7, 1924, Mar. 3, 1925, Apr. 22, 1926, Feb. 11, 1927, May 16, 1928, and Feb. 20, 1929, current maintenance and operations	159,434,250
Act of June 12, 1922, claims, damage charges, and miscellaneous adjustments	38,254,185
Acts of Apr. 17, 1917, and July 1, 1918, national security and defense (presidential allotments)	24,988,319
For fiscal year ended June 30, 1931	**6,346,000**
United States Shipping Board	396,000
United States Shipping Board Merchant Fleet Corporation—for current maintenance and operations	5,950,000
For fiscal year ending June 30, 1932	**42,406,000**
United States Shipping Board	35,436,000
United States Shipping Board Merchant Fleet Corporation	6,970,000
Current maintenance and operations	1,970,000
Operation of trade lines, ex-purchasers (expenditures on approval of President of the United States)	5,000,000
Net appropriations and allotments to June 30, 1932	**3,652,612,923**

No. 453.—VESSELS CONTROLLED BY THE UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: AS OF DECEMBER 31

NOTE.—For definition of dead-weight tons see general note, p. 399. The number of tugs is shown under "All other" except as noted; there is no tonnage for these

Origin and class	1930	1931	
	Dead-weight tons	Number	Dead-weight tons
Grand total	**3,660,232**	**367**	**3,133,010**
ORIGIN			
Requisitioned steel	677,423	63	568,323
Contract steel	2,853,586	280	2,410,440
Contract wood or concrete	7,500	[1] 5	7,500
Purchased	92,798	11	92,798
Seized enemy	28,925	5	53,949
All other		[2] 3	
CLASS			
Steel	**3,652,732**	**362**	**3,125,510**
Cargo (completed)	3,556,055	344	3,003,809
Cargo and passenger	17,000	4	42,024
Refrigerators	70,277	10	70,277
All other	9,400	[2] 4	9,400

Class	1930	1931	
	Dead-weight tons	Number	Dead-weight tons
Wood, composite, and concrete	**7,500**	**[1] 5**	**7,500**
Active steel	**1,477,753**	**127**	**1,123,077**
Cargo	1,477,753	124	1,123,077
All other		[2] 3	
Inactive steel	**2,174,979**	**235**	**2,002,433**
Cargo	2,087,702	221	1,890,132
Cargo and passenger	17,000	4	42,024
Refrigerators	70,277	10	70,277
Wood, composite, and concrete, active and inactive	**7,500**	**[1] 5**	**7,500**

[1] Includes 4 tugs.

[2] Includes 3 steel tugs.

No. 454.—SHIPPING BOARD VESSELS SOLD: BY TYPE

Type	1927		1928		1929		1930		1931	
	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]	Number	Dead-weight tons [1]
Grand total	**49**	**304,921**	**82**	**692,876**	**186**	**1,245,544**	**95**	**713,591**	**77**	**598,962**
Steel vessels	48	304,921	81	692,876	185	1,245,544	95	713,591	75	598,962
Cargo	37	215,175	76	649,602	168	1,075,426	94	713,591	72	572,768
Passenger	1	11,000			11	115,330			1	12,300
Tankers	9	71,668	4	34,574	6	54,788				
All other			1	8,700			1		2	13,894
For conversion to Diesel—Tankers	1	7,078								
Wood vessels	**1**		**1**		**1**				**2**	

[1] See general note, p. 399. No tonnage is shown on tugs; the number includes tugs.

Source of Tables 452, 453, and 454: United States Shipping Board.

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No. 455.—UNITED STATES SHIPPING BOARD AND UNITED STATES SHIPPING BOARD MERCHANT FLEET CORPORATION: STATEMENT OF PROFIT AND LOSS (EXCLUDING LIQUIDATION) FISCAL YEAR ENDED JUNE 30, 1931

[All money figures in thousands of dollars]

	Grand total	Ocean freighters	Chartered vessels		Grand total	Ocean freighters	Chartered vessels
Number of voyages terminated	680	672	8	Profit or *loss* on vessel operations	[2] 7,269	[2] 7,366	97
Cargo carried 1,000 tons	2,748	2,748		Expenses of inactive vessels	361	361	
Voyage revenue [1]	16,203	16,026	177	Administrative expense	2,496	2,496	
Operating costs, total [1]	23,472	23,392	80	Miscellaneous income, net	790	790	
Voyage expense	19,790	19,790		Net *loss*	9,336		
Adjustment	119	119					
Insurance	1,182	1,102	80				
Repairs—							
Maintenance	2,301	2,301					
Betterments	28	28					
Advertising	52	52					

[1] Estimated. [2] Loss.

No. 456.—CARGO TONNAGE OF FOREIGN AND INTERCOASTAL COMMERCE

NOTE.—In thousands of cargo tons of 2,240 pounds. Coastwise trade other than from Atlantic and Gulf to Pacific and vice versa is not included

	Total United States ports [1]			Atlantic coast ports			Gulf coast ports		
	1928	1929	1930	1928	1929	1930	1928	1929	1930
Total commerce	[2] 120,069	[2] 123,320	[2] 111,052	59,193	63,148	56,473	22,581	24,358	20,589
Inbound	59,105	63,770	59,228	38,039	42,959	40,136	6,724	7,298	5,448
Outbound	70,326	70,101	60,868	21,154	20,189	16,337	15,857	17,060	15,141
With foreign countries [3]	106,224	108,460	97,293	49,342	52,631	47,167	21,350	22,829	19,029
Imports	47,395	50,985	47,562	30,924	35,437	33,225	6,325	6,754	4,801
Exports	58,829	57,475	49,731	18,418	17,194	13,942	15,025	16,075	14,228
Intercoastal				8,614	9,498	8,050	748	1,053	994
Inbound	9,362	10,551	9,044	6,363	6,931	6,073	324	456	429
Outbound	9,362	10,551	9,044	2,251	2,567	1,977	424	597	565
With noncontiguous territories [4]	4,483	4,309	4,715	1,237	1,019	1,256	483	476	566
Imports	2,348	2,234	2,622	752	591	838	75	88	218
Exports	2,135	2,075	2,093	485	428	418	408	388	348

	Pacific coast ports			Great Lakes ports			Ports in all territories and possessions [5]		
Total commerce	28,592	30,143	26,807	19,065	16,222	16,227	[6] 9,692	[6] 8,060	[6] 8,156
Inbound	7,223	7,904	7,013	7,119	5,609	6,631	[6] 5,742	[6] 4,473	[6] 4,143
Outbound	21,369	22,239	19,794	11,946	10,613	9,596	[6] 3,950	[6] 3,587	[6] 4,013
With foreign countries [3]	16,467	16,778	14,870	19,065	16,222	16,227	[6] 1,964	[6] 631	[6] 575
Imports	3,027	3,185	2,905	7,119	5,609	6,631	[6] 1,519	[6] 578	[6] 530
Exports	13,440	13,593	11,965	11,946	10,613	9,596	[6] 445	[6] 53	[6] 45
Intercoastal	9,362	10,551	9,044						
Inbound	2,675	3,164	2,542						
Outbound	6,687	7,387	6,502						
With noncontiguous territories [4]	2,763	2,814	2,893				[1] 7,728	[1] 7,429	[1] 7,581
Imports	1,521	1,555	1,566				[1] 4,223	[1] 3,895	[1] 3,613
Exports	1,242	1,259	1,327				[1] 3,505	[1] 3,534	[1] 3,968

[1] Continental United States.
[2] Duplication in intercoastal trade is eliminated.
[3] In showing trade of Continental United States ports, Philippine Islands, Virgin Islands, and Canal Zone are included with foreign countries.
[4] Alaska, Hawaii, Puerto Rico, Guam, Samoa.
[5] Territories and possessions named in notes 3 and 4.
[6] Excluding trade with foreign countries of Canal Zone, Guam, Samoa, Virgin Islands, and, in 1929 and 1930, also Philippine Islands; data not available.

Sources of Tables 455 and 456: United States Shipping Board.

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No. 457.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS

NOTE.—**In thousands of cargo tons of 2,240 pounds.** This and the following tables do not include cargoes (small in aggregate) carried by ships of less than 100 tons gross capacity

	Imports in vessels of—					Exports in vessels of—				
	Total	U. S. Shipping Board	Independent American	British	Other	Total	U. S. Shipping Board	Independent American	British	Other
Total:										
1921	33,057	4,835	18,635	9,587		48,431	7,254	11,150	30,027	
1922	44,682	5,269	22,665	8,600	8,148	42,502	6,644	10,205	14,109	11,544
1923	43,296	3,031	19,753	9,218	11,294	49,080	6,903	9,286	18,824	14,067
1924	40,899	2,663	19,630	8,406	10,200	52,261	6,663	11,653	18,867	15,078
1925	43,135	2,285	18,930	9,586	12,334	49,666	5,624	10,092	18,386	15,564
1926	44,686	2,888	18,217	10,702	12,879	68,140	5,591	11,531	28,269	22,749
1927	42,183	2,195	19,263	9,328	11,397	56,935	6,185	12,510	20,728	17,512
1928	47,395	2,063	22,124	10,591	12,617	58,829	5,071	14,217	21,147	18,394
1929	50,985	1,824	23,408	12,173	13,580	57,475	4,618	13,303	20,624	18,930
1930	47,562	1,429	23,394	10,451	12,289	49,731	3,236	11,678	17,210	17,607
1931	35,864	1,086	16,028	7,288	11,462	40,049	2,605	8,463	13,518	15,463
Per cent distribution:										
1921	100.0	15	56	29		100.0	15	23	62	
1930	100.0	3	49	22	26	100.0	7	23	35	35
1931	100.0	3	45	20	32	100.0	6	21	34	39
Dry cargoes:										
1921	15,695	2,173	6,192	7,330		42,451	6,529	9,483	26,439	
1922	25,526	3,162	8,106	7,259	6,999	36,032	6,386	8,144	11,276	10,256
1923	27,962	2,724	8,253	7,531	9,454	39,592	6,713	7,104	13,985	11,790
1924	26,242	2,267	8,462	6,914	8,599	41,204	6,460	8,290	14,146	12,308
1925	30,352	2,077	9,691	8,065	10,519	39,298	5,467	6,592	14,387	12,852
1926	32,085	2,323	9,132	9,386	11,244	55,851	5,486	7,838	23,222	19,305
1927	30,740	2,027	10,381	8,165	10,167	43,416	5,986	8,617	15,449	13,364
1928	32,988	2,052	11,347	8,889	10,700	43,940	5,017	9,923	15,990	13,010
1929	34,318	1,817	11,018	10,013	11,470	42,698	4,610	9,664	15,827	12,597
1930	31,656	1,429	11,606	8,533	10,088	35,362	3,236	8,433	13,150	10,543
Per cent distribution:										
1921	100.0	14	39	47		100.0	15	23	62	
1930	100.0	4	37	27	32	100.0	9	24	37	30
Tanker cargoes:										
1921	17,362	2,662	12,443	2,257		5,980	725	1,667	3,588	
1922	19,156	2,107	14,559	1,341	1,149	6,440	258	2,061	2,833	1,288
1923	15,334	307	11,500	1,687	1,840	9,488	190	2,182	4,839	2,277
1924	14,657	396	11,168	1,492	1,601	11,057	203	3,363	4,721	2,770
1925	12,783	208	9,238	1,522	1,815	10,368	157	3,500	3,999	2,712
1926	12,601	565	9,085	1,316	1,635	12,289	105	3,693	5,047	3,444
1927	11,443	168	8,882	1,163	1,230	13,519	199	3,893	5,279	4,148
1928	14,407	11	10,777	1,702	1,917	14,889	54	4,294	5,157	5,394
1929	16,667	7	12,390	2,160	2,110	14,777	8	3,639	4,797	6,333
1930	15,907	-------	11,788	1,918	2,201	14,369	-------	3,245	4,060	7,064
Per cent distribution:										
1921	100.0	15	72	13		100.0	12	28	60	
1930	100.0	-------	74	12	14	100.0	-------	23	28	49
North Atlantic ports:										
1926	26,449	1,894	8,782	6,720	9,053	33,994	2,164	3,352	15,330	13,148
1927	25,860	1,358	10,400	5,955	8,147	18,648	2,234	2,972	6,447	6,995
1928	29,309	1,197	12,315	7,035	8,762	17,710	2,070	3,295	6,082	6,263
1929	33,807	1,278	14,224	8,436	9,869	16,278	1,896	2,976	5,499	5,907
1930	31,477	1,013	13,896	7,547	9,021	13,132	1,282	2,435	4,405	5,010
South Atlantic ports:										
1926	2,165	121	1,003	349	692	1,354	220	69	486	579
1927	1,577	138	655	285	499	1,126	231	48	286	561
1928	1,615	202	438	318	657	707	156	78	191	282
1929	1,630	34	755	228	613	916	45	231	262	378
1930	1,748	46	878	267	557	810	49	218	275	268
Gulf ports:										
1926	8,185	552	4,304	1,062	2,266	13,304	2,445	2,043	3,650	5,166
1927	6,094	412	2,919	850	1,914	13,935	2,849	2,034	3,476	5,576
1928	6,325	480	2,915	767	2,163	15,025	2,622	1,978	3,864	6,561
1929	6,754	508	3,286	994	1,966	16,075	2,657	2,115	4,480	6,823
1930	4,801	369	2,076	625	1,731	14,229	1,886	1,795	3,443	7,105
Pacific ports:										
1926	2,712	320	681	877	834	11,450	762	2,912	4,021	3,755
1927	2,835	287	911	865	772	13,316	871	3,386	4,810	4,249
1928	3,027	184	1,088	821	934	13,441	223	4,103	4,250	4,865
1929	3,185	4	1,324	752	1,105	13,593	20	4,060	3,738	5,775
1930	2,905	1	1,200	729	975	11,965	19	3,624	3,105	5,217
Great Lakes ports:										
1926	5,175	-------	3,447	1,694	34	8,038	-------	3,155	4,782	101
1927	5,817	-------	4,378	1,374	65	9,910	-------	4,070	5,709	131
1928	7,119	-------	5,368	1,650	101	11,946	-------	4,763	6,760	423
1929	5,609	-------	3,819	1,763	27	10,613	-------	3,921	6,645	47
1930	6,632	-------	5,344	1,283	5	9,595	-------	3,606	5,982	7

Source: Bureau of Research, United States Shipping Board.

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No. 458.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY TRADE REGIONS AND INDIVIDUAL COUNTRIES

NOTE.—**In cargo tons of 2,240 pounds.** Note that a country may appear in part under one trade region and in part under another. Minor countries are omitted but their trade is included in regional totals

Foreign origin or destination	Imports			Exports		
	1928	1929	1930	1928	1929	1930
Grand total	47,395,432	50,985,224	47,562,416	58,829,894	57,475,357	49,730,870
United Kingdom	1,662,074	1,588,992	1,395,915	8,199,134	7,952,079	7,561,352
England	1,214,635	1,207,356	922,556	7,077,398	6,895,582	6,655,968
Ireland	2,854	4,328	9,379	403,766	447,416	412,780
Scotland	190,547	187,463	177,747	604,512	535,566	429,696
Wales	254,038	189,847	286,233	113,458	73,515	62,908
North Atlantic and Baltic Europe	1,027,956	1,566,624	1,789,162	1,897,377	1,899,433	1,619,315
Greenland	6,360	6,200	6,500	10	16	3
U. S. S. R. (Russia)	47,710	76,888	391,255	123,849	132,337	73,922
Finland	129,808	173,511	173,895	102,737	103,962	86,107
Norway	197,345	323,813	357,139	260,892	253,608	266,405
Sweden	592,384	909,477	742,752	500,722	443,853	491,616
Denmark	38,559	56,389	31,565	736,942	738,144	609,128
Danzig	11,870	14,284	18,673	126,303	140,697	35,858
Poland		822	15,163		759	5,600
Germany	626		6	17,293	51,402	34,977
Estonia	730		1,164	3,543		
Latvia				19,949	12,235	4,150
Lithuania	1,071	3,833		5,137	23,520	11,549
Havre-Hamburg range	3,985,297	3,650,352	3,098,283	8,901,028	8,841,917	8,080,577
Germany	1,246,234	1,363,396	1,313,331	3,711,828	3,633,697	3,005,661
Netherlands	876,062	797,890	637,313	2,599,931	2,277,009	2,046,428
Belgium	1,482,293	1,242,365	942,438	1,483,425	1,338,028	1,423,567
France	380,708	246,701	205,201	1,105,844	1,593,183	1,604,921
South Atlantic Europe	585,383	622,394	529,605	1,353,747	874,499	855,045
France	40,129	43,900	37,669	915,896	385,215	403,278
Portugal	55,711	73,784	41,042	121,070	110,386	134,175
Spain	468,955	504,139	450,165	237,959	298,941	255,725
Azores Islands	463	413	203	12,805	13,680	3,738
Canary Islands	110	157	207	59,299	60,046	51,730
Madeira	15	1	319	6,718	6,161	6,399
West Mediterranean	1,172,442	1,023,383	1,011,058	2,705,672	2,382,541	2,388,669
Spain	172,781	194,884	206,571	382,431	389,023	327,834
France	85,838	96,013	89,389	532,791	502,547	439,717
Italy	427,833	499,403	409,059	1,613,945	1,752,454	1,399,832
Yugoslavia	19,462	13,035	6,677	12,822	18,985	23,771
Malta	56	67	12	10,088	19,443	8,720
Tunisia	97,327	26,837	24,938	30,587	30,869	26,140
Algeria	369,145	192,541	242,902	106,866	159,371	156,883
Morocco		1	31,510	16,142	9,849	5,772
East Mediterranean and Black Sea	299,461	688,964	731,983	552,574	660,936	535,489
Rumania	2,547	2,937	5,299	23,182	20,693	10,207
U. S. S. R. (Russia)	151,283	479,838	537,255	40,803	93,760	173,602
Turkey	40,687	41,973	47,310	32,084	24,333	14,958
Cyprus	3,116	4,032	2,233	126	388	1
Greece	38,727	58,249	83,759	253,158	294,241	209,150
Egypt	57,858	86,834	49,276	164,709	195,009	110,085
Palestine	134	5,404	166	9,786	10,126	8,025
Syria	5,063	8,384	5,966	28,439	22,068	8,188
West Indies	9,840,772	12,479,722	11,240,957	3,247,062	3,540,968	3,130,073
Cuba	4,627,572	5,932,546	3,782,737	2,049,079	2,127,758	1,725,702
Jamaica	271,122	272,690	349,128	153,068	179,152	145,674
Bahama Islands	24,865	24,837	17,785	39,330	34,855	34,539
Haiti	28,690	36,260	35,452	109,215	72,639	59,522
Dominican Republic	160,087	146,391	133,683	129,831	123,959	86,017
Lesser Antilles	4,718,414	6,061,229	6,918,976	725,741	965,526	1,036,121
Bermudas	10,022	5,769	3,196	40,798	37,079	42,498
Mexico	3,748,757	2,536,705	2,087,990	493,800	602,179	582,378
Central America	1,515,912	1,546,085	1,205,201	1,917,132	1,389,205	1,168,061
British Honduras	60,450	79,358	46,236	12,902	12,900	14,378
Guatemala	200,212	202,121	147,183	172,094	119,604	71,309
Honduras	725,579	755,603	614,411	144,442	92,287	82,172
Nicaragua	138,432	145,847	105,247	63,050	54,637	48,215
Costa Rica	157,669	129,678	90,753	62,990	40,982	27,825
Panama	40,456	39,960	53,082	21,539	9,809	19,233
Canal Zone	181,141	180,870	134,476	1,381,375	987,833	867,596
El Salvador	11,983	12,648	13,813	58,740	71,153	37,333

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No. 458.—Cargo Tonnage of Water-Borne Imports and Exports: By Trade Regions and Individual Countries—Continued

Foreign origin or destination	Imports			Exports		
	1928	1929	1930	1928	1929	1930
North Coast South America	5,221,744	6,991,897	6,014,781	581,158	498,063	332,133
Venezuela	3,178,714	4,871,067	3,603,541	287,851	265,912	174,831
British Guiana	178,078	173,202	124,624	26,279	17,794	14,218
Surinam (Netherland Guiana)	182,212	218,057	257,893	19,636	15,889	16,907
French Guiana	9	9	22	2,352	2,528	2,590
Colombia	1,682,731	1,729,562	2,028,701	245,040	185,940	123,587
East Coast South America	1,521,146	1,763,717	1,517,039	3,151,058	2,905,506	2,129,137
Brazil	728,863	784,645	753,221	1,019,406	992,102	707,730
Uruguay	44,591	56,503	51,511	354,830	300,351	262,210
Argentina	732,314	914,599	700,235	1,762,086	1,613,053	1,159,117
South Atlantic Islands	15,378	7,970	12,072	14,736	----------	80
West Coast South America	3,005,622	3,429,494	2,961,422	1,516,342	1,617,259	1,152,551
Colombia	20,180	20,438	23,756	71,637	52,076	24,776
Chile	2,635,673	2,926,790	2,463,742	1,158,371	1,238,852	921,823
Peru	229,631	329,365	306,691	258,561	288,337	184,852
Ecuador	120,138	152,891	167,233	27,774	37,994	21,100
West Africa	215,842	288,717	288,042	281,323	249,155	251,910
Morocco	33,866	35,803	20,869	34,613	46,756	52,458
Cape Verde Islands	112	67	21	9,305	2,832	5,699
Senegal	2,040	5,120	4,279	34,483	16,008	18,037
Gambia	----------	----------	----------	2,561	1,811	1,502
Sierra Leone	469	899	724	9,669	9,264	9,057
Liberia	1,009	371	263	4,081	2,849	1,636
Ivory Coast	19,597	22,997	24,732	8,174	8,895	8,978
Gold Coast	91,648	116,363	136,448	63,468	61,121	49,108
Togo	----------	54	21	4,640	4,296	3,400
Dahomey	1,928	2,077	2,484	5,997	6,963	6,834
Nigeria	42,021	87,011	72,102	60,169	46,675	48,201
Cameroons	1,996	2,706	1,399	6,992	6,432	7,215
Gabon	----------	18	65	3,474	2,982	6,395
Belgian Congo	21,096	13,133	23,340	13,361	11,371	13,573
Southwest Africa	----------	1,000	1,275	7,635	6,250	6,029
Angola	22	1	8	8,035	9,685	8,212
South and East Africa	231,379	280,707	265,897	460,388	553,554	452,851
Union of South Africa	31,971	42,218	48,959	321,047	380,829	299,942
Mozambique	181,974	231,874	209,880	93,681	122,494	99,598
British East Africa	[1] 15,477	[1] 5,281	[1] 4,803	[1] 28,744	[1] 29,155	[1] 35,658
Madagascar	1,462	263	1,342	7,401	10,669	8,129
Mauritius Island	206	126	----------	7,610	6,680	5,552
Australasia	156,449	256,632	220,628	1,779,095	1,946,361	1,391,934
New Guinea	7,785	23,179	17,218	3,604	3,068	3,840
New Zealand	59,746	65,837	58,463	474,620	504,824	479,899
Australia	57,592	103,398	257,491	1,254,187	1,391,862	870,587
Fiji Islands	2,558	15,276	15,337	8,541	7,826	6,898
New Caledonia	7,868	23,510	41,215	5,654	6,603	2,351
Society Islands	9,880	11,893	9,181	8,696	10,921	8,487
Solomon Islands	2,902	3,362	2,274	2,633	80	241
Tasmania	203	149	277	17,028	16,432	13,723
East Indies	703,490	950,262	887,226	406,558	497,249	361,099
Straits Settlements	354,568	491,787	462,736	92,842	103,151	78,418
French Indo-China and Siam	160	86	2,749	40,969	73,683	32,850
Sumatra	88,520	87,010	96,670	50,344	75,063	63,333
Java	228,938	334,595	277,698	196,075	229,706	168,394
Borneo	5,211	4,938	6,796	17,576	4,349	4,403
Celebes	23,490	25,969	29,845	10,697	7,542	8,971
East Asia	1,566,382	1,798,761	1,854,382	6,969,147	6,944,028	5,795,706
China	279,136	263,372	268,435	1,808,044	1,980,475	1,534,058
U. S. S. R. (Russia)	250	178	2,045	4,467	6,688	11,761
Japan	318,662	418,392	377,978	4,594,274	4,262,874	3,689,295
Philippine Islands	968,334	1,116,819	1,206,354	592,362	693,991	560,592
India, Persian Gulf, and Red Sea	867,833	1,006,562	963,476	302,329	310,530	350,568
Anglo Egyptian Sudan	9,021	5,477	5,665	1,386	2,075	2,284
Egypt	7,102	85,926	12,994	2,022	1,500	452
Aden	5,430	9,705	3,922	3,890	2,898	2,503
Iraq	35,052	28,947	21,292	63	----------	----------
Arabia	200	195	24	2,231	2,002	992
India	734,836	789,671	740,054	244,629	266,496	310,874
Ceylon	76,192	86,641	79,525	48,608	28,833	33,463
Canada	10,087,491	8,515,084	9,448,694	14,090,971	13,319,766	11,592,022
Pacific	1,294,979	1,236,705	1,143,194	1,067,774	1,228,756	1,095,457
Atlantic and Newfoundland	1,673,224	1,669,131	1,673,997	1,077,189	1,478,103	900,903
Great Lakes	7,119,288	5,609,248	6,631,493	11,946,008	10,612,907	9,595,662

[1] Kenya and Tanganyika Territory only.

Source: Bureau of Research, United States Shipping Board.

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No. 459.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY STATES AND INDIVIDUAL PORTS

NOTE.—In cargo tons of 2,240 pounds. State totals cover all tonnage, including small ports not shown

State and port	Imports			Exports		
	1928	1929	1930	1928	1929	1930
North Atlantic District	**28,444,626**	**33,807,315**	**31,436,551**	**17,027,090**	**16,278,871**	**13,110,198**
Maine, total	568,526	689,886	952,571	114,141	99,955	79,748
Portland	521,214	637,199	740,749	111,841	96,455	79,400
New Hampshire: Portsmouth	14,545	62,540	58,475	143	71	101
Vermont		1,329	585			
Massachusetts, total	3,298,218	3,606,503	3,328,741	367,094	310,453	286,598
Boston	2,149,131	2,417,629	2,385,564	342,019	307,428	275,327
Everett	326,097	231,965	88,748	9,878		
Fall River	596,570	673,516	729,875	8,020	7	2,023
Rhode Island, total	270,421	551,674	685,751	292	2,638	586
Providence	270,421	551,674	684,031	292	2,638	357
Connecticut, total	41,089	56,763	47,435			10
New Haven	18,305	25,986	11,113			10
New York, total [1]	15,284,747	17,283,108	15,406,822	10,866,540	9,951,692	7,879,572
New York [1]	15,252,217	17,240,325	15,318,601	10,857,949	9,937,668	7,862,282
New Jersey: Paulsboro		10,468		15,199	19,580	21,913
Pennsylvania: Philadelphia [1]	3,561,880	4,662,835	4,209,169	1,748,821	1,918,415	1,773,323
Delaware, total	553,224	457,595	416,546	769	6,868	952
Claymont	124,402	126,104	144,153			530
Wilmington	428,822	331,491	272,393	769	6,868	422
Maryland: Baltimore	4,324,637	5,696,641	5,502,169	1,562,387	1,440,382	969,485
District of Columbia		585				
Virginia, total	527,339	727,388	828,287	2,351,634	2,528,817	2,097,910
Newport News	68,752	125,737	112,853	679,113	855,447	664,964
Norfolk	458,587	601,651	715,434	1,672,521	1,670,491	1,430,291
South Atlantic District	**1,595,488**	**1,630,332**	**1,740,599**	**692,542**	**915,313**	**809,875**
North Carolina: Wilmington	254,799	226,593	244,707	23,749	24,883	13,293
South Carolina, total	597,418	424,758	403,983	157,082	182,696	189,015
Charleston	597,418	424,758	403,983	157,070	180,352	180,818
Georgia, total	388,667	499,598	510,497	277,077	414,618	336,184
Brunswick	49,610	42,239	29,689	41,666	61,376	51,814
Savannah	339,057	457,359	480,808	235,411	353,242	284,370
Florida, east coast, total	354,604	479,383	581,412	234,634	293,616	271,383
Fernandina				68,106	55,919	65,382
Jacksonville	247,455	385,690	401,924	139,796	218,061	189,632
Miami	106,939	93,693	178,124	26,317	17,423	15,544
Gulf District	**6,298,657**	**6,753,727**	**4,793,366**	**14,902,417**	**16,074,873**	**14,250,975**
Florida, west coast, total	415,979	468,921	398,725	1,299,966	1,762,970	1,695,881
Boca Grande	3,288			78,862	109,743	167,992
Key West	135,226	148,042	102,959	215,008	240,596	189,680
Pensacola	136,969	166,370	117,467	220,173	229,355	234,115
Tampa	140,496	154,509	178,299	700,900	1,103,387	1,089,638
Alabama: Mobile	475,123	412,751	344,897	649,228	590,420	431,095
Mississippi, total	40,889	49,764	77,791	308,608	281,821	236,339
Gulfport	40,889	49,764	77,791	303,058	276,759	236,339
Louisiana, total	4,482,970	4,571,396	3,117,414	5,001,386	5,263,148	4,172,917
Baton Rouge	220,123	360,370	162,458	1,006,297	1,044,929	957,143
Lake Charles	4,378	20,042	25,858	39,903	76,584	94,860
New Orleans	4,258,469	4,146,327	2,929,598	3,920,662	4,061,470	3,088,445
Texas, total	883,696	1,250,895	860,539	7,643,229	8,236,514	7,714,743
Beaumont	5,597	9,454	7,062	692,386	531,591	467,256
Corpus Christi	7,539	7,410	4,806	209,835	625,032	297,383
Freeport				186,931	268,609	167,277
Galveston	317,484	345,977	304,029	1,633,691	1,874,286	1,317,876
Houston	306,256	365,832	339,222	3,530,377	3,575,044	4,165,243
Orange	10,562	14,140	11,064	85,761	51,559	34,378
Port Arthur	167,378	431,534	121,743	1,054,520	1,127,755	1,099,914
Sabine				2,850	40,450	8,400
Texas City	68,380	67,493	61,813	226,854	117,486	127,056

[1] Includes commerce of New Jersey ports which enters or clears through this customhouse.

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No. 459.—Cargo Tonnage of Water-Borne Imports and Exports: By States and Individual Ports—Continued

State and port	Imports			Exports		
	1928	1929	1930	1928	1929	1930
Pacific District	3,026,488	3,184,602	2,904,927	13,412,108	13,592,893	11,966,736
California, total	1,766,722	1,909,998	1,796,613	8,793,298	8,885,094	8,446,339
Eureka				58,219	57,712	23,183
Los Angeles	601,491	684,762	647,169	5,738,897	6,054,084	5,854,936
San Diego	24,079	31,392	21,780	3,862	8,036	10,793
San Francisco [1]	1,139,000	1,193,824	1,127,301	2,541,806	2,482,408	2,060,105
Port San Luis		20	67	438,508	262,833	491,073
Oregon, total	125,771	113,811	103,056	1,785,804	1,827,217	1,445,036
Astoria	1,192	240	234	151,192	132,657	80,353
Coos Bay [2]				150,379	120,346	128,669
Portland	121,957	108,871	95,132	1,309,967	1,376,761	1,117,459
Prescott				26,661	34,665	24,956
Wauna				59,229	92,968	53,004
Westport				29,613	39,665	21,304
Washington, total	1,133,993	1,160,793	1,005,258	2,833,006	2,880,582	2,075,361
Anacortes	82,920	76,089	30,545	44,432	36,346	26,139
Bellingham	15,808	17,642	16,183	98,822	81,585	70,624
Everett	4,255	8,227	14,567	234,939	217,098	201,841
Grays Harbor [3]	1,828	1,960	1,693	601,555	610,767	347,180
Longview	152	1,355	2,729	121,833	128,211	112,068
Olympia	701	121	1,687	195,143	228,615	219,052
Port Angeles	115,272	154,026	164,176	22,725	40,856	13,550
Port Townsend	12,834	44,792	40,772	9,793	9,359	11,083
Seattle	448,519	444,731	359,865	720,079	718,424	520,292
Tacoma	386,038	390,962	364,315	600,595	666,743	486,175
Vancouver		1,562		28,125	14,484	572
Willapa Harbor [4]				19,101	31,835	13,484
Great Lakes District	7,109,251	5,609,248	6,631,498	11,942,470	10,612,907	9,597,262
New York, total	5,364,690	2,931,867	3,077,085	3,485,302	2,814,430	2,455,097
Buffalo	4,833,615	2,464,750	2,627,369	1,866,973	728,101	826,889
Ogdensburg	154,250	148,470	141,348	209		4,239
Oswego	900	7,747	299	47,517	42,139	41,954
Rochester	183,740	137,918	112,979	1,069,491	1,182,148	860,221
Sodus Point				486,646	827,135	701,268
Tonawanda	43,695	25,168	19,020		3,076	
Waddington	138,942	108,579	129,800			
Pennsylvania: Erie	74,225	100,392	419,041	26,745	96,841	1,206,612
Ohio, total	641,238	704,172	871,202	5,021,143	5,074,832	4,334,554
Ashtabula			3,342	546,313	255,499	365,348
Cleveland	163,123	148,340	120,051	203,170	616,027	654,055
Conneaut				93,102	159,592	110,742
Fairport	284,479	24,120	12,281	1,016,586	505,839	266,632
Lorain	2,982	13,775	10,132	341,971	498,167	464,793
Sandusky	80,905	51,132	49,563	999,399	1,185,639	967,991
Toledo	109,749	466,005	673,707	1,870,602	1,825,674	1,486,311
Indiana	1,500	1,786	2,421	44,057	51,198	135,059
Illinois, total	225,015	305,389	277,861	172,244	136,499	89,890
Chicago	225,015	305,389	277,861	172,244	136,499	75,109
Michigan, total	603,527	1,350,389	1,656,783	954,739	775,622	678,989
Algonac				71,245	44,165	23,250
Bay City	21,361	63,369	46,902		95	39,851
Calcite				43,779	42,265	
Detroit	416,997	774,930	1,295,597	212,011	178,579	175,229
Escanaba				366,065	369,305	215,178
Marquette					107,400	157,150
Muskegon	48,470	34,860	31,790		2,550	
Wyandotte	49,431	117,686	145,570	2,930	5,183	1,050
Wisconsin, total	140,625	167,787	205,618	1,562,891	1,410,243	552,297
Ashland	100,000	120,000	142,848	186,392	220,510	109,783
Milwaukee	11,441	10,352	12,082	23,743	23,952	11,287
Superior	5,300	5,768	8,451	1,346,506	1,153,067	425,589
Minnesota, total	58,431	47,466	121,482	625,349	253,242	144,764
Duluth	58,431	47,466	121,482	599,154	250,692	141,531

[1] Includes all ports within San Francisco Bay.
[2] Includes Marshfield.
[3] Includes Aberdeen and Hoquiam.
[4] Includes Raymond and South Bend.

Source: Bureau of Research, United States Shipping Board.

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No. 460.—CARGO TONNAGE OF WATER-BORNE IMPORTS AND EXPORTS: BY MAJOR COMMODITIES AND BY COASTAL DISTRICTS

NOTE.—**In thousands of cargo tons of 2,240 pounds.** Leaders indicate no data, or less than 500 tons

Commodity	1927	1928	1929	1930					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Imports, total	42,183	47,395	50,985	47,562	31,477	1,748	4,801	2,905	6,631
Wheat	3,475	4,430	2,195	2,585	3	----	----	1	2,581
Other grains	623	778	316	348	130	3	10	37	168
Oil seeds	506	437	663	378	333	----	----	34	11
Vegetable oils	345	383	532	502	374	1	50	77	----
Vegetables and vegetable products, n. e. s.	651	777	884	800	579	24	46	151	----
Animal, fish, and dairy products	389	412	440	376	272	1	34	68	1
Bananas	1,531	1,656	1,743	1,535	811	36	613	75	----
Coconuts and copra	264	309	327	341	64	1	54	222	----
Other fruits and nuts	276	328	295	302	222	----	64	16	----
Sugar	3,590	3,380	4,399	3,104	2,240	157	597	110	----
Molasses	1,195	1,334	1,567	1,262	775	3	471	13	----
Coffee	667	681	690	751	468	3	193	87	----
Cocoa	198	173	229	170	164	----	----	6	----
Tobacco and manufactures	58	50	45	46	39	----	3	4	----
Cotton	93	74	99	61	53	----	----	8	----
Cotton manufactures	98	96	82	63	35	----	3	25	----
Wool	110	103	114	69	61	----	----	8	----
Wool manufactures	34	35	28	15	14	----	----	1	----
Silk	20	32	38	29	4	----	----	25	----
Silk manufactures	37	21	16	8	7	----	----	1	----
Jute	103	98	92	46	44	1	----	1	----
Jute manufactures	319	350	328	343	189	14	115	25	----
Other vegetable fibers and grasses	300	360	363	286	146	2	53	61	24
Textiles and manufactures, n. e. s.	107	84	90	67	53	----	2	10	2
Hides, skins and manufactures	192	235	248	188	183	----	----	5	----
Furs and fur skins	14	14	13	11	10	----	----	1	----
Rubber	459	481	566	526	489	2	1	34	----
Pulp wood and wood pulp	2,051	2,081	2,144	2,731	1,710	----	18	51	952
Paper stock, n. e. s.	175	223	236	145	126	3	2	14	----
Paper and manufactures	445	468	467	638	258	20	105	132	123
Clays	352	320	346	295	268	1	4	10	12
Clay and manufactures	293	244	143	88	45	----	4	39	----
Coal and coke	449	620	665	825	680	----	----	102	43
Petroleum and products	10,036	12,844	14,833	14,424	12,542	801	1,060	6	15
Gypsum	753	939	930	808	726	----	6	76	----
Pyrites	283	460	509	403	360	15	----	28	----
Non-metallic minerals, n. e. s.	1,830	1,855	3,068	3,338	559	1	42	174	2,562
Iron ores	2,797	2,611	3,430	3,163	3,133	----	14	16	----
Manganese and manganese ore	616	526	760	607	557	----	24	4	22
Iron and steel and manufactures	722	792	706	547	324	5	85	133	----
Copper and manufactures	564	557	584	513	296	----	----	217	----
Miscellaneous metals and mfrs.	728	734	752	671	201	----	351	119	----
Logs and lumber	1,576	1,404	1,541	1,220	716	4	93	366	41
Dyeing and tanning materials	197	219	166	169	151	----	13	5	----
Potash	542	757	755	796	302	294	185	11	
Nitrates	829	1,173	1,094	683	135	274	210	64	----
Other fertilizers	136	268	262	214	68	62	41	43	----
Pigments, chemicals and mfrs., n. e. s.	645	658	671	584	257	18	214	95	----
All others	510	531	521	488	301	2	21	94	70
Exports, total	56,935	58,329	57,475	49,731	13,132	810	14,228	11,985	9,596
Wheat	7,610	6,324	4,509	4,544	1,997	----	1,088	630	829
Rye	1,019	441	76	21	9	----	----	----	12
Corn	295	694	689	103	71	----	9	2	21
Barley	1,250	1,650	955	283	33	----	9	192	49
Oats	152	185	117	33	15	2	4	1	11
Rice	144	165	165	118	5	----	91	22	----
Other grains	138	127	108	29	19	1	7	2	----
Wheat flour	1,401	1,352	1,431	1,290	647	3	314	323	3
Oil-cake and meal	714	512	548	214	172	----	34	8	----
Vegetables and vegetable products, n. e. s.	343	277	234	239	187	2	25	24	1
Animal, fish, and dairy products	746	753	774	626	402	17	100	107	----
Fruits and nuts	745	827	790	743	273	4	7	459	----
Sugar	167	196	121	135	113	----	18	3	1
Naval stores	391	264	374	321	10	243	64	4	----
Tobacco and manufactures	272	324	286	292	223	8	52	9	----
Cotton	2,125	1,902	1,736	1,501	40	158	1,234	69	----
Cotton manufactures	103	77	66	45	32	10	3	----	----
Other textiles and manufactures	103	100	111	90	78	----	9	2	1
Hides, skins, and manufactures	29	28	21	22	18	----	----	4	----
Rubber and manufactures	59	70	83	77	59	----	3	12	3
Paper stock and manufactures	186	230	279	244	121	3	19	100	1

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No. 460.—Cargo Tonnage of Water-Borne Imports and Exports: By Major Commodities and by Coastal Districts—Continued

Commodity	1927	1928	1929	1930					
				Total	North Atlantic	South Atlantic	Gulf	Pacific	Great Lakes
Exports—Continued.									
Coal and Coke	8,409	9,074	9,992	9,685	2,071	70	128	5	7,411
Petroleum and products	16,512	17,864	17,944	17,046	2,515	4	7,120	7,215	192
Sulphur	799	655	852	574	17	-------	538	1	18
Cement	131	128	111	106	71	1	30	4	-------
Nonmetallic minerals and mfrs., n. e. s.	442	742	433	333	98	9	44	47	135
Iron ores	744	971	1,255	746	8	-------	-------	-------	738
Iron, steel, and manufactures	1,552	1,963	1,972	1,284	880	37	172	55	140
Machinery	492	604	706	550	486	-------	38	24	2
Vehicles	654	969	1,046	572	551	-------	4	17	-------
Copper and manufactures	443	457	387	318	240	-------	15	60	3
Ores, metals and manufactures, n. e. s.	281	308	297	255	67	-------	168	20	-------
Logs and lumber	5,430	5,617	5,583	4,169	150	168	1,582	2,265	4
Phosphates	924	833	1,122	1,228	51	66	1,102	2	7
Other fertilizers	220	199	268	187	161	1	9	16	-------
Pigments, chemicals and mfrs., n. e. s.	454	497	533	510	282	-------	114	109	5
All others	1,456	1,450	1,501	1,198	960	3	74	152	9

Source: Bureau of Research, United States Shipping Board.

No. 461.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE

Note.—Domestic trade is not included. For definition of net tonnage see general note, p. 399. Figures cover years ended June 30 to and including 1918, calendar years thereafter. Owing to the marked effect of the war on shipping a special average for the 6½ years July 1, 1914, to Dec. 31, 1920, is presented

[In thousands of net tons]

Yearly average or year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports
1840 [1]	1,788	501	1,861	492
1850	3,169	1,179	3,167	1,194
1860	5,000	3,275	5,257	3,533
1870	6,270	2,886	6,362	2,807
1871–1875	8,462	2,997	8,514	2,994
1876–1880	12,134	2,792	12,197	2,807
1881–1885	13,604	2,931	13,781	2,917
1886–1890	13,479	2,602	13,655	2,593
1891–1895	16,801	2,816	16,965	2,876
1896–1900	20,931	3,989	21,077	4,007
1901–1905	24,551	5,939	24,633	5,918
1906–1910	29,651	8,071	29,156	8,036
1911–1915	36,035	11,879	35,954	12,061
1915–1920 [2]	38,071	13,440	40,137	13,511
1921–1925	52,959	13,334	53,578	13,075
1926–1930	63,768	15,293	64,441	15,319
1910–1914	35,212	11,408	34,965	11,614
1914–1920 [3]	37,604	13,169	39,417	13,190
1886	12,230	2,906	12,413	2,915
1887	13,532	2,284	13,511	2,242
1888	12,956	2,437	13,252	2,417
1889	13,312	2,640	13,672	2,671
1890	15,366	2,741	15,429	2,720
1891	15,394	2,810	15,411	2,850
1892	18,180	2,833	18,258	2,903
1893	16,679	2,903	16,825	2,936
1894	17,025	2,965	17,306	2,966
1895	16,725	2,570	17,024	2,727
1896	17,453	3,536	17,819	3,596
1897	20,003	3,757	19,878	3,831
1898	21,700	3,879	21,892	3,856
1899	21,963	4,148	22,177	4,099
1900	23,534	4,629	23,618	4,663

Year	Entered		Cleared	
	Seaports	Other ports	Seaports	Other ports
1901	24,791	4,977	24,889	4,931
1902	24,361	6,293	24,242	6,202
1903	24,698	6,396	24,823	6,493
1904	24,111	5,841	24,192	5,824
1905	24,793	6,190	25,020	6,138
1906	27,401	6,754	26,970	6,814
1907	29,248	7,374	28,499	7,491
1908	30,444	8,095	30,198	8,084
1909	30,243	8,815	29,604	8,592
1910	30,917	9,319	30,510	9,196
1911	32,457	10,218	32,299	10,138
1912	34,659	11,499	34,706	11,711
1913	37,973	12,666	37,566	13,586
1914	40,052	13,337	39,743	13,440
1915	35,032	11,678	35,458	11,427
1916	37,744	13,806	38,946	13,477
1917	36,521	13,951	38,094	13,983
1918	31,101	14,356	31,869	14,145
1918 (July–Dec.)	16,113	8,916	16,112	9,360
1919	36,381	10,320	40,750	10,506
1920	51,532	12,572	54,981	12,837
1921	49,958	12,327	50,423	12,242
1922	51,701	13,490	51,799	13,040
1923	52,775	13,544	53,215	13,409
1924	54,726	13,565	55,294	13,616
1925	55,636	13,742	57,160	13,069
1926	63,759	13,174	65,583	13,458
1927	58,921	15,389	59,759	15,682
1928	62,809	17,402	63,331	17,336
1929	66,852	15,749	67,030	15,313
1930	66,499	14,753	66,500	14,808
1931	60,427	12,355	61,204	12,297

[1] Year ended Sept. 30.
[2] Average for period July 1, 1915 to Dec. 31, 1920.
[3] Average for period July 1, 1914, to Dec. 31, 1920.
Source: Bureau of Foreign and Domestic Commerce.

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No. 462.—NET TONNAGE OF VESSELS ENTERED AND CLEARED IN FOREIGN TRADE: BY CUSTOMS DISTRICTS AND BY REGIONS

NOTE.—In thousands of net tons. See headnote, Table 461

Customs district	1928		1929		1930		1931	
	Entered	Cleared	Entered	Cleared	Entered	Cleared	Entered	Cleared
Grand total	80,211	80,667	82,602	82,343	81,253	81,307	72,782	73,501
Seaports, total	62,809	62,331	66,853	67,030	66,498	66,500	60,427	61,204
North Atlantic coast, total	31,071	29,048	32,670	30,784	32,954	30,954	30,551	29,333
Maine and New Hampshire	623	520	652	540	899	655	772	598
Massachusetts	4,257	2,846	4,335	3,105	4,088	2,907	3,986	3,128
Rhode Island	237	236	342	267	443	262	370	222
Connecticut	28	6	31	12	27	6	25	16
New York	22,873	23,607	23,954	24,876	24,545	25,213	23,026	23,635
Philadelphia	3,053	1,833	3,356	1,984	2,952	1,911	2,372	1,735
South Atlantic coast, total	4,607	6,070	5,520	6,640	5,428	6,015	4,604	4,960
Maryland	1,909	1,380	2,470	1,711	2,486	1,583	1,885	1,161
Virginia	551	2,383	830	2,409	713	1,956	811	1,602
North Carolina	170	74	136	85	139	88	122	95
South Carolina	416	343	337	235	337	254	263	166
Georgia	304	584	293	619	290	578	282	475
Puerto Rico	1,257	1,306	1,454	1,582	1,463	1,556	1,242	1,461
Gulf coast, total	11,629	12,437	12,120	12,802	10,982	12,019	9,144	10,244
Florida	2,476	2,044	2,788	2,295	2,716	2,550	2,343	2,069
Mobile	659	852	582	783	547	655	372	577
New Orleans	5,119	4,695	5,358	5,008	4,575	4,209	3,410	3,287
Sabine	765	963	806	891	635	798	725	890
Galveston	2,610	3,883	2,586	3,825	2,458	3,807	2,294	3,421
Mexican border: San Antonio	210	61	265	260	171	127	190	103
Pacific coast, total	15,292	15,715	16,278	16,545	17,015	17,385	15,938	16,564
Washington	6,273	6,278	6,856	6,436	7,409	6,746	7,200	6,682
Oregon	927	976	929	939	533	709	339	535
San Francisco	1,996	2,457	2,075	2,529	2,092	2,414	2,020	2,430
Los Angeles	4,792	4,573	5,054	5,210	5,012	5,718	4,204	5,061
Alaska	362	267	321	239	301	235	287	255
Hawaii	942	1,164	1,043	1,192	1,319	1,411	1,368	1,421
San Diego					348	152	519	181
Northern border, total	17,402	17,336	15,749	15,313	14,753	14,808	12,355	12,297
Vermont	5	6	5	6	4	4	5	5
St. Lawrence	1,239	872	1,142	861	1,088	826	667	603
Rochester	3,372	3,422	3,482	3,558	3,014	3,029	2,693	2,690
Buffalo	4,122	2,000	2,289	1,158	2,384	1,103	2,143	1,018
Ohio	4,179	5,430	3,910	5,448	4,326	5,510	3,777	4,278
Michigan	2,053	2,600	2,289	2,371	2,092	2,440	1,597	1,664
Chicago	228	490	286	383	246	493	236	512
Wisconsin	410	430	536	340	487	440	536	442
Duluth and Superior	1,794	2,026	1,810	1,189	1,112	962	703	1,086

Yearly average or year	Atlantic coast		Gulf coast		Pacific coast		Mexican border, total	Northern border	
	Total	With cargo	Total	With cargo	Total	With cargo		Total	With cargo
Entrances:									
1901–1905	17,427	15,149	4,056	1,770	3,068	2,286	-------	5,939	2,602
1906–1910	20,921	18,494	5,159	2,420	3,570	2,707	-------	8,072	3,207
1911–1915	24,293	20,708	6,635	3,377	5,055	3,649	52	11,879	4,564
1915–1920[1]	24,581	16,094	7,939	4,646	5,487	4,329	64	13,440	5,646
1921–1925	30,979	27,133	12,390	8,243	9,562	6,070	28	13,334	6,475
1926–1930	36,884	33,003	11,634	7,415	15,100	8,247	150	15,293	7,700
1928	35,678	33,438	11,629	7,020	15,292	8,249	210	17,402	8,571
1929	38,190	35,438	12,120	7,703	16,278	8,734	265	15,749	7,558
1930	38,382	35,594	10,932	6,932	17,015	9,674	171	14,753	7,418
1931	35,155	31,812	9,144	5,697	15,938	9,653	190	12,355	5,980
Clearances:									
1901–1905	17,077	15,714	4,499	4,328	3,057	2,418	-------	5,918	3,825
1906–1910	20,162	18,659	5,477	5,187	3,517	2,922	-------	8,036	5,673
1911–1915	23,608	21,765	7,193	6,414	5,104	4,643	50	12,060	8,567
1916–1920[1]	25,921	23,168	8,528	6,915	5,626	4,762	62	13,511	9,637
1921–1925	30,837	24,284	12,833	9,589	9,880	8,360	28	13,075	9,236
1926–1930	36,361	28,696	12,326	10,641	15,658	13,148	95	15,319	10,504
1928	35,118	27,488	12,437	10,879	15,715	13,184	61	17,336	11,698
1929	37,424	28,776	12,802	11,220	16,545	13,877	260	15,313	10,917
1930	36,969	28,379	12,019	10,594	17,385	14,406	127	14,808	9,809
1931	34,293	26,182	10,244	9,138	16,564	14,382	103	12,297	8,644

[1] July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

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No. 463.—NET TONNAGE OF VESSELS ENTERED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 461]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Per cent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,038	16,308	3,395	12,913	20.7	13,542	5,251	8,291	11,560	1,982
1891–1900	31,781	22,269	4,978	17,291	22.4	18,866	3,816	15,050	14,184	4,682
1901–1905	34,040	30,490	6,802	23,688	22.3	24,551	2,606	21,945	19,205	5,346
1906–1910	34,375	37,722	8,372	29,350	22.2	29,550	1,816	27,834	23,621	6,029
1911–1915	38,951	47,914	12,205	35,709	25.5	36,035	1,574	34,461	27,778	8,257
1915–1920 [1]	42,713	51,511	21,999	29,512	42.7	38,071	1,899	36,173	25,128	12,943
1921–1925	41,546	66,293	29,645	36,648	44.7	52,989	1,004	51,955	41,471	11,488
1926–1930	45,846	79,062	30,314	48,748	38.3	63,768	472	63,296	48,710	15,058
1910–1914	38,038	46,619	11,328	35,291	24.3	35,212	1,558	33,654	28,096	7,116
1914–1920 [2]	42,257	50,773	20,657	30,116	40.7	37,604	1,853	35,750	24,938	12,666
1918	40,512	45,456	19,284	26,172	42.4	31,101	1,789	29,312	21,147	9,954
1918 (July–Dec.)	23,032	25,029	11,006	14,023	44.0	16,113	932	15,181	9,649	6,464
1919	39,052	46,702	21,933	24,769	47.0	36,381	1,614	34,767	24,041	12,340
1920	45,637	64,104	32,119	31,985	50.1	51,531	1,847	49,684	35,387	16,144
1921	40,758	62,285	31,185	31,100	50.1	49,958	1,379	48,579	36,066	13,892
1922	40,926	65,191	31,738	33,453	48.7	51,701	1,104	50,597	43,219	8,482
1923	41,591	66,319	27,725	38,594	41.8	52,775	958	51,817	42,219	10,556
1924	42,435	68,292	29,628	38,664	43.4	54,726	849	53,877	42,403	12,323
1925	42,919	69,378	27,947	41,431	40.3	55,636	731	54,905	43,450	12,186
1926	44,757	76,933	26,890	50,043	35.0	63,759	549	63,210	45,113	18,646
1927	45,459	74,310	29,289	45,021	39.4	58,921	530	58,391	45,462	13,458
1928	48,252	80,211	31,285	48,926	39.0	62,809	453	62,356	48,757	14,052
1929	46,687	82,602	32,241	50,361	39.0	66,853	456	66,397	51,919	14,934
1930	44,076	81,253	31,966	49,387	39.2	66,499	373	66,127	52,298	14,201
1931	36,373	72,782	26,907	45,875	37.0	60,427	241	60,186	47,265	13,162

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Per cent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,933	2,559	10,609	9,001	21.7	2,766	1,976	462	2,304
1891–1900	3,619	2,956	15,247	11,228	19.2	3,403	1,589	1,359	2,044
1901–1905	3,962	3,246	20,589	15,960	16.1	5,939	2,602	2,840	3,099
1906–1910	4,175	3,471	25,475	20,150	14.1	8,072	3,207	4,197	3,875
1911–1915	5,276	4,200	30,759	23,578	14.6	11,879	4,564	6,929	4,950
1915–1920 [1]	14,508	11,375	23,563	13,753	38.1	13,440	5,646	7,490	5,950
1921–1925	22,526	18,404	30,433	23,068	42.5	13,334	6,455	7,119	6,215
1926–1930	23,182	18,809	40,586	29,901	36.4	15,293	7,700	7,132	8,162
1910–1914	4,753	3,787	30,459	24,309	13.5	11,407	4,501	6,575	4,832
1914–1920 [2]	13,327	10,481	24,276	14,456	35.4	13,169	5,430	7,330	5,840
1918	11,256	9,136	19,845	12,011	36.2	14,355	5,400	8,027	6,328
1918 (July–Dec.)	5,747	4,595	10,366	5,054	35.7	8,916	2,704	5,259	3,657
1919	16,224	12,294	20,157	11,747	44.6	10,321	3,763	5,709	4,612
1920	26,225	19,322	25,306	15,565	50.9	12,573	5,852	5,894	6,679
1921	24,402	18,620	25,556	17,446	48.8	12,327	5,672	6,783	5,544
1922	23,633	20,308	28,068	22,911	45.7	13,490	6,178	8,105	5,385
1923	20,984	17,790	31,791	24,429	39.8	13,544	6,766	6,741	6,803
1924	22,462	18,267	32,264	24,136	41.0	13,565	6,335	7,166	6,399
1925	21,148	17,033	34,487	26,417	38.0	13,742	7,323	6,798	6,944
1926	21,091	17,103	42,666	28,010	33.1	13,174	7,131	5,799	7,375
1927	22,001	17,668	36,920	27,794	37.3	15,389	7,824	7,288	8,101
1928	22,991	18,494	39,818	30,353	36.6	17,402	8,571	8,294	9,108
1929	25,208	20,541	41,645	31,378	37.7	15,749	7,558	7,034	8,716
1930	24,620	20,330	41,879	31,968	37.0	14,753	7,418	7,245	7,508
1931	21,499	18,123	38,929	29,142	35.6	12,355	5,980	5,408	6,946

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

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No. 464.—NET TONNAGE OF VESSELS CLEARED IN FOREIGN TRADE: BY CLASSES

[All figures except number of vessels and percentages in thousands of net tons. See headnote, Table 461]

Yearly average or year	Number of vessels, all ports	All ports				Seaports				
		Total	American	Foreign	Percent American	All vessels	Sailing vessels	Steam vessels	With cargo	In ballast
1881–1890	32,159	16,473	3,450	13,023	20.9	13,719	5,363	8,356	12,795	924
1891–1900	31,902	22,463	5,038	17,425	22.4	19,021	3,818	15,203	17,514	1,507
1901–1905	33,863	30,551	6,812	23,739	22.3	24,633	2,621	22,012	22,460	2,173
1906–1910	33,897	37,192	8,282	28,910	22.3	29,156	1,850	27,306	26,768	2,388
1911–1915	38,790	48,015	12,512	35,503	26.1	35,955	1,654	34,301	32,827	3,128
1915–1920 [1]	42,687	53,647	23,005	30,643	42.9	40,137	2,057	38,080	34,851	5,285
1921–1925	40,120	66,653	29,554	37,099	44.3	53,578	984	52,594	42,233	11,345
1926–1930	44,082	79,760	30,709	49,051	38.5	64,441	467	63,973	52,581	11,860
1910–1914	37,883	46,579	11,590	34,989	24.9	34,965	1,620	33,345	32,024	2,941
1914–1920 [2]	42,141	52,607	21,529	31,078	40.9	39,417	2,010	37,407	34,394	5,023
1918	39,893	46,014	19,206	26,808	41.7	31,869	1,925	29,944	28,125	3,744
1918 (July–Dec.)	22,580	25,472	11,223	14,249	44.1	16,112	1,011	15,101	13,594	2,518
1919	39,974	51,257	24,992	26,265	48.8	40,751	1,819	38,932	34,689	6,062
1920	46,447	67,817	34,053	33,764	50.2	54,980	2,009	52,971	45,687	9,293
1921	39,553	62,665	30,181	32,484	48.2	50,423	1,218	49,205	39,985	10,438
1922	39,314	64,839	31,759	33,080	49.0	51,799	1,109	50,690	39,244	12,555
1923	40,256	66,624	27,932	38,692	41.9	53,215	1,035	52,180	42,398	10,817
1924	41,100	68,910	30,092	38,818	43.7	55,294	810	54,483	43,787	11,506
1925	40,379	70,229	27,808	42,421	39.6	57,160	746	56,414	45,750	11,410
1926	43,951	79,041	28,532	50,509	36.1	65,583	566	65,017	54,237	11,346
1927	43,619	75,440	29,793	45,647	39.5	59,759	526	59,233	49,419	10,340
1928	46,201	80,667	31,734	48,933	39.3	63,331	436	62,895	51,609	11,722
1929	44,837	82,343	31,927	50,416	38.8	67,030	422	66,608	54,132	12,898
1930	41,801	81,307	31,560	49,748	38.8	66,500	386	66,114	53,507	12,993
1931	35,368	73,501	26,854	46,647	36.5	61,204	238	60,966	49,805	11,399

Yearly average or year	Seaports—Continued					Northern border ports			
	American vessels		Foreign vessels		Percent American	Total	With cargo	American	Foreign
	Total	With cargo	Total	With cargo					
1881–1890	2,978	2,541	10,741	10,254	21.7	2,754	1,778	472	2,282
1891–1900	3,644	2,914	15,377	14,600	19.2	3,442	2,129	1,394	2,048
1901–1905	4,000	3,284	20,633	19,176	16.2	5,918	3,825	2,812	3,106
1906–1910	4,084	3,498	25,072	23,270	14.0	8,036	5,673	4,198	3,838
1911–1915	5,361	4,522	30,594	28,305	14.9	12,060	8,567	7,161	4,909
1915–1920 [1]	15,455	11,505	24,681	23,346	38.5	13,511	9,637	7,550	5,962
1921–1925	22,556	14,977	31,022	28,057	42.1	13,075	9,236	6,998	6,077
1926–1930	23,338	17,071	41,102	35,510	36.2	15,319	10,504	7,371	7,948
1910–1914	4,778	4,109	30,187	27,915	13.7	11,614	8,380	6,812	4,802
1914–1920 [2]	14,171	10,611	25,245	23,783	36.0	13,190	9,279	7,358	5,832
1918	11,280	8,491	20,589	19,634	35.4	14,145	10,200	7,926	6,219
1918 (July–Dec.)	5,614	3,537	10,498	10,057	34.8	9,360	7,433	5,609	3,751
1919	19,133	14,539	21,617	20,150	47.0	10,506	7,616	5,858	4,648
1920	27,875	20,188	27,106	25,499	50.7	12,837	9,365	6,179	6,658
1921	23,432	15,215	26,991	24,770	46.5	12,242	8,692	6,749	5,493
1922	23,755	14,743	28,044	24,501	45.9	13,040	9,234	8,004	5,036
1923	21,305	14,584	31,910	27,814	40.0	13,409	9,514	6,627	6,782
1924	22,896	15,397	32,397	32,398	41.4	13,616	9,933	7,195	6,421
1925	21,394	14,948	35,766	30,802	37.4	13,068	8,805	6,414	6,654
1926	22,234	15,838	43,349	38,399	33.9	13,458	9,241	6,298	7,160
1927	22,078	16,524	37,681	32,895	36.9	15,682	10,656	7,716	7,966
1928	23,180	16,969	40,151	34,640	36.6	17,336	11,898	8,554	8,782
1929	25,045	18,337	41,985	35,795	37.4	15,313	10,917	6,883	8,431
1930	24,154	17,687	42,346	35,820	36.3	14,808	9,809	7,406	7,402
1931	21,417	16,732	39,787	33,073	35.0	12,297	8,644	5,437	6,860

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] Average for period July 1, 1914, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

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No. 465.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: BY COUNTRIES OF ORIGIN AND DESTINATION

NOTE.—In thousands of net tons. Only traffic by sea is included. First two columns cover years ended June 30, third column the period July 1, 1914, to Dec. 31, 1920, the others, calendar years. For definition of net tonnage see general note, p. 399

Country	1906–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1929	1930	1931
Total by sea:								
Entered	26,382	35,212	37,604	52,959	63,768	66,853	66,499	60,427
Cleared	26,206	34,965	39,417	53,578	64,441	67,030	66,500	61,204
Belgium:								
Entered	905	955	392	1,231	1,560	1,420	1,378	1,221
Cleared	901	1,039	452	1,190	1,280	1,319	1,313	1,126
Denmark:								
Entered	184	297	373	372	532	603	606	550
Cleared	352	305	498	450	686	775	687	588
France:								
Entered	611	1,047	2,251	1,953	2,321	2,194	2,384	2,114
Cleared	1,062	1,453	3,345	2,250	2,475	2,475	2,556	2,340
Germany:								
Entered	2,384	3,113	290	2,998	3,813	3,900	4,376	4,235
Cleared	2,773	3,474	298	3,165	3,714	4,005	4,370	4,004
Italy:								
Entered	1,097	1,305	2,171	1,707	2,101	2,349	1,980	1,892
Cleared	1,003	1,662	2,489	1,986	2,023	2,093	1,927	1,768
Netherlands:								
Entered	846	1,169	1,291	1,654	2,081	1,863	1,705	1,515
Cleared	1,206	1,521	1,459	1,464	1,499	1,371	1,344	1,176
Norway:								
Entered	----------	193	521	384	360	404	418	296
Cleared	----------	159	830	412	361	370	327	289
Spain:								
Entered	483	724	838	608	850	911	976	730
Cleared	265	337	490	463	612	682	641	531
Sweden:								
Entered	----------	68	240	504	681	735	761	747
Cleared	----------	66	440	353	498	518	528	462
United Kingdom:								
Entered	7,440	7,238	8,765	9,378	10,614	9,951	9,181	7,569
Cleared	7,153	7,162	8,164	8,647	10,577	9,529	9,430	7,643
Canada:								
Atlantic coast—								
Entered	1,355	1,479	1,092	1,201	1,607	1,774	1,837	2,385
Cleared	1,454	1,594	1,007	1,331	1,709	1,823	1,916	2,304
British Columbia, Yukon—								
Entered	1,508	2,539	3,117	4,571	6,619	7,175	7,949	7,719
Cleared	1,509	2,589	3,094	4,573	6,556	6,859	7,447	7,735
Central America:								
Entered	799	1,879	1,535	1,734	2,391	2,540	2,518	2,417
Cleared	830	2,121	1,610	1,640	2,692	2,934	3,090	3,048
Mexico:								
Entered	856	1,789	3,788	8,160	2,840	2,034	1,893	1,623
Cleared	745	1,847	3,727	8,391	2,892	2,132	2,094	1,821
British West Indies and British Honduras:								
Entered	1,001	1,038	564	1,351	1,975	1,916	2,659	3,385
Cleared	982	1,181	642	1,435	2,216	2,241	2,892	3,587
Cuba:								
Entered	2,018	3,030	3,450	4,769	5,875	6,693	6,160	5,988
Cleared	1,766	2,449	3,560	4,659	5,832	6,771	6,197	5,823
Dominican Republic:								
Entered	111	179	345	380	713	826	833	614
Cleared	94	200	404	449	920	1,070	1,006	815
Haiti:								
Entered	106	123	108	105	220	287	229	190
Cleared	81	124	186	230	204	249	215	200
Argentina:								
Entered	207	792	633	1,006	966	873	899	540
Cleared	328	619	762	707	997	1,029	816	592
Brazil:								
Entered	587	1,131	559	552	918	1,077	1,141	881
Cleared	253	556	841	913	1,252	1,247	1,042	925
Chile:								
Entered	206	462	853	975	1,387	1,580	1,422	796
Cleared	138	327	797	793	1,058	1,157	1,012	642
Colombia:								
Entered	195	199	231	144	958	1,112	1,313	1,029
Cleared	172	196	213	226	966	1,051	1,045	919
British East Indies:								
Entered	238	329	347	576	833	890	910	834
Cleared	107	131	204	330	428	427	482	460

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No. 465.—Net Tonnage of Vessels Entered and Cleared at Seaports in Foreign Trade: By Countries of Origin and Destination—Contd.

Country	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1929	1930	1931
China, Hong Kong, and Kwantung:								
Entered	346	442	519	959	1,044	1,181	1,117	1,124
Cleared	389	391	479	963	894	992	700	897
Japan:								
Entered	441	646	733	1,607	2,320	2,481	2,212	1,912
Cleared	351	542	796	2,106	3,284	3,443	3,682	3,650
Philippine Islands:								
Entered	63	85	132	408	611	626	683	801
Cleared	93	144	124	359	503	503	493	398
Oceania:								
Entered	256	238	379	509	931	1,023	1,013	754
Cleared	413	534	567	946	1,396	1,476	1,165	803
All other countries:								
Entered	2,117	2,725	2,094	3,165	6,649	8,436	8,036	6,566
Cleared	1,788	2,240	1,938	3,149	6,913	8,489	8,083	6,658

No. 466.—NET TONNAGE OF VESSELS ENTERED AND CLEARED AT SEAPORTS IN FOREIGN TRADE: By Nationality of Vessel

Note.—**In thousands of net tons.** Only traffic by sea and to and from foreign countries is included. The large trade with Canada on the Great Lakes and the St. Lawrence is handled about equally by vessels of the United States and of the British (Canadian) flag. See Tables 463 and 464 in which the columns for northern border represent trade with Quebec and Ontario. For periods covered see note, Table 465

	1900–1909, average	1910–1914, average	1914–1920, average	1921–1925, average	1926–1930, average	1929	1930	1931
Total by sea:								
Entered	**26,362**	**35,212**	**37,604**	**52,959**	**63,768**	**66,853**	**66,499**	**60,427**
Cleared	**26,206**	**34,965**	**39,417**	**53,578**	**64,441**	**67,030**	**66,500**	**61,204**
American:								
Entered	4,044	4,753	13,327	22,526	23,182	25,208	24,620	21,499
Cleared	4,023	4,778	14,171	22,556	23,338	25,045	24,154	21,417
Total foreign:								
Entered	22,318	30,459	24,276	30,433	40,586	41,645	41,879	38,929
Cleared	22,182	30,186	25,245	31,022	41,102	41,985	42,346	39,787
Belgian:								
Entered	262	412	269	332	374	312	356	329
Cleared	269	404	283	343	370	340	353	320
British:								
Entered	13,564	17,901	14,168	16,807	20,189	20,175	19,679	17,618
Cleared	13,422	17,814	14,755	17,064	20,291	20,193	19,628	17,974
Danish:								
Entered	398	472	774	929	1,136	1,184	1,058	1,030
Cleared	398	450	795	928	1,168	1,271	1,048	1,029
Dutch:								
Entered	667	1,004	1,007	1,300	1,798	1,761	2,090	1,974
Cleared	661	1,007	1,055	1,292	1,809	1,775	2,114	1,986
French:								
Entered	636	997	876	1,492	1,870	1,869	2,064	1,752
Cleared	642	990	919	1,518	1,905	1,913	2,066	1,728
German:								
Entered	3,160	4,362	107	847	2,654	3,062	3,615	3,660
Cleared	3,171	4,300	79	870	2,736	3,224	3,672	3,702
Italian:								
Entered	542	821	1,211	1,490	2,175	2,128	1,926	1,808
Cleared	538	850	1,366	1,569	2,150	2,072	1,883	1,822
Japanese:								
Entered	127	353	1,099	2,059	2,618	2,823	2,791	2,526
Cleared	107	244	1,046	2,235	2,741	2,780	2,959	2,734
Norwegian:								
Entered	1,941	2,679	2,744	2,817	4,026	4,393	4,242	3,999
Cleared	1,946	2,684	2,822	2,784	4,136	4,485	4,475	4,180
Spanish:								
Entered	424	413	606	480	571	530	494	497
Cleared	420	398	637	487	586	535	509	492
Swedish:								
Entered	62	70	353	564	985	1,069	1,124	1,050
Cleared	65	70	367	566	1,005	1,081	1,126	1,080
All other foreign:								
Entered	535	975	1,062	1,317	2,190	2,339	2,440	2,686
Cleared	542	977	1,122	1,366	2,206	2,316	2,513	2,749

Source of Tables 465 and 466: Bureau of Foreign and Domestic Commerce.

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No. 467.—EXPORTS (INCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE

NOTE.—All figures except percentages expressed in millions of dollars. Figures cover fiscal years ended Sept. 30, 1830 and 1840, and June 30, 1850 to 1915, calendar years thereafter

Yearly average or year	Exports (including reexports)					Imports					Water borne—per cent in American vessels	
	Total	Total by water	In American vessels	In foreign vessels	By land vehicles [1]	Total	Total by water	In American vessels	In foreign vessels	By land vehicles [1]	Exports	Imports
1830 [2]	74	74	64	10	([3])	71	71	66	5	([3])	86.6	93.1
1840 [2]	132	132	106	27	([3])	107	107	93	14	([3])	80.0	87.6
1850 [2]	152	152	100	52	([3])	178	178	140	39	([3])	65.5	78.4
1860 [2]	400	400	279	121	([3])	362	362	228	134	([3])	70.0	63.0
1870 [2]	451	451	170	281	([3])	462	462	153	309	([3])	37.7	33.1
1871–1875 [2]	586	578	157	422	8	599	584	170	414	16	27.1	35.1
1876–1880 [2]	711	704	142	562	7	514	501	147	354	13	20.2	29.3
1881–1885	792	773	100	673	19	667	646	130	517	21	12.9	20.1
1886–1890	738	714	76	638	25	717	685	122	563	33	10.6	17.8
1891–1895	892	851	73	778	42	785	748	125	623	38	8.6	16.7
1896–1900	1,157	1,079	78	1,001	79	742	706	101	604	36	7.2	14.4
1901–1905	1,454	1,316	97	1,218	138	972	909	122	787	63	7.4	13.5
1906–1910	1,779	1,576	128	1,448	203	1,345	1,262	159	1,103	83	8.1	12.6
1911–1915	2,371	2,049	187	1,862	322	1,712	1,590	198	1,392	123	9.1	12.5
1915–1920 [4]	6,515	5,712	1,556	4,156	803	3,358	2,961	978	1,984	397	27.2	33.0
1921–1925	4,397	3,788	1,405	2,383	609	3,450	3,013	978	2,035	437	37.1	32.5
1926–1930	4,777	3,983	1,382	2,600	795	4,033	3,509	1,129	2,380	524	34.7	32.2
1919	7,920	7,090	2,596	4,494	831	3,904	3,414	1,228	2,186	491	36.6	36.0
1920	8,228	7,252	3,165	4,087	976	5,279	4,731	1,988	2,743	548	43.6	42.0
1921	4,485	3,888	1,402	2,486	597	2,509	2,187	765	1,422	[1] 322	36.1	35.0
1922	3,832	3,281	1,261	2,020	551	3,113	2,704	921	1,783	409	38.4	34.1
1923	4,168	3,539	1,358	2,181	629	3,792	3,312	1,040	2,272	481	38.4	31.4
1924	4,591	4,010	1,532	2,478	[1] 581	3,610	3,145	1,012	2,133	466	38.2	32.1
1925	4,910	4,224	1,473	2,751	686	4,227	3,716	1,151	2,565	510	34.9	31.0
1926	4,809	4,050	1,401	2,649	759	4,431	3,891	1,195	2,696	540	34.6	30.7
1927	4,865	4,097	1,434	2,663	768	4,185	3,662	1,215	2,447	523	35.0	33.2
1928	5,128	4,277	1,472	2,804	851	4,091	3,550	1,133	2,418	541	34.4	31.9
1929	5,241	4,322	1,487	2,835	920	4,399	3,807	1,205	2,602	592	34.4	31.6
1930	3,843	3,168	1,117	2,051	675	3,061	2,635	898	1,737	426	35.3	34.1
1931	2,424	2,043	732	1,311	382	2,091	1,829	619	1,210	262	35.8	33.8

TOTAL WATER-BORNE EXPORTS AND IMPORTS COMBINED

Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels	Yearly average or year	Total	In American vessels	In foreign vessels	Per cent in American vessels
1830 [2]	145	130	15	89.7	1921–1925	6,801	2,383	4,418	35.0
1840 [2]	239	198	41	82.3	1926–1930	7,492	2,511	4,980	33.5
1850 [2]	330	239	91	72.5	1919	10,504	3,824	6,680	36.4
1860 [2]	762	507	255	66.5	1920	11,983	5,153	6,830	43.0
1870 [2]	913	323	590	35.6					
					1921	6,075	2,167	3,908	35.7
1871–1875 [2]	1,162	326	835	30.6	1922	5,985	2,183	3,803	36.5
1876–1880 [2]	1,206	289	917	23.9	1923	6,850	2,398	4,453	35.0
1881–1885	1,419	229	1,190	16.2	1924	7,155	2,544	4,611	35.7
1886–1890	1,398	198	1,200	14.1	1925	7,940	2,624	5,316	33.0
1891–1895	1,598	198	1,400	12.4					
					1926	7,941	2,596	5,345	34.0
1896–1900	1,784	179	1,605	10.0	1927	7,759	2,649	5,110	34.1
1901–1905	2,225	220	2,005	9.9	1928	7,827	2,605	5,222	33.3
1906–1910	2,838	287	2,552	10.1	1929	8,129	2,692	5,437	33.1
1911–1915	3,639	385	3,254	10.6	1930	5,803	2,015	3,788	34.7
1915–1920 [4]	8,673	2,534	6,140	29.2	1931	3,871	1,351	2,520	34.9

[1] Exports include parcel post beginning 1924; imports, beginning 1921.
[2] Includes gold and silver coin and bullion to 1879, inclusive.
[3] Included in American and foreign vessels.
[4] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

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No. 468.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF MERCHANDISE: VALUE, BY METHOD OF CARRIAGE AND NATIONALITY OF VESSEL

NOTE.—All figures in thousands of dollars. All data for calendar years

	1914	1920	1922	1925	1928	1929	1930	1931
Exports, excluding reexports	2,071,058	8,080,481	3,765,091	4,818,729	5,030,099	5,157,083	3,781,172	2,377,982
American vessels	186,926	3,116,440	1,248,736	1,458,199	1,459,913	1,475,569	1,107,549	723,905
Foreign vessels:								
Belgian	7,763	76,370	25,369	37,792	36,825	31,345	26,774	21,266
British	1,011,691	2,587,813	1,147,027	1,423,507	1,341,764	1,348,593	946,641	582,749
Danish	(1)	71,841	53,348	94,980	93,654	90,986	62,616	50,006
Dutch	83,895	157,957	91,486	166,413	164,090	163,326	110,823	70,011
French	70,037	166,126	111,539	137,218	123,183	126,237	103,747	55,806
German	158,640	9,671	54,702	163,767	252,283	268,807	201,735	132,860
Italian	44,544	215,441	94,707	146,858	143,614	122,733	76,328	44,879
Japanese	23,957	208,876	158,416	173,205	158,532	163,847	110,584	93,090
Norwegian	89,821	236,696	132,729	172,324	236,005	266,073	205,015	133,260
Spanish	(1)	113,291	55,878	62,167	50,505	48,638	27,677	19,015
Swedish	(1)	54,074	34,051	53,598	83,504	83,186	61,003	34,630
All other	126,611	130,515	32,096	89,975	86,338	94,456	95,839	53,730
Total foreign	1,616,959	4,028,671	1,991,348	2,721,804	2,770,298	2,808,228	2,028,782	1,291,301
Parcel post				26,052	29,014	26,656	20,510	14,050
Cars and other land vehicles	267,173	935,370	525,007	612,667	770,873	846,630	624,331	348,601
Aircraft								125
Imports	1,789,276	5,278,481	3,112,747	4,226,589	4,091,444	4,399,361	3,060,908	2,090,635
American vessels	216,199	1,987,861	921,054	1,151,242	1,132,598	1,205,008	897,973	618,923
Foreign vessels:								
Belgian	24,404	24,736	10,342	10,211	11,309	11,867	7,385	5,639
British	808,344	1,600,697	974,273	1,384,926	1,120,985	1,163,519	751,085	448,961
Danish	(1)	40,767	51,863	54,142	57,452	48,084	30,070	24,415
Dutch	90,840	187,478	99,554	122,278	135,495	144,137	100,567	72,521
French	82,945	141,181	140,112	147,809	140,621	145,788	91,710	61,909
German	151,613	14	27,755	85,945	199,154	243,318	171,524	143,073
Italian	39,796	60,618	45,254	70,663	65,170	68,400	50,425	41,859
Japanese	57,545	454,180	212,203	390,393	377,108	437,914	265,061	201,222
Norwegian	82,679	111,811	147,689	164,095	150,157	164,409	139,997	106,121
Spanish	(1)	36,148	11,220	15,886	16,926	17,710	11,408	9,672
Swedish	(1)	27,663	21,975	36,102	50,173	50,837	43,276	29,508
All other	77,410	57,959	40,764	82,624	93,085	106,035	74,540	64,701
Total foreign	1,415,576	2,743,252	1,783,004	2,565,074	2,417,633	2,602,017	1,737,048	1,209,601
Parcel post			98,375	125,133	110,153	123,309	75,786	42,763
Cars and other land vehicles	157,501	547,368	310,314	385,140	431,061	469,027	350,101	219,348

[1] Included in "All other."

Source: Bureau of Foreign and Domestic Commerce.

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22.—FOREIGN COMMERCE OF THE UNITED STATES

[All statistics of foreign commerce in this section are compiled in the Bureau of Foreign and Domestic Commerce, Department of Commerce. The geographic area covered by these statistics, except as noted, is the United States customs area which includes Alaska, Hawaii, and Porto Rico. See headnote, Table 476. Other explanations of the trade tables are given in the introduction to the Annual Commerce and Navigation of the United States]

No. 469.—SUMMARY OF FOREIGN TRADE OF THE UNITED STATES

NOTE.—Figures for 1911-1915 cover fiscal years; thereafter calendar years are shown

[All figures in thousands of dollars]

	1911-1915, average	1915-1920,[1] average	1921-1925, average	1926-1930, average	1929	1930	1931
Merchandise:							
Exports	2,370,539	6,521,190	4,397,026	4,777,313	5,240,995	3,843,181	2,424,289
United States merchandise	2,331,648	6,416,513	4,310,221	4,687,789	5,157,083	3,781,172	2,377,982
Reexports of foreign merchandise	38,891	104,677	86,805	89,526	83,912	62,009	46,307
General imports	1,712,319	3,358,354	3,450,103	4,033,469	4,399,361	3,060,908	2,090,635
Excess of exports	658,220	3,162,836	946,924	743,845	841,634	782,273	333,654
Gold:							
Exports	83,178	233,248	82,739	222,094	116,583	115,967	466,794
United States gold	81,151	255,867	81,183	220,373	116,431	114,715	466,774
Foreign gold	2,022	7,382	1,557	1,721	152	1,252	20
Imports	85,969	382,022	347,425	255,528	291,649	398,054	812,119
Excess of exports (+) or imports (−)	−2,796	−148,773	−264,686	−33,434	−175,066	−280,087	−145,325
Silver:							
Exports	61,432	143,447	79,174	78,566	83,407	54,157	26,485
United States silver	56,864	127,414	52,662	61,118	62,838	43,550	21,719
Foreign silver	4,568	16,034	26,512	17,448	20,569	10,607	4,766
Imports	38,739	64,217	69,409	59,898	63,940	42,761	28,664
Excess of exports (+) or imports (−)	+22,693	+79,231	+9,765	+18,668	+19,467	+11,396	−2,179
Excess of exports (+) or imports (−) of merchandise, gold and silver	+678,117	+3,093,293	+692,003	+729,078	+686,035	+513,582	+186,150
Imports of merchandise for consumption	1,698,029	3,288,839	3,422,748	4,020,350	4,338,572	3,114,077	2,088,455
Entered for immediate consumption	1,518,447	3,075,230	3,050,279	3,602,947	3,925,379	2,765,315	1,881,011
Withdrawn from warehouse	179,582	213,609	372,469	417,403	413,193	348,762	207,444
Free	966,141	2,262,412	2,088,932	2,645,610	2,880,128	2,081,123	1,391,693
Dutiable	731,887	1,028,245	1,333,816	1,374,740	1,458,444	1,032,954	696,762
Per cent free	56.89	68.79	61.03	65.81	66.38	66.83	66.64
Duties calculated	283,408	227,035	478,911	550,743	584,771	461,790	370,771
Ratio of duties to total imports for consumption, per cent	16.69	6.90	13.99	13.70	13.48	14.83	17.75
Ratio to dutiable imports	38.72	22.08	35.90	40.06	40.10	44.71	53.21
Entered for warehouse	193,872	283,124	399,824	430,521	473,982	295,593	209,624
Remaining in warehouse, end of period	94,406	249,291	172,859	200,469	248,542	134,935	135,432

[1] Period July 1, 1915, to Dec. 31, 1920.

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No. 470.—PRODUCTION OF EXPORTABLE GOODS AND PROPORTION EXPORTED

NOTE.—Agricultural production prior to 1925 is the estimated value of farm products, excluding crops fed to livestock; beginning 1925 it is gross income, excluding feed, seed, and waste. Value added by manufacture represents manufactures. Value of mine products in 1909 and 1919 are census figures; estimates for other years are based on data of the Bureau of Mines. As the figures are not adjusted for price changes the increase or decrease in absolute values from period to period should be disregarded.

[Amounts in millions of dollars]

Year	Agricultural products	Manufactures	Mining	Freight receipts (railroad)	Total	Exports, United States merchandise	Per cent of total
1899	3,355	4,831	600	[1] 981	9,767	1,253	12.8
1904	4,262	6,179	850	[1] 1,415	12,706	1,426	11.2
1909	6,472	8,385	1,238	[1] 1,801	17,896	1,701	9.5
1914	8,165	9,710	1,450	[1] 2,082	21,407	2,071	9.7
1919	17,677	24,809	3,158	3,625	49,269	7,750	15.7
1921	10,268	18,332	2,900	4,004	35,504	4,379	12.3
1923	12,382	25,850	4,300	4,712	47,244	4,091	8.7
1925	11,968	26,778	4,100	4,648	47,494	4,819	10.1
1927	11,616	27,585	4,000	4,729	47,930	4,759	9.9
1929	11,851	31,885	4,200	4,899	52,795	5,157	9.8

[1] Mean of preceding and following fiscal year.

No. 471.—EXPORT OF MANUFACTURED GOODS IN RELATION TO TOTAL PRODUCTION

NOTE.—The value of materials, excluding duplication, is necessarily an approximation and hence is expressed as a maximum and minimum. As the figures are not adjusted for price changes, the absolute increase or decrease from period to period should be disregarded.

[Amounts in millions of dollars]

Year	Value of product			Exports of United States merchandise	
	Materials, excluding duplication	Value added by manufacture	Total net value	Amount	Per cent
All manufactures:					
1899	2,300–2,800	4,831	7,100–7,600	[1] 745	9.8–10.5
1904	3,100–3,700	6,179	9,300–9,900	[1] 863	8.7–9.3
1909	4,300–5,200	8,385	12,700–13,600	[1] 1,000	7.4–7.9
1914	5,300–6,500	9,710	15,000–16,200	[1] 1,505	9.3–10.0
1919	12,500–14,500	24,809	37,300–39,300	5,449	13.9–14.6
1921	8,000–9,400	18,332	26,300–27,700	2,722	9.8–10.3
1923	11,500–13,200	25,850	37,350–39,050	2,625	6.7–7.0
1925	11,900–13,600	26,778	38,700–40,400	3,079	7.6–8.0
1927	11,750–13,450	27,585	39,300–41,000	3,148	7.7–8.0
1929	14,700–16,000	31,885	46,600–47,900	3,745	7.8–8.0
Foodstuffs manufactures:					
1899	1,300–1,500	445	1,700–1,900	[1] 312	16.4–18.4
1904	1,700–2,000	584	2,300–2,600	[1] 296	11.4–12.9
1909	2,200–2,700	816	3,000–3,500	[1] 281	8.0–9.4
1914	2,700–3,300	1,071	3,800–4,400	[1] 374	8.5–9.8
1919	7,100–8,300	2,496	9,600–10,800	1,963	18.2–20.4
1921	4,100–4,800	2,144	6,290–6,900	685	9.9–11.0
1923	4,750–5,500	2,533	7,300–8,000	583	7.3–8.0
1925	5,300–6,100	2,670	8,000–8,800	574	6.5–7.2
1927	5,500–6,300	2,902	8,400–9,200	463	5.0–5.5
1929	6,000–6,800	3,387	9,400–10,200	484	4.7–5.1
Other manufactures:					
1899	1,000–1,300	4,386	5,400–5,700	[1] 433	7.6–8.0
1904	1,400–1,700	5,595	7,000–7,300	[1] 568	7.8–8.1
1909	2,100–2,500	7,569	9,700–10,100	[1] 719	7.1–7.4
1914	2,600–3,200	8,639	11,200–11,800	[1] 1,131	9.6–10.1
1919	5,400–6,200	22,313	27,700–28,500	3,486	12.2–12.6
1921	3,900–4,600	16,188	20,100–20,800	2,037	9.8–10.1
1923	6,750–7,700	23,317	30,100–31,000	2,042	6.6–6.8
1925	6,600–7,500	24,108	30,700–31,600	2,505	7.9–8.2
1927	6,250–7,150	24,683	30,900–31,800	2,682	8.4–8.7
1929	8,700–9,200	28,498	37,200–37,700	3,261	8.6–8.8

[1] Mean of preceding and following fiscal year.

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No. 472.—INDEXES OF CHANGES IN QUANTITY, PRICE, AND VALUE OF IMPORTS AND EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—The purpose of these indexes is to eliminate the effect of price changes upon the total value of trade. They have been constructed by the so-called ideal formula, the essential feature of which is the use as weighting factors of the mean of the values of the several articles during each pair of years compared. About 180 commodities were included in the direct calculations for exports and 160 in those for imports. It was then assumed that the prices of articles not directly covered had moved in parallel with those of articles covered, save only that in making the adjustment the effect of abnormal price movements of heavily weighted commodities was first eliminated. In constructing the indexes, data for 1919 were linked directly to 1913 and each subsequent year was compared with that preceding. The resulting percentages were made into a series by the chain method.

Yearly average or year	Exports of U. S. merchandise			Imports			Domestic wholesale price index
	Quantity	Price	Value	Quantity	Price	Value	
1913 taken as 100:							
1913	100	100	100	100	100	100	100
1910–1914 [1]	[2] 89	(2)	87	(2)	(2)	94	98
1921–1925	123	144	176	151	126	192	142
1926–1930	155	124	192	184	122	225	136
1919	142	223	317	125	174	218	199
1920	137	241	330	139	213	294	221
1921	120	150	179	120	117	140	140
1922	112	138	154	154	113	174	139
1923	115	146	167	161	132	212	144
1924	130	143	184	156	129	201	141
1925	137	144	197	166	142	236	148
1926	146	133	192	178	139	247	143
1927	158	124	194	180	130	233	137
1928	165	125	206	181	126	228	139
1929	169	125	211	207	119	245	137
1930	137	113	155	176	97	171	124
1931	109	89	97	158	74	117	105
1923–1925 taken as 100:							
1913	79	69	55	62	75	46	69
1910–1914 [1]	[2] 70	(2)	48	(2)	(2)	44	68
1921–1925	96	100	96	94	94	89	99
1926–1930	122	86	105	115	91	104	95
1919	112	155	173	78	130	101	138
1920	108	167	181	86	158	136	153
1921	94	104	98	75	87	65	97
1922	88	95	84	96	84	80	97
1923	90	101	92	100	98	98	100
1924	102	99	101	97	96	93	97
1925	108	100	108	103	106	109	103
1926	115	92	105	110	104	114	99
1927	124	86	107	112	96	108	95
1928	130	86	113	113	94	106	96
1929	133	87	115	129	88	114	95
1930	108	79	85	109	72	79	86
1931	86	62	53	98	55	54	72

[1] Fiscal years.
[2] Indexes not calculated for 1910–1914. The quantity index of exports is estimated by assuming that the relation of export prices in 1910–1914 to 1913 was the same as that for domestic prices.

No. 473.—EXPORTS AND IMPORTS OF GOLD AND SILVER: BY MONTHS

[All figures in thousands of dollars]

Month	Gold						Silver					
	1929		1930		1931		1929		1930		1931	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	1,378	48,577	8,948	12,908	54	34,426	8,264	8,260	5,892	4,756	3,571	2,896
February	1,425	26,913	207	60,198	14	16,156	6,595	4,458	5,331	3,923	1,638	1,877
March	1,635	26,470	290	55,768	26	25,671	7,814	6,435	5,818	4,831	2,323	1,821
April	1,594	24,687	110	65,835	27	49,543	5,752	3,957	4,646	3,570	3,249	2,439
May	467	24,098	82	23,552	628	50,258	7,485	4,602	4,978	3,486	2,099	2,636
June	550	30,762	26	13,938	40	63,887	5,445	5,022	3,336	2,707	1,895	2,364
July	807	35,525	41,529	21,889	1,009	20,512	6,795	4,723	3,709	3,953	2,305	1,663
August	881	19,271	39,332	19,714	39	57,539	8,522	7,345	4,544	3,492	2,024	2,685
September	1,205	18,781	11,133	13,680	28,708	49,269	4,374	4,111	3,903	3,461	2,183	2,355
October	3,805	21,321	9,266	35,635	398,604	60,919	7,314	5,403	4,424	3,270	2,158	2,573
November	30,289	7,123	5,008	40,159	4,994	94,430	8,678	5,144	4,102	2,652	872	2,138
December	72,547	8,121	36	32,778	32,651	89,509	6,369	4,479	3,472	2,660	2,168	3,215

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No. 474.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE: BY MONTHS

[All figures in millions and tenths of millions of dollars]

Month	1902		1903		1904		1905		1906		1907	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
January	129.1	79.1	134.0	85.2	142.0	82.6	123.6	98.3	170.6	106.5	189.3	126.6
February	101.6	68.4	125.6	82.6	118.8	89.0	106.9	103.1	141.8	104.2	159.5	123.0
March	106.7	84.2	132.1	96.2	119.9	91.3	137.0	110.4	145.5	113.6	161.7	133.1
April	109.2	75.8	109.8	87.7	109.9	83.5	128.6	95.1	144.4	107.3	157.5	129.6
May	102.3	75.7	100.9	79.0	89.9	80.7	123.8	92.5	130.5	104.9	134.8	126.5
June	89.2	73.1	95.2	82.0	93.2	81.2	121.2	90.4	125.0	100.8	137.7	112.5
July	88.8	79.1	91.8	82.2	85.2	71.2	107.9	84.5	111.7	102.6	128.5	124.6
August	94.9	78.9	89.4	82.0	92.3	87.7	117.7	95.8	129.8	105.7	127.3	125.8
September	121.2	87.7	110.4	81.8	134.3	84.1	136.0	102.0	138.5	102.6	135.3	106.4
October	144.3	87.4	160.4	81.9	162.5	92.8	154.4	107.4	187.4	118.1	180.3	111.9
November	125.2	85.4	160.3	77.0	158.1	95.2	170.3	98.3	182.7	119.8	204.5	110.9
December	148.0	94.4	174.8	77.8	145.3	96.6	199.7	101.1	190.4	134.3	207.1	92.2
	1908		**1909**		**1910**		**1911**		**1912**		**1913**	
January	206.1	85.0	156.7	103.6	144.5	133.7	197.1	130.6	202.4	143.6	227.0	163.1
February	167.8	84.8	126.1	118.7	124.6	130.1	176.0	121.7	198.8	134.2	194.0	149.9
March	141.6	89.1	139.3	132.9	143.7	163.0	161.9	139.0	205.4	157.6	187.4	155.4
April	133.4	87.4	125.2	122.2	133.1	133.9	158.0	119.8	179.3	162.6	199.8	146.2
May	113.6	84.0	123.3	116.1	131.1	118.8	153.2	129.8	175.4	155.7	194.6	133.7
June	115.4	92.1	117.4	124.7	127.9	119.9	141.7	122.8	138.2	131.0	163.4	131.2
July	103.2	86.4	109.3	112.5	114.6	117.3	127.7	178.1	148.9	148.7	161.0	139.1
August	110.4	91.2	109.8	117.1	134.7	138.4	144.2	125.9	167.8	154.8	187.9	137.7
September	139.3	98.4	154.0	121.0	168.9	117.3	195.8	125.2	199.7	144.8	218.2	171.1
October	172.0	102.0	200.7	127.7	207.7	124.0	210.4	132.6	254.6	178.0	271.9	132.9
November	161.3	103.9	194.0	140.5	206.6	129.8	201.8	126.2	278.2	153.1	245.5	148.2
December	188.8	111.9	172.5	138.7	229.0	136.7	224.9	140.7	250.3	154.1	233.2	184.0
	1914		**1915**		**1916**		**1917**		**1918**		**1919**	
January	204.1	154.7	267.9	122.1	330.0	184.4	613.3	241.8	504.8	233.9	622.0	213.0
February	173.9	148.0	299.8	125.1	401.8	193.9	467.6	199.5	411.4	207.7	585.1	235.1
March	187.5	182.6	296.6	158.0	410.7	213.6	554.0	270.3	522.9	242.2	603.1	267.6
April	162.6	173.8	294.7	160.6	398.6	218.2	529.9	253.9	500.4	279.0	714.8	273.0
May	161.7	164.3	274.2	142.3	474.8	229.2	549.7	280.7	550.9	322.9	604.0	328.9
June	157.1	157.5	268.5	157.7	464.7	245.8	573.5	306.6	483.8	260.4	928.4	292.9
July	154.1	159.7	268.5	143.2	444.7	182.7	372.8	225.8	507.5	241.9	568.7	343.7
August	110.4	129.8	260.6	141.8	510.2	199.3	488.7	267.9	527.0	273.0	646.1	307.3
September	156.1	139.7	300.7	151.2	514.9	164.0	454.5	236.2	550.4	261.7	595.2	435.4
October	194.7	138.1	336.2	149.2	492.8	178.7	542.1	221.2	501.9	246.8	631.6	401.8
November	205.9	126.5	327.7	155.5	516.2	177.0	487.3	220.5	522.2	251.0	740.0	424.8
December	245.6	114.7	359.3	171.8	523.2	204.8	600.1	227.9	565.9	210.9	681.4	380.7
	1920		**1921**		**1922**		**1923**		**1924**		**1925**	
January	722.1	473.8	654.3	208.8	278.8	217.2	335.4	329.3	395.2	295.5	446.4	346.2
February	645.1	467.4	486.5	214.5	250.6	215.7	307.0	303.4	365.8	332.3	370.7	333.4
March	819.6	523.9	386.7	252.0	330.0	256.2	341.4	398.0	339.8	320.5	453.7	385.4
April	684.3	495.7	340.5	254.6	318.5	217.0	325.5	364.3	346.9	324.3	398.3	346.1
May	745.5	431.0	329.7	204.9	307.6	252.8	316.4	372.5	335.1	303.0	370.9	327.5
June	629.4	552.6	336.9	185.7	335.1	260.5	320.0	320.2	307.0	274.0	323.3	325.2
July	651.1	537.1	325.2	178.2	301.2	251.8	302.2	287.4	276.6	278.6	339.7	325.6
August	578.2	513.1	366.9	194.8	301.8	281.4	311.0	275.4	330.7	254.5	379.8	340.1
September	604.7	363.3	324.9	179.3	313.2	298.5	381.4	253.6	427.5	287.1	420.4	350.0
October	751.2	333.2	343.3	188.0	370.7	276.1	399.2	308.3	527.2	310.8	490.6	374.1
November	676.5	321.2	294.1	210.9	380.0	291.8	401.5	291.3	493.6	296.1	447.8	376.4
December	720.3	266.1	296.2	237.5	344.3	293.8	426.7	288.3	445.7	333.2	468.3	396.6
	1926		**1927**		**1928**		**1929**		**1930**		**1931**	
January	396.8	416.8	419.4	356.8	410.8	337.9	488.0	368.9	410.8	311.0	249.6	183.1
February	352.9	387.3	372.4	310.9	371.4	351.0	441.8	369.4	348.9	281.7	224.3	174.9
March	374.4	442.9	409.0	378.3	420.6	380.4	489.9	383.8	369.6	300.5	235.9	210.2
April	388.0	397.9	415.4	375.7	363.9	345.3	425.3	410.7	331.7	307.8	215.1	185.7
May	356.7	320.9	393.1	346.5	422.6	354.0	385.0	400.1	320.0	284.7	204.0	179.7
June	338.0	336.3	357.0	354.9	388.7	317.2	393.2	353.4	294.7	250.3	187.1	173.5
July	368.3	339.0	341.8	319.3	379.0	317.8	402.9	353.0	266.8	220.6	180.8	174.5
August	384.4	336.5	374.8	368.9	379.0	346.7	380.6	369.4	297.8	218.4	164.8	166.7
September	448.1	343.2	425.3	342.2	421.6	319.6	437.2	351.3	312.2	226.4	180.2	170.4
October	455.3	376.9	488.7	355.7	550.0	355.4	528.5	391.1	326.9	247.4	204.9	168.7
November	480.3	373.9	460.9	344.3	544.9	326.6	442.3	338.5	289.0	203.6	193.5	149.5
December	465.4	359.5	407.6	331.2	475.8	339.4	426.6	309.8	274.9	208.6	184.1	153.8

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No. 475.—GOLD[1] UNDER EARMARK FOR FOREIGN ACCOUNT IN THE UNITED STATES

NOTE.—**All figures in thousands of dollars.** Gold under earmark is gold placed by a bank in the custody of its foreign correspondent but segregated and marked so as to indicate that the identical coins or bars earmarked are the bank's property and altogether subject to its disposal. The first transaction occurred Mar. 21, 1916. Amount under earmark at the end of December, 1916, was $6,097,000

Year	Increase or decrease during year of gold under earmark [2]	Month	Amount under earmark at end of month					
			1926	1927	1928	1929	1930	1931
1917	+845	January	19,012	19,779	193,919	144,898	[3] 134,794	125,795
1918		February	30,012	16,599	191,051	144,898	[3] 134,794	123,295
1919	−1,942	March	53,000	18,101	155,251	137,391	119,795	120,295
1920	+17,000	April	53,000	19,101	109,511	88,821	119,295	127,795
1921	−22,000	May	53,000	114,101	136,050	72,694	117,295	123,795
1922	+3,700	June	53,580	114,601	105,997	80,207	115,295	31,531
1923	−700							
1924	+42,213	July	49,580	114,417	45,050	102,194	118,295	61,231
1925	−32,244	August	30,380	116,918	39,134	103,194	118,295	77,231
1926	+26,297	September	32,780	125,918	40,334	109,795	114,303	356,321
1927	+160,153	October	32,776	150,919	39,134	114,296	120,410	463,931
1928	−119,522	November	40,274	190,919	64,136	113,292	[3] 122,536	435,621
1929	+55,398	December	39,266	199,419	79,897	135,295	137,695	458,534
1930	+2,400							
1931	+316,839							

[1] Gold bullion (bars) and United States gold coin.
[2] Increase is the equivalent of net export and decrease the equivalent of net import. [3] Revised.
Source: Federal Reserve Board.

No. 476.—MERCHANDISE TRADE OF CONTINENTAL UNITED STATES WITH FOREIGN COUNTRIES AND OUTLYING TERRITORIES AND POSSESSIONS

IMPORTANT NOTE.—This table differs as to its geographic basis from all other foreign trade tables in this section and in other publications: (1) In the case of other tables the data represent the trade of the "customs area," which includes continental United States, Alaska, Hawaii, and Puerto Rico, with all foreign countries, including the Philippine and Virgin Islands. The data do not cover trade between continental United States and the three territories of Alaska, Hawaii, and Puerto Rico. (2) The present table takes continental United States as the basis. In the totals, trade between it and Alaska, Hawaii, and Puerto Rico is included while the trade of these three Territories with foreign countries is excluded. Trade of continental United States with Guam and American Samoa is also included. Practically all other nations calculate their foreign trade in the manner followed in the present table; that is, totaling the trade of the home country with foreign countries and with all outlying areas. Prior to 1901 Alaska was our only outlying area. Therefore, our foreign trade statistics for 1900 and earlier years very nearly represent the trade of continental United States with foreign countries. Data are for years ended June 30, through 1918; thereafter, for years ended Dec. 31

[All figures in thousands of dollars]

Yearly average or year	Exports [1]			Imports		
	Total	To foreign countries	To U. S. Territories and possessions	Total	From foreign countries	From U. S. Territories and possessions
1903–1905	1,495,616	1,456,132	39,484	1,090,764	1,026,341	64,423
1906–1910	1,829,286	1,761,625	67,661	1,410,329	1,324,594	85,734
1911–1915	2,441,254	2,337,591	103,664	1,811,234	1,681,207	130,027
1915–1920 [2]	6,656,126	6,452,539	203,587	3,596,084	3,274,496	321,588
1921–1925	4,552,455	4,335,341	217,114	3,650,280	3,351,378	298,902
1926–1930	4,961,994	4,694,505	267,488	4,270,498	3,896,506	373,992
1921	4,620,537	4,427,556	192,981	2,672,013	2,438,856	233,157
1922	3,963,077	3,780,024	183,057	3,282,296	3,035,381	246,915
1923	4,333,730	4,109,344	224,386	4,010,641	3,697,607	313,034
1924	4,761,644	4,521,219	240,425	3,832,148	3,494,159	337,989
1925	5,063,287	4,838,565	244,722	4,455,787	4,090,887	364,900
1926	4,991,768	4,729,811	261,957	4,669,318	4,303,302	366,016
1927	5,056,956	4,785,482	271,474	4,421,181	4,047,124	374,057
1928	5,311,007	5,038,693	272,314	4,349,314	3,951,050	398,264
1929	5,425,699	5,147,086	278,613	4,625,145	4,251,077	374,068
1930	4,024,538	3,771,455	253,083	3,287,534	2,929,978	357,556
1931	2,582,237	2,370,469	211,768	2,307,185	1,987,340	319,845

[1] Including reexports of foreign merchandise. [2] Period July 1, 1915, to Dec. 31, 1920.

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No. 477.—EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—**All figures in thousands of dollars.** Specie values. Figures are for fiscal years ended Sept. 30, 1791 to 1842, and June 30, 1843 to 1915, subsequently for calendar years. For calendar years 1901–1915 and fiscal years 1916–1930, see Supplemental Table 479. For total exports and total imports by years prior to 1887, see Table 480. Figures include gold and silver prior to 1821

Yearly average or year	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (−)
	Total	U. S. merchandise	Reexports			
1791–1800	46,774	27,740	19,034	59,185	105,959	−12,411
1801–1810	74,532	38,178	36,354	92,766	167,298	−18,234
1811–1820	58,989	46,270	12,719	80,812	139,801	−21,823
1821–1830	69,421	53,221	16,200	72,949	142,370	−3,528
1831–1840	103,550	88,168	15,382	119,520	223,070	−15,970
1841–1850 [1]	122,620	114,894	7,727	121,123	243,743	+1,498
1851–1860	248,887	232,283	16,604	284,475	533,362	−35,588
1861–1865	187,811	170,198	17,613	255,439	443,250	−67,628
1866–1870	320,842	307,696	13,146	408,295	729,137	−87,453
1871–1875	501,841	486,128	15,713	577,873	1,079,714	−76,032
1876–1880	676,761	663,650	13,111	492,570	1,169,331	+184,191
1881–1885	791,892	774,607	17,285	667,142	1,459,034	+124,750
1886–1890	738,379	725,685	12,694	717,231	1,455,610	+21,148
1891–1895	892,421	876,326	16,095	785,137	1,677,558	+107,284
1896–1900	1,157,318	1,136,039	21,279	741,519	1,898,837	+415,799
1901–1905	1,453,803	1,427,020	26,783	972,162	2,425,965	+481,641
1906–1910	1,778,697	1,750,980	27,717	1,344,838	3,123,535	+433,859
1911–1915	2,370,539	2,331,648	38,891	1,712,319	4,082,858	+658,220
1915–1920 [2]	6,521,190	6,416,513	104,677	3,358,354	9,879,545	+3,162,836
1921–1925	4,397,026	4,310,221	86,805	3,450,103	7,847,129	+946,924
1926–1930	4,777,313	4,687,788	89,526	4,033,469	8,810,782	+743,845
1887	716,183	703,023	13,160	692,320	1,408,503	+23,863
1888	695,955	683,862	12,093	723,957	1,419,912	−28,002
1889	742,401	730,282	12,119	745,132	1,487,533	−2,731
1890	857,829	845,294	12,535	789,310	1,647,139	+68,519
1891	884,481	872,270	12,211	844,916	1,729,397	+39,565
1892	1,030,278	1,015,732	14,546	827,402	1,857,680	+202,876
1893	847,665	831,031	16,634	866,401	1,714,066	−18,736
1894	892,141	869,205	22,936	654,995	1,547,136	+237,146
1895	807,538	793,393	14,145	731,970	1,539,508	+75,568
1896	882,607	863,201	19,406	779,725	1,662,332	+102,882
1897	1,050,994	1,032,008	18,986	764,730	1,815,724	+286,264
1898	1,231,482	1,210,292	21,190	616,050	1,847,532	+615,432
1899	1,227,023	1,203,931	23,092	697,148	1,924,171	+529,875
1900	1,394,483	1,370,764	23,719	849,941	2,244,424	+544,542
1901	1,487,765	1,460,463	27,302	823,172	2,310,937	+664,592
1902	1,381,719	1,355,482	26,237	903,321	2,285,040	+478,398
1903	1,420,142	1,392,232	27,910	1,025,719	2,445,861	+394,423
1904	1,460,827	1,435,179	25,648	991,087	2,451,914	+469,740
1905	1,518,562	1,491,745	26,817	1,117,513	2,636,075	+401,049
1906	1,743,865	1,717,954	25,911	1,226,562	2,970,427	+517,303
1907	1,880,851	1,853,718	27,133	1,434,421	3,315,272	+446,430
1908	1,860,773	1,834,786	25,987	1,194,342	3,055,115	+666,431
1909	1,663,011	1,638,356	24,655	1,311,920	2,974,931	+351,091
1910	1,744,985	1,710,084	34,901	1,556,947	3,301,932	+188,038
1911	2,049,320	2,013,549	35,771	1,527,226	3,576,546	+522,094
1912	2,204,322	2,170,320	34,002	1,653,265	3,857,587	+551,057
1913	2,465,884	2,428,506	37,378	1,813,008	4,278,892	+652,876
1914	2,364,579	2,329,684	34,895	1,893,926	4,258,505	+470,653
1915	2,768,589	2,716,178	52,411	1,674,170	4,442,759	+1,094,419
1915 (6 months)	1,852,863	1,820,393	32,470	912,787	2,765,650	+940,076
1916	5,482,641	5,422,642	59,999	2,391,635	7,874,276	+3,091,006
1917	6,233,513	6,169,617	63,896	2,952,468	9,185,981	+3,281,045
1918	6,149,088	6,047,875	101,213	3,031,213	9,180,301	+3,117,875
1919	7,920,426	7,749,816	170,610	3,904,365	11,824,791	+4,016,061
1920	8,228,016	8,080,481	147,535	5,278,481	13,506,497	+2,949,535
1921	4,485,031	4,378,928	106,103	2,509,148	6,994,179	+1,975,883
1922	3,831,777	3,765,091	66,686	3,112,747	6,944,524	+719,030
1923	4,167,493	4,090,715	76,778	3,792,066	7,959,559	+375,427
1924	4,590,984	4,497,649	93,335	3,609,963	8,200,947	+981,021
1925	4,909,848	4,818,722	91,125	4,226,589	9,136,437	+683,258
1926	4,808,660	4,711,721	96,939	4,430,888	9,239,548	+377,772
1927	4,865,375	4,758,864	106,512	4,184,742	9,050,117	+680,633
1928	5,128,356	5,030,099	98,258	4,091,444	9,219,800	+1,036,912
1929	5,240,995	5,157,083	83,912	4,399,361	9,640,356	+841,634
1930	3,843,181	3,781,172	62,009	3,060,908	6,904,089	+782,273
1931	2,424,289	2,377,982	46,307	2,090,635	4,514,924	+333,654

[1] Period beginning Oct. 1, 1841, and ending June 30, 1850.

[2] Period July 1, 1915, to Dec. 31, 1920.

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No. 478.—EXPORTS AND IMPORTS OF GOLD, SILVER, AND OF MERCHANDISE, GOLD, AND SILVER COMBINED

NOTE.—**All figures in thousands of dollars.** As to periods covered see headnote, Table 477. Figures for gold and silver relate to coin and bullion only prior to 1895; subsequently they include ore also. See also Table 479

Yearly average or year	Gold			Silver			Total merchandise, gold, and silver		
	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)
1821–1830	(1)	(1)	(1)	[1] 7,154	[1] 6,914	[1] +239	76,575	79,863	−3,288
1831–1840	2,154	3,394	−1,240	3,530	7,353	−3,823	109,234	130,268	−21,034
1841–1850 [2]	3,222	5,463	−2,241	3,445	3,443	+2	129,288	130,029	−741
1851–1860	46,372	3,762	+42,610	3,130	3,988	−858	298,399	292,226	+6,173
1861–1865	56,814	15,881	+40,933	3,961	3,172	+789	248,586	274,492	−25,906
1866–1870	50,452	12,030	+38,422	20,746	6,608	+14,138	392,040	426,932	−34,892
1871–1875	52,423	11,497	+40,926	31,915	9,673	+22,242	586,179	599,043	−12,864
1876–1880	15,040	26,790	−11,750	22,670	13,182	+9,488	714,470	532,542	+181,928
1881–1885	19,263	40,333	−21,070	22,739	12,108	+10,631	833,894	719,583	+114,311
1886–1890	29,651	26,163	+3,488	31,082	18,045	+13,037	799,112	761,439	+37,673
1891–1895	77,737	39,588	+38,149	38,777	18,935	+19,842	1,008,935	843,659	+165,276
1896–1900	50,793	74,492	−23,699	58,125	31,234	+26,891	1,266,236	847,245	+418,991
1901–1905	64,580	63,152	+1,428	51,318	28,807	+22,511	1,569,701	1,064,122	+505,579
1906–1910	74,500	89,283	−14,783	58,300	44,244	+14,056	1,911,497	1,478,365	+433,132
1911–1915	83,173	85,969	−2,796	61,432	38,739	+22,693	2,515,144	1,837,027	+678,117
1915–1920 [3]	233,248	382,022	−148,773	143,447	64,217	+79,231	6,897,886	3,804,593	+3,093,293
1921–1925	82,739	347,425	−264,686	79,174	69,409	+9,765	4,558,940	3,866,937	+692,003
1926–1930	222,094	255,528	−33,433	78,566	59,898	+18,668	5,077,974	4,348,894	+729,078
1887	9,701	42,911	−33,210	26,297	17,260	+9,037	752,181	752,491	−310
1888	18,376	43,934	−25,558	28,038	15,404	+12,634	742,369	783,295	−40,926
1889	59,952	10,285	+49,667	36,689	18,678	+18,011	839,043	774,095	+64,948
1890	17,274	12,943	+4,331	34,874	21,033	+13,841	909,977	823,287	+86,690
1891	86,363	18,233	+68,130	22,591	18,027	+4,564	993,434	881,176	+112,258
1892	50,195	49,699	+496	32,811	19,955	+12,856	1,113,284	897,057	+216,227
1893	108,681	21,174	+87,507	40,737	23,193	+17,544	997,083	910,769	+86,314
1894	76,978	72,449	+4,529	50,451	13,287	+37,164	1,019,570	740,730	+278,840
1895	66,468	36,385	+30,083	47,295	20,211	+27,084	921,302	788,566	+132,736
1896	112,410	33,525	+78,885	60,542	28,777	+31,765	1,055,559	842,027	+213,532
1897	40,362	85,015	−44,653	61,947	30,533	+31,414	1,153,302	880,278	+273,024
1898	15,406	120,392	−104,986	55,105	30,928	+24,177	1,301,994	767,369	+534,625
1899	37,522	88,955	−51,433	56,319	30,675	+25,644	1,320,864	816,778	+504,086
1900	48,267	44,573	+3,694	56,712	35,256	+21,456	1,499,462	929,771	+569,691
1901	53,185	66,051	−12,866	64,285	36,387	+27,898	1,605,235	925,610	+679,625
1902	48,569	52,021	−3,452	49,732	28,232	+21,500	1,480,021	983,574	+496,447
1903	47,091	44,982	+2,109	44,250	24,163	+20,087	1,511,483	1,094,865	+416,618
1904	81,460	99,055	−17,595	49,473	27,769	+21,704	1,591,760	1,117,912	+473,848
1905	92,594	53,649	+38,945	48,849	27,485	+21,364	1,660,005	1,198,647	+461,358
1906	38,574	96,222	−57,648	65,869	44,443	+21,426	1,848,307	1,367,227	+481,080
1907	51,399	114,510	−63,111	56,739	42,947	+13,792	1,988,989	1,591,878	+397,111
1908	72,433	148,337	−75,904	57,921	44,658	+13,263	1,991,127	1,387,337	+603,790
1909	91,532	44,004	+47,528	55,683	43,955	+11,728	1,810,226	1,399,879	+410,347
1910	118,563	43,340	+75,223	55,287	45,217	+10,070	1,918,835	1,645,505	+273,330
1911	22,510	73,607	−51,097	64,750	45,937	+18,813	2,136,580	1,646,770	+489,810
1912	57,328	48,937	+8,391	64,891	47,050	+17,841	2,326,541	1,749,252	+577,289
1913	77,763	69,194	+8,569	71,614	41,269	+30,345	2,615,261	1,923,471	+691,790
1914	112,039	66,539	+45,500	54,965	30,327	+24,638	2,531,583	1,990,791	+540,792
1915	146,224	171,569	−25,345	50,942	29,110	+21,832	2,965,756	1,874,849	+1,090,907
1915 (6 mos.)	23,843	307,030	−283,187	28,750	18,742	+10,008	1,905,456	1,238,559	+666,897
1916	155,793	685,990	−530,197	70,595	32,263	+38,332	5,709,029	3,109,889	+2,599,140
1917	371,884	552,454	−180,570	84,131	53,340	+30,791	6,689,527	3,558,263	+3,131,264
1918	41,070	62,043	−20,973	252,846	71,376	+181,470	6,443,004	3,164,631	+3,278,373
1919	368,185	76,534	+291,651	239,021	89,410	+149,611	8,527,632	4,070,309	+4,457,323
1920	322,091	417,068	−94,977	113,616	88,060	+25,556	8,663,724	5,783,610	+2,880,114
1921	23,891	691,248	−667,357	51,575	63,243	−11,668	4,560,497	3,263,639	+1,296,858
1922	36,875	275,170	−238,295	62,807	70,807	−7,999	3,931,459	3,458,724	+472,735
1923	28,643	322,716	−294,073	72,469	74,454	−1,985	4,268,605	4,189,236	+79,369
1924	61,648	319,721	−258,073	109,891	73,945	+35,946	4,762,523	4,003,628	+758,895
1925	262,640	128,272	+134,367	99,128	64,596	+34,532	5,271,615	4,419,458	+852,157
1926	115,708	213,504	−97,796	92,258	69,596	+22,662	5,016,626	4,713,988	+302,638
1927	201,455	207,535	−6,080	75,625	55,074	+20,551	5,142,455	4,447,351	+695,104
1928	560,759	168,897	+391,862	87,382	69,117	+19,265	5,776,497	4,328,458	+1,448,039
1929	116,583	291,649	+175,066	83,407	63,940	+19,467	5,440,985	4,754,950	+686,035
1930	115,967	396,054	−280,087	54,157	42,761	+11,396	4,613,305	3,499,723	+513,582
1931	466,794	612,119	−145,325	26,485	28,664	−2,179	2,917,568	2,731,418	+186,150

[1] Data shown under silver are for gold and silver. These were not shown separately prior to 1825.
[2] Period beginning Oct. 1, 1841, and ending June 30, 1850. [3] Period July 1, 1915, to Dec. 31, 1920.

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No. 479.—SUPPLEMENT TO TABLES 477 AND 478: CALENDAR YEARS 1901 TO 1915, AND FISCAL YEARS ENDED JUNE 30, 1916 TO 1931

[All figures in thousands of dollars]

Year	Merchandise					
	Exports			General imports	Total exports and imports	Excess of exports (+) or imports (−)
	Total	U. S. merchandise	Reexports			
1901	1,465,376	1,438,079	27,297	880,420	2,345,796	+584,956
1902	1,360,686	1,333,269	27,418	969,317	2,330,003	+391,369
1903	1,484,753	1,457,647	27,106	995,494	2,480,247	+489,259
1904	1,451,319	1,425,711	25,608	1,035,909	2,487,228	+415,410
1905	1,626,991	1,599,423	27,568	1,179,145	2,806,136	+447,846
1906	1,798,243	1,772,716	25,527	1,320,502	3,118,745	+477,742
1907	1,923,426	1,895,356	28,070	1,423,170	3,346,596	+500,256
1908	1,752,835	1,728,670	24,165	1,116,374	2,869,209	+636,461
1909	1,728,199	1,700,722	27,477	1,475,521	3,203,720	+252,678
1910	1,866,259	1,829,023	37,236	1,562,904	3,429,163	+303,355
1911	2,092,527	2,058,413	34,114	1,532,359	3,624,886	+560,168
1912	2,399,218	2,362,696	36,522	1,818,073	4,217,291	+581,145
1913	2,484,018	2,448,284	35,734	1,792,596	4,276,614	+691,422
1914	2,113,624	2,071,058	42,566	1,789,276	3,902,900	+324,348
1915	3,554,671	3,493,231	61,440	1,778,597	5,333,268	+1,776,074
1916	4,333,483	4,272,178	61,305	2,197,884	6,531,367	+2,135,599
1917	6,290,048	6,227,164	62,884	2,659,355	8,949,403	+3,630,693
1918	5,919,711	5,838,652	81,059	2,945,655	8,865,366	+2,974,056
1919	7,232,283	7,081,462	150,821	3,095,720	10,328,003	+4,136,563
1920	8,108,989	7,949,309	159,680	5,238,352	13,347,341	+2,870,637
1921	6,516,510	6,385,884	130,626	3,654,459	10,170,969	+2,862,051
1922	3,771,156	3,699,909	71,247	2,608,079	6,379,235	+1,163,077
1923	3,956,733	3,886,682	70,051	3,780,959	7,737,692	+175,774
1924	4,311,656	4,223,973	87,683	3,554,037	7,865,693	+757,619
1925	4,864,580	4,778,154	86,426	3,824,128	8,688,708	+1,040,452
1926	4,753,382	4,653,148	100,234	4,464,872	9,218,254	+288,509
1927	4,968,100	4,867,346	100,753	4,252,024	9,220,124	+716,076
1928	4,877,071	4,773,332	103,738	4,147,499	9,024,570	+729,572
1929	5,373,407	5,283,938	89,469	4,291,888	9,665,295	+1,081,519
1930	4,693,626	4,617,730	75,895	3,848,971	8,542,597	+844,655
1931	3,083,429	3,031,557	51,873	2,432,074	5,515,503	+651,355

Year	Gold			Silver			Total merchandise, gold and silver		
	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)	Exports	Imports	Excess of exports (+) or imports (−)
1901	57,784	54,762	+3,022	55,638	31,147	+24,491	1,578,798	966,329	+612,469
1902	36,031	44,193	−8,162	49,273	26,403	+22,870	1,445,990	1,039,913	+406,077
1903	44,347	65,268	−20,921	40,610	23,975	+16,635	1,569,710	1,084,737	+484,973
1904	121,212	84,803	+36,409	50,135	26,087	+24,048	1,622,666	1,146,799	+475,867
1905	46,794	50,293	−3,499	57,513	35,939	+21,574	1,731,298	1,265,377	+465,921
1906	46,709	155,579	−108,870	60,957	44,228	+16,729	1,905,909	1,520,309	+385,600
1907	55,216	143,398	−88,182	61,626	45,912	+15,714	2,040,268	1,612,480	+427,788
1908	81,215	50,276	+30,939	51,838	42,224	+9,614	1,885,888	1,208,874	+677,014
1909	132,881	44,087	+88,794	57,592	46,188	+11,404	1,918,672	1,565,796	+352,876
1910	58,775	59,223	−448	57,361	45,878	+11,483	1,982,395	1,668,005	+314,390
1911	37,183	57,445	−20,262	65,665	43,747	+21,918	2,195,375	1,633,551	+561,824
1912	47,425	66,549	−19,124	71,962	48,401	+23,561	2,518,605	1,933,023	+585,582
1913	91,799	63,705	+28,094	62,777	35,868	+26,909	2,638,594	1,892,169	+746,425
1914	222,616	57,388	+165,228	51,603	25,959	+25,644	2,387,843	1,872,623	+515,220
1915	31,426	451,955	−420,529	53,599	34,484	+19,115	3,639,696	2,265,036	+1,374,660
1916	90,250	494,009	−403,759	59,792	34,154	+25,638	4,483,525	2,726,047	+1,757,478
1917	291,921	977,176	−685,255	78,280	35,004	+43,276	6,660,249	3,671,535	+2,988,714
1918	190,852	124,413	+66,439	139,181	70,328	+68,853	6,249,744	3,140,396	+3,109,348
1919	116,576	62,364	+54,212	301,175	78,825	+222,350	7,650,034	3,236,909	+4,413,125
1920	466,421	150,540	+315,881	179,037	102,900	+76,137	8,754,447	5,491,792	+3,262,655
1921	133,538	638,560	−505,022	52,536	59,431	−6,895	6,702,584	4,352,450	+2,350,134
1922	27,345	468,318	−440,973	62,695	70,684	−7,989	3,861,196	3,147,081	+714,115
1923	49,022	284,090	−235,068	55,907	64,947	−9,040	4,061,662	4,129,996	−68,334
1924	10,207	417,026	−406,819	98,786	79,940	+18,846	4,420,649	4,051,003	+369,646
1925	248,730	134,145	+114,585	108,829	71,608	+37,221	5,222,139	4,029,881	+1,192,258
1926	113,438	210,726	−97,288	97,982	69,401	+28,581	4,964,802	4,744,999	+219,802
1927	103,844	251,756	−147,912	80,881	59,605	+21,276	5,152,825	4,563,385	+589,440
1928	627,102	129,140	+497,962	79,964	59,530	+20,434	5,584,137	4,336,169	+1,247,968
1929	112,291	267,428	−155,137	86,406	69,400	+17,006	5,572,104	4,628,716	+943,338
1930	119,196	342,340	−223,145	72,053	54,477	+17,576	4,884,875	4,245,788	+639,087
1931	107,094	403,795	−296,701	38,931	33,522	+5,409	3,229,454	2,869,391	+360,063

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No. 480.—MERCHANDISE EXPORTS AND IMPORTS WITH TRADE BALANCES: FOR INDIVIDUAL YEARS 1790 TO 1886

NOTE.—All figures in thousands of dollars. Specie values. For later years see Table 477. Fiscal years ended Sept. 30, 1790 to 1842, June 30 thereafter

Year	Exports[1]	Imports[1]	Excess of exports (+) or imports (−)
1790	20,205	23,000	−2,795
1791	19,012	29,200	−10,188
1792	20,753	31,500	−10,747
1793	26,110	31,100	−4,990
1794	33,044	34,600	−1,556
1795	47,990	69,756	−21,766
1796	58,575	81,436	−22,861
1797	51,295	75,379	−24,084
1798	61,327	68,552	−7,225
1799	78,666	79,069	−403
1800	70,972	91,253	−20,281
1801	93,021	111,364	−18,343
1802	71,957	76,333	−4,376
1803	55,800	64,667	−8,867
1804	77,699	85,000	−7,301
1805	95,566	120,600	−25,034
1806	101,537	129,410	−27,873
1807	108,343	138,500	−30,157
1808	22,431	56,990	−34,559
1809	52,203	59,400	−7,197
1810	66,758	85,400	−18,642
1811	61,317	53,400	+7,917
1812	38,527	77,030	−38,503
1813	27,856	22,005	+5,851
1814	6,927	12,965	−6,038
1815	52,558	113,041	−60,482
1816	81,920	147,103	−65,183
1817	87,672	99,250	−11,578
1818	93,281	121,750	−28,469
1819	70,143	87,125	−16,982
1820	69,692	74,450	−4,758
1821	54,496	54,521	−25
1822	61,350	79,872	−18,522
1823	68,326	72,481	−4,155
1824	68,972	72,169	−3,197
1825	90,738	90,189	+549
1826	72,891	78,094	−5,203
1827	74,310	71,333	+2,977
1828	64,021	81,020	−16,999
1829	67,435	67,089	+346
1830	71,671	62,721	+8,950
1831	72,296	95,885	−23,589
1832	81,521	95,122	−13,601
1833	87,529	101,048	−13,519
1834	102,260	108,610	−6,350
1835	115,216	136,764	−21,548
1836	124,339	176,579	−52,240
1837	111,443	130,473	−19,030
1838	104,979	95,970	+9,009
1839	112,252	156,497	−44,245
1840	123,669	98,259	+25,410
1841	111,817	122,958	−11,141
1842	99,878	96,075	+3,803
1843[2]	82,826	42,433	+40,393
1844	105,746	102,605	+3,141
1845	106,040	113,184	−7,144
1846	109,583	117,914	−8,331
1847	156,742	122,424	+34,318
1848	138,191	148,639	−10,448
1849	140,351	141,206	−855
1850	144,376	173,510	−29,134
1851	188,915	210,771	−21,856
1852	166,984	207,440	−40,456
1853	203,489	263,777	−60,288
1854	237,044	297,804	−60,760
1855	218,910	257,809	−38,899
1856	281,219	310,432	−29,213
1857	293,824	348,428	−54,604
1858	272,011	263,339	+8,672
1859	292,902	331,333	−38,431
1860	333,576	353,616	−20,040
1861	219,554	289,311	−69,757
1862	190,671	189,357	+1,314
1863	203,964	243,336	−39,372
1864	158,838	316,447	−157,609
1865	166,029	238,746	−72,717
1866	348,860	434,812	−85,952
1867	294,506	395,761	−101,255
1868	281,953	357,436	−75,483
1869	286,118	417,506	−131,388
1870	392,772	435,958	−43,186
1871	442,820	520,224	−77,404
1872	444,178	626,595	−182,417
1873	522,480	642,136	−119,656
1874	586,283	567,406	+18,877
1875	513,443	533,005	−19,562
1876	540,385	460,741	+79,644
1877	602,475	451,323	+151,152
1878	694,866	437,052	+257,814
1879	710,439	445,778	+264,664
1880	835,639	667,955	+167,681
1881	902,377	642,665	+259,712
1882	750,542	724,640	+25,902
1883	823,839	723,181	+100,658
1884	740,514	667,698	+72,816
1885	742,190	577,527	+164,663
1886	679,525	635,436	+44,089

[1] Includes gold and silver prior to 1821. [2] Period beginning Oct. 1, 1842, and ending June 30, 1843.

No. 481.—PER CAPITA EXPORTS AND IMPORTS OF MERCHANDISE

NOTE.—Export figures for 1791 to 1820 are based on total exports including reexports (the latter were then relatively large) and for 1821 to date, on exports of United States merchandise only, shown in Table 477. Import figures for 1791 to 1820 are based on general imports shown in Table 477, for 1821 to 1870, total imports less reexports, and for 1871 to date, imports for consumption, shown in Table 482

Yearly average	Exports	Imports	Yearly average or year	Exports	Imports	Year	Exports	Imports	Year	Exports	Imports
	Dollars	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*		*Dollars*	*Dollars*
1791–1800	10.08	12.75	1911–1915	23.98	17.46	1898	16.62	8.06	1915	27.13	16.46
1801–1810	11.82	14.71	1915–1920	61.20	31.37	1899	16.24	9.24	1916	53.01	23.06
1811–1820	6.96	9.53	1921–1925	38.05	30.22	1900	18.17	11.01	1917	59.48	28.14
1821–1830	4.71	5.02	1926–1930	38.50	33.02	1901	18.69	10.34	1918	57.51	28.06
1831–1840	5.85	6.91	1885	12.97	10.34	1902	16.99	11.28	1919	72.69	35.90
1841–1850	5.67	5.60	1886	11.62	10.89	1903	17.10	12.38	1920	74.70	47.16
1851–1860	8.48	9.78	1887	12.00	11.60	1904	17.28	11.82	1921	39.86	23.27
1861–1865	5.11	7.15	1888	11.43	11.81	1905	17.62	12.84	1922	33.75	27.55
1866–1870	8.35	10.73	1889	11.95	12.02	1906	19.90	14.06	1923	36.11	32.95
1871–1875	11.70	13.55	1890	13.54	12.27	1907	21.08	16.09	1924	39.12	31.10
1876–1880	14.01	10.18	1891	13.69	13.27	1908	20.48	13.21	1925	41.30	35.80
1881–1885	14.49	12.50	1892	15.62	12.37	1909	17.96	14.05	1926	39.81	37.24
1886–1890	12.12	11.73	1893	12.53	12.56	1910	18.41	16.66	1927	39.63	34.67
1891–1895	13.21	11.59	1894	12.85	9.32	1911	21.34	16.19	1928	41.31	33.49
1896–1900	15.60	10.03	1895	11.51	10.61	1912	22.65	17.13	1929	41.77	35.14
1901–1905	17.53	11.75	1896	12.29	10.82	1913	24.97	18.17	1930	30.21	24.88
1906–1910	19.54	14.82	1897	14.43	11.03	1914	23.61	19.32	1931	18.86	16.56

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No. 482.—IMPORTS ENTERED FOR CONSUMPTION AND DUTIES THEREON

NOTE.—From 1821 to 1866, inclusive, the figures *of* import values represent total imports less reexports, and for 1867 and later years imports entered for consumption. The "ratio of duties to total" is based upon the values of imports, shown in the table. Figures cover fiscal years ended Sept. 30, 1821 to 1842, and June 30, 1843 to 1915; calendar years thereafter

Yearly average or year	Values				Duties	Ratio of duties to total		Amount of duties per capita
	Total	Free	Dutiable	Per cent free		Free and dutiable	Dutiable	
	1,000 dollars	*1,000 dollars*	*1,000 dollars*		*1,000 dollars*	*Per cent*	*Per cent*	*Dollars*
1821–1830	56,749	3,325	53,424	5.86	26,282	46.31	49.20	2.32
1831–1840	104,139	39,680	64,459	38.10	24,509	23.53	38.02	1.63
1841–1850	110,561	20,347	90,214	18.40	26,738	24.18	29.64	1.32
1851–1860	267,871	40,685	227,186	15.19	54,511	20.35	23.99	1.99
1861–1865	237,826	45,110	192,716	18.97	65,275	27.45	33.87	1.96
1866–1870	393,447	26,242	367,205	6.67	174,809	44.43	47.61	4.75
1871–1875	563,234	112,458	450,776	19.97	183,014	32.49	40.60	4.40
1876–1880	482,071	154,501	327,570	32.05	143,388	29.74	43.77	3.03
1881–1885	663,128	204,673	458,455	30.86	197,801	29.83	43.15	3.70
1886–1890	702,234	237,299	464,935	33.80	213,358	30.38	45.89	3.56
1891–1895	768,756	401,921	366,835	52.29	173,832	22.61	47.39	2.62
1896–1900	730,411	341,753	388,658	46.79	181,328	24.83	46.65	2.49
1901–1905	956,891	428,830	528,061	44.81	256,469	26.80	48.57	3.15
1906–1910	1,328,137	615,416	712,721	46.34	305,440	23.00	42.86	3.41
1911–1915	1,698,028	966,141	731,887	56.89	283,408	16.69	38.72	2.91
1915–1920[1]	3,288,839	2,262,412	1,028,245	68.79	227,035	6.90	22.08	2.17
1921–1925	3,422,748	2,088,932	1,333,816	61.03	478,911	13.99	35.90	4.22
1926–1930	4,020,350	2,645,610	1,374,740	65.81	550,742	13.70	40.06	4.40
1888	707,091	238,947	468,144	33.78	216,042	30.55	46.15	3.61
1889	734,681	249,824	484,857	34.05	220,576	30.02	45.49	3.61
1890	765,708	258,137	507,571	33.71	226,540	29.59	44.63	3.63
1891	845,483	379,028	466,455	44.83	216,885	25.65	46.50	3.40
1892	804,297	448,771	355,526	55.78	174,124	21.65	48.98	2.68
1893	832,732	432,450	400,282	51.93	199,143	23.91	49.75	3.00
1894	630,107	372,462	257,645	59.11	129,558	20.56	50.29	1.92
1895	731,162	376,890	354,272	51.55	149,450	20.44	42.19	2.17
1896	759,694	368,897	390,797	48.56	157,013	20.67	40.18	2.24
1897	789,251	381,902	407,349	48.39	172,760	21.89	42.41	2.41
1898	587,153	291,534	295,619	49.65	145,438	24.77	49.20	2.00
1899	685,441	299,669	385,772	43.72	202,072	29.48	52.38	2.73
1900	830,519	366,760	463,759	44.16	229,360	27.62	49.46	3.04
1901	807,763	339,093	468,670	41.98	233,556	28.91	49.83	2.99
1902	899,793	396,542	503,251	44.01	251,453	27.95	49.97	3.15
1903	1,007,960	437,291	570,669	43.38	280,752	27.85	49.20	3.45
1904	981,822	454,153	527,669	46.26	258,161	26.29	48.92	3.11
1905	1,087,118	517,073	570,045	47.56	258,426	23.77	45.33	3.05
1906	1,213,417	548,695	664,722	45.22	293,910	24.22	44.22	3.40
1907	1,415,402	641,953	773,449	45.35	329,480	23.28	42.60	3.75
1908	1,183,120	525,704	657,416	44.43	282,582	23.88	42.98	3.15
1909	1,281,641	599,376	682,265	46.77	294,667	22.99	43.19	3.23
1910	1,547,109	761,353	785,756	49.21	326,561	21.11	41.56	3.52
1911	1,527,945	776,964	750,981	50.85	309,965	20.29	41.27	3.28
1912	1,640,722	881,513	759,209	53.73	304,899	18.58	40.16	3.18
1913	1,766,689	986,972	779,717	55.87	312,509	17.69	40.08	3.21
1914	1,906,400	1,152,392	754,008	60.45	283,719	14.88	37.63	2.87
1915	1,648,386	1,032,863	615,523	62.66	205,946	12.49	33.46	2.06
1915 (6 mos.)	934,675	631,384	303,291	67.56	95,858	10.26	31.61	.95
1916	2,353,612	1,614,842	743,770	68.47	214,214	9.10	28.80	2.11
1917	2,919,291	2,140,947	778,344	73.34	204,585	7.01	26.28	1.99
1918	2,951,531	2,228,675	722,856	75.51	170,934	5.79	23.65	1.64
1919	3,827,683	2,711,462	1,116,221	70.84	237,456	6.20	21.27	2.24
1920	5,101,823	3,115,958	1,985,865	61.08	325,646	6.38	16.40	3.03
1921	2,556,869	1,564,278	992,591	61.18	292,397	11.44	29.46	2.66
1922	3,073,773	1,888,240	1,185,533	61.43	451,356	14.68	38.07	4.05
1923	3,731,769	2,165,148	1,566,621	58.02	566,664	15.18	36.17	5.00
1924	3,575,111	2,118,168	1,456,943	59.25	532,286	14.89	36.53	4.63
1925	4,176,218	2,708,828	1,467,391	64.87	551,853	13.21	37.61	4.73
1926	4,408,076	2,908,107	1,499,969	65.97	590,045	13.39	39.34	4.98
1927	4,163,090	2,680,059	1,483,031	64.38	574,839	13.81	38.76	4.79
1928	4,077,937	2,678,633	1,399,304	65.68	542,270	13.30	38.76	4.45
1929	4,338,572	2,880,128	1,458,444	66.38	584,771	13.48	40.10	4.74
1930	3,114,077	2,081,123	1,032,954	66.83	461,790	14.83	44.71	3.69
1931	2,088,455	1,391,693	696,762	66.64	370,771	17.75	53.21	2.94

[1] Period July 1, 1915, to Dec. 31, 1920.

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No. 483.—PERCENTAGE DISTRIBUTION OF EXPORTS AND IMPORTS OF MERCHANDISE, BY ECONOMIC CLASSES

NOTE.—Percentages are based on figures shown in Table 484

Year or yearly average	Per cent of total exports of United States merchandise					Per cent of total general imports				
	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures
1821	60.62	4.79	19.51	9.42	5.66	4.66	11.15	19.85	7.48	56.86
1830	62.65	4.65	16.32	7.04	9.34	7.65	11.77	15.39	8.22	56.97
1840	67.83	4.09	14.27	4.34	9.47	12.36	15.54	15.46	11.56	45.09
1850	62.36	5.59	14.84	4.49	12.72	7.24	10.38	12.37	14.08	54.93
1851–1860	61.67	6.61	15.39	4.01	12.32	9.63	11.70	15.43	12.50	50.74
1861–1865	19.97	22.13	34.42	5.69	17.78	14.12	14.29	17.47	13.60	40.52
1866–1870	57.62	9.05	13.75	4.68	14.89	11.71	13.23	19.93	13.87	41.26
1871–1875	44.94	15.47	19.59	4.67	15.33	16.12	14.12	20.07	13.56	39.27
1876–1880	32.24	23.93	24.39	4.55	14.87	18.55	18.56	21.49	12.45	29.35
1881–1885	33.78	21.00	25.50	4.78	14.94	19.98	14.90	19.15	13.73	32.25
1886–1890	38.13	14.98	25.01	5.52	16.36	22.65	15.77	16.49	15.76	29.33
1891–1895	33.67	17.21	27.22	6.32	15.57	23.59	18.66	17.92	14.37	25.45
1896–1900	26.11	18.90	24.01	9.64	21.33	29.47	15.08	15.93	13.35	26.17
1901–1905	30.27	12.19	22.16	11.30	24.07	33.38	12.92	12.36	16.65	24.69
1906–1910	31.68	8.90	18.12	14.23	27.07	34.56	10.98	11.80	17.82	24.84
1911–1915	30.74	8.83	14.32	15.41	30.70	34.91	12.80	12.56	17.37	22.36
1915–1920[1]	18.22	9.16	17.66	15.39	39.58	40.13	12.15	16.21	17.10	14.40
1921–1925	27.54	9.74	13.93	12.45	36.33	37.40	11.09	12.99	17.66	20.86
1926–1930	24.40	6.40	9.72	14.14	45.35	36.80	12.56	9.88	18.89	21.88
1910–1914	33.48	5.94	13.84	16.03	30.71	35.23	12.03	11.50	18.18	23.05
1915–1919[2]	16.13	9.62	18.09	16.67	39.47	41.33	12.43	14.14	17.64	14.50
1888	40.00	12.63	24.84	5.88	16.65	22.65	16.03	15.34	16.80	29.17
1889	39.85	13.54	23.90	5.85	16.87	23.11	16.53	16.41	15.44	28.52
1890	36.61	15.62	26.59	5.50	15.68	22.79	16.28	16.89	14.81	29.23
1891	40.28	12.17	25.96	5.49	16.09	22.79	17.83	17.48	16.15	25.75
1892	31.48	25.84	24.66	4.95	13.07	23.54	21.22	16.89	13.63	24.72
1893	30.28	18.43	29.73	5.94	15.63	25.00	15.19	17.75	15.65	26.40
1894	32.60	15.30	28.77	7.72	15.61	20.56	20.35	23.72	12.65	22.72
1895	33.94	12.50	27.61	7.85	18.10	25.62	19.31	14.63	13.18	27.26
1896	29.80	14.90	25.41	8.85	21.04	26.06	16.67	15.24	12.96	29.07
1897	29.49	17.58	22.79	9.52	20.63	26.25	16.79	16.90	11.57	28.48
1898	24.44	25.21	23.54	8.43	18.38	31.44	16.88	13.97	12.88	24.84
1899	23.75	19.35	25.31	9.78	21.81	30.60	14.19	17.71	13.19	24.32
1900	24.81	16.48	23.32	11.18	24.20	33.14	11.52	15.65	15.79	23.90
1901	28.17	16.83	23.09	10.16	21.76	30.88	13.43	15.25	15.49	24.96
1902	28.60	13.63	24.26	9.75	23.75	34.13	13.31	10.56	16.34	25.62
1903	29.85	13.31	23.22	10.10	23.52	32.80	11.62	11.37	19.08	25.13
1904	32.54	9.46	21.52	12.19	24.30	33.05	13.34	11.93	16.17	25.51
1905	32.08	7.92	18.97	14.07	26.96	35.42	13.08	13.01	15.91	22.58
1906	29.53	10.32	20.22	13.17	26.76	34.55	10.95	11.44	17.96	25.10
1907	32.40	9.03	18.65	14.00	25.93	34.00	10.44	11.06	19.11	25.39
1908	30.70	10.30	18.10	14.23	26.68	31.31	12.19	12.31	16.43	27.77
1909	32.27	8.28	18.47	14.11	26.87	35.13	12.51	12.63	16.94	22.80
1910	33.57	6.42	15.16	15.66	29.19	37.11	9.30	11.66	18.31	23.62
1911	35.79	5.13	14.01	15.35	29.72	34.36	11.87	11.26	18.84	23.67
1912	33.69	4.60	14.69	16.04	30.98	34.66	13.93	11.86	17.77	21.78
1913	30.48	7.49	13.23	16.83	31.97	35.82	11.68	10.72	19.27	22.51
1914	34.33	5.90	12.59	16.06	31.11	34.31	13.09	12.02	16.86	23.72
1915	21.77	18.66	16.74	13.10	29.73	35.33	13.38	17.07	14.17	20.04
1915 (6 mos.)	16.66	8.67	16.08	14.72	43.87	41.46	14.29	12.43	15.75	16.08
1916	15.04	7.76	11.95	16.82	48.43	43.04	10.88	14.13	17.45	14.46
1917	13.50	8.28	13.08	21.39	43.77	43.56	13.07	11.90	18.18	13.28
1918	16.07	9.05	23.25	17.41	34.22	40.70	11.41	13.12	21.43	13.34
1919	20.94	8.75	25.32	11.90	33.08	43.57	13.97	14.23	15.60	12.64
1920	23.30	11.36	13.82	11.86	39.66	33.79	10.94	23.46	15.20	16.61
1921	22.46	15.38	15.66	9.38	37.12	34.23	11.96	14.68	14.41	24.71
1922	26.25	12.18	15.62	11.63	34.32	37.91	10.59	12.44	17.76	21.30
1923	29.54	6.29	14.26	13.78	36.12	37.10	9.58	13.98	19.00	20.34
1924	29.63	8.73	12.75	13.57	35.32	34.86	11.77	14.45	18.17	20.76
1925	29.51	6.60	11.90	13.73	38.26	41.36	11.71	10.24	17.87	18.83
1926	26.77	7.11	10.67	13.91	41.54	40.47	12.18	9.42	18.15	19.78
1927	25.07	8.85	9.74	14.70	41.64	38.25	12.06	10.77	17.92	21.00
1928	25.71	5.86	9.26	14.24	44.93	35.85	13.44	9.91	18.65	22.15
1929	22.15	5.23	9.40	14.13	49.09	35.43	12.24	9.63	20.12	22.58
1930	21.93	4.72	9.59	13.56	50.20	32.74	13.07	9.59	19.87	24.73
1931	23.83	5.34	10.38	13.35	47.10	30.72	14.58	10.63	17.80	26.27

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years.

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No. 484.—EXPORTS OF UNITED STATES MERCHANDISE

NOTE.—All figures in thousands of dollars. Merchandise only, specie values. Figures cover fiscal years covered by each class see Annual Commerce and Navigation of the United States. Owing to the special also shown

Yearly average or year	Exports of United States merchandise					
	Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semi-manufactures	Finished manufactures
1821	51,684	31,332	2,475	10,085	4,867	2,925
1830	58,525	36,665	2,724	9,557	4,118	5,462
1840	111,661	75,735	4,565	15,936	4,841	10,584
1850	134,900	84,124	7,536	20,017	6,061	17,162
1851–1860	232,149	143,156	15,337	35,734	9,317	28,605
1861–1865	170,198	33,990	37,670	58,585	9,686	30,267
1866–1870	307,696	177,296	27,858	42,306	14,408	45,828
1871–1875	486,128	218,449	75,206	95,282	22,681	74,509
1876–1880	663,650	213,989	158,853	161,915	30,174	98,719
1881–1885	774,607	261,645	162,714	197,457	37,044	115,747
1886–1890	725,685	276,703	108,708	181,521	40,023	118,730
1891–1895	876,326	295,087	150,846	238,580	55,343	136,470
1896–1900	1,136,039	296,664	214,778	272,759	109,500	242,338
1901–1905	1,427,020	432,027	173,972	316,226	161,206	343,589
1906–1910	1,750,980	554,754	155,828	317,374	249,134	473,890
1911–1915	2,331,648	716,637	205,939	333,971	359,239	715,861
1915–1920 [1]	6,416,513	1,168,995	587,588	1,133,226	987,185	2,539,520
1921–1925	4,310,221	1,187,056	420,002	600,710	536,793	1,565,660
1926–1930	4,687,788	1,143,762	299,794	455,814	662,688	2,125,730
1910–1914	2,130,429	713,184	126,506	294,908	341,620	654,211
1915–1919 [1]	5,227,127	843,258	502,763	945,729	871,731	2,063,646
1888	683,862	273,553	86,368	169,872	40,176	113,893
1889	730,282	291,034	98,847	174,504	42,713	123,184
1890	845,294	309,482	132,073	224,757	46,455	132,527
1891	872,270	351,355	106,156	226,448	47,961	140,350
1892	1,015,732	319,761	262,456	250,439	50,284	132,792
1893	831,031	251,669	153,278	247,075	49,071	129,938
1894	869,205	283,357	133,197	249,846	67,145	135,659
1895	793,393	269,294	99,145	219,090	62,254	143,610
1896	863,201	257,227	128,551	219,413	76,220	181,789
1897	1,032,008	304,291	181,421	235,052	98,284	212,959
1898	1,210,292	295,775	305,109	284,880	101,991	222,537
1899	1,203,931	285,887	232,903	304,755	117,730	262,657
1900	1,370,764	340,139	225,906	319,696	153,276	331,747
1901	1,460,463	411,377	245,836	337,153	148,351	317,746
1902	1,355,482	387,711	184,786	328,832	132,206	321,947
1903	1,392,232	415,543	185,308	323,245	140,667	327,469
1904	1,435,179	466,984	135,747	308,836	174,877	348,735
1905	1,491,745	478,518	118,185	283,065	209,926	402,050
1906	1,717,954	507,328	177,216	347,385	226,211	459,813
1907	1,853,718	600,540	167,348	345,707	259,442	480,681
1908	1,834,786	563,197	189,052	331,962	261,106	489,470
1909	1,638,356	528,691	135,694	302,555	231,144	440,272
1910	1,710,084	574,015	109,828	259,260	267,766	499,215
1911	2,013,549	720,611	103,402	282,017	309,152	598,368
1912	2,170,320	731,164	99,899	318,839	348,150	672,268
1913	2,428,506	740,290	181,907	321,204	408,807	776,297
1914	2,329,684	799,838	137,495	293,219	374,224	724,908
1915	2,716,178	591,282	506,993	454,575	355,862	807,466
1915 (6 mos.)	1,820,393	303,228	157,897	292,720	268,002	798,546
1916	5,422,642	815,693	421,284	648,039	912,262	2,625,364
1917	6,169,617	832,827	508,762	806,941	1,315,242	2,705,845
1918	6,047,875	972,107	547,436	1,405,820	1,053,270	2,069,242
1919	7,749,816	1,623,085	678,363	1,962,616	922,246	2,563,505
1920	8,080,481	1,882,530	917,991	1,116,605	958,497	3,204,858
1921	4,378,928	983,553	673,334	685,025	410,167	1,626,849
1922	3,765,091	988,456	458,611	587,987	437,730	1,292,307
1923	4,090,715	1,208,468	257,478	583,292	563,718	1,477,759
1924	4,497,649	1,332,746	392,691	573,492	610,668	1,588,052
1925	4,818,722	1,422,058	317,894	573,753	661,683	1,843,334
1926	4,711,721	1,261,325	335,063	503,005	655,547	1,956,781
1927	4,758,864	1,192,776	421,107	463,299	699,727	1,981,955
1928	5,030,099	1,293,257	294,677	465,811	716,352	2,260,002
1929	5,157,083	1,142,352	269,590	484,304	729,013	2,531,823
1930	3,781,172	829,098	178,533	362,650	512,802	1,898,089
1931	2,377,982	566,791	127,072	246,814	317,647	1,119,657

[1] Period July 1, 1915, to Dec. 31, 1920.

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AND GENERAL IMPORTS, BY ECONOMIC CLASSES

ended Sept. 30, 1821 to 1840, and June 30, 1850 to 1915; calendar thereafter, except as noted. For articles influence of the war on the character of our trade, averages for the fiscal years 1910–1914 and 1915–1919 are

Imports						Yearly average or year
Total	Crude materials	Crude foodstuffs	Manufactured foodstuffs	Semimanufactures	Finished manufactures	
54, 521	2, 540	6, 081	10, 821	4, 079	30, 999	1821.
62, 721	4, 797	7, 382	9, 654	5, 152	35, 735	1830.
98, 259	12, 140	15, 274	15, 189	11, 356	44, 300	1840.
173, 510	12, 556	18, 012	21, 466	26, 163	95, 313	1850.
284, 475	27, 394	33, 286	43, 904	35, 559	144, 332	1851–1860.
255, 439	36, 064	36, 504	44, 613	34, 744	103, 514	1861–1865.
408, 294	47, 814	54, 018	81, 381	56, 632	168, 449	1866–1870.
577, 873	93, 182	81, 602	115, 960	78, 360	208, 769	1871–1875.
492, 570	91, 353	89, 461	105, 865	61, 318	144, 573	1876–1880.
667, 142	133, 268	99, 376	127, 732	91, 625	215, 141	1881–1885.
717, 231	162, 436	113, 130	118, 224	113, 045	210, 396	1886–1890.
785, 137	185, 222	146, 510	140, 726	112, 833	199, 846	1891–1895.
741, 519	218, 517	111, 843	118, 124	99, 005	194, 030	1896–1900.
972, 162	324, 508	125, 644	120, 218	161, 809	239, 983	1901–1905.
1, 344, 838	464, 809	147, 706	158, 658	239, 577	334, 088	1906–1910.
1, 712, 319	597, 701	219, 035	215, 144	297, 476	382, 963	1911–1915.
3, 358, 354	1, 347, 667	408, 152	544, 549	574, 421	483, 566	1915–1920.[1]
3, 450, 103	1, 290, 375	382, 539	448, 089	609, 225	719, 875	1921–1925.
4, 033, 468	1, 484, 123	506, 616	398, 310	762, 034	882, 385	1926–1930.
1, 688, 874	594, 957	203, 205	194, 312	307, 068	389, 332	1910–1914.
2, 514, 557	1, 039, 366	312, 059	355, 305	443, 647	364, 180	1915–1919.[2]
723, 957	163, 998	116, 087	111, 048	121, 605	211, 219	1888.
745, 132	172, 184	123, 131	122, 254	115, 080	212, 483	1889.
789, 310	179, 889	128, 480	133, 332	116, 924	230, 686	1890.
844, 916	192, 531	150, 639	147, 722	136, 446	217, 578	1891.
827, 402	194, 776	175, 559	139, 795	112, 729	204, 544	1892.
866, 401	216, 624	131, 664	153, 739	135, 609	228, 765	1893.
654, 995	134, 643	133, 310	155, 349	82, 895	148, 798	1894.
731, 970	187, 537	141, 377	107, 026	96, 487	199, 543	1895.
779, 725	203, 205	130, 002	118, 806	101, 071	226, 640	1896.
764, 730	200, 771	128, 380	129, 245	88, 490	217, 844	1897.
616, 050	193, 660	103, 985	86, 091	79, 289	153, 025	1898.
697, 148	213, 297	98, 933	123, 448	91, 954	169, 516	1899.
849, 941	281, 649	97, 916	133, 028	134, 222	203, 126	1900.
823, 172	254, 164	110, 385	125, 541	127, 577	205, 505	1901.
903, 321	308, 613	120, 280	95, 350	147, 656	231, 421	1902.
1, 025, 719	336, 388	119, 208	116, 620	195, 751	257, 757	1903.
991, 087	327, 549	132, 224	118, 223	160, 234	252, 858	1904.
1, 117, 513	395, 826	146, 131	145, 356	177, 828	252, 372	1905.
1, 226, 562	423, 789	134, 315	140, 358	220, 299	307, 801	1906.
1, 434, 421	487, 728	149, 748	158, 656	274, 096	364, 193	1907.
1, 194, 342	373, 889	145, 578	147, 009	196, 248	331, 618	1908.
1, 311, 920	460, 901	164, 111	165, 701	222, 102	299, 106	1909.
1, 556, 947	577, 743	144, 777	181, 566	285, 138	367, 723	1910.
1, 527, 226	524, 817	181, 195	172, 006	287, 786	361, 422	1911.
1, 653, 265	573, 048	230, 358	196, 101	293, 739	360, 019	1912.
1, 813, 008	649, 438	211, 747	194, 243	349, 402	408, 179	1913.
1, 893, 926	649, 740	247, 948	227, 644	319, 276	449, 318	1914.
1, 674, 170	591, 462	223, 930	285, 725	237, 176	335, 877	1915.
912, 787	378, 446	130, 398	113, 441	143, 752	146, 750	1915 (6 mos.).
2, 391, 635	1, 029, 358	260, 132	338, 707	417, 860	345, 578	1916.
2, 952, 468	1, 286, 079	385, 725	351, 553	536, 663	392, 448	1917.
3, 031, 213	1, 233, 697	345, 653	397, 370	649, 585	404, 908	1918.
3, 904, 365	1, 701, 057	545, 301	555, 808	608, 996	493, 203	1919.
5, 278, 481	1, 783, 534	577, 627	1, 238, 139	802, 456	876, 725	1920.
2, 509, 148	858, 858	300, 181	368, 311	361, 747	620, 051	1921.
3, 112, 747	1, 179, 894	329, 809	387, 419	552, 677	662, 947	1922.
3, 792, 066	1, 406, 797	363, 032	530, 208	720, 729	771, 300	1923.
3, 609, 963	1, 258, 256	424, 873	521, 600	655, 888	749, 346	1924.
4, 226, 589	1, 748, 065	494, 800	432, 906	755, 085	795, 733	1925.
4, 430, 888	1, 792, 292	539, 818	417, 817	804, 333	876, 628	1926.
4, 184, 742	1, 600, 809	504, 686	450, 849	749, 801	878, 597	1927.
4, 091, 444	1, 466, 734	549, 892	405, 814	762, 831	906, 173	1928.
4, 399, 361	1, 558, 620	538, 560	423, 622	885, 051	993, 508	1929.
3, 060, 908	1, 002, 161	400, 125	293, 448	608, 153	757, 021	1930.
2, 090, 635	642, 173	304, 828	222, 316	372, 043	549, 275	1931

[2] Fiscal years.

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No. 485.—GENERAL IMPORTS, FREE AND DUTIABLE,

NOTE.—**All figures in thousands of dollars.** Merchandise only, specie values. Figures cover fiscal
percentage free in general imports is normally slightly lower than in imports for consumption because
imports. Moreover, since 1922, there is an understatement of the free goods in general imports,

Year or yearly average	Total			Crude materials			Crude foodstuffs and food animals		
	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free
1821	2,018	52,504	3.7	1,475	1,066	58.1	----------	6,082	----------
1830	4,590	58,131	7.3	3,348	1,450	69.8	----------	7,382	----------
1840	48,314	49,946	49.2	9,780	2,360	80.6	15,214	60	99.6
1850	18,082	155,428	10.4	602	11,954	4.8	15,803	2,208	87.7
1851–1860	44,730	239,745	15.7	6,455	20,938	23.6	30,165	3,121	90.6
1861–1865	48,948	206,491	19.2	10,759	25,305	29.8	17,365	19,140	47.6
1866–1870	27,828	380,467	6.8	9,910	37,904	20.7	4,443	49,575	8.2
1871–1875	105,286	472,587	18.2	48,082	45,100	51.6	45,026	36,576	55.2
1876–1880	154,683	337,887	31.4	60,902	30,450	66.7	74,806	14,654	83.6
1881–1885	204,735	462,407	30.7	91,384	41,884	68.6	76,513	22,864	77.0
1886–1890	242,521	474,710	33.8	104,961	57,475	64.6	90,035	23,095	79.6
1891–1895	402,363	382,774	51.2	143,613	41,610	77.5	124,808	21,702	85.2
1896–1900	342,125	399,394	46.1	177,649	40,868	81.3	88,359	23,484	79.0
1901–1905	426,836	545,326	43.9	243,319	81,189	75.0	98,921	26,723	78.7
1906–1910	614,825	730,013	45.7	348,061	116,749	74.9	120,233	27,473	81.4
1911–1915	961,439	750,880	56.1	491,948	105,753	82.3	181,170	37,865	82.7
1915–1920 [1]	2,258,608	1,099,747	67.3	1,195,593	152,074	88.7	349,926	58,226	85.7
1921–1925	2,060,303	1,389,800	59.7	1,036,581	253,794	80.3	302,242	80,297	79.0
1926–1930	2,597,197	1,436,271	64.4	1,228,971	255,152	82.8	407,540	99,075	80.4
1910–1914	905,796	783,078	53.6	477,331	117,626	80.2	164,554	38,651	81.0
1915–1919 [2]	1,744,767	769,789	69.4	925,417	113,949	53.0	263,025	49,033	84.3
1888	244,072	479,885	33.7	107,043	56,955	65.3	87,121	28,966	75.0
1889	256,487	488,645	34.4	107,210	64,974	62.3	100,507	22,624	81.6
1890	265,668	523,642	33.7	112,495	67,394	62.5	106,515	21,965	82.9
1891	366,241	478,675	43.3	139,855	52,676	72.6	126,337	24,302	83.9
1892	457,999	369,403	55.4	149,159	45,616	76.6	155,831	19,728	88.8
1893	444,544	421,857	51.3	165,928	50,697	76.6	106,769	24,895	81.1
1894	379,796	275,199	58.0	106,654	27,989	79.2	114,255	19,054	85.7
1895	363,234	368,736	49.6	156,464	31,073	83.4	120,847	20,530	85.5
1896	369,758	409,967	47.4	176,657	26,549	86.9	108,891	21,111	83.8
1897	381,938	382,792	49.9	182,775	17,996	91.0	108,089	20,291	84.2
1898	291,414	324,636	47.3	147,341	46,319	76.1	86,145	17,840	82.8
1899	300,280	396,868	43.1	168,653	44,643	79.1	69,948	28,985	70.7
1900	367,237	482,704	43.2	212,820	68,829	75.6	68,722	29,194	70.2
1901	339,609	483,563	41.3	191,155	63,009	75.2	80,961	29,424	73.3
1902	396,819	506,502	43.9	233,242	75,371	75.6	90,287	29,993	75.1
1903	426,181	599,538	41.6	249,276	87,112	74.1	86,622	32,581	72.7
1904	454,130	536,957	45.8	249,998	77,552	76.3	110,481	21,742	83.6
1905	517,442	600,071	46.3	292,921	102,905	71.5	126,254	19,877	86.4
1906	549,624	676,938	44.8	312,290	111,499	73.7	114,305	20,010	85.1
1907	644,030	790,391	44.9	366,164	121,564	75.1	125,047	24,701	83.5
1908	525,603	668,739	44.0	282,943	90,946	75.7	116,510	29,068	80.0
1909	599,557	712,363	45.7	334,957	125,944	72.7	131,621	32,490	80.2
1910	755,311	801,636	48.5	443,951	133,792	76.8	113,681	31,095	78.5
1911	776,972	750,254	50.9	409,671	115,145	78.1	147,262	33,932	81.8
1912	881,671	771,594	53.3	453,931	119,117	79.2	180,127	50,231	78.2
1913	987,524	825,484	54.5	519,103	130,334	79.9	179,829	31,917	84.9
1914	1,127,503	766,423	59.5	560,000	89,740	86.2	201,868	46,080	81.4
1915	1,033,527	640,643	61.7	517,034	74,428	87.4	196,763	27,167	87.9
1915 (6 mos.)	628,837	283,950	68.9	332,105	46,340	87.8	113,550	16,849	87.1
1916	1,611,887	779,748	67.4	922,045	107,312	89.6	216,570	43,562	83.3
1917	2,135,552	816,916	72.3	1,169,041	117,038	90.9	316,965	68,759	82.2
1918	2,230,353	800,860	73.6	1,092,837	140,860	88.6	283,535	62,118	82.0
1919	2,698,703	1,205,662	69.1	1,508,164	192,894	88.7	480,856	64,444	88.2
1920	3,117,010	2,161,471	59.1	1,551,570	231,964	87.0	513,117	64,510	88.8
1921	1,562,292	946,856	62.3	750,640	108,219	87.4	253,703	46,477	84.5
1922 [3]	1,871,917	1,240,830	60.1	963,150	216,744	81.6	249,600	80,209	75.7
1923 [3]	2,135,942	1,656,124	56.3	1,091,393	315,404	77.6	279,222	83,810	76.9
1924 [3]	2,080,096	1,529,867	57.6	977,635	280,621	77.7	335,741	89,132	79.0
1925 [3]	2,651,266	1,575,323	62.7	1,400,083	347,982	80.1	392,942	101,858	79.4
1926 [3]	2,853,411	1,577,477	64.4	1,483,772	308,520	82.8	438,594	101,224	81.2
1927 [3]	2,621,873	1,562,869	62.7	1,315,237	285,572	82.2	392,971	111,715	77.9
1928 [3]	2,616,239	1,475,205	63.9	1,222,411	244,323	83.3	431,587	118,305	78.5
1929 [3]	2,843,354	1,556,007	64.6	1,289,317	269,303	83.0	443,372	95,188	82.4
1930 [3]	2,051,110	1,009,798	67.0	834,120	168,041	83.2	331,179	68,946	82.8
1931 [3]	1,381,435	709,199	66.1	524,541	117,632	81.7	269,124	35,704	88.3

[1] Period July 1, 1915, to Dec. 31, 1920.

[2] Fiscal years.

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AND PER CENT FREE, BY ECONOMIC CLASSES

years ended Sept. 30, 1921 to 1840, and June 30, 1850 to 1915, calendar thereafter, except as noted. The relatively more of the dutiable general imports are reported as reexported than of the free general resulting from the facts set forth in Table 486

Manufactured foodstuffs			Semimanufactures			Finished manufactures			Year or yearly average
Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	Free	Dutiable	Per cent free	
---	10, 821	---	488	3, 591	12. 0	55	30, 944	0. 2	1821.
---	9, 654	---	1, 211	3, 942	23. 5	31	35, 703	.1	1830.
1, 021	14, 168	6. 7	4, 962	6, 394	43. 7	17, 337	26, 963	39. 1	1840.
---	21, 466	---	764	25, 399	2. 9	911	94, 401	1. 0	1850.
2, 426	41, 477	5. 5	3, 419	32, 140	9. 6	2, 265	142, 067	1. 6	1851–1860.
4, 671	39, 942	10. 5	7, 980	26, 764	23. 0	8, 173	95, 341	7. 9	1861–1865.
1, 847	79, 534	2. 3	6, 722	49, 910	11. 9	4, 906	163, 543	2. 9	1866–1870.
371	115, 589	.3	6, 255	72, 105	8. 0	5, 552	203, 216	2. 7	1871–1875.
3, 244	102, 621	3. 1	9, 114	52, 204	14. 9	6, 616	137, 957	4. 6	1876–1880.
9, 240	118, 493	7. 2	15, 209	76, 416	16. 6	12, 389	202, 751	5. 8	1881–1885.
13, 664	104, 560	11. 6	19, 175	93, 870	17. 0	14, 686	195, 709	7. 0	1886–1890.
92, 078	48, 649	65. 4	25, 614	87, 219	22. 7	16, 251	183, 594	8. 1	1891–1895.
18, 950	99, 173	16. 0	34, 565	64, 440	34. 9	22, 602	171, 429	11. 6	1896–1900.
3, 189	117, 029	2. 7	59, 943	101, 866	37. 0	21, 465	218, 518	8. 9	1901–1905.
5, 498	153, 160	3. 5	102, 198	137, 379	42. 7	38, 835	295, 253	11. 6	1906–1910.
25, 626	189, 517	11. 9	167, 863	129, 612	56. 4	94, 832	288, 131	24. 8	1911–1915.
73, 142	471, 407	13. 4	424, 243	150, 177	73. 9	215, 704	267, 862	44. 6	1915–1920. [1]
56, 620	391, 469	12. 6	411, 802	197, 423	67. 6	253, 058	466, 817	35. 2	1921–1925.
73, 706	324, 603	18. 5	543, 245	218, 789	71. 3	343, 735	538, 650	39. 0	1926–1930.
17, 290	177, 022	8. 9	160, 166	146, 902	52. 2	76, 455	302, 877	22. 2	1910–1914.
59, 384	296, 122	16. 7	340, 677	102, 970	76. 8	156, 464	207, 715	43. 0	1915–1919. [2]
15, 222	95, 826	13. 7	20, 657	100, 947	17. 0	14, 028	197, 191	6. 6	1888.
16, 062	106, 192	13. 1	19, 655	95, 425	17. 1	13, 052	199, 430	6. 1	1889.
15, 375	117, 957	11. 5	19, 275	97, 650	16. 5	12, 009	218, 677	5. 2	1890.
62, 119	85, 603	42. 1	23, 435	113, 011	17. 2	14, 495	203, 082	6. 7	1891.
111, 614	28, 180	79. 8	26, 437	86, 293	23. 5	14, 959	189, 585	7. 3	1892.
121, 858	31, 881	79. 3	33, 114	102, 495	24. 4	16, 876	211, 889	7. 4	1893.
130, 454	24, 895	84. 0	15, 129	67, 765	18. 3	13, 302	135, 496	8. 9	1894.
34, 343	72, 683	32. 1	29, 955	66, 531	31. 0	21, 625	177, 919	10. 8	1895.
15, 903	102, 902	13. 4	37, 718	63, 353	37. 3	30, 588	196, 051	13. 5	1896.
17, 082	112, 163	13. 2	39, 566	48, 925	44. 7	34, 427	183, 417	15. 8	1897.
18, 874	67, 217	21. 9	23, 739	55, 550	29. 9	15, 316	137, 709	10. 0	1898.
19, 783	103, 665	16. 0	26, 226	65, 728	28. 5	15, 670	153, 847	9. 2	1899.
23, 110	109, 918	17. 4	45, 578	88, 644	34. 0	17, 007	186, 119	8. 4	1900.
2, 817	122, 724	2. 2	44, 700	82, 877	35. 0	19, 976	185, 530	9. 7	1901.
3, 068	92, 283	3. 2	51, 138	96, 519	34. 6	19, 084	212, 336	8. 2	1902.
3, 417	113, 203	2. 9	67, 258	128, 493	34. 4	19, 609	238, 149	7. 6	1903.
3, 328	114, 895	2. 8	65, 558	94, 676	40. 9	24, 765	228, 092	9. 8	1904.
3, 317	142, 039	2. 3	71, 061	106, 767	40. 0	23, 890	228, 482	9. 5	1905.
3, 349	137, 009	2. 4	91, 172	129, 126	41. 4	28, 508	279, 294	9. 3	1906.
4, 105	154, 551	2. 6	116, 722	157, 374	42. 6	31, 992	332, 201	8. 8	1907.
5, 469	141, 540	3. 7	84, 721	111, 528	43. 2	35, 961	295, 657	10. 8	1908.
5, 177	160, 524	3. 1	95, 079	127, 023	42. 8	32, 723	266, 384	10. 9	1909.
9, 391	172, 176	5. 2	123, 295	161, 843	43. 2	64, 993	302, 730	17. 7	1910.
12, 339	159, 668	7. 2	142, 773	145, 013	49. 6	64, 928	296, 495	18. 0	1911.
16, 629	179, 471	8. 5	153, 258	140, 481	52. 2	77, 725	282, 294	21. 6	1912.
10, 889	183, 354	5. 6	180, 580	168, 822	51. 7	97, 122	311, 057	23. 8	1913.
37, 202	190, 443	16. 3	200, 925	118, 350	62. 9	127, 508	321, 810	28. 4	1914.
51, 073	234, 652	17. 9	161, 781	75, 396	68. 2	106, 876	229, 001	31. 8	1915.
20, 082	93, 359	17. 7	103, 717	40, 035	72. 2	59, 383	87, 367	40. 5	1915 (6 mos.)
37, 401	301, 306	11. 0	299, 265	118, 595	71. 6	136, 606	208, 972	39. 5	1916.
59, 255	292, 298	16. 9	422, 021	114, 642	78. 6	168, 270	224, 178	42. 9	1917.
91, 724	305, 646	23. 1	561, 448	88, 137	86. 4	200, 809	204, 099	49. 6	1918.
69, 504	486, 304	12. 5	399, 579	209, 418	65. 6	240, 601	252, 602	48. 8	1919.
124, 314	1, 113, 825	10. 0	547, 308	255, 149	68. 2	380, 702	496, 023	43. 4	1920.
53, 604	314, 707	14. 6	236, 458	125, 289	65. 4	267, 887	352, 164	43. 2	1921.
43, 115	344, 304	11. 1	370, 871	181, 806	67. 1	245, 181	417, 767	37. 0	1922. [3]
52, 164	478, 044	9. 8	471, 775	248, 954	65. 5	241, 388	529, 912	31. 3	1923. [3]
62, 044	459, 556	11. 9	462, 898	192, 989	70. 6	241, 778	507, 568	32. 3	1924. [3]
72, 171	360, 735	16. 7	517, 010	238, 075	68. 5	269, 060	526, 673	33. 8	1925. [3]
57, 192	360, 625	13. 7	568, 379	235, 954	70. 7	305, 481	571, 147	34. 8	1926. [3]
75, 698	375, 151	16. 8	527, 187	222, 614	70. 3	310, 780	567, 817	35. 4	1927. [3]
75, 115	330, 699	18. 5	541, 456	221, 375	71. 0	345. 671	560, 502	38. 1	1928. [3]
82, 375	341, 247	19. 4	630, 586	254, 465	71. 2	397, 704	595, 804	40. 0	1929. [3]
78, 153	215, 295	26. 6	448, 618	159, 536	73. 8	359, 041	397, 981	47. 4	1930. [3]
64, 109	158, 207	28. 8	267, 649	104, 394	71. 9	256, 012	293, 263	46. 6	1931. [3]

[1] See headnote and supplemental Table No. 486, p. 442.

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No. 486.—SUPPLEMENT TO TABLES 485 AND 495: FREE AND DUTIABLE GENERAL IMPORTS OF MERCHANDISE ADJUSTED FOR VALUES OF WHEAT AND WOOL CLASSIFIED AS DUTIABLE BUT ENTERED FREE UNDER SPECIAL PROVISIONS, 1924 TO 1931

NOTE.—**All figures in thousands of dollars.** Since 1922 there is an understatement of the value of free goods in the figures for general imports resulting from the following facts: (1) Wheat imported (practically all coming from Canada) for 1922 to 1928 was all reported as dutiable when first entered, but most of it was subsequently used for milling-in-bond for export and in that case no duty is collected; (2) carpet wool for 1922 to 1931 was nearly all reported as dutiable when first entered but most of it is subsequently used for making carpets in which case no duty is collected. These shifts affect the general total and the totals for the economic classes of crude materials, and crude foodstuffs in Table 485. The following table shows for these classes approximately the proportions free and dutiable since 1923 after adjusting for these shifts. It also shows approximate adjusted figures of free and dutiable imports from Canada. The shift of carpet wool from dutiable to free likewise affects somewhat the proportions free and dutiable in imports from countries supplying carpet wool (principally United Kingdom, China, Argentina, Chile, and India), but no adjustments have been made for such countries or for continent totals. See Table 526 of the 1930 Statistical Abstract for adjustments for 1922 and 1923

	1924	1925	1926	1927	1928	1929	1930	1931
WHEAT								
Imports entered for consumption:								
Total	16,224	16,703	22,129	14,679	23,189	(1)	(1)	(1)
Free for manufacture and export	9,647	15,001	21,489	14,651	22,908	(1)	(1)	(1)
Per cent free	59.5	89.8	97.1	99.8	98.8	(1)	(1)	(1)
General imports dutiable	15,590	19,343	[2] 19,692	15,344	22,040	(1)	(1)	(1)
Estimated general imports classified as dutiable but entered free under special provision	9,276	17,370	[3] 18,982	15,313	21,776	(1)	(1)	(1)
CARPET WOOL								
Imports entered for consumption:								
Total	33,092	42,416	33,075	35,550	39,556	46,148	11,706	16,533
Free for manufacture into carpets	29,543	38,439	29,978	32,809	35,674	41,459	9,183	15,636
Per cent free	89.3	90.6	90.6	92.3	90.2	89.8	78.4	94.6
General imports free and dutiable:								
Total	34,174	47,232	30,102	37,470	37,947	46,988	18,994	14,354
Estimated general imports entered free	30,517	42,792	27,272	34,585	34,288	42,195	14,891	13,579
Carpet wool entered free	3,619	5,345	5,214	3,712	4,993	6,877	2,113	2,295
Estimated general imports classified as dutiable but entered free under special provision	26,898	37,447	22,058	30,873	29,295	35,318	12,778	11,284

	1924		1925		1926		1927	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	3,609,963	3,609,963	4,226,589	4,226,589	4,430,888	4,430,888	4,184,742	4,184,742
Free	2,080,096	2,116,270	2,651,266	2,706,083	2,853,411	2,894,451	2,621,873	2,668,059
Dutiable	1,529,867	1,493,693	1,575,322	1,520,506	1,577,477	1,536,437	1,562,869	1,516,683
Per cent free	57.6	58.6	62.7	64.0	64.4	65.3	62.7	63.8
Crude foodstuffs	424,873	424,873	494,800	494,800	539,818	539,818	504,686	504,686
Free	335,741	345,017	392,942	410,312	438,594	457,576	392,971	408,284
Dutiable	89,132	79,856	101,858	84,488	101,224	82,242	111,715	96,402
Per cent free	79.0	81.2	79.4	82.9	81.2	84.8	77.9	80.9
Crude materials	1,258,256	1,258,256	1,748,065	1,748,065	1,792,292	1,792,292	1,600,809	1,600,809
Free	977,635	1,004,533	1,400,083	1,437,530	1,483,772	1,505,830	1,315,237	1,346,110
Dutiable	280,621	253,723	347,982	310,535	308,520	286,462	285,572	254,699
Per cent free	77.7	79.8	80.1	82.2	82.8	84.0	82.2	84.1
From Canada	399,148	399,148	454,236	454,236	475,881	475,881	475,028	475,028
Free	300,330	309,606	331,763	349,133	352,245	371,227	344,193	359,506
Dutiable	98,818	89,542	122,473	105,103	123,636	104,654	130,835	115,522

	1928		1929		1930		1931	
	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted	Reported	Adjusted
All commodities	4,091,444	4,091,444	4,399,361	4,399,361	3,060,908	3,060,908	2,090,635	2,090,635
Free	2,616,239	2,667,310	2,843,354	2,878,672	2,051,110	2,063,888	1,381,435	1,392,719
Dutiable	1,475,205	1,424,134	1,556,007	1,520,689	1,009,798	997,020	709,199	697,915
Per cent free	63.9	65.2	64.6	65.4	67.0	67.4	66.1	66.6
Crude foodstuffs	549,892	549,892	(1)	(1)	(1)	(1)	(1)	(1)
Free	431,587	453,363	(1)	(1)	(1)	(1)	(1)	(1)
Dutiable	118,305	96,529	(1)	(1)	(1)	(1)	(1)	(1)
Per cent free	78.5	82.4	(1)	(1)	(1)	(1)	(1)	(1)
Crude materials	1,466,734	1,466,734	1,558,620	1,558,620	1,002,161	1,002,161	642,173	642,173
Free	1,222,411	1,251,706	1,289,317	1,324,635	834,120	846,898	524,541	535,825
Dutiable	244,323	215,028	269,303	233,985	168,041	155,263	117,632	106,348
Per cent free	83.3	85.3	83.0	85.0	83.2	84.5	81.7	83.4
From Canada	489,303	489,303	(1)	(1)	(1)	(1)	(1)	(1)
Free	355,484	377,260	(1)	(1)	(1)	(1)	(1)	(1)
Dutiable	133,819	112,043	(1)	(1)	(1)	(1)	(1)	(1)

[1] All grain for milling-in-bond reported free when entered; therefore no adjustment is necessary.
[2] Includes wheat valued at $139,000 entered free.
[3] Wheat valued at $139,000 entered free.

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No. 487.—PERCENTAGE DISTRIBUTION OF EXPORTS AND GENERAL IMPORTS, BY CONTINENTS

NOTE.—Percentages are based on figures shown in Table 488. See headnote to that table

Yearly average or year	Per cent of total exports							Per cent of total imports						
	North America		South America	Europe[1]	Asia	Oceania	Africa	North America		South America	Europe	Asia	Oceania	Africa
	Northern[1]	Southern						Northern	Southern					
1821	4.4	22.0	4.1	65.3	3.6	0.1	0.6	0.7	21.7	2.9	64.2	9.8	0.1	0.7
1830	3.9	20.5	6.4	66.1	2.7	(2)	.3	.6	17.2	7.8	64.0	10.0	(2)	.4
1840	4.9	13.9	4.6	74.4	1.3	.3	.6	1.2	15.7	8.8	62.8	10.9	.2	.5
1850	6.6	9.9	5.4	75.2	2.1	.1	.7	3.0	9.3	9.2	71.0	7.2	(2)	.4
1860	6.9	8.8	4.7	74.8	2.4	1.5	1.0	6.7	12.5	9.9	61.3	8.3	.3	1.0
1865	10.0	20.5	7.2	57.7	1.4	2.4	.8	14.7	19.5	9.7	48.2	6.1	.5	1.4
1870	5.5	7.9	3.9	79.8	1.5	1.0	.5	8.3	17.1	9.9	55.1	8.7	.4	.6
1871–1875	6.4	7.2	4.0	80.2	1.0	.8	.4	5.9	16.6	11.0	55.6	9.7	.7	.6
1876–1880	5.0	5.4	3.3	83.1	1.7	1.1	.6	5.6	17.6	13.8	50.3	11.3	.9	.5
1881–1885	5.4	5.7	3.6	81.1	2.2	1.6	.5	6.3	14.4	11.4	55.1	10.5	1.7	.6
1886–1890	5.2	5.8	4.3	79.3	2.8	2.0	.5	5.6	13.8	11.5	56.0	10.4	2.3	.5
1891–1895	5.5	6.8	3.7	79.5	2.3	1.6	.6	4.6	16.3	14.9	50.6	10.8	2.1	.6
1896–1900	6.9	5.6	3.1	76.7	3.9	2.3	1.5	5.0	10.3	13.2	52.6	14.6	3.1	1.3
1901–1905	8.6	6.7	3.2	72.3	5.3	2.0	1.9	5.4	13.3	12.5	51.3	15.4	.9	1.1
1906–1910	10.2	8.7	4.6	68.2	5.5	1.8	1.0	5.9	13.4	11.7	51.3	15.2	1.2	1.2
1911–1915	14.2	7.7	5.2	64.0	5.6	2.2	1.1	7.7	14.5	12.8	46.6	15.8	1.1	1.4
1915–1920[3]	12.0	7.7	5.5	63.2	8.6	1.7	1.3	12.7	17.5	17.6	20.3	27.1	2.1	2.7
1921–1925	14.3	10.1	6.8	52.7	11.3	3.2	1.6	11.5	14.9	12.2	30.4	27.3	1.6	2.1
1926–1930	17.4	8.4	9.4	46.8	12.0	3.7	2.3	11.9	11.4	13.5	30.0	29.6	1.3	2.3
1910–1914	14.8	8.4	5.6	62.3	5.6	2.2	1.1	7.0	13.5	12.2	49.5	15.3	1.0	1.3
1915–1919[4]	12.0	6.4	4.7	66.6	7.6	1.6	1.0	12.8	17.5	18.5	20.9	25.6	2.3	2.4
1888	5.4	6.1	4.3	78.9	2.8	2.1	.4	6.0	13.4	11.7	56.2	10.1	2.2	.5
1889	5.7	6.3	4.7	78.0	2.6	2.2	.5	5.8	14.5	12.4	54.1	10.2	2.6	.5
1890	4.9	6.1	4.5	79.7	2.4	1.9	.5	5.0	13.8	11.4	57.1	10.2	2.1	.4
1891	4.5	6.4	3.8	79.7	2.9	2.1	.5	4.7	14.6	14.1	54.5	9.3	2.4	.5
1892	4.4	5.9	3.2	82.6	2.0	1.5	.5	4.3	16.8	18.2	47.3	10.7	2.0	.6
1893	5.8	8.4	3.9	78.1	2.0	1.3	.6	4.4	16.8	11.8	52.9	11.5	1.9	.7
1894	6.6	6.9	3.7	78.6	2.4	1.3	.6	4.8	20.7	15.3	45.1	11.4	2.2	.5
1895	6.7	6.7	4.2	77.8	2.2	1.6	.8	5.1	13.2	15.3	52.4	11.5	1.7	.8
1896	6.9	6.3	4.1	76.3	2.9	1.9	1.6	5.3	11.0	14.0	53.7	12.1	2.5	1.4
1897	6.3	5.6	3.2	77.4	3.7	2.1	1.6	6.3	8.5	14.0	56.3	12.0	2.6	1.2
1898	6.9	4.4	2.7	79.1	3.6	1.8	1.4	5.3	9.6	14.9	49.7	15.7	3.7	1.2
1899	7.3	5.6	2.9	76.3	4.0	2.4	1.5	4.5	11.5	12.4	50.8	16.0	3.2	1.5
1900	7.0	6.5	2.8	74.6	4.8	2.9	1.4	4.7	10.6	11.0	51.8	17.2	3.4	1.3
1901	7.3	6.0	3.0	76.4	3.6	2.1	1.7	5.2	12.4	13.4	52.2	14.8	.8	1.1
1902	8.1	6.7	2.8	78.0	5.0	2.1	2.4	5.4	11.3	13.3	52.6	15.1	.8	1.5
1903	8.9	6.3	2.9	72.5	4.4	2.4	2.7	5.4	13.1	10.5	53.4	15.5	.9	1.2
1904	9.2	6.9	3.5	72.4	4.4	1.9	1.7	5.3	14.7	12.1	50.3	15.7	.8	1.0
1905	9.4	7.7	3.7	67.2	8.9	1.8	1.2	5.7	14.6	13.5	48.4	15.6	1.1	1.0
1906	9.2	8.5	4.3	68.8	6.4	1.7	1.1	5.7	13.5	11.4	51.6	15.7	1.0	1.0
1907	9.9	8.7	4.4	69.0	5.4	1.7	.9	5.2	13.2	11.2	52.1	15.6	1.3	1.5
1908	9.2	8.3	4.5	69.0	6.1	1.9	1.1	6.4	13.6	10.5	50.9	16.0	1.2	1.4
1909	10.1	8.5	4.6	69.0	5.0	1.8	1.0	6.1	13.2	12.5	49.9	15.8	1.3	1.2
1910	12.6	9.5	5.3	65.1	4.5	2.0	1.1	6.2	13.5	12.6	51.8	13.5	1.3	1.1
1911	13.4	8.9	5.3	63.8	5.1	2.3	1.2	6.7	13.3	12.0	50.3	15.1	.8	1.8
1912	15.1	8.3	6.0	60.9	6.4	2.2	1.1	6.7	13.5	13.0	49.6	15.0	.8	1.4
1913	17.0	8.0	5.9	60.0	5.7	2.2	1.2	6.7	13.2	12.0	49.2	16.4	.9	1.5
1914	14.8	7.5	5.3	62.9	6.0	2.4	1.2	8.6	14.0	11.8	47.3	16.1	1.3	1.0
1915	11.1	6.2	3.6	71.2	5.0	1.9	1.0	9.6	18.6	15.6	36.7	16.2	1.7	1.5
1915 (6 mos.)	11.0	6.5	4.5	69.7	5.1	2.1	1.1	11.8	15.4	18.2	29.8	21.0	2.0	1.8
1916	11.2	5.7	4.0	69.6	7.1	1.5	1.0	10.0	17.5	17.9	26.5	23.0	2.5	2.6
1917	13.5	6.8	5.0	65.2	7.5	1.2	.8	14.2	15.3	20.3	18.7	27.8	1.2	2.5
1918	14.6	6.9	4.9	62.8	8.1	1.8	1.0	15.1	17.1	20.2	10.5	31.0	3.4	2.8
1919	9.5	6.9	5.6	65.5	9.7	1.6	1.2	12.8	16.8	17.6	19.2	28.4	2.3	2.9
1920	12.0	11.5	7.5	54.3	10.6	2.1	2.0	11.6	19.9	14.4	23.3	26.5	1.5	2.8
1921	13.4	11.8	6.1	52.7	11.9	2.5	1.6	13.5	16.6	11.8	30.5	24.6	1.4	1.6
1922	15.2	8.7	5.9	54.4	11.7	2.7	1.5	11.8	14.6	11.5	31.8	26.6	1.6	2.1
1923	15.8	10.2	6.5	50.2	12.3	3.5	1.5	11.0	15.4	12.3	30.5	26.9	1.6	2.3
1924	13.8	9.9	6.8	53.3	11.2	3.4	1.5	11.1	16.4	12.9	30.4	25.8	1.4	2.0
1925	13.4	9.8	8.2	53.0	9.9	3.9	1.8	10.9	12.3	12.3	29.3	31.2	1.8	2.2
1926	15.5	8.9	9.2	48.0	11.7	4.4	2.1	11.0	11.9	12.8	29.0	31.6	1.5	2.2
1927	17.3	8.4	9.0	47.6	11.5	4.0	2.2	11.6	12.0	12.4	30.5	30.0	1.3	2.2
1928	18.1	7.7	9.4	46.3	12.8	3.5	2.3	12.2	11.3	13.9	30.5	28.6	1.3	2.2
1929	18.3	8.3	10.3	44.7	12.3	3.6	2.5	11.7	10.6	14.5	30.3	29.1	1.3	2.5
1930	17.5	9.1	8.8	47.8	11.7	2.8	2.4	13.5	11.3	14.2	29.7	28.0	1.1	2.2
1931	16.7	7.7	6.6	48.9	15.9	1.7	2.5	13.3	11.5	14.7	30.6	27.4	.9	1.6

[1] See headnotes to Table 488 and Table 489.
[2] Less than one-tenth of 1 per cent.
[3] Period July 1, 1915, to Dec. 31, 1920.
[4] Fiscal years.

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No. 488.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL

NOTE.—**All figures in thousands of dollars.** Merchandise only, specie values. Figures cover fiscal years averages for 1910–1914 and 1915–1919. The Philippine Islands are included with Asia for all years; adjusted for recent years for grain shipments to Canada which are actually in transit to Europe are

Yearly average or year	Exports							
	Total	North America		South America	Europe [1]	Asia	Oceania	Africa
		Northern [1]	Southern					
1821	54, 496	2, 392	11, 965	2, 208	35, 575	1, 977	71	309
1830	71, 671	2, 802	14, 723	4, 586	47, 393	1, 906	27	234
1840	123, 669	6, 090	17, 241	5, 714	92, 039	1, 560	330	696
1850	144, 376	9, 519	14, 284	7, 730	108, 638	3, 028	190	987
1860	333, 576	22, 883	29, 273	15, 706	249, 425	8, 100	4, 962	3, 227
1865	166, 029	16, 618	34, 003	12, 026	95, 744	2, 350	4, 016	1, 273
1870	392, 772	21, 703	31, 100	15, 188	313, 315	5, 773	3, 873	1, 820
1871–1875	501, 841	32, 034	36, 188	20, 235	402, 268	5, 029	3, 969	2, 117
1876–1880	676, 761	33, 714	36, 303	22, 087	562, 202	11, 236	7, 437	3, 782
1881–1885	791, 892	42, 636	44, 836	28, 212	641, 824	17, 526	12, 785	4, 074
1886–1890	738, 379	38, 758	43, 053	32, 046	585, 681	20, 389	15, 070	3, 382
1891–1895	892, 421	49, 310	60, 724	33, 247	709, 239	20, 672	13, 965	5, 263
1896–1900	1, 157, 318	79, 961	65, 375	35, 699	887, 401	45, 263	26, 338	17, 281
1901–1905	1, 453, 803	124, 560	97, 733	46, 246	1, 050, 540	76, 942	29, 738	28, 044
1906–1910	1, 778, 697	180, 836	154. 743	82, 142	1, 212, 978	97, 240	32, 358	18, 400
1911–1915	2, 370, 539	337, 091	182, 315	122, 243	1, 517, 404	133, 348	51, 506	26, 632
1915–1920 [2]	6, 521, 190	780, 221	503, 439	360, 744	4, 123, 523	562, 476	109, 121	81, 668
1921–1925	4, 397, 026	627, 381	444, 578	297, 115	2, 317, 944	498, 853	141, 426	69, 729
1926–1930	4, 777, 314	829, 858	403, 175	447, 860	2, 236, 613	573, 973	177, 239	109, 596
1910–1914	2, 165, 818	319, 890	181, 205	121, 028	1, 350, 300	121, 042	47, 715	24, 638
1915–1919 [2]	5, 308, 823	638, 704	340, 971	250, 837	3, 534, 473	403, 716	87, 262	52, 860
1888	695, 955	37, 637	42, 359	29, 579	549, 093	19, 584	14, 580	3, 123
1889	742, 401	42, 528	47, 023	35, 021	578, 903	19, 371	16, 060	3, 497
1890	857, 829	41, 967	52, 133	38, 753	683, 736	20, 279	16, 346	4, 614
1891	884, 481	39, 844	56, 705	33, 708	704, 798	26, 170	18, 497	4, 758
1892	1, 030, 278	45, 260	60, 306	33, 148	850, 623	20, 368	15, 512	5, 061
1893	847, 665	48, 826	70, 963	32, 639	661, 977	17, 017	11, 046	5, 196
1894	892, 141	58, 470	61, 223	33, 212	700, 871	21, 668	11, 772	4, 924
1895	807, 538	54, 152	54, 424	33, 526	627, 928	18, 134	12, 997	6, 378
1896	882, 607	61, 231	55, 336	36, 298	673, 044	25, 792	17, 035	13, 871
1897	1, 050, 994	66, 196	58, 762	33, 769	813, 386	39, 370	22, 558	16, 953
1898	1, 231, 482	85, 095	54, 533	33, 822	973, 806	44, 836	21, 875	17, 516
1899	1, 227, 023	89, 765	68, 167	35, 660	936, 602	48, 764	29, 471	18, 594
1900	1, 394, 483	97, 517	90, 078	38, 946	1, 040, 168	67, 554	40, 751	19, 470
1901	1, 487, 765	107, 967	88, 567	44, 400	1, 136, 505	53, 418	31, 365	25, 543
1902	1, 381, 719	111, 877	92, 094	38, 044	1, 008, 034	69, 203	29, 000	33, 469
1903	1, 420, 142	125. 967	89, 515	41, 138	1, 029, 257	62, 398	33, 430	38, 437
1904	1, 460, 827	133, 960	100, 950	50, 755	1, 057, 930	64, 984	28, 018	24, 230
1905	1, 518, 562	143, 030	117, 540	56, 894	1, 020, 973	134, 705	26, 879	18, 541
1906	1, 743, 865	159, 806	148, 577	75, 160	1, 200, 166	110, 911	29, 682	19, 562
1907	1, 880, 851	186, 176	163, 664	82, 157	1, 298, 452	101, 365	32, 525	16, 511
1908	1, 860, 773	170, 669	154. 005	83, 584	1, 283, 600	113, 247	35, 327	20, 341
1909	1, 663, 011	167. 423	142, 054	76, 562	1, 146, 755	82, 982	30, 200	17, 035
1910	1, 744, 985	220, 104	165, 416	93, 247	1, 135, 915	77, 694	34, 057	18, 551
1911	2, 049, 320	274, 478	182, 582	108, 895	1, 308, 276	105, 146	46, 338	23, 607
1912	2, 204, 322	333, 900	182, 938	132, 310	1, 341, 733	141, 198	48, 200	24, 043
1913	2, 465, 884	420, 404	197, 009	146, 148	1, 479, 075	140, 441	53, 718	29, 089
1914	2, 364, 579	350, 563	178, 082	124, 540	1, 486, 499	140, 730	56, 264	27, 902
1915	2, 768, 589	306, 112	170, 964	99, 324	1, 971, 435	139, 226	53, 009	28, 520
1915 (6 mos.)	1, 852, 862	203, 475	119, 952	83, 555	1, 291, 914	94, 712	38, 254	21, 000
1916	5, 482, 641	613, 416	311, 137	220, 267	3, 813, 278	387, 735	82, 797	54, 011
1917	6, 233, 513	839, 305	422, 398	311, 893	4, 061, 729	469, 402	77, 402	51, 384
1918	6, 149, 088	900, 248	425, 238	302, 710	3, 858, 698	498, 477	104, 519	59, 198
1919	7, 920, 426	749, 950	545, 842	441, 748	5, 187, 666	771, 717	125, 585	97, 918
1920	8, 228, 016	984, 818	944, 345	623, 917	4, 466, 091	871, 579	171, 605	165, 662
1921	4, 485, 031	600, 434	529, 146	273, 325	2, 363, 399	532, 615	112, 766	72, 847
1922	3, 831, 777	583, 451	332, 203	226, 075	2, 083, 357	448, 970	101, 945	55, 776
1923	4, 167, 493	660, 507	425, 661	269, 318	2, 093, 415	511, 498	146, 423	60, 671
1924	4, 590, 984	633, 876	456, 165	314, 252	2, 445, 300	514, 592	156, 505	70, 294
1925	4, 909, 848	658, 640	479, 714	402. 606	2, 603, 750	486, 592	189, 489	89, 057
1926	4, 808, 660	747, 685	428, 797	443, 507	2, 310, 144	564, 543	212, 705	101, 279
1927	4, 865, 375	845, 307	407, 720	438, 159	2, 313, 782	559, 605	193, 714	107, 088
1928	5, 128, 357	924, 172	397, 195	480, 815	2, 374, 916	654, 514	180, 033	116, 713
1929	5, 240, 995	961, 473	433, 590	539, 310	2, 340, 848	643, 215	192, 022	130, 535
1930	3, 843, 181	670, 652	348, 574	337, 509	1, 838, 375	447, 987	107, 719	92, 365
1931	2, 424, 289	403, 732	187, 094	158, 691	1, 186, 885	386, 352	41, 574	59, 961

[1] See headnote and supplemental Table 489 on p. 446.

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IMPORTS OF MERCHANDISE DISTRIBUTED BY CONTINENTS

to and including 1915, calendar years thereafter, except as noted. See headnote, Table 484, concerning Hawaiian Islands are with Oceania prior to 1901. Exports to Northern North America and to Europe shown in Table 489, p. 446

General imports								Yearly average or year
Total	North America		South America	Europe	Asia	Oceania	Africa	
	Northern	Southern						
54,521	402	11,816	1,570	35,000	5,324	34	375	1821.
62,721	398	10,793	4,919	40,117	6,241	18	234	1830.
98,259	1,228	15,421	8,606	61,721	10,686	152	445	1840.
173,509	5,180	16,116	16,038	123,115	12,434	9	618	1850.
353,616	23,730	44,180	34,929	216,661	29,239	1,170	3,706	1860.
238,746	35,007	46,663	23,221	115,002	14,449	1,124	3,279	1865.
435,958	36,265	74,435	42,964	240,187	37,773	1,612	2,722	1870.
577,873	33,840	96,124	63,357	321,067	55,794	3,955	3,736	1871–1875.
492,570	27,600	86,646	68,185	247,520	55,635	4,619	2,365	1876–1880.
667,142	41,989	96,309	75,940	367,542	69,906	11,370	4,085	1881–1885.
717,231	40,236	98,819	82,427	401,745	74,439	16,158	3,406	1886–1890.
785,137	36,335	128,043	116,797	397,622	85,169	16,257	4,914	1891–1895.
741,519	37,266	76,007	97,713	389,843	107,999	22,781	9,910	1896–1900.
972,162	52,762	129,634	121,748	498,296	149,537	9,035	11,151	1901–1905.
1,344,838	79,511	180,192	157,126	689,838	205,041	16,601	16,529	1906–1910.
1,712,319	131,455	248,943	219,923	798,115	270,797	19,020	24,065	1911–1915.
3,358,354	425,337	588,103	591,295	682,298	910,340	70,134	90,848	1915–1920.[2]
3,450,103	396,669	514,233	421,336	1,049,494	942,878	53,994	71,499	1921–1925.
4,033,469	479,737	460,457	545,788	1,210,511	1,192,632	53,137	91,207	1926–1930.
1,688,874	118,518	228,618	206,858	836,498	258,534	17,276	22,573	1910–1914.
2,514,557	321,382	439,019	466,212	525,122	642,479	59,002	61,342	1915–1919.[3]
723,957	43,116	96,703	84,356	407,052	73,213	16,205	3,312	1888.
745,132	43,039	107,826	92,135	403,421	75,846	19,253	3,610	1889.
789,310	39,434	108,934	90,006	449,987	80,863	16,764	3,321	1890.
844,916	39,450	123,776	118,737	459,305	78,987	20,454	4,207	1891.
827,402	35,335	138,719	150,728	391,628	88,850	16,824	5,318	1892.
866,401	38,254	145,479	102,208	458,450	99,316	16,838	5,857	1893.
654,995	31,444	135,519	100,147	295,078	74,878	14,450	3,479	1894.
731,970	37,191	96,724	112,167	383,646	83,813	12,720	5,709	1895.
779,725	41,376	85,501	108,828	418,639	94,575	19,632	11,173	1896.
764,730	40,863	65,061	107,389	430,192	91,678	20,017	9,530	1897.
616,050	32,404	58,973	92,092	305,934	96,425	23,029	7,194	1898.
697,148	31,690	80,460	86,588	353,885	111,501	22,588	10,436	1899.
849,941	39,999	90,037	93,667	440,567	145,814	28,640	11,218	1900.
823,172	42,935	102,223	110,367	429,620	122,099	6,974	8,954	1901.
903,321	48,846	102,230	119,786	475,162	136,295	7,554	13,448	1902.
1,025,719	55,669	134,067	107,428	547,227	159,075	9,671	12,582	1903.
991,087	52,701	146,078	120,364	498,697	155,576	8,244	9,427	1904.
1,117,513	63,657	163,572	150,796	540,773	174,641	12,731	11,344	1905.
1,226,562	69,603	165,750	140,423	633,292	192,434	12,432	12,629	1906.
1,434,421	74,813	188,763	160,166	747,291	223,986	18,275	21,127	1907.
1,194,342	76,301	162,515	124,999	608,014	191,332	14,891	16,291	1908.
1,311,920	80,467	173,533	163,879	654,323	206,982	17,628	15,109	1909.
1,556,947	96,371	210,397	196,165	806,270	210,473	19,782	17,490	1910.
1,527,226	102,264	203,233	182,624	768,168	230,850	12,874	27,214	1911.
1,653,265	110,145	223,927	215,089	819,585	248,725	13,207	22,586	1912.
1,813,008	121,764	240,179	217,735	892,866	297,505	16,533	26,425	1913.
1,893,926	162,046	265,353	222,677	895,603	305,115	23,982	19,149	1914.
1,674,170	161,055	312,025	261,490	614,355	271,790	28,502	24,953	1915.
912,787	107,626	140,821	166,239	271,684	191,667	18,021	16,730	1915 (6 mos.).
2,391,635	240,161	418,277	427,610	633,317	550,866	59,511	61,893	1916.
2,952,468	419,124	452,858	598,819	551,145	820,624	36,835	73,064	1917.
3,031,213	457,660	516,955	610,931	318,121	939,301	102,737	85,506	1918.
3,904,365	500,165	657,609	687,525	750,528	1,107,733	88,616	112,188	1919.
5,278,481	614,618	1,048,045	760,999	1,227,843	1,396,677	80,014	150,285	1920.
2,509,148	337,632	417,217	295,623	764,942	617,862	35,499	40,373	1921.
3,112,747	366,524	455,930	358,763	991,203	826,886	48,517	64,924	1922.
3,792,066	418,348	583,169	467,421	1,157,056	1,019,811	59,200	87,061	1923.
3,609,963	402,047	593,108	466,074	1,096,087	930,708	48,945	72,992	1924.
4,226,589	458,791	521,742	518,797	1,238,181	1,319,126	77,808	92,144	1925.
4,430,888	485,503	526,067	567,979	1,285,863	1,400,701	68,355	96,420	1926.
4,184,742	484,499	500,959	518,275	1,276,466	1,256,758	54,531	93,255	1927.
4,091,444	499,959	460,743	569,410	1,248,749	1,168,928	53,450	90,207	1928.
4,399,361	514,370	467,159	639,758	1,332,630	1,280,279	56,557	108,608	1929.
3,060,908	414,355	347,356	433,514	908,845	856,496	32,791	67,547	1930.
2,090,635	277,111	239,930	307,190	640,095	574,301	19,120	32,888	1931.

[2] Period July 1, 1915, to Dec. 31, 1920. [3] Fiscal years ended June 30.

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No. 489.—SUPPLEMENT TO TABLES 487, 488, AND 496: ADJUSTED FIGURES OF EXPORTS TO CANADA, NORTH AMERICA, NORTHERN NORTH AMERICA, AND EUROPE

NOTE.—Especially from 1920 through 1929 large quantities of United States grain were shipped through Canada (mostly via Montreal) to other foreign countries. Since the final destination is customarily not known when shipped, this grain is reported as an export to Canada, but as a matter of fact practically all of it except from five to ten million dollars' worth of corn annually goes thence to Europe. In the following table the reported figures of total value of exports are adjusted on the assumption that all this grain was destined for Europe, an assumption adopted for convenience and involving only a small margin of error. Figures cover fiscal years for 1910–1914; calendar, for all other years

[Millions and tenths of millions of dollars]

Yearly average or year	Grain reported as exported to Canada	Adjusted figures deducting such grain from exports to Canada and adding to exports to Europe						
		Values of exports to—				Per cent of exports to entire world to—		
		Canada	Northern North America	North America	Europe	Northern North America	North America	Europe
1910–1914	7.1	308.0	313.0	494.0	1,357.4	14.4	22.8	62.7
1921–1925	72.4	546.6	555.0	999.6	2,390.3	12.6	22.7	54.4
1926–1930	63.5	756.0	766.4	1,169.5	2,299.1	16.0	24.5	48.1
1913	6.5	594.7	402.3	594.7	1,506.1	16.2	23.9	60.6
1919	18.8	715.4	731.1	1,277.0	5,206.5	9.2	16.1	65.7
1920	70.5	901.3	914.3	1,858.7	4,536.6	11.1	22.5	55.1
1921	79.9	513.8	520.6	1,049.7	2,443.8	11.6	23.4	54.5
1922	78.5	498.2	505.0	837.2	2,161.9	13.2	21.8	56.4
1923	40.6	611.3	619.9	1,045.6	2,134.0	14.9	25.1	51.2
1924	105.6	518.4	528.2	984.4	2,550.9	11.5	21.4	55.6
1925	57.2	591.5	601.4	1,081.1	2,661.0	12.2	22.0	54.2
1926	56.2	682.3	691.5	1,120.3	2,366.4	14.4	23.3	49.2
1927	113.9	722.6	731.4	1,139.1	2,427.7	15.0	23.4	49.9
1928	82.8	831.9	841.4	1,238.6	2,457.7	16.4	24.2	47.9
1929	49.4	899.0	912.1	1,345.7	2,390.2	17.4	25.7	45.6
1930	15.1	643.9	655.5	1,004.1	1,853.5	17.1	26.1	48.2
1931	10.2	386.2	393.6	580.7	1,197.0	16.2	24.0	49.4

No. 490.—SUPPLEMENT TO TABLES 491, 492, AND 493: ADJUSTED FIGURES OF EXPORTS OF UNITED STATES MERCHANDISE TO NORTH AMERICA AND EUROPE BY ECONOMIC CLASSES

[All figures except percentages in thousands of dollars. See headnote to Table 530]

	1910–1914	1921–1925	1926–1930	1929	1930	1931
ADJUSTED EXPORTS (GRAINS EXPORTED TO CANADA TREATED AS EXPORTED TO EUROPE)[1]						
North America	476,127	956,958	1,113,469	1,292,163	968,495	558,849
Foodstuffs	79,049	168,135	151,772	159,352	127,781	73,374
Crude foodstuffs	24,394	55,464	51,566	54,355	44,380	25,719
Europe	1,340,920	2,351,854	2,270,077	2,364,220	1,830,632	1,176,377
Foodstuffs	306,733	768,322	504,842	479,850	331,693	246,027
Crude foodstuffs	96,722	348,721	227,991	193,559	117,207	85,605
Per cent of total exports of foodstuffs exported to—						
North America	18.8	16.5	20.1	21.1	23.6	19.6
Europe	72.8	75.2	66.8	63.6	61.3	65.8
Percentage distribution of total adjusted exports to—						
North America	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	18.1	17.3	15.9	14.6	15.6	18.3
Foodstuffs	16.6	17.6	13.6	12.3	13.2	13.1
Semimanufactures	14.8	12.8	14.5	14.5	14.2	14.4
Finished manufactures	50.5	52.3	56.0	58.5	57.0	54.2
Europe	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	44.4	37.1	34.1	32.2	29.3	25.2
Foodstuffs	22.9	32.7	22.2	20.3	18.1	20.9
Semimanufactures	17.1	11.2	14.0	14.7	13.7	13.3
Finished manufactures	15.6	19.0	29.7	32.8	38.8	40.5

[1] See Table 489 for grain exports to Canada and for reasons for adjustments.

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No. 491.—FOREIGN TRADE WITH EACH CONTINENT, BY ECONOMIC CLASSES

NOTE.—Values in millions and tenths of millions of dollars. Data prior to 1915 are for years ended June 30; thereafter, for calendar years. The Philippine Islands are included in Oceania prior to 1922 and in Asia for later years; therefore, Asia and Oceania are combined for the averages through 1925

	1905–1909 [1]	1910–1914 [1]	1921–1925 [1]	1926–1930 [1]	1929	1930	1931
EXPORTS OF U. S. MERCHANDISE							
North America [2]	297.6	483.3	1,029.3	1,177.0	1,341.6	983.6	569.0
Crude materials	56.5	86.2	165.9	176.6	189.1	150.9	102.3
Crude foodstuffs [2]	20.8	31.5	127.8	115.1	103.8	59.5	35.9
Manufactured foodstuffs	39.3	54.7	112.7	100.2	105.0	83.4	47.7
Semimanufactures	35.9	70.4	122.6	161.8	187.2	137.9	80.4
Finished manufactures	145.1	240.6	500.3	623.3	756.5	551.9	302.7
South America	74.4	120.5	294.1	445.4	536.7	335.9	157.5
Crude materials	.8	2.7	7.9	7.1	5.3	4.7	3.3
Crude foodstuffs	.9	1.3	4.0	7.8	7.1	5.7	5.6
Manufactured foodstuffs	8.5	11.9	21.9	29.3	32.8	23.6	10.7
Semimanufactures	11.5	21.8	46.1	65.8	68.3	44.4	25.3
Finished manufactures	52.7	82.8	214.3	335.4	423.2	257.4	112.6
Europe [2]	1,178.0	1,333.8	2,279.5	2,206.6	2,314.8	1,815.5	1,166.2
Crude materials	459.7	594.9	873.5	773.1	761.0	537.2	296.9
Crude foodstuffs [2]	131.0	89.6	276.4	164.5	141.5	102.1	75.4
Manufactured foodstuffs	255.5	210.0	419.6	276.9	286.3	214.5	160.4
Semimanufactures	174.4	229.8	263.7	318.7	348.7	251.1	156.5
Finished manufactures	157.5	209.5	446.3	673.4	774.6	710.6	476.9
Asia [3]	139.0	168.2	637.7	572.7	642.0	446.6	394.2
Crude materials	17.2	27.1	135.0	172.3	173.3	121.6	157.8
Crude foodstuffs	2.8	3.1	13.9	11.2	13.4	9.9	9.3
Manufactured foodstuffs	15.1	15.2	36.7	37.7	47.4	32.6	23.2
Semimanufactures	14.2	17.1	96.4	89.7	94.8	62.2	45.8
Finished manufactures	89.6	105.8	355.6	261.9	313.1	220.3	148.1
Oceania				176.8	191.6	107.3	41.3
Crude materials				9.3	8.9	10.1	3.7
Crude foodstuffs				.7	.8	.7	.4
Manufactured foodstuffs				4.6	4.9	2.6	1.3
Semimanufactures				19.0	21.6	10.9	5.0
Finished manufactures				143.2	155.4	83.0	31.1
Africa	18.4	24.6	69.6	109.4	130.4	92.3	59.7
Crude materials	1.4	2.3	6.4	5.4	4.8	4.5	2.8
Crude foodstuffs	2.1	1.0	1.7	.6	.4	.7	.4
Manufactured foodstuffs	3.7	3.2	6.8	7.1	7.9	6.0	3.6
Semimanufactures	1.6	2.5	5.7	7.6	8.4	6.2	4.6
Finished manufactures	9.5	15.6	49.0	88.6	108.9	74.8	48.4
GENERAL IMPORTS							
North America	243.8	347.1	910.9	940.2	981.5	761.7	517.0
Crude materials	76.8	114.0	[4] 206.0	180.2	159.3	116.8	75.6
Crude foodstuffs	35.2	53.8	[4] 113.4	144.5	149.6	124.5	83.4
Manufactured foodstuffs	74.2	102.7	[4] 292.3	202.8	204.5	114.1	81.9
Semimanufactures	39.7	46.4	[4] 142.4	184.1	217.0	166.8	97.0
Finished manufactures	17.9	30.1	[4] 156.8	228.6	251.2	239.6	179.2
South America	148.1	208.9	421.3	545.8	639.8	433.5	307.2
Crude materials	57.2	78.9	131.6	170.6	210.2	145.6	79.7
Crude foodstuffs	70.5	95.6	197.7	272.6	291.2	204.5	168.8
Manufactured foodstuffs	2.6	3.2	8.7	13.1	18.9	14.4	7.2
Semimanufactures	16.9	26.8	78.1	84.6	113.9	63.2	45.5
Finished manufactures	.8	2.4	5.3	5.0	5.5	5.9	5.9
Europe	638.7	836.5	1,049.5	1,210.5	1,332.6	908.6	640.1
Crude materials	166.8	229.4	[4] 253.9	256.5	257.8	175.8	126.9
Crude foodstuffs	21.3	30.3	27.7	34.1	36.1	27.1	20.6
Manufactured foodstuffs	55.0	70.9	79.7	94.5	100.7	77.8	59.1
Semimanufactures	138.1	196.5	[4] 263.5	325.3	357.2	236.9	149.9
Finished manufactures	255.5	309.4	[4] 424.6	500.1	580.7	391.3	283.6
Asia [3]	213.1	275.8	996.9	1,192.6	1,280.3	856.5	574.3
Crude materials	113.1	151.0	655.3	785.4	828.7	509.3	329.6
Crude foodstuffs	20.7	23.0	34.0	37.7	38.5	31.4	23.8
Manufactured foodstuffs	19.5	17.5	[4] 66.9	81.6	91.9	82.3	71.7
Semimanufactures	23.3	37.1	[4] 108.7	142.0	168.5	116.3	70.9
Finished manufactures	36.5	47.2	[4] 131.9	145.9	152.8	117.2	78.4
Oceania				53.1	56.6	32.8	18.1
Crude materials				44.3	44.6	26.1	14.8
Crude foodstuffs				.3	.2	.3	.2
Manufactured foodstuffs				5.6	6.7	4.2	2.2
Semimanufactures				1.7	3.7	1.0	.6
Finished manufactures				1.2	1.3	1.3	1.3
Africa	15.3	22.6	71.5	91.9	108.6	67.5	32.9
Crude materials	14.7	21.6	46.2	47.2	58.0	28.6	15.6
Crude foodstuffs	.3	.4	10.5	17.5	22.9	12.4	7.9
Manufactured foodstuffs	[5]	[5]	.6	.6	.9	.7	.4
Semimanufactures	.1	.3	13.1	24.3	24.7	24.1	8.1
Finished manufactures	.2	.2	1.1	1.7	2.1	1.7	.9

[1] Average for period. [2] See headnote to Table 489 and Supplemental Table 490. [3] "Asia and Oceania" for 1905 to 1925. [4] Revised. [5] Less than $50,000.

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No. 492.—PER CENT EACH CONTINENT FURNISHES OR TAKES OF TOTAL TRADE IN EACH ECONOMIC CLASS

NOTE.—Percentages are based on data shown in Table 491, except calculations were made from the full figures. See also Supplemental Table 490

Continent	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1930	1931	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1930	1931
	Crude materials						Foodstuffs					
Exports (U. S. mdse.):												
North America	10.6	12.1	14.0	15.4	18.2	18.1	12.5	20.4	23.5	28.5	26.4	22.3
South America	.1	.4	.7	.6	.6	.6	2.0	3.1	2.5	4.9	5.4	4.4
Europe	85.8	83.4	73.5	67.6	64.8	52.4	80.6	71.1	68.1	58.4	58.5	63.1
Asia and Oceania	3.2	3.8	11.4	15.9	15.9	28.5	3.7	4.3	5.0	7.2	8.4	9.1
Africa	.3	.3	.5	.5	.5	.5	1.2	1.0	.8	1.0	1.2	1.1
General imports:												
North America	17.9	19.2	[1]15.9	12.1	11.7	11.8	36.5	39.4	[1]48.8	38.4	34.4	31.4
South America	13.4	13.3	10.2	11.5	14.5	12.4	24.4	24.9	24.8	31.5	31.6	33.4
Europe	38.9	38.6	[1]19.6	17.3	17.5	19.8	25.5	25.4	12.9	14.2	15.1	15.1
Asia and Oceania	26.4	25.4	50.7	55.9	53.4	53.6	13.4	10.2	[1]12.1	13.8	17.0	18.6
Africa	3.4	3.6	3.6	3.2	2.9	2.4	.1	.1	1.3	2.0	1.9	1.6
	Semimanufactures						Finished manufactures					
Exports (U. S. mdse.):												
North America	15.1	20.6	22.9	24.4	26.9	25.3	31.9	36.8	32.0	29.3	29.1	27.0
South America	4.8	6.4	8.6	9.9	8.7	8.0	11.6	12.7	13.7	15.8	13.6	10.1
Europe	73.4	67.3	49.3	48.1	49.0	49.3	34.7	32.0	28.5	31.7	37.4	42.6
Asia and Oceania	6.0	5.0	18.0	16.4	14.3	16.0	19.7	16.2	22.7	19.1	16.0	16.0
Africa	.7	.7	1.1	1.2	1.2	1.5	2.1	2.4	3.1	4.2	3.9	4.3
General imports:												
North America	18.2	15.1	[1]23.5	24.2	27.4	26.1	5.8	7.7	[1]21.8	25.9	31.7	32.6
South America	7.7	8.7	12.9	11.1	10.4	12.2	.3	.6	.7	.6	.8	1.1
Europe	63.3	64.0	[1]43.5	42.7	38.9	40.3	82.2	79.5	[1]59.0	56.7	51.7	51.6
Asia and Oceania	10.7	12.1	[1]17.9	18.9	18.3	19.2	11.7	12.1	[1]18.3	16.7	15.7	14.5
Africa	[2]	.1	2.2	3.2	4.0	2.2	.1	.1	.2	.2	.2	.2

[1] Revised. [2] Less than one-tenth of 1 per cent.

No. 493.—PER CENT EACH ECONOMIC CLASS FORMS OF TOTAL TRADE WITH EACH CONTINENT

NOTE.—Percentages are based on data shown in Table 491, except calculations were made from the full figures. See also Supplemental Table 490

Class	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1930	1931	1905–1909, average	1910–1914, average	1921–1925, average	1926–1930, average	1930	1931
	North America						South America					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	19.0	17.8	16.1	15.0	15.3	18.0	1.1	2.2	2.7	1.6	1.4	2.1
Foodstuffs	20.2	17.8	23.4	18.3	14.5	14.7	12.7	10.9	8.8	8.3	8.7	10.4
Semimanufactures	12.0	14.6	11.9	13.8	14.0	14.1	15.5	18.1	15.7	14.8	13.2	16.1
Finished manufactures	48.8	49.8	48.6	53.0	56.1	53.2	70.8	68.7	72.9	75.3	76.6	71.4
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	31.5	32.9	[1]22.6	19.2	15.3	14.6	38.7	38.1	31.2	31.3	33.6	26.0
Foodstuffs	44.9	45.1	[1]44.5	36.9	31.3	32.0	49.4	47.8	49.0	52.3	50.5	57.3
Semimanufactures	16.3	13.4	[1]15.6	19.6	21.9	18.8	11.4	13.0	18.5	15.5	14.6	14.8
Finished manufactures	7.4	8.7	[1]17.2	24.3	31.5	34.7	.5	1.1	1.3	.9	1.4	1.9
	Europe						Asia and Oceania					
Exports (U. S. mdse.)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	39.0	44.6	38.3	35.0	29.6	25.5	12.4	16.1	21.2	24.2	23.8	37.9
Foodstuffs	32.8	22.5	30.5	20.0	17.4	20.2	12.9	10.8	7.9	7.2	8.3	8.0
Semimanufactures	14.8	17.2	11.6	14.4	13.8	13.4	10.2	10.2	15.1	14.5	13.2	11.9
Finished manufactures	13.4	15.7	19.6	30.5	39.1	40.9	64.5	62.9	55.8	54.0	54.8	42.1
General imports	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Crude materials	26.2	27.4	[1]24.2	21.2	19.3	19.8	53.1	54.7	65.7	66.6	60.2	58.0
Foodstuffs	12.0	12.1	10.2	10.6	11.5	12.4	18.9	14.7	[1]10.1	10.1	13.3	16.5
Semimanufactures	21.7	23.5	[1]25.1	26.9	26.1	23.4	10.9	13.5	[1]10.9	11.5	13.2	12.1
Finished manufactures	40.1	37.0	[1]40.5	41.3	43.1	44.3	17.1	17.1	[1]13.2	11.8	13.3	13.4

[1] Revised.

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No. 494.—EXPORTS OF UNITED STATES MERCHANDISE BY ECONOMIC CLASSES AND PRINCIPAL COUNTRIES, 1931

NOTE.—Owing to indirect trade the United States statistics greatly understate the United States exports to Austria, Czechoslovakia, Poland and Danzig, and Switzerland. Statistics of those countries showed imports from the United States, in 1931, as follows: Austria, $13,539 000; Czechslovakia, $14,304,000; Poland and Danzig, $17,378,000; and Switzerland, $31,370,000.

[Values in thousands of dollars]

Country	Total value	Crude materials		Foodstuffs		Semimanufactures		Finished manufactures	
		Value	Per cent	Value	Per cent	Value	Per cent	Value	Per cent
Grand total	2,377,982	566,791	23.8	373,687	15.7	317,647	13.4	1,119,657	47.1
Northern North America	384,819	95,325	24.8	43,357	11.3	55,861	14.5	190,276	49.4
Canada—[1]									
As reported	377,544	94,884	25.1	41,184	10.9	55,300	14.6	186,175	49.3
Adjusted	*367,385*	*94,884*	*25.8*	*31,025*	*8.4*	*55,300*	*15.1*	*186,175*	*50.7*
Newfoundland and Labrador	7,069	427	6.0	2,140	30.3	533	7.5	3,969	56.1
Southern North America	184,189	7,023	3.8	40,176	21.8	24,539	13.3	112,451	61.1
Mexico	50,988	1,258	2.5	7,443	14.6	7,820	15.3	34,467	67.6
Central America	46,307	1,100	2.4	10,792	23.3	5,973	12.9	28,442	61.4
British West Indies	17,024	804	4.7	3,388	19.9	1,763	10.4	11,069	65.0
Cuba	46,240	2,965	6.4	13,341	28.9	6,243	13.5	23,691	51.2
Netherland West Indies	9,602	274	2.9	1,419	14.8	1,245	13.0	6,663	69.4
South America	157,545	3,315	2.1	16,358	10.4	25,321	16.1	112,551	71.4
Argentina	52,460	1,497	2.9	2,341	4.5	11,110	21.2	37,513	71.5
Brazil	28,505	846	3.0	5,269	18.5	3,279	11.5	19,111	67.0
Chile	21,342	26	.1	761	3.6	3,726	17.5	16,828	78.8
Colombia	15,714	330	2.1	2,390	15.2	1,842	11.7	11,152	71.0
Peru	7,811	57	.7	991	12.7	1,738	22.3	5,024	64.3
Uruguay	9,479	124	1.3	161	1.7	1,785	18.8	7,410	78.2
Venezuela	15,428	127	.8	2,934	19.0	1,130	7.3	11,237	72.8
Europe	1,166,218	286,924	25.5	235,868	20.2	156,509	13.4	476,917	40.9
Austria	2,504	282	11.3	277	11.1	274	10.9	1,672	66.8
Belgium	58,966	10,142	17.2	13,594	23.1	8,684	14.7	26,546	45.0
Czechoslovakia	3,644	296	8.1	279	7.7	409	11.2	2,661	73.0
Denmark	29,638	2,049	6.9	7,393	24.9	2,273	7.7	17,923	60.5
France	118,337	29,833	25.2	13,742	11.6	21,298	18.0	53,464	45.2
Germany	160,726	74,184	46.2	34,692	21.6	23,026	14.3	28,824	17.9
Italy	54,175	27,220	50.2	3,577	6.6	10,402	19.2	12,976	24.0
Netherlands	64,342	12,580	19.6	21,533	33.5	11,551	18.0	18,677	29.0
Norway	12,158	1,349	11.1	2,917	24.0	1,115	9.2	6,777	55.7
Poland and Danzig	4,549	1,294	28.4	526	11.6	902	19.8	1,827	40.2
Soviet Russia in Europe	103,072	76	.1	24	(2)	1,793	1.7	101,179	98.2
Spain	32,878	13,668	41.6	286	.9	4,370	13.3	14,554	44.3
Sweden	31,808	3,646	11.5	4,925	15.5	4,411	13.9	18,826	59.2
Switzerland	9,206	1,175	12.8	289	3.1	811	8.8	6,932	75.3
United Kingdom	449,484	112,544	25.0	124,156	27.6	63,445	14.1	149,340	33.2
Asia	384,161	157,759	41.1	32,533	8.5	45,809	11.9	148,059	38.5
British India	36,622	8,109	22.1	817	2.2	2,467	6.7	25,229	68.9
British Malaya	4,674	282	6.0	722	15.4	502	10.7	3,169	67.8
Ceylon	1,250	201	16.1	135	10.8	85	6.8	829	66.3
China, Hong Kong, Kwantung	113,456	55,550	49.0	15,795	13.9	12,102	10.7	30,009	26.4
Japan	154,839	91,884	59.3	4,688	3.0	22,725	14.7	35,543	23.0
Netherland East Indies	15,308	1,256	8.2	1,078	7.0	2,196	14.3	10,779	70.4
Persia	1,057	1	.1	3	.3	73	6.9	979	92.6
Turkey (Europe and Asia)	1,684	1	.1	84	5.0	252	15.0	1,347	80.0
Oceania	41,332	3,676	8.9	1,633	4.0	4,973	12.0	31,050	75.1
Australia	27,006	2,888	10.7	542	2.0	3,246	12.0	20,330	75.3
New Zealand	13,406	781	5.8	944	7.0	1,646	12.3	10,035	74.9
Africa	59,720	2,770	4.6	3,961	6.6	4,635	7.8	48,354	81.0
Algeria and Tunisia	4,505	285	6.3	340	7.5	706	15.7	3,174	70.5
British Africa—									
East	2,091	20	1.0	79	3.8	53	2.5	1,940	92.8
South	28,568	40	.1	991	3.5	1,660	5.8	25,878	90.6
West	4,979	1,018	20.4	988	19.8	96	1.9	2,877	57.8
Egypt	5,245	265	5.1	841	16.0	625	11.9	3,513	67.0

[1] See headnote Table 489.
[2] Less than one-tenth of 1 per cent.

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No. 495.—IMPORTS, FREE AND DUTIABLE, BY

NOTE.—Dutiable imports for consumption from China are less and the free imports correspondingly greater free under special provision. See Table 486. The reclassification of carpet wool from dutiable to free

[Values in

Country	Total imports				Crude materials				Foodstuffs	
	Value		Per cent		Value		Per cent		Value	
	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable
Grand total	1,381,435	709,199	66.1	33.9	524,541	117,632	25.1	5.6	333,232	193,910
Northern North America	227,342	49,769	82.0	18.0	27,588	6,029	10.0	2.2	14,791	20,529
Canada	217,884	48,385	81.8	18.2	26,964	5,431	10.1	2.0	14,738	19,759
Newfoundland and Labrador	9,013	1,383	86.7	13.3	190	598	1.8	5.8	53	770
Southern North America	139,743	100,188	58.2	41.8	27,283	14,709	11.4	6.1	47,857	82,115
Mexico	36,474	11,138	76.6	23.4	18,239	2,236	38.3	4.7	7,495	8,108
Central America	30,386	614	98.0	2.0	1,679	156	5.4	.5	27,587	399
British West Indies	11,729	2,371	83.2	16.8	789	86	5.6	.6	8,041	2,058
Cuba	5,678	84,382	6.3	93.7	2,601	12,192	2.9	13.5	1,609	69,999
Netherland West Indies	50,742	75	99.9	.1	3,341	(1)	6.6	(2)	4	(1)
South America	268,967	38,224	87.6	12.4	54,091	25,648	17.6	8.3	168,281	7,755
Argentina	9,111	26,869	25.3	74.7	6,743	20,820	18.7	57.9	1,332	3,236
Brazil	105,982	4,230	96.2	3.8	9,005	1,843	8.2	1.7	96,337	2,110
Chile	39,099	879	97.8	2.2	3,740	166	9.4	.4	120	712
Colombia	74,843	639	99.2	.8	14,233	70	18.9	.1	60,309	44
Peru	8,390	583	93.5	6.5	1,363	360	15.2	4.0	18	2
Uruguay	1,572	2,305	40.5	59.5	590	864	15.2	22.3	156	1,440
Venezuela	26,801	44	99.8	.2	16,473	38	61.4	.1	8,954	2
Europe	242,876	397,220	14.8	24.2	82,680	44,201	5.9	2.7	15,914	63,755
Austria	757	3,350	18.4	81.5	175	103	4.3	2.5	1	177
Belgium	10,737	23,504	31.4	68.6	4,980	321	14.5	.9	(1)	501
Czechoslovakia	785	22,377	3.4	96.6	155	241	.7	1.0	2	303
Denmark	541	1,340	28.8	71.2	223	341	11.9	18.1	31	411
France	23,267	55,907	29.4	70.6	5,684	2,346	7.2	3.0	575	6,468
Germany	42,946	84,093	33.8	66.2	14,960	4,879	11.8	3.8	934	2,663
Italy	15,725	46,934	25.1	74.9	10,044	6,042	16.0	9.6	785	22,170
Netherlands	12,936	22,016	37.0	63.0	3,714	11,120	10.6	31.8	1,831	3,347
Norway	4,141	12,679	24.6	75.4	519	226	3.1	1.3	17	3,268
Poland and Danzig	866	1,088	44.3	55.7	589	335	30.1	17.1	(1)	265
Soviet Russia in Europe	6,830	5,781	54.2	45.8	5,683	1,942	45.1	15.4	620	1,546
Spain	6,482	10,139	39.0	61.0	3,329	94	20.0	.6	137	8,292
Sweden	28,338	5,934	82.7	17.3	437	833	1.3	2.4	201	139
Switzerland	2,613	20,487	11.3	88.7	437	422	1.9	1.8	11	4,400
United Kingdom	69,339	66,113	51.2	48.8	29,083	4,819	21.5	3.6	10,252	6,413
Asia	463,524	110,777	80.7	19.3	313,932	15,634	54.7	2.7	76,598	18,875
British India	22,832	35,688	39.0	61.0	16,715	3,612	28.6	6.2	3,172	2,137
British Malaya	82,948	125	99.8	.2	54,470	6	65.6	(2)	534	55
Ceylon	10,514	391	96.4	3.6	5,673	104	52.0	1.0	4,648	194
China, Hong Kong, Kwantung	47,289	26,522	64.1	35.9	36,364	4,400	49.3	6.0	2,214	5,852
Japan	174,440	31,909	84.5	15.5	167,038	1,106	80.9	.5	3,970	6,736
Netherland East Indies	32,561	1,679	95.1	4.9	19,640	51	57.4	.1	7,798	599
Persia	392	4,066	8.8	91.2	266	-------	6.0	------	110	46
Turkey (Europe and Asia)	2,001	6,084	24.7	75.3	1,428	4,520	17.7	55.9	409	1,133
Oceania	12,186	6,934	63.7	36.3	8,582	6,194	44.9	32.4	1,808	581
Australia	6,864	5,640	54.9	45.1	4,424	5,284	35.4	42.3	936	211
New Zealand	3,167	1,266	71.4	28.6	2,038	910	46.0	20.5	870	347
Africa	28,798	6,087	81.5	18.5	10,384	5,217	31.6	15.9	7,985	301
Algeria and Tunisia	1,629	189	89.6	10.4	899	21	49.4	1.2	13	119
British Africa—										
East	1,308	17	98.7	1.3	454	-------	34.3	------	750	10
South	3,489	1,001	77.7	22.3	3,197	716	71.2	15.9	41	-------
West	11,232	1,244	90.0	10.0	1,577	1,231	12.6	9.9	5,569	3
Egypt	1,189	2,828	29.6	70.4	992	2,678	24.7	66.7	1	89

[1] Less than $500.

[2] Less than one tenth of 1 per cent.

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ECONOMIC CLASSES, AND PRINCIPAL COUNTRIES, 1931

than the general imports because of carpet wool which was originally classified as dutiable but later entered affects to a smaller degree statistics for Argentina, British India, and other wool exporting countries

thousands of dollars]

Foodstuffs—Cont'd.		Semimanufactures				Finished manufactures				Country
Per cent		Value		Per cent		Value		Per cent		
Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	Free	Dutiable	
15.9	9.3	267,649	104,394	12.8	5.0	256,012	293,263	12.2	14.0	**Grand total.**
5.3	7.4	55,094	17,601	19.9	6.4	129,869	5,609	46.9	2.0	**Northern North America.**
5.5	7.4	54,918	17,600	20.6	6.6	121,263	5,594	45.5	2.1	Canada.
.5	7.4	175	(1)	1.7	(2)	8,596	15	82.7	.1	Newfoundland and Labrador.
19.9	34.2	23,874	401	10.0	.2	40,729	2,964	17.0	1.2	**Southern North America.**
15.7	17.0	8,437	174	17.7	.4	2,303	619	4.8	1.3	Mexico.
89.0	1.3	37	26	.1	.1	1,083	33	3.5	.1	Central America.
57.0	14.6	22	26	.2	.2	2,877	202	20.4	1.4	British West Indies.
1.8	77.7	187	165	.2	.2	1,280	2,025	1.4	2.2	Cuba.
(2)	(2)	15,104	(1)	29.7	(2)	32,293	74	63.5	.1	Netherland West Indies.
54.8	2.5	42,615	2,926	13.9	1.0	3,979	1,896	1.3	.6	**South America.**
3.7	9.0	404	2,674	1.1	7.4	633	140	1.8	.4	Argentina.
84.7	1.9	286	61	.3	.1	354	216	.3	.2	Brazil.
.3	1.8	34,993	-------	87.5	-------	246	1	.6	(2)	Chile.
79.9	.1	45	2	.1	(2)	257	523	.3	.7	Colombia.
.2	(2)	6,843	181	76.3	2.0	167	40	1.9	.4	Peru.
4.0	37.1	-------	1	-------	(2)	826	(1)	21.3	(2)	Uruguay.
33.4	(2)	21	1	.1	(2)	1,353	3	5.0	(2)	Venezuela.
1.0	3.9	76,564	73,356	4.7	4.5	67,717	215,909	4.1	13.2	**Europe.**
(2)	4.3	171	516	4.2	12.6	410	2,553	10.0	62.1	Austria.
(2)	1.5	4,582	10,903	13.4	31.8	1,175	11,779	3.4	34.4	Belgium.
(2)	1.3	511	2,222	2.2	9.6	117	19,610	.5	84.7	Czechoslovakia.
1.6	21.9	21	391	1.1	20.8	266	197	14.1	10.5	Denmark.
.7	8.2	2,086	5,743	2.6	7.3	14,921	41,351	18.8	52.2	France.
.7	2.1	15,171	17,933	11.9	14.1	11,881	58,618	9.4	46.1	Germany.
1.3	35.4	1,920	1,559	3.1	2.5	2,977	17,163	4.8	27.4	Italy.
5.2	9.6	5,262	5,330	15.1	15.2	2,129	2,220	6.1	6.4	Netherlands.
.1	19.4	2,738	8,921	16.3	53.0	868	264	5.2	1.6	Norway.
(2)	13.6	109	155	5.6	7.9	168	334	8.6	17.1	Poland and Danzig.
4.9	12.3	292	1,593	2.3	12.6	234	699	1.9	5.5	Soviet Russia in Europe.
.8	49.9	2,272	230	13.7	1.4	744	1,523	4.5	9.2	Spain.
.6	.4	24,160	1,272	70.5	3.7	3,540	3,689	10.3	10.8	Sweden.
(2)	19.0	77	5,641	.3	24.4	2,088	10,024	9.0	43.4	Switzerland.
7.6	4.7	8,366	10,632	6.2	7.8	21,639	44,249	16.0	32.7	United Kingdom.
13.3	3.3	61,159	9,748	10.6	1.7	11,835	66,522	2.1	11.6	**Asia.**
5.4	3.7	2,554	1,039	4.4	1.8	391	28,900	.7	49.4	British India.
.6	.1	27,875	17	33.6	(2)	69	47	.1	.1	British Malaya.
42.6	1.8	1	21	(2)	.2	193	73	1.8	.7	Ceylon.
3.0	7.9	7,800	5,802	10.6	7.9	911	10,468	1.2	14.2	China, Hong Kong, and Kwantung.
1.9	3.3	1,873	2,633	.9	1.3	1,558	21,434	.8	10.4	Japan.
22.8	1.7	4,796	29	14.0	.1	328	1,000	1.0	2.9	Netherland East Indies.
2.5	1.0	(1)	(1)	(2)	(2)	16	4,020	.4	90.2	Persia.
5.1	14.0	110	103	1.4	1.3	54	327	.7	4.0	Turkey (Europe and Asia).
9.4	3.0	580	39	3.0	.2	1,218	119	6.4	.6	**Oceania.**
7.5	1.7	575	38	4.6	.3	929	107	7.4	.9	Australia.
19.6	7.8	5	1	.1	(2)	254	8	5.7	.2	New Zealand.
24.3	.9	7,764	325	23.6	1.0	665	244	2.0	.7	**Africa.**
.7	6.5	620	12	34.1	.7	96	37	5.3	2.0	Algeria and Tunisia.
56.6	.8	16	(1)	1.2	(2)	87	7	6.6	.5	British Africa— East.
.9	-------	10	279	.2	6.2	241	5	5.4	.1	South.
44.6	(2)	4,050	-------	32.5	-------	36	9	.3	.1	West.
(2)	2.2	56	8	1.4	.2	140	52	3.5	1.3	Egypt.

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No. 496.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF

NOTE.—In the case of some countries, especially those having no seaports, there is considerable indirect imports from them; for such countries the apparent balance of trade may be far from the true bal Adjusted figures taking account of this movement are given in Table 489. Figures for 1910 to 1914

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931
Grand total	2,165,818	4,397,027	4,777,314	4,865,375	5,128,357	5,240,995	3,843,181	2,424,289
North America[1]	501,095	1,071,959	1,233,033	1,253,027	1,321,367	1,395,064	1,019,226	590,826
1. Northern[1]	319,880	627,382	829,858	845,307	924,172	961,473	670,652	403,732
Canada[1]	315,044	619,017	819,471	836,532	914,713	948,446	659,094	396,355
Newfoundland and Labrador.	4,778	8,181	10,066	8,483	9,210	12,502	11,285	7,170
Miquelon and St. Pierre.	68	174	312	280	245	509	270	205
Greenland		10	9	12	4	16	3	2
2. Southern	181,205	444,577	403,175	407,720	397,195	433,590	348,574	187,094
Mexico	53,091	146,345	121,959	109,148	115,654	133,863	116,135	52,366
Central America	*37,569*	*58,738*	*78,522*	*76,348*	*82,117*	*90,756*	*68,339*	*46,669*
British Honduras	1,482	1,922	1,963	2,061	1,838	1,893	1,652	1,370
Costa Rica	3,437	5,139	6,913	7,298	8,088	8,313	4,554	3,523
Guatemala	2,834	7,214	10,773	10,632	13,314	11,525	7,305	5,196
Honduras	2,847	10,312	9,634	8,487	9,728	12,811	9,602	5,980
Nicaragua	2,442	5,284	6,494	6,950	7,357	7,031	4,869	3,565
Panama	22,451	22,807	35,441	34,051	34,201	41,133	35,900	23,552
Salvador	2,077	6,060	7,305	6,869	7,591	8,050	4,457	3,483
West Indies and Bermudas.	*90,545*	*239,494*	*202,694*	*222,224*	*199,424*	*208,969*	*164,100*	*88,059*
Bermudas	1,446	3,637	3,843	3,774	3,458	4,000	4,698	4,668
Barbados	[2] 1,467	1,591	1,497	1,616	1,531	1,388	1,358	957
Jamaica	[2] 4,974	8,537	8,535	8,641	8,141	9,131	8,374	5,562
Trinidad and Tobago.	[2] 3,329	5,176	5,705	5,930	4,717	6,736	6,239	2,885
Other British	[2] 2,945	5,446	5,626	5,750	5,635	6,002	4,705	3,117
Cuba	63,047	181,294	133,245	155,383	127,897	128,909	93,550	46,964
Dominican Republic.	4,411	15,282	14,742	18,871	16,807	14,190	9,271	6,010
Netherland West Indies.	864	3,095	14,621	6,431	13,622	24,167	24,020	9,649
French West Indies	1,633	2,630	2,745	2,704	2,597	3,358	3,108	2,175
Haiti	5,862	10,910	10,113	11,071	12,742	8,790	7,104	4,822
Virgin Islands of U. S.	854	1,894	2,020	2,053	2,277	2,298	1,673	1,250
South America	121,028	297,115	447,860	438,159	480,815	539,310	337,509	158,691
3. Caribbean	13,075	43,965	86,849	86,261	99,055	96,478	60,171	33,126
Colombia	5,764	25,862	46,137	48,694	58,596	48,983	25,130	16,052
Guiana—								
British	1,808	2,094	1,315	1,501	1,348	1,100	1,045	725
Surinam (Netherlands).	723	983	1,112	1,183	1,034	897	867	619
French	294	450	156	139	157	173	162	85
Venezuela	4,486	14,576	38,129	34,744	37,920	45,325	32,967	15,645
4. East Coast	84,715	193,497	280,622	278,866	306,453	348,826	206,159	91,459
Argentina	47,169	117,002	165,222	163,485	178,899	210,288	129,862	52,652
Falkland Islands	1	4	44	67	80	6	8	107
Brazil	31,484	59,921	89,377	88,737	100,104	108,787	53,809	28,579
Paraguay	134	617	1,229	1,317	1,364	1,500	1,067	602
Uruguay	5,927	15,952	24,750	25,060	26,016	28,245	21,413	9,519
5. West Coast	23,239	59,653	80,389	73,232	75,307	94,006	71,179	34,106
Bolivia	915	3,649	5,052	4,942	4,951	5,985	4,219	1,775
Chile	13,870	30,132	45,887	37,889	40,351	55,776	46,374	21,462
Ecuador	2,424	4,930	5,545	5,531	6,595	6,069	4,866	2,934
Peru	6,030	20,942	23,906	24,870	23,410	26,176	15,720	7,935

For footnotes see 456.

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MERCHANDISE BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES

trade by way of other countries, this being usually larger in the case of our exports to them than of our
ance. A specially marked case of indirect trade is that of grain exported through Canada to Europe.
cover fiscal years; other figures, calendar years

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931	
1,688,874	3,450,103	4,033,469	4,184,742	4,091,444	4,398,361	3,060,908	2,090,635	**Grand total.**
347,136	910,902	940,194	985,458	960,702	981,529	761,711	517,041	**North America.**[1]
118,518	396,668	479,737	484,499	499,959	514,370	414,355	277,111	**1. Northern.**[1]
117,213	393,771	469,212	475,028	489,303	503,496	402,350	266,268	Canada.[1]
1,272	2,528	10,024	9,066	10,117	10,411	11,485	10,396	Newfoundland and Labrador.
7	37	61	58	90	28	66	4	Miquelon and St. Pierre.
[2] 33	333	441	347	449	435	454	443	Greenland.
228,617	514,233	460,457	500,959	460,743	467,159	347,356	239,930	**2. Southern.**
70,479	147,488	125,933	137,815	124,514	117,738	80,293	47,612	Mexico.
17,369	*36,357*	*43,609*	*40,430*	*45,345*	*44,771*	*38,628*	*31,001*	*Central America.*
1,435	2,421	3,093	3,749	2,851	3,336	2,682	1,541	British Honduras.
3,793	5,090	5,732	6,035	5,555	5,203	4,813	3,736	Costa Rica.
2,845	10,015	10,020	10,179	9,561	8,470	7,401	4,651	Guatemala.
2,756	5,957	11,151	9,311	12,289	12,833	12,600	11,870	Honduras.
1,420	4,987	4,993	4,227	5,490	5,748	3,522	2,382	Nicaragua.
3,781	4,635	5,483	5,384	6,398	5,351	4,735	4,590	Panama.
1,338	3,251	3,138	1,545	3,201	3,830	2,875	2,231	Salvador.
140,770	*330,388*	*290,914*	*322,714*	*290,884*	*304,660*	*228,435*	*161,317*	*West Indies and Bermudas.*
599	1,076	921	1,107	944	773	659	527	Bermudas.
[2] 308	351	499	496	437	493	499	551	Barbados.
[2] 6,140	6,878	8,425	9,723	8,000	7,528	7,763	6,262	Jamaica.
[2] 5,490	5,199	8,913	7,461	9,675	10,823	8,373	5,620	Trinidad and Tobago.
[2] 1,434	2,372	2,700	3,862	2,257	2,405	1,596	1,139	Other British.
122,077	299,605	207,920	256,786	202,842	207,421	121,949	90,059	Cuba.
3,617	8,138	8,850	11,026	9,372	8,465	7,255	5,126	Dominican Republic.
474	4,290	50,337	29,933	54,433	64,589	78,345	50,817	Netherland West Indies.
59	168	128	105	162	105	105	47	French West Indies.
794	1,651	1,352	1,247	1,567	1,445	1,123	760	Haiti.
221	660	869	968	1,195	603	768	409	Virgin Islands of U. S.
206,858	421,336	545,788	518,275	569,410	639,758	433,518	307,190	**South America.**
22,545	65,832	132,571	118,840	135,575	156,882	136,369	104,101	**3. Caribbean.**
11,946	49,370	94,662	87,803	94,599	103,525	97,139	75,482	Colombia.
								Guiana—
494	675	934	981	914	830	739	812	British.
944	737	1,115	1,412	1,091	1,171	1,538	894	Surinam (Netherlands).
38	177	79	46	66	132	85	68	French.
9,122	14,873	35,782	28,598	38,905	51,224	36,868	26,845	Venezuela.
148,280	251,361	309,361	312,075	332,397	344,475	215,346	150,493	**4. East Coast.**
32,878	83,270	94,842	97,240	99,438	117,581	71,891	35,980	Argentina.
	468	22		3	2		269	Falkland Islands.
110,878	152,170	199,515	203,027	220,701	207,686	130,854	110,212	Brazil.
39	655	555	913	546	529	247	155	Paraguay.
4,485	14,799	14,427	10,895	11,709	18,677	12,354	3,877	Uruguay.
36,034	104,142	103,856	87,360	101,438	138,401	81,803	52,596	**5. West Coast.**
2	1,082	241	218	176	379	152	43	Bolivia.
22,881	77,186	75,059	61,857	75,160	102,025	54,813	39,977	Chile.
3,370	6,859	5,736	5,194	5,345	5,830	5,554	3,603	Ecuador.
9,780	19,015	22,819	20,091	20,757	30,167	21,284	8,973	Peru.

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No. 496.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931
Europe[1]	1,350,299	2,317,944	2,235,613	2,313,782	2,374,916	2,340,848	1,838,375	1,186,885
6. Northwestern and Central	1,222,899	1,960,627	1,878,271	1,976,878	1,975,049	1,942,134	1,513,279	986,448
Sweden	10,033	39,443	49,298	44,689	57,323	58,704	44,922	32,156
Norway	7,819	28,081	22,662	23,361	21,141	23,647	20,281	12,196
Denmark	15,393	42,615	49,608	58,605	47,173	51,442	40,243	29,749
Iceland	16	290	311	202	297	448	361	291
United Kingdom	567,592	[3] 939,412	837,219	840,059	847,326	848,000	678,105	455,974
Irish Free State	----------	[4] 7,280	13,896	10,882	13,466	14,421	13,725	6,421
Belgium	53,117	111,284	105,640	116,216	111,830	114,855	86,000	59,441
France	138,841	265,196	244,606	226,781	240,692	265,592	223,960	121,820
Netherlands	104,575	138,228	131,901	148,220	142,278	128,295	104,915	65,590
Austria	[5] 20,581	2,211	4,663	4,364	5,978	5,331	4,751	2,613
Czechoslovakia	----------	1,665	5,387	7,442	5,341	6,123	5,061	3,788
Hungary	[5]	330	1,828	1,753	2,734	2,328	1,337	687
Germany	304,098	383,219	400,364	481,681	467,260	410,449	278,269	166,050
Switzerland	833	7,198	10,888	10,123	12,210	12,499	11,349	9,672
7. Northeastern	25,882	58,267	103,572	92,000	109,487	116,131	133,246	113,874
Estonia	----------	2,081	809	918	960	830	513	348
Finland	[2] 3,031	10,442	14,866	16,488	18,742	14,894	11,290	4,865
Latvia	----------	3,047	1,190	1,029	1,070	2,320	805	387
Lithuania	----------	67	220	218	335	184	274	199
Poland and Danzig	----------	10,881	10,887	9,261	15,876	16,356	9,002	4,589
Soviet Russia in Europe	23,456	[6] 31,749	75,600	64,086	72,504	81,547	111,362	103,486
8. Southwestern	96,451	268,107	229,473	219,495	263,659	252,396	171,415	94,886
Azores and Madeira Islands.	214	987	1,256	1,946	731	1,031	1,293	325
Gibraltar	473	3,412	1,001	1,450	1,619	143	117	72
Italy	65,966	185,237	141,115	131,651	162,125	153,967	100,429	54,815
Portugal	3,610	8,005	12,456	10,672	12,771	15,135	12,069	5,683
Spain	26,189	70,465	73,644	73,776	86,613	82,120	57,507	33,971
9. Southeastern	5,068	30,943	24,296	25,909	26,521	30,180	20,435	11,697
Bulgaria	165	745	623	468	649	1,053	589	176
Greece	873	17,153	13,699	15,028	13,853	16,741	12,522	7,578
Malta, Gozo, and Cyprus Islands.	378	1,381	1,083	1,112	805	1,288	897	510
Rumania	1,415	2,409	6,436	4,925	9,431	9,795	4,920	2,236
Turkey in Europe	2,225	8,058	[7] 2,945	3,380	----------	----------	----------	----------
Yugoslavia and Albania	[8] 12	1,198	1,276	996	1,783	1,303	1,507	1,197
Asia	121,042	498,853	573,973	559,605	654,514	643,215	447,987	386,352
10. Western	2,600	8,047	10,643	7,478	11,900	15,239	12,476	6,537
Aden	1,345	1,099	497	587	516	608	225	99
Arabia	----------	362	1,170	400	322	426	336	208
Iraq	----------			638	704	979	1,003	521
Palestine	----------	3,129	4,070	1,088	1,506	1,405	1,370	904
Syria	----------			2,547	3,078	3,581	2,414	2,035
Persia	132	950	1,805	1,569	1,531	2,430	2,743	1,057
Turkey in Asia[9]	1,123	[10] 2,508	3,100	647	4,242	5,810	4,385	1,713
11. Southern and Southeastern.	40,613	119,137	180,632	164,687	186,985	209,813	154,907	109,390
British India	10,904	38,188	53,512	63,297	53,694	55,359	45,195	36,698
Ceylon	[11] 413	[11] 1,453	2,584	2,674	2,746	2,847	1,796	1,258
British Malaya	2,876	8,030	12,649	13,624	11,816	14,641	9,601	4,735
Java and Madura	[12]	[12]	22,741	23,558	25,316	30,537	16,885	11,336
Other Netherland East Indies.	3,098	17,242	11,109	8,579	9,129	15,113	12,523	3,987

For footnotes, see pp. 456 and 457.

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CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931	
836,499	1,049,494	1,210,511	1,276,466	1,248,749	1,332,630	908,845	640,095	**Europe**[1]
723,828	884,987	1,005,460	1,050,866	1,054,460	1,105,968	745,775	517,664	**6. Northwestern and Central.**
9,530	34,073	47,302	47,896	46,086	52,986	45,525	34,271	Sweden.
8,086	18,498	21,694	22,231	21,726	21,235	18,224	16,820	Norway.
2,597	6,029	4,267	4,145	3,938	4,561	3,181	1,881	Denmark.
71	106	316	92	327	544	437	442	Iceland.
278,897	[3] 355,781	325,884	357,931	348,540	329,755	209,904	135,452	United Kingdom.
----	[4] 1,269	2,794	1,597	1,273	4,260	5,364	2,303	Irish Free State.
40,360	58,335	70,137	72,234	75,074	74,048	51,536	34,241	Belgium.
130,130	147,875	152,766	167,800	158,748	171,485	113,775	79,174	France.
34,937	70,625	81,549	87,242	83,604	83,853	51,193	34,952	Netherlands.
[5] 18,077	4,097	10,433	10,611	12,121	12,235	7,780	4,108	Austria.
----	17,373	34,505	31,726	36,783	46,129	29,584	23,162	Czechoslovakia.
(5)	603	1,161	941	1,215	1,839	936	720	Hungary.
176,462	132,496	210,570	200,554	222,130	254,688	176,981	127,039	Germany.
24,682	38,843	42,083	45,866	42,895	48,350	31,265	23,099	Switzerland.
19,254	17,719	35,913	31,055	32,735	43,056	37,797	25,996	**7. Northeastern.**
----	400	830	432	1,064	875	544	457	Estonia.
[4] 153	7,549	9,866	8,670	9,872	11,225	10,454	9,932	Finland.
----	2,578	4,022	4,469	3,836	4,050	1,772	835	Latvia.
----	265	527	520	410	533	226	207	Lithuania.
----	2,369	4,053	4,825	3,604	4,853	2,838	1,954	Poland and Danzig.
19,131	[6] 4,557	16,615	12,139	13,949	21,520	21,963	12,611	Soviet Russia in Europe.
79,589	115,147	143,500	149,753	143,673	161,912	111,083	83,654	**8. Southwestern.**
267	2,495	1,587	1,814	1,615	1,445	1,465	837	Azores and Madeira Islands.
11	16	27	53	30	15	8	4	Gibraltar.
51,149	79,141	101,913	108,970	101,681	117,067	79,321	62,659	Italy.
6,552	3,855	5,541	4,565	5,329	7,326	4,927	3,533	Portugal.
21,610	29,639	34,432	34,351	35,018	36,059	25,362	16,621	Spain.
13,327	31,642	25,638	44,792	17,881	21,694	14,190	12,781	**9. Southeastern.**
376	1,029	858	892	707	881	514	414	Bulgaria.
3,329	22,255	18,143	29,646	14,610	17,757	11,793	10,982	Greece.
18	160	153	226	121	186	38	23	Malta, Gozo, and Cyprus Islands.
248	266	659	649	677	559	314	564	Rumania.
8,859	7,421	[7] 10,688	12,394	----	----	----	----	Turkey in Europe.
[8] 996	511	1,550	985	1,766	2,311	1,532	798	Yugoslavia and Albania.
258,534	942,879	1,192,632	1,256,757	1,168,928	1,280,279	856,496	574,301	**Asia**
13,576	21,279	30,986	26,874	41,791	35,068	24,964	19,173	**10. Western.**
1,808	2,221	2,693	3,060	3,315	2,457	1,742	1,260	Aden.
} ----	2,547	4,921	{ 71	90	174	66	88	Arabia.
} ----			{ 4,308	5,744	6,241	3,765	3,321	Iraq.
} ----	2,337	3,895	{ 248	280	182	165	105	Palestine.
			{ 3,984	4,681	5,200	1,791	1,857	Syria.
1,377	4,773	7,933	7,527	9,293	8,648	5,797	4,457	Persia.
10,392	[10] 9,402	11,544	7,676	18,388	12,166	11,638	8,085	Turkey in Asia.[9]
119,750	425,025	625,105	657,387	586,072	629,582	436,794	274,373	**11. Southern and Southeastern.**
56,356	109,020	136,869	131,003	148,932	149,332	104,148	58,521	British India.
[11] 9,966	[11] 27,059	36,106	40,846	30,737	32,437	20,707	10,906	Ceylon.
24,625	153,247	249,829	277,784	204,364	239,164	144,032	83,073	British Malaya.
[12]	[12]	51,354	51,600	53,890	49,433	33,453	19,760	Java and Madura.
9,194	54,962	36,113	39,788	32,252	32,868	24,437	14,480	Other Netherland East Indies.

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No. 496.—Exports (Including Reexports) and General Imports of Mer

[All figures in

Country	Exports (including reexports)							
	1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931
Asia—Continued.								
11. Southern and Southeastern—Continued.								
French Indo-China	243	1,079	1,886	1,427	1,738	2,525	1,549	967
Philippine Islands	22,596	51,927	73,688	69,522	79,805	85,530	64,935	48,883
Siam	481	1,199	2,391	1,940	2,638	3,162	2,365	1,313
Other Asia	1	19	72	64	103	99	58	213
12. Eastern	**77,829**	**371,669**	**382,697**	**367,440**	**455,629**	**418,161**	**280,604**	**270,425**
China	21,578	104,175	109,021	83,471	137,661	124,163	89,605	97,923
Hong Kong	9,137	17,810	18,043	18,866	21,977	19,566	16,987	14,380
Kwantung	676	6,735	7,531	6,698	6,246	11,841	6,405	2,176
Japan	45,290	241,877	246,036	257,570	288,158	259,127	164,570	155,715
Soviet Russia in Asia [13]	1,148	1,072	2,066	835	1,587	3,464	3,037	231
13. Oceania	**47,716**	**141,426**	**177,239**	**193,714**	**180,033**	**192,022**	**107,719**	**41,574**
Australia	38,722	111,273	139,072	159,124	141,440	150,110	75,990	27,167
New Zealand	7,791	28,198	35,841	32,517	35,825	39,461	29,827	13,479
British Oceania	296	606	1,316	1,156	1,509	1,433	1,055	404
French Oceania	754	1,065	1,010	917	1,259	1,018	847	524
Other Oceania	153	284						
Africa	**24,638**	**69,729**	**109,596**	**107,088**	**116,713**	**130,535**	**92,365**	**59,961**
14. Mediterranean	**4,914**	**20,830**	**27,076**	**25,145**	**27,868**	**33,375**	**25,116**	**14,568**
Algeria and Tunisia	[14] 2,357	[14] 7,329	8,273	6,855	8,725	10,848	8,270	4,520
Canary Islands	752	2,110	3,042	2,343	3,259	2,766	3,010	1,930
Egypt	1,688	8,221	11,084	11,182	11,059	14,026	8,904	5,269
Italian Africa	50	63	56	55	80	65	65	72
Morocco	51	2,445	3,691	3,296	3,669	5,019	4,160	2,431
Spanish Africa, n. e. s.	17	661	929	1,414	1,076	651	707	346
15. Other Africa	**19,724**	**48,899**	**82,520**	**81,943**	**88,845**	**97,160**	**67,249**	**45,393**
Ethiopia		10	24	18	21	25	51	36
Belgian Congo	34	469	1,083	729	771	1,382	1,302	828
British Africa—								
West	[15] 3,189	7,835	11,781	13,777	13,454	12,381	9,379	5,122
Union of South Africa.	12,910	31,369	53,108	52,486	57,016	61,130	38,078	28,306
Other British South Africa.					2,077	2,622	1,051	300
East	708	2,306	4,723	4,843	4,890	5,417	4,487	2,092
Liberia	96	213	492	756	597	400	316	177
Madagascar	18	130	409	360	313	654	433	337
French Africa, n. e. s.	[14]	[14, 16] 2,350	4,037	2,928	3,353	4,824	5,013	2,868
Portuguese Africa	2,770	4,687						
Mozambique			5,350	4,872	5,008	6,055	5,857	4,060
Other			1,513	1,174	1,345	2,270	1,282	1,267
Latin America (groups 2, 3, 4, and 5).	**302,233**	**741,692**	**851,035**	**845,879**	**878,010**	**972,900**	**686,083**	**345,785**
Far East (groups 11, 12, 13)	**166,158**	**632,232**	**740,568**	**745,841**	**822,647**	**819,996**	**543,230**	**421,389**

[1] See headnote and Table 489.
[2] Average, 1911–1914.
[3] Irish Free State is included in United Kingdom prior to 1925.
[4] 1925 only.
[5] Figures given under Austria are for Austria-Hungary.
[6] Includes Ukraine for 1921–1924.
[7] Average for years 1926–1927. See note 9.
[8] Serbia and Montenegro.
[9] Includes Turkey in Europe beginning 1928.
[10] Includes Greece in Asia and Armenia and Kurdistan for 1921–1924.

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CHANDISE, BY CONTINENTS, COMMERCIAL REGIONS, AND COUNTRIES—Continued

thousands of dollars]

Imports								Country
1910–1914, average	1921–1925, average	1926–1930, average	1927	1928	1929	1930	1931	
								Asia—Continued.
1	235	124	142	34	29	219	236	11. Southern and Southeastern—Continued. French Indo-China.
19,430	80,108	114,114	115,980	115,609	125,792	109,390	87,133	Philippine Islands.
110	301	477	570	254	527	400	263	Siam.
68	94	119	174	----	----	8	1	Other Asia.
125,208	496,575	536,541	571,996	541,065	615,629	394,738	280,755	12. Eastern.
35,323	142,035	140,506	151,680	139,951	166,233	101,464	66,759	China.
3,054	15,937	12,062	14,785	13,567	11,665	9,002	5,829	Hong Kong.
98	2,739	3,362	2,688	3,021	4,827	2,809	1,223	Kwantung.
84,999	335,384	379,632	402,105	384,450	431,873	279,040	206,349	Japan.
1,734	480	977	738	76	1,031	2,423	595	Soviet Russia in Asia.[13]
17,276	53,994	53,137	54,531	53,450	56,557	32,791	19,120	13. Oceania.
12,312	37,534	33,072	38,627	31,577	31,968	17,451	12,504	Australia.
3,758	13,821	16,632	12,671	19,208	20,834	11,621	4,433	New Zealand.
118	864	1,556	1,069	1,182	2,027	2,048	835	British Oceania.
1,048	1,489	1,877	2,164	1,483	1,728	1,671	1,348	French Oceania.
40	286	----	----	----	----	----	----	Other Oceania.
22,573	71,499	91,207	93,255	90,207	108,608	67,547	32,888	Africa.
18,096	36,232	36,027	39,338	35,619	46,489	19,309	6,963	14. Mediterranean.
[14] 733	[14] 2,096	4,229	4,650	4,938	4,382	4,019	1,818	Algeria and Tunisia.
139	249	581	652	835	511	444	256	Canary Islands.
16,887	33,471	30,092	33,292	28,687	39,675	13,590	4,017	Egypt.
106	21	35	11	22	76	63	110	Italian Africa.
232	394	1,089	731	1,136	1,845	1,193	762	Morocco.
----	----	1	2	1	----	----	----	Spanish Africa, n. e. s.
4,477	35,267	55,181	53,917	54,588	62,119	48,238	25,925	15. Other Africa.
1	2	195	28	26	828	79	41	Ethiopia.
7	909	11,813	16,015	15,729	11,580	14,043	2,576	Belgian Congo.
[15] 749	12,843	23,245	23,945	22,168	30,000	20,316	12,476	British Africa— West.
2,463	9,292	10,875	8,742	9,120	9,638	6,939	4,404	Union of South Africa.
				61	18	33	86	Other British South Africa.
942	1,750	2,410	1,614	2,810	[11] 3,102	2,265	1,325	East.
2	29	180	362	104	101	52	29	Liberia.
33	207	246	108	217	326	307	143	Madagascar.
([14])	[14, 16] 775	1,817	1,630	1,201	2,466	2,590	2,296	French Africa, n. e. s.
280	9,615	----	----	----	----	----	----	Portuguese Africa.
----	----	4,311	1,300	3,071	4,047	1,572	2,501	Mozambique.
----	----	90	173	81	13	42	48	Other.
435,476	935,569	1,006,245	1,019,233	1,030,153	1,106,917	780,874	547,120	Latin America (groups 2, 3, 4, and 5).
262,233	975,594	1,214,783	1,284,415	1,180,587	1,301,768	864,323	574,248	Far East (groups 11, 12, 13).

[11] Other British East Indies prior to 1922.
[12] Included in other Netherland East Indies.
[13] Includes Far Eastern Republic reported separately for 1921–1924.
[14] Figures given under Algeria and Tunisia include French Africa, n. e. s., for years prior to 1922.
[15] Includes Kamerun.
[16] Average, 1922–1925.

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No. 497.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, AND DUTIES COLLECTED, BY CUSTOMS DISTRICTS

NOTE.—"Duties collected" are as reported to the Treasury Department by collectors, subject in certain cases to subsequent refund as well as drawback. These figures are somewhat higher than duties as calculated on the basis of imports for consumption as shown in Table 482

[All figures in thousands of dollars]

Customs district	Exports, domestic and foreign			Imports			Duties collected
	1929	1930	1931	1929	1930	1931	1931
Total	5,240,995	3,843,181	2,424,289	4,399,361	3,060,908	2,090,635	378,000
North Atlantic coast	2,077,395	1,529,441	974,765	2,733,618	1,854,477	1,312,565	260,147
Maine and New Hampshire	9,472	9,571	5,559	30,451	30,893	20,565	913
Massachusetts	40,763	33,633	26,082	290,394	176,199	105,103	25,503
Rhode Island	203	97	70	8,995	7,886	6,559	1,784
Connecticut	----------	1	45	7,514	4,344	2,693	580
New York	1,903,095	1,384,309	868,707	2,152,716	1,469,227	1,062,350	200,890
Philadelphia	123,862	101,830	74,302	243,547	165,928	115,296	30,477
South Atlantic coast	346,867	271,353	193,008	197,838	186,768	148,843	39,911
Maryland	84,231	53,840	34,440	116,569	103,736	77,389	12,327
Virginia	172,000	146,862	114,166	30,867	33,097	24,425	7,704
North Carolina	9,608	3,702	3,674	10,873	17,141	18,756	10,827
South Carolina	17,998	17,317	9,083	9,102	8,041	7,740	1,108
Georgia	57,912	45,563	28,472	18,698	14,435	12,659	6,219
Puerto Rico	5,118	4,069	3,172	11,729	10,319	7,874	[1] 1,726
Gulf coast	1,140,328	822,412	502,108	283,941	197,706	139,074	30,539
Florida	58,428	47,188	27,998	30,125	25,829	19,067	3,417
Mobile	55,509	38,859	25,714	10,706	10,747	7,116	1,021
New Orleans	384,570	273,358	145,626	208,431	137,640	96,209	18,753
Sabine	68,254	66,367	40,733	4,045	1,723	1,734	15
Galveston	573,567	396,640	262,038	30,635	21,767	14,948	7,333
Mexican border	115,663	101,953	47,959	39,595	26,087	13,857	3,627
San Antonio	92,418	81,715	38,176	7,177	4,358	2,461	407
El Paso	10,724	10,241	4,725	6,390	5,052	1,829	307
Arizona	12,522	9,996	5,058	26,028	16,676	9,568	2,913
Pacific coast	595,015	449,260	303,038	523,543	343,448	194,948	18,244
Washington	153,874	102,655	67,269	216,774	113,708	55,344	2,838
Oregon	66,060	46,787	28,508	19,700	10,977	5,535	816
San Francisco	206,018	147,568	112,257	212,678	155,564	85,776	8,463
Los Angeles	166,329	146,108	89,463	63,685	50,156	36,999	4,247
San Diego [2]	----------	3,803	4,036	----------	1,932	2,883	104
Alaska	607	347	315	954	1,710	547	16
Hawaii	2,126	1,992	1,189	9,753	9,400	7,864	1,760
Northern border	939,071	648,128	389,335	585,417	427,172	264,791	18,905
Vermont	67,537	46,390	29,472	56,193	48,112	26,019	721
St. Lawrence	81,210	62,314	41,180	114,686	73,993	47,927	870
Rochester	14,706	11,301	8,678	8,182	6,552	3,977	862
Buffalo	239,803	170,193	105,508	157,380	117,402	61,527	2,797
Ohio	36,562	31,370	20,657	29,495	18,008	9,484	2,601
Michigan	342,646	239,358	144,860	105,433	75,959	56,832	2,433
Chicago	8,178	6,586	2,729	52,583	39,542	29,669	7,293
Wisconsin	3,568	752	93	5,820	4,027	4,096	597
Duluth and Superior	55,201	21,365	13,047	25,731	21,638	13,973	190
Dakota	78,251	50,365	19,032	26,712	19,221	10,123	316
Montana and Idaho	11,408	8,135	4,079	3,201	2,718	1,162	225
Interior	----------	124	25	35,408	25,253	16,555	6,627
Pittsburgh	----------	----------	----------	9,233	8,830	6,652	2,337
Kentucky	----------	----------	----------	1,156	538	543	746
Tennessee	----------	----------	----------	794	358	358	88
Indiana	----------	----------	----------	2,173	1,111	973	381
Iowa	----------	----------	----------	242	188	156	86
Omaha	----------	----------	----------	1,205	676	385	277
St. Louis	----------	----------	----------	11,411	9,339	5,066	1,901
Minnesota	----------	124	25	7,598	3,270	1,841	592
Colorado	----------	----------	----------	1,497	872	520	170
Utah and Nevada	----------	----------	----------	99	71	60	49
Parcel post	26,656	20,510	14,050	----------	----------	----------	----------

[1] Total duties collected. This amount less the cost of collection is turned into the island treasury.
[2] Included in Los Angeles prior to June 20, 1930.

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No. 498.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY GROUPS OF CUSTOMS DISTRICTS

NOTE.—Fiscal years to and including 1915; thereafter, calendar years. All figures except export figures for 1865 and 1870–1878 represent specie values; exports for those years represent mixed gold and currency values and hence do not agree with the specie values given for total exports in other tables. Exports and imports of the interior districts, a small percentage of the total (see Table 497), are not included in this table

[All figures in thousands of dollars]

Year or yearly average	Atlantic coast		Gulf coast		Mexican border		Pacific coast		Northern border	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	160, 216	304, 577	153, 680	22, 303	1, 012	528	4, 981	7, 372	13, 688	18, 836
1865	257, 459	193, 741	3, 622	1, 476			10, 905	15, 948	16, 228	27, 580
1870	293, 440	370, 614	146, 020	16, 506	2, 213	959	14, 647	16, 241	15, 043	31, 639
1871–1875	390, 885	501, 968	122, 677	20, 099	2, 719	1, 440	21, 581	26, 039	22, 318	28, 328
1876–1880	533, 477	425, 404	107, 452	12, 430	3, 114	1, 707	33, 466	30, 326	25, 028	22, 703
1881–1885	589, 552	572, 760	114, 719	13, 834	4, 431	2, 200	50, 742	40, 285	32, 649	37, 141
1886–1890	548, 775	594, 176	112, 611	14, 204	3, 640	6, 413	42, 352	46, 455	31, 000	48, 514
1891–1895	655, 100	651, 233	140, 229	21, 407	8, 597	9, 619	44, 260	46, 683	44, 235	48, 245
1896–1900	813, 139	611, 207	188, 587	18, 356	15, 051	4, 579	60, 712	49, 627	79, 727	50, 247
1901–1905	923, 383	776, 744	297, 581	37, 652	25, 364	12, 931	81, 029	55, 747	126, 276	76, 141
1906–1910	1, 058, 483	1, 052, 156	408, 656	60, 901	33, 074	16, 980	86, 229	82, 813	192, 242	112, 757
1911–1915	1, 364, 246	1, 278, 953	513, 960	100, 153	22, 785	24, 708	135, 718	128, 019	333, 493	159, 878
1915–1920[1]	4, 234, 998	2, 245, 780	946, 560	185, 341	49, 361	41, 471	449, 906	429, 557	840, 366	432, 185
1921–1925	2, 207, 289	2, 296, 418	1, 088, 592	233, 228	73, 826	17, 117	374, 062	421, 082	653, 761	456, 922
1926–1930	2, 224, 224	2, 675, 493	1, 082, 472	275, 442	92, 606	30, 003	526, 059	485, 671	825, 539	535, 040
1888	522, 696	595, 776	104, 674	13, 865	3, 443	5, 712	36, 314	49, 187	28, 828	51, 263
1889	548, 011	609, 888	107, 600	17, 289	4, 401	8, 182	48, 847	51, 171	33, 543	51, 066
1890	628, 865	653, 535	141, 120	17, 821	5, 608	9, 353	45, 361	50, 993	36, 875	49, 540
1891	637, 454	697, 965	151, 941	23, 214	7, 541	11, 106	52, 583	53, 581	34, 962	49, 584
1892	753, 107	689, 458	174, 686	21, 750	6, 993	12, 501	55, 826	49, 988	39, 666	46, 010
1893	624, 278	717, 360	125, 592	24, 682	12, 152	13, 826	42, 230	48, 315	43, 413	52, 923
1894	670, 266	537, 644	126, 788	20, 681	7, 345	8, 229	34, 599	41, 241	53, 143	41, 693
1895	590, 393	613, 737	122, 138	16, 709	8, 955	2, 435	36, 061	40, 290	49, 991	51, 017
1896	635, 842	645, 204	131, 320	17, 548	10, 984	3, 687	44, 071	49, 174	60, 390	56, 153
1897	733, 205	639, 407	181, 269	19, 991	13, 999	4, 135	58, 925	43, 906	63, 596	50, 066
1898	862, 325	502, 146	201, 848	13, 063	12, 135	5, 065	74, 183	50, 264	80, 981	39, 478
1899	870, 755	576, 163	194, 390	17, 483	15, 820	4, 632	56, 204	45, 873	89, 404	45, 588
1900	963, 569	693, 113	234, 108	23, 693	22, 320	5, 378	70, 175	58, 916	104, 267	59, 948
1901	1, 002, 841	670, 622	285, 465	26, 670	21, 147	10, 142	69, 534	48, 203	107, 939	57, 120
1902	895, 445	724, 371	263, 079	31, 077	24, 231	13, 704	87, 515	54, 301	111, 441	67, 756
1903	904, 172	821, 252	285, 021	38, 378	25, 936	13, 377	79, 253	56, 475	125, 759	82, 054
1904	897, 106	779, 237	334, 795	43, 924	29, 261	12, 450	65, 723	57, 499	133, 942	83, 744
1905	917, 350	888, 239	319, 544	48, 210	26, 245	14, 981	103, 122	62, 257	152, 300	90, 030
1906	1, 061, 778	974, 563	368, 723	53, 984	34, 925	16, 945	101, 770	66, 324	176, 665	97, 928
1907	1, 079, 770	1, 133, 032	469, 273	62, 908	41, 101	18, 001	92, 030	91, 140	198, 674	109, 172
1908	1, 155, 761	907, 185	396, 552	59, 341	33, 101	10, 869	94, 207	81, 982	181, 147	114, 874
1909	976, 963	1, 018, 847	409, 631	59, 566	27, 136	16, 178	69, 949	85, 962	179, 329	112, 690
1910	1, 018, 144	1, 227, 155	399, 100	68, 705	29, 106	22, 911	73, 189	88, 657	225, 398	129, 123
1911	1, 166, 469	1, 163, 540	487, 929	82, 148	30, 397	20, 364	94, 261	102, 703	269, 890	137, 724
1912	1, 262, 679	1, 268, 101	463, 974	92, 245	27, 194	22, 512	127, 542	111, 488	322, 371	137, 882
1913	1, 348, 811	1, 375, 850	543, 077	103, 612	24, 903	27, 060	146, 856	128, 895	401, 998	153, 613
1914	1, 304, 109	1, 374, 621	566, 388	120, 372	16, 630	32, 803	136, 243	138, 151	341, 183	205, 273
1915	1, 739, 159	1, 212, 656	508, 435	102, 388	14, 801	20, 801	173, 686	158, 858	332, 020	164, 897
1915 (6 mos.)	1, 303, 840	638, 241	223, 556	44, 396	9, 766	13, 024	97, 319	105, 067	218, 381	105, 395
1916	3, 826, 425	1, 654, 404	624, 381	114, 298	23, 501	42, 970	337, 920	294, 973	670, 418	268, 982
1917	4, 287, 541	1, 798, 340	663, 341	144, 479	48, 420	46, 144	390, 024	539, 336	844, 186	404, 061
1918	3, 758, 942	1, 829, 544	776, 176	156, 390	47, 556	52, 414	538, 987	568, 563	1, 027, 428	403, 316
1919	5, 211, 140	2, 629, 614	1, 235, 148	220, 298	58, 021	35, 195	599, 000	463, 137	817, 116	529, 496
1920	4, 904, 606	3, 801, 648	1, 683, 476	339, 513	84, 220	38, 345	511, 233	391, 488	1, 044, 482	665, 760
1921	2, 378, 557	1, 726, 488	1, 076, 736	158, 231	103, 543	10, 113	311, 605	190, 308	614, 591	408, 411
1922	1, 938, 344	2, 024, 214	914, 466	188, 420	57, 012	11, 300	312, 357	430, 152	609, 598	440, 266
1923	2, 070, 261	2, 534, 277	991, 864	237, 570	59, 564	20, 155	371, 572	480, 679	674, 231	486, 843
1924	2, 245, 602	2, 357, 723	1, 164, 452	281, 881	73, 253	20, 343	447, 311	477, 302	638, 946	441, 717
1925	2, 403, 680	2, 839, 389	1, 295, 444	300, 038	75, 759	23, 673	427, 475	526, 969	681, 437	507, 373
1926	2, 308, 548	2, 953, 131	1, 120, 944	325, 614	72, 831	26, 317	518, 888	546, 102	759, 473	543, 493
1927	2, 297, 143	2, 774, 503	1, 100, 918	285, 373	77, 120	27, 623	506, 125	510, 569	856, 284	555, 002
1928	2, 290, 374	2, 677, 130	1, 227, 757	284, 576	95, 464	30, 394	561, 007	504, 695	924, 741	564, 119
1929	2, 424, 262	2, 931, 456	1, 140, 328	283, 941	115, 663	39, 595	595 015	523, 543	939, 071	585, 417
1930	1, 800, 794	2, 041, 245	822, 412	197, 706	101, 953	26, 087	449, 260	343, 446	648, 128	427, 172
1931	1, 167, 773	1, 461, 408	502, 108	139, 074	47, 959	13, 857	303, 038	194, 948	389, 335	264, 791

[1] Period July 1, 1915, to Dec. 31, 1920.

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No. 499.—EXPORTS (INCLUDING REEXPORTS) AND GENERAL IMPORTS OF MERCHANDISE, BY PRINCIPAL CUSTOMS DISTRICTS

NOTE.—**All figures in thousands of dollars.** Fiscal years to and including 1915; thereafter, calendar years. Figures represent specie values except for exports for years 1865 and 1870–1878. Areas of districts were rearranged July 1, 1913. Prior to that date some of the districts were more restricted. However, in most cases, this change only slightly affects the comparability of the figures. Prior to 1914 the statistics given in the table for Buffalo include the (former) districts of Buffalo Creek and Niagara; those for Michigan include the (former) districts of Superior, Huron, and Detroit; and those for Massachusetts and Maryland were the former districts of Boston and Baltimore, respectively. See also headnote, Table 498

Year or yearly average	Massachusetts		New York		Philadelphia		Maryland		Georgia	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	12,748	39,334	80,048	231,310	5,527	14,612	8,940	9,781	18,352	782
1865	19,862	24,390	202,509	152,249	11,053	7,038	12,141	4,816		
1870	14,126	47,484	196,615	281,049	16,928	14,483	14,511	19,512	29,747	1,002
1871–1875	25,334	59,165	257,564	383,499	24,907	22,809	21,631	27,966	30,749	807
1876–1880	47,545	45,732	321,999	331,362	45,503	24,360	50,007	19,098	20,591	484
1881–1885	64,752	64,684	357,502	453,943	39,145	32,807	51,007	13,801	22,191	702
1886–1890	61,519	62,591	322,039	467,009	33,042	44,150	51,657	12,868	22,619	354
1891–1895	83,827	68,510	360,521	503,284	43,432	57,617	75,026	14,873	25,020	387
1896–1900	110,895	69,025	433,950	477,123	56,495	43,284	98,725	12,390	27,214	377
1901–1905	102,378	80,132	511,464	597,139	73,588	53,972	88,505	22,211	51,684	933
1906–1910	88,467	113,207	639,080	798,313	88,842	74,278	91,931	30,252	60,781	2,352
1911–1915	76,794	141,012	913,312	975,410	74,238	86,261	107,095	30,196	84,022	4,882
1916–1920[1]	217,236	273,049	2,912,529	1,703,482	415,261	144,849	320,396	42,282	139,812	16,745
1921–1925	55,559	257,227	1,611,328	1,675,784	117,833	182,857	113,995	77,686	71,832	19,714
1926–1930	40,666	267,496	1,689,191	1,967,949	100,406	205,098	93,543	109,108	73,099	17,814
1888	56,457	63,898	310,627	470,427	28,846	41,772	46,237	11,742	20,256	294
1889	66,834	66,731	319,839	472,154	29,775	48,529	50,612	15,224	17,865	374
1890	71,202	62,877	349,052	516,427	37,411	53,936	73,984	13,140	30,884	472
1891	77,020	71,213	346,529	537,786	33,674	59,428	64,412	20,556	33,506	516
1892	87,176	71,780	413,953	536,538	58,541	60,007	98,850	13,419	25,704	302
1893	85,460	79,358	347,396	548,559	49,402	66,122	71,507	16,151	19,840	338
1894	83,972	53,309	369,146	415,796	40,501	53,727	78,422	11,979	25,527	353
1895	85,505	66,889	325,580	477,741	35,043	48,803	61,939	12,261	20,524	426
1896	95,851	79,180	354,275	499,933	39,567	43,841	66,399	13,477	21,409	274
1897	100,857	90,178	391,680	480,604	47,305	48,073	85,693	11,371	23,443	416
1898	117,532	51,475	445,516	402,281	56,244	31,420	118,846	8,907	28,938	392
1899	128,037	52,098	459,444	465,560	60,950	41,223	107,156	9,151	24,030	376
1900	112,196	72,196	518,834	537,237	78,406	51,866	115,530	19,045	38,252	430
1901	143,708	61,452	529,593	527,260	79,354	48,043	106,239	18,899	46,739	645
1902	102,404	71,921	490,362	559,931	80,383	47,750	80,533	22,825	41,525	572
1903	88,126	86,311	505,830	618,706	73,532	59,995	81,704	27,803	54,141	1,037
1904	89,846	80,658	506,808	600,171	71,393	53,890	82,836	20,346	53,770	924
1905	87,804	100,318	524,726	679,629	63,278	60,181	91,215	21,181	62,245	1,489
1906	98,740	106,442	607,160	734,351	82,564	70,801	109,925	30,085	64,840	1,503
1907	100,872	124,433	627,950	853,697	94,832	79,870	104,809	37,774	63,040	2,204
1908	96,051	93,679	701,063	688,216	109,261	63,432	89,989	29,477	61,695	2,044
1909	76,158	112,473	607,239	779,309	84,286	68,884	77,551	24,022	50,900	2,152
1910	70,517	129,006	651,986	935,991	73,266	88,403	77,382	29,901	63,428	3,855
1911	71,534	116,597	772,552	881,593	69,956	83,627	85,121	32,174	72,076	5,297
1912	69,692	129,293	817,946	975,744	69,070	85,038	92,211	26,438	104,287	5,130
1913	69,553	146,599	917,936	1,048,321	76,315	93,210	116,474	32,895	58,235	4,462
1914	65,715	159,916	864,546	1,040,381	65,183	96,483	109,690	34,489	110,595	6,270
1915	107,476	152,654	1,193,581	931,011	90,666	72,948	131,978	24,983	74,919	3,251
1915 (6 mos.)	53,707	81,345	1,026,310	498,617	77,689	31,420	57,647	11,938	20,262	859
1916	183,953	202,990	2,790,403	1,257,185	317,134	111,411	291,168	38,942	68,638	1,684
1917	208,532	229,404	2,901,138	1,361,662	502,224	102,244	377,376	36,963	107,777	4,888
1918	221,315	295,915	2,560,857	1,294,415	425,072	115,011	300,717	35,983	111,391	15,001
1919	334,487	299,365	3,456,329	2,064,654	519,564	153,819	353,713	38,900	258,682	15,397
1920	192,802	392,753	3,283,873	2,892,621	442,250	282,763	381,557	69,824	202,014	54,269
1921	60,251	164,922	1,730,256	1,332,265	130,672	122,302	142,810	41,124	64,124	9,986
1922	50,545	238,507	1,375,396	1,484,685	126,477	154,332	124,941	60,069	67,673	14,072
1923	52,159	307,288	1,518,852	1,797,820	106,507	219,710	93,436	91,836	51,493	28,928
1924	57,346	253,852	1,657,698	1,690,003	106,444	202,597	100,172	100,494	77,337	22,666
1925	47,494	321,567	1,774,436	2,074,149	119,064	215,343	108,614	94,906	98,534	22,917
1926	41,283	305,879	1,662,538	2,224,964	97,005	195,823	129,348	106,241	104,594	19,490
1927	42,181	288,499	1,726,110	2,042,783	90,911	204,500	101,323	108,967	97,228	18,056
1928	45,470	276,512	1,769,904	1,950,058	88,424	215,692	98,974	110,026	60,199	18,394
1929	40,763	290,394	1,903,095	2,152,716	123,862	243,547	84,231	116,569	57,912	18,698
1930	33,633	176,199	1,384,309	1,469,227	101,830	165,928	53,840	103,736	45,563	14,435
1931	26,082	105,103	868,707	1,062,350	74,302	115,296	34,440	77,389	28,472	12,659

[1] Period July 1, 1915, to Dec. 31, 1920.

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No. 499.—Exports (Including Reexports) and General Imports of Merchandise, by Principal Customs Districts—Continued

[All figures in thousands of dollars]

Year or yearly average	New Orleans		Galveston		Buffalo		Chicago		Michigan	
	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports	Exports	Imports
1860	108,165	20,636	5,772	533	3,049	4,850	1,165	60	3,827	961
1865	3,582	1,464			991	7,118	4,590	311	2,877	1,441
1870	107,587	14,377	14,874	509	353	9,275	2,613	736	3,116	1,736
1871–1875	90,675	16,694	15,768	1,612	739	7,145	5,053	911	6,314	2,461
1876–1880	78,894	9,796	15,214	1,155	578	5,979	3,389	474	9,915	2,994
1881–1885	86,165	10,683	21,011	1,982	412	8,304	3,223	2,717	13,969	5,136
1886–1890	87,059	11,707	18,319	663	483	9,926	2,013	12,260	15,664	5,375
1891–1895	93,628	18,583	36,707	776	4,673	7,069	3,054	15,853	16,729	6,081
1896–1900	99,832	13,833	65,432	1,385	15,077	6,030	4,796	12,936	26,018	5,609
1901–1905	147,174	28,215	114,840	2,055	30,760	8,465	5,043	18,150	39,045	7,973
1906–1910	153,171	45,945	185,524	4,717	47,483	12,562	4,564	24,766	62,736	13,426
1911–1915	179,038	78,668	241,254	7,611	82,712	24,321	10,341	32,000	102,360	20,967
1915–1920[1]	428,107	149,070	346,984	15,930	198,686	88,161	21,379	40,133	294,375	61,893
1921–1925	391,342	167,731	523,904	30,066	162,606	77,517	27,681	46,066	211,729	76,859
1926–1930	363,633	201,668	548,254	31,598	209,103	136,663	11,865	48,914	292,545	93,297
1888	81,257	11,618	15,703	716	476	10,357	1,632	12,721	13,645	5,534
1889	83,829	14,492	15,576	723	489	11,230	2,181	13,100	18,613	5,867
1890	108,127	14,658	24,447	416	588	9,726	2,481	13,590	19,399	5,389
1891	109,107	20,267	33,772	648	732	8,809	2,340	15,303	16,510	5,933
1892	131,253	18,910	35,386	1,317	730	7,688	3,678	14,976	17,928	5,297
1893	77,838	21,790	37,476	863	3,022	7,511	4,084	18,448	15,903	6,977
1894	81,529	18,088	35,012	681	9,246	4,473	3,610	15,486	16,700	6,284
1895	68,413	13,862	41,887	370	9,638	6,858	1,558	15,053	16,604	5,915
1896	80,987	13,471	36,397	603	10,799	5,968	1,293	15,546	22,928	6,650
1897	101,494	16,619	58,198	779	10,818	7,189	2,310	11,528	22,273	6,381
1898	112,827	9,664	68,429	1,166	14,571	5,385	7,489	10,141	23,606	5,002
1899	87,993	11,918	78,477	2,921	14,989	5,449	7,675	12,154	28,725	4,657
1900	115,859	17,491	85,658	1,454	24,206	6,959	5,212	15,310	32,559	5,353
1901	152,777	20,462	101,857	954	23,629	6,726	10,030	14,532	33,742	6,232
1902	134,487	23,763	96,722	969	25,121	8,233	5,093	16,861	34,735	7,630
1903	149,073	28,881	104,121	1,511	28,696	8,973	4,551	20,122	40,328	8,566
1904	148,595	34,037	145,316	1,848	35,601	7,980	2,322	21,088	41,688	8,480
1905	150,937	33,933	126,182	4,992	40,755	10,413	3,221	18,145	44,733	8,957
1906	150,479	39,465	166,318	5,019	44,207	10,132	2,581	22,210	57,750	10,998
1907	170,562	46,047	237,308	7,029	48,750	11,744	4,013	25,017	64,865	11,515
1908	159,456	42,786	161,352	5,694	46,460	11,316	4,925	26,172	61,108	14,537
1909	144,982	45,713	189,464	3,355	42,891	13,065	4,775	23,671	60,161	14,172
1910	140,377	55,712	173,179	2,488	55,109	16,553	6,529	26,761	69,794	15,909
1911	172,835	66,722	220,505	3,531	67,279	18,973	6,916	30,586	81,898	17,031
1912	149,161	75,090	218,146	4,310	81,543	20,506	7,665	28,749	96,941	16,815
1913	169,980	82,399	281,458	7,821	103,103	20,405	4,869	32,537	112,641	19,687
1914	193,840	89,383	255,768	12,245	87,676	30,306	8,688	38,631	102,573	26,347
1915	209,373	79,745	230,392	10,148	73,959	31,415	23,565	29,498	117,747	24,956
1915 (6 mos.)	91,583	35,976	92,370	2,814	50,015	20,126	7,835	14,018	84,852	14,225
1916	266,662	92,041	252,545	8,373	184,619	41,421	3,990	29,006	222,663	32,575
1917	320,891	116,249	220,229	13,979	212,820	105,612	4,419	27,008	279,143	54,131
1918	399,997	124,258	226,834	14,013	208,340	99,915	69,019	40,301	379,158	57,231
1919	563,073	177,286	467,183	17,704	199,051	96,378	6,524	45,804	297,029	74,896
1920	712,380	274,073	649,253	30,730	237,930	121,436	25,800	64,504	356,220	107,351
1921	423,043	110,283	452,911	18,858	154,169	59,241	45,230	41,491	177,901	63,052
1922	353,282	129,756	417,142	21,160	146,021	70,283	38,506	46,914	205,977	65,442
1923	301,416	171,620	530,540	32,962	178,818	70,316	13,997	45,555	226,590	90,019
1924	411,691	205,974	579,509	41,487	156,256	72,247	26,415	45,739	195,902	81,537
1925	467,279	221,023	639,418	35,862	177,764	115,496	14,259	50,630	252,274	84,247
1926	413,793	238,805	533,325	38,906	191,676	125,668	17,843	50,478	272,375	101,682
1927	370,607	211,684	554,893	35,883	219,904	137,936	17,718	51,585	279,907	91,314
1928	375,837	211,783	682,346	30,801	223,938	144,928	9,002	50,381	328,439	92,099
1929	384,570	208,431	573,567	30,635	239,803	157,380	8,178	52,583	342,646	105,433
1930	273,358	137,640	396,640	21,767	170,193	117,402	6,586	39,542	239,358	75,959
1931	145,626	96,209	262,038	14,948	105,508	61,527	2,729	29,669	144,860	56,832

[1] Period July 1, 1915, to Dec. 31, 1920.

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No. 499.—Exports (Including Reexports) and General Imports of Merchandise, by Principal Customs Districts—Continued

Year or yearly average	San Francisco		Washington		Year or yearly average	San Francisco		Washington	
	Exports	Imports	Exports	Imports		Exports	Imports	Exports	Imports
1860	4,868	7,367	63		1903	33,503	36,454	32,500	12,177
1865	9,988	15,802	633	12	1904	32,547	37,543	22,730	11,285
1870	13,992	15,983	428	35	1905	49,924	46,676	43,843	7,378
1871–1875	19,476	25,459	497	30	1906	39,915	44,433	49,235	13,614
1876–1880	27,718	29,798	486	33	1907	33,027	54,095	43,659	25,353
1881–1885	41,740	39,109	1,647	109	1908	28,000	48,251	44,033	22,209
1886–1890	33,035	44,344	2,708	417	1909	31,669	49,998	25,788	26,960
1891–1895	32,365	43,557	5,627	1,068	1910	31,181	49,351	30,121	28,910
1896–1900	36,607	40,443	13,948	6,399	1911	40,625	53,885	39,361	36,655
1901–1905	37,751	38,188	30,708	9,907	1912	49,250	59,235	63,746	39,011
1906–1910	32,758	49,226	38,567	23,409	1913	66,021	62,502	62,548	51,474
1911–1915	60,154	63,760	57,711	50,200	1914	63,375	67,111	55,012	55,392
1915–1920[1]	186,317	197,613	222,702	206,862	1915	81,501	76,068	67,888	68,467
1921–1925	158,275	155,500	110,361	214,213	1915 (6 mos.)	41,807	42,290	46,161	55,933
1926–1930	183,236	195,351	136,886	212,134	1916	126,758	117,128	200,448	161,780
1888	27,685	46,693	2,251	407	1917	175,136	231,979	196,932	289,078
1889	37,673	48,426	4,069	362	1918	214,695	245,519	296,166	300,954
1890	36,876	48,751	3,326	305	1919	240,518	238,027	292,274	195,919
1891	40,169	50,943	5,729	477	1920	225,828	211,928	192,880	134,079
1892	40,737	47,136	6,566	573	1921	129,111	97,129	90,327	58,539
1893	31,144	45,291	5,093	840	1922	145,099	170,815	90,071	218,218
1894	24,903	38,147	4,942	1,230	1923	160,432	166,685	116,088	262,156
1895	24,873	36,270	5,805	2,222	1924	173,442	146,335	134,760	270,284
1896	31,583	41,400	6,855	5,484	1925	183,292	196,537	120,557	261,870
1897	39,648	34,376	11,865	7,066	1926	186,773	210,139	147,570	261,880
1898	41,224	42,823	17,919	5,058	1927	174,555	199,999	129,513	239,284
1899	30,215	35,747	15,200	7,240	1928	201,265	198,275	150,817	229,024
1900	40,368	47,870	17,903	7,149	1929	206,018	212,678	153,874	216,774
1901	34,597	35,162	20,679	6,721	1930	147,568	155,564	102,655	113,708
1902	38,184	35,103	33,789	11,971	1931	112,257	85,776	67,269	55,344

[1] Period July 1, 1915, to Dec. 31, 1920.

No. 500.—IMPORTED DUTIABLE MERCHANDISE ENTERED FOR CONSUMPTION: By Tariff Schedules

Note.—**All money figures in thousands of dollars.** Data cover fiscal years through 1918, calendar thereafter. Per cents represent average ad valorem rate or ratio of duties to values of dutiable merchandise

Year	Schedule 1.—Chemicals, oils, and paints			Schedule 2.—Earths, earthenware, and glassware			Schedule 3.—Metals, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1906	33,482	9,665	28.87	26,590	13,749	51.71	50,917	18,770	36.86
1907	40,246	11,124	27.64	31,306	15,350	49.03	67,149	21,882	32.59
1908	39,127	10,530	26.91	26,224	13,251	50.53	45,280	16,004	35.34
1909	42,937	11,218	26.13	21,148	10,642	50.32	41,103	15,656	38.09
1910	42,022	11,072	26.41	24,774	12,468	50.33	66,961	22,333	33.35
1911	48,869	12,564	25.71	24,495	12,669	51.72	58,757	18,869	32.11
1912	47,236	12,240	25.91	21,994	11,156	50.72	50,492	17,346	34.35
1913	49,387	13,017	26.36	23,002	11,385	49.50	64,300	20,514	31.90
1914	60,314	13,100	21.72	25,222	10,187	40.39	50,743	12,190	24.02
1915	54,098	11,222	20.74	18,142	6,805	37.51	31,836	6,990	21.96
1916	52,806	9,309	17.63	13,024	4,677	35.91	33,245	6,309	18.98
1917	65,614	12,056	18.37	13,531	4,614	34.10	33,914	7,038	20.75
1918	65,762	10,507	15.98	13,444	4,707	35.01	33,227	6,813	20.51
1918 (6 months)	27,216	4,308	15.83	5,783	2,065	35.71	16,622	3,451	20.76
1919	108,151	13,922	12.87	14,933	5,009	33.55	43,186	8,672	20.08
1920	120,319	15,335	12.75	30,257	9,241	30.54	83,337	16,677	20.01
1921	64,753	14,144	21.84	28,591	9,864	34.50	62,793	13,672	21.77
1922	88,471	22,102	24.98	40,526	14,001	34.56	82,105	20,468	24.93
1923	90,123	26,989	29.95	60,182	23,526	39.09	103,307	35,013	33.89
1924	77,015	24,492	31.80	54,481	22,098	40.56	96,768	35,240	36.21
1925	93,746	27,465	29.30	56,391	24,529	43.50	113,684	38,961	34.27
1926	98,328	28,681	29.17	61,089	28,908	47.32	147,010	48,528	33.01
1927	98,312	27,997	28.48	58,260	28,217	48.43	135,403	47,179	34.84
1928	92,633	28,011	30.24	53,321	25,865	48.51	131,921	46,251	35.06
1929	110,452	33,910	30.70	55,304	27,014	48.85	154,022	54,654	35.48
1930	73,337	25,859	35.26	41,646	20,524	49.28	97,214	36,367	37.41
1931	52,913	20,279	38.32	25,694	13,421	52.23	58,518	23,062	39.41

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No. 500.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 4.—Wood, and manufactures of			Schedule 5.—Sugar, molasses, and manufactures of			Schedule 6.—Tobacco, and manufactures of		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1906	22,761	3,650	16.04	86,133	52,649	61.12	22,917	23,928	104.41
1907	24,472	3,701	15.12	92,784	60,339	65.03	29,959	26,125	87.20
1908	23,350	3,301	14.14	83,627	50,168	59.99	26,495	22,160	83.64
1909	23,285	3,141	13.49	93,479	56,414	60.35	27,332	23,269	85.14
1910	27,489	3,185	11.59	101,587	53,105	52.28	29,581	24,124	81.55
1911	24,710	2,960	11.98	97,877	52,809	53.95	29,788	26,160	87.82
1912	24,415	3,043	12.46	105,745	50,951	48.18	31,116	25,572	82.18
1913	27,851	3,408	12.24	91,448	53,482	58.48	32,438	26,748	82.46
1914	12,182	1,619	13.29	108,255	61,870	57.15	32,332	26,892	83.17
1915	4,457	709	15.90	157,571	49,608	31.48	29,499	24,875	84.33
1916	4,583	660	14.40	205,512	55,876	27.19	30,195	27,581	91.34
1917	5,207	756	14.52	243,354	55,471	22.79	37,300	29,837	79.99
1918	4,412	636	14.41	240,380	49,093	20.42	31,963	21,961	68.76
1918 (6 months)	1,675	218	12.99	87,180	18,250	20.93	20,309	12,270	60.42
1919	6,090	852	13.99	387,283	68,609	17.72	51,609	27,563	53.41
1920	13,367	1,979	14.81	926,467	79,536	8.58	63,816	33,695	52.80
1921	9,894	1,546	15.63	233,451	71,325	30.55	66,614	35,950	53.97
1922	13,174	2,373	18.02	232,941	147,969	63.52	62,415	31,789	50.93
1923	18,230	4,001	21.95	353,873	128,064	36.19	64,881	35,831	55.22
1924	18,115	4,161	22.97	337,862	135,906	40.23	67,530	33,941	50.26
1925	18,570	4,164	22.42	221,347	139,103	62.84	69,943	35,428	50.65
1926	18,004	4,307	23.92	205,659	146,591	71.28	70,789	38,076	53.79
1927	19,879	4,535	22.81	222,703	131,199	58.91	68,632	40,016	58.31
1928	16,917	4,191	24.77	174,760	118,572	67.85	62,319	39,315	63.09
1929	17,411	4,301	24.70	156,232	131,190	83.97	60,116	39,105	65.05
1930	17,140	3,557	20.75	116,844	116,809	99.97	56,152	40,141	71.49
1931	12,749	2,389	18.73	74,819	99,631	133.16	43,201	32,310	74.78
	Schedule 7.—Agricultural products and provisions			Schedule 8.—Spirits, wines, and other beverages			Schedule 9.—Cotton manufactures		
1906	53,869	18,127	33.65	19,669	14,010	71.22	26,656	12,293	46.12
1907	63,721	19,204	30.14	23,083	16,318	70.69	31,857	14,285	44.84
1908	69,610	21,619	31.06	21,420	15,213	71.02	31,577	13,878	43.95
1909	71,719	23,633	32.95	23,382	16,144	69.05	26,228	11,666	44.48
1910	84,873	25,161	29.64	25,316	18,114	71.55	28,311	13,619	48.11
1911	105,974	28,744	27.12	20,355	17,299	84.99	26,204	12,326	47.04
1912	117,711	34,146	29.01	20,731	17,410	83.98	24,358	11,085	45.51
1913	99,798	27,755	27.81	22,372	19,476	87.05	25,057	11,062	44.14
1914	122,305	24,817	20.29	21,764	19,675	90.40	32,529	9,260	28.47
1915	87,673	18,036	20.57	14,393	13,405	93.14	24,065	6,442	26.31
1916	94,635	16,164	17.08	17,330	15,551	89.73	24,245	5,969	24.62
1917	132,718	17,916	13.50	18,612	13,586	73.00	36,417	8,260	22.68
1918	125,360	14,595	11.64	10,563	7,038	66.63	30,947	6,872	22.21
1918 (6 months)	49,322	5,547	11.25	3,109	1,628	52.36	13,622	3,106	22.80
1919	161,168	15,803	9.80	2,338	1,194	51.08	33,220	7,716	23.23
1920	253,569	24,521	9.70	2,543	1,157	45.52	89,275	21,185	23.74
1921	156,497	26,206	16.75	3,197	1,515	47.37	58,414	15,242	26.09
1922	199,479	42,505	21.31	2,657	1,111	41.83	73,335	20,017	27.34
1923	236,976	61,578	25.98	1,371	613	44.67	68,207	21,946	32.18
1924	235,198	60,093	25.55	1,065	431	40.47	59,981	18,083	30.15
1925	259,917	60,568	23.30	1,161	492	42.38	49,999	15,347	30.69
1926	270,063	64,373	23.84	1,150	450	39.13	39,842	13,666	34.30
1927	284,253	64,072	22.54	1,350	465	34.44	40,461	14,561	35.99
1928	282,375	64,140	22.71	1,346	483	35.88	42,456	15,681	36.93
1929	297,161	68,055	22.90	1,571	544	34.63	42,855	15,627	36.46
1930	213,035	59,595	27.97	1,363	430	31.55	33,282	13,457	40.43
1931	134,337	56,613	42.14	1,273	376	29.53	28,653	13,595	47.44

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No. 500.—Imported Dutiable Merchandise Entered for Consumption: By Tariff Schedules—Continued

[All figures except percentages in thousands of dollars]

Year	Schedule 10.—Flax, hemp, and jute, and manufactures of [2]			Schedule 11.—Wool, and manufactures of [1]			Schedule 12.—Silks and manufactures of [2 3]		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1906	92,055	41,777	45.38	63,265	37,969	60.02	32,592	17,351	53.24
1907	114,124	49,891	43.72	62,832	36,561	58.19	38,817	20,314	52.33
1908	96,177	41,922	43.59	45,822	28,845	62.95	31,755	16,493	51.94
1909	91,210	42,145	46.21	52,814	33,365	63.17	31,001	16,284	52.53
1910	106,375	49,735	46.75	70,745	41,905	59.23	32,296	17,024	52.71
1911	99,402	47,053	47.34	48,395	28,983	59.89	30,994	16,053	51.80
1912	108,698	49,062	45.14	48,361	27,072	55.98	26,572	13,695	51.54
1913	116,587	48,912	41.95	45,336	25,833	56.98	29,224	14,812	50.68
1914	56,471	19,913	35.26	39,265	16,957	43.19	34,040	15,377	45.17
1915	30,051	8,795	29.27	30,438	9,912	32.56	23,098	9,810	42.47
1916	30,944	8,619	27.85	18,353	6,129	33.39	28,305	11,928	42.14
1917	29,130	8,209	28.19	21,184	7,081	33.43	35,124	14,655	41.72
1918	26,587	7,200	27.08	27,048	8,956	33.11	24,474	10,067	41.13
1918 (6 months)	10,873	2,682	24.67	9,827	2,962	30.14	10,749	4,308	40.07
1919	27,187	6,553	24.10	18,123	5,695	31.42	49,684	20,276	40.81
1920	52,926	13,362	25.25	49,800	16,720	33.57	55,793	21,773	39.02
1921	36,828	10,118	27.47	52,410	18,307	34.93	45,055	18,576	41.23
1922	63,505	15,999	25.19	79,956	48,225	60.31	36,653	16,622	45.35
1923	121,126	24,632	20.34	162,016	91,466	56.45	40,794	21,692	53.18
1924	117,216	26,121	22.28	123,904	62,582	50.51	33,234	17,629	53.05
1925	143,723	25,684	17.87	162,458	71,019	43.71	40,304	21,388	53.07
1926	145,168	26,737	18.42	148,187	73,965	49.91	44,138	24,074	54.54
1927	126,524	26,525	20.96	127,707	67,219	52.64	51,293	28,815	56.18
1928	135,769	25,088	18.48	115,181	57,172	49.64	48,739	27,810	57.06
1929	129,409	24,600	19.01	121,636	61,815	50.82	47,156	27,349	58.00
1930	95,570	20,571	21.52	70,357	40,877	58.10	23,073	13,418	58.16
1931	57,780	15,927	27.56	32,339	24,483	75.70	13,395	7,936	59.24

Year	Schedule 13.—Rayon, and other synthetic textiles and manufactures of [2]			Schedule 14.—Papers and books			Schedule 15.—Sundries [2]		
	Values	Duties	Per cent	Values	Duties	Per cent	Values	Duties	Per cent
1906				14,174	3,021	21.31	119,640	26,601	22.23
1907				20,005	4,136	20.67	133,093	29,892	22.45
1908				22,335	4,415	19.75	94,616	24,475	25.87
1909				22,765	4,412	19.39	113,862	26,387	23.17
1910				24,833	5,285	21.28	120,594	29,134	24.16
1911				26,111	5,645	21.62	109,050	27,448	25.17
1912				22,828	4,887	21.41	108,953	26,932	24.72
1913				24,899	5,091	20.45	128,018	30,759	24.03
1914				13,999	3,114	22.25	144,588	48,539	33.57
1915				9,386	1,989	21.19	100,817	37,159	36.86
1916				6,491	1,258	19.38	123,485	39,496	31.98
1917				8,036	1,682	20.92	134,558	40,286	29.94
1918				6,368	1,185	18.60	106,803	30,568	28.62
1918 (6 months)				2,759	460	16.67	44,035	12,653	28.73
1919				6,797	1,106	16.27	206,447	54,433	26.37
1920				10,488	1,749	16.68	233,908	68,704	29.37
1921				8,902	1,672	18.78	165,192	54,222	32.82
1922				12,806	2,776	21.67	197,513	65,370	33.09
1923				19,217	4,667	24.29	226,319	86,647	38.29
1924				18,729	4,813	25.70	215,846	86,695	40.17
1925				18,682	4,416	23.60	217,279	83,288	38.33
1926				21,463	5,241	24.42	229,078	86,448	37.74
1927				22,138	5,417	24.47	226,117	88,624	39.19
1928				25,910	7,881	30.42	215,657	81,810	37.94
1929				24,089	6,099	25.32	241,030	90,509	37.55
1930				19,428	5,024	25.86	174,513	65,156	37.34
1931	3,854	2,377	61.67	12,927	3,361	25.99	144,310	55,011	38.12

[1] Laces, embroideries, etc., of flax, wool, silk, and rayon are included in Schedule 15, beginning 1914.
[2] Schedules 12 and 13 prior to 1931.

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No. 501.—IN TRANSIT AND TRANSSHIPMENT TRADE OF THE UNITED STATES: BY CONTINENTS AND PRINCIPAL COUNTRIES

[Values in thousands of dollars]

Year ended Dec. 31	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to	Received from	Shipped to
	North America		South America		Europe		Asia and Oceania	
1923	298,846	70,536	14,978	16,325	28,245	246,098	17,139	21,822
1924	252,056	67,188	16,543	18,058	22,350	194,974	15,596	21,447
1925	332,984	68,471	15,753	28,160	27,274	262,640	15,954	26,832
1926	300,070	82,115	14,995	32,413	25,918	219,952	24,097	25,994
1927	371,419	91,285	17,050	30,908	30,552	274,524	14,735	29,631
1928	286,994	174,215	15,811	23,117	101,755	198,741	19,719	22,915
1929	288,133	81,055	11,142	29,912	29,298	192,858	17,793	32,737
1930	204,095	74,202	12,598	21,941	27,130	142,442	17,930	17,507
1931	123,497	45,571	11,367	14,784	23,663	99,223	13,323	8,242
	Africa		Canada		Mexico		Cuba	
1923	1,145	5,572	273,861	36,755	8,018	7,987	6,728	14,630
1924	651	5,529	226,410	32,271	9,383	9,803	6,001	13,841
1925	905	6,768	308,133	24,701	9,165	9,731	6,953	18,076
1926	1,614	6,219	275,891	37,748	7,849	11,574	7,318	17,554
1927	1,807	9,215	338,611	38,069	13,339	12,502	10,010	23,427
1928	2,465	7,756	252,359	132,403	15,554	11,966	8,455	13,428
1929	1,219	11,007	249,082	36,293	22,886	11,288	6,149	17,095
1930	1,818	7,479	167,736	34,181	20,236	11,250	6,456	14,752
1931	543	4,573	95,431	17,557	16,760	7,391	3,987	7,812
	Argentina		Peru		United Kingdom		Belgium	
1923	3,683	7,218	6,142	285	16,602	104,018	798	15,509
1924	3,342	8,197	6,621	474	11,273	96,822	808	14,442
1925	2,378	12,206	7,500	968	13,050	121,729	1,085	16,453
1926	3,610	10,446	5,349	1,287	10,875	92,081	1,613	16,139
1927	3,906	13,117	7,211	1,408	11,177	149,926	3,277	13,682
1928	4,996	8,536	3,743	1,748	61,832	100,773	3,399	12,186
1929	2,745	10,285	3,055	1,593	11,678	90,389	1,636	8,890
1930	2,901	7,358	5,111	1,629	9,095	64,513	1,953	10,274
1931	1,563	2,354	4,950	1,496	9,574	37,743	1,157	7,418
	France		Netherlands		Germany		Italy	
1923	2,450	16,526	2,140	28,653	1,707	18,198	1,638	27,464
1924	1,751	13,495	2,776	13,221	2,047	21,858	1,348	15,544
1925	2,057	14,477	3,808	17,546	2,969	30,925	2,021	22,671
1926	1,712	7,832	3,038	22,221	3,842	32,922	1,700	12,670
1927	1,630	14,098	3,645	22,123	5,482	29,235	1,953	18,950
1928	4,813	13,588	6,463	14,123	11,199	27,025	4,718	12,614
1929	1,400	15,783	3,491	16,050	5,387	27,501	1,718	10,168
1930	1,461	7,913	3,843	13,786	5,842	18,447	1,698	7,811
1931	2,214	13,607	3,054	8,261	4,311	14,654	1,238	7,046

No. 502.—IN TRANSIT AND TRANSSHIPMENT TRADE: BY CUSTOMS REGIONS THROUGH WHICH SHIPPED

[Values in thousands of dollars]

Year ended Dec. 31	Total	Atlantic Coast				Gulf coast	Mexican border	Pacific coast	Northern border
		Total[1]	Maine and New Hampshire	New York	Philadelphia				
1923	360,354	313,754	30,787	215,601	30,179	1,176	2,516	14,546	28,361
1924	307,197	261,586	15,561	196,345	21,320	580	4,491	17,681	22,858
1925	392,871	356,535	13,491	275,581	38,497	170	3,006	16,595	16,565
1926	366,693	314,645	15,296	241,480	24,327	235	3,912	21,987	25,915
1927	435,564	333,512	10,575	266,704	26,774	2,265	5,236	22,760	71,791
1928	426,744	307,778	5,372	248,764	17,300	8,380	3,404	15,770	91,411
1929	347,569	274,611	3,785	234,405	11,182	9,866	9,566	17,177	36,367
1930	263,571	198,318	2,326	178,633	7,596	5,728	11,456	15,541	32,529
1931	172,393	132,444	1,330	121,113	2,347	3,710	9,528	12,553	14,158

[1] Includes districts not specified.

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No. 503.—VALUE OF PRINCIPAL ARTICLES

NOTE.—Specie values except for 1865, and 1870–1878; for those years mixed gold and currency values. thereafter. In some cases blanks represent entire absence

[All figures in thou

Year or yearly average	Meat products	Animal fats and oils	Leather	Rye (including flour)	Wheat (including flour)	Oil cake and meal	Fruits and nuts	Rubber and manufactures	Naval stores, gums, and resins	Tobacco, unmanufactured
1821					4,476				315	5,649
1830					6,132		24		356	5,586
1840					11,779		55		666	9,884
1850					7,742		25		1,372	9,951
1860	8,080	6,200	693		19,525	1,609	206	241	3,886	15,907
1865	20,696	14,473	669	169	46,905	2,267	415	291	343	41,625
1870	11,630	9,909	111	217	68,341	3,419	543	186	3,277	21,100
1871–1875	33,937	25,773	3,785	710	82,188	4,195	1,138	212	5,192	24,475
1876–1880	66,660	35,496	7,256	2,194	133,946	5,268	1,831	262	4,511	23,580
1881–1885	69,344	37,492	7,374	2,185	157,600	6,551	2,893	560	6,364	19,407
1886–1890	59,734	35,168	9,167	380	106,331	7,143	3,724	857	6,009	23,085
1891–1895	82,184	51,133	11,931	2,570	147,211	8,565	4,075	1,450	7,536	22,896
1896–1900	100,858	53,369	18,703	4,075	148,176	12,300	8,394	2,280	9,934	25,269
1901–1905	110,948	70,933	24,019	1,311	131,029	19,470	14,778	4,605	13,898	29,891
1906–1910	93,563	87,326	31,234	989	117,768	23,472	16,531	7,831	19,438	33,186
1911–1915	81,315	83,806	44,656	3,613	172,788	25,570	31,865	13,362	21,852	46,064
1915–1920 [2]	401,251	166,868	110,215	52,009	512,963	21,978	61,501	46,430	20,417	139,509
1921–1925	139,833	146,401	44,287	39,475	321,864	24,695	82,869	39,003	22,379	164,596
1926–1930	77,988	116,856	47,481	14,767	230,647	24,392	122,234	67,366	30,266	144,549
1888	52,462	32,354	8,423	61	111,019	6,424	3,510	867	5,930	21,936
1889	59,727	35,982	9,515	172	86,949	6,928	5,072	832	5,966	18,901
1890	78,409	48,202	11,175	1,294	102,312	8,000	4,060	1,090	7,444	21,480
1891	81,965	51,011	12,023	230	106,126	7,452	2,435	1,236	8,192	21,034
1892	84,048	48,841	10,518	11,455	236,761	9,713	6,626	1,416	7,990	20,670
1893	80,842	50,967	10,695	1,013	169,029	9,689	3,919	1,609	7,287	22,892
1894	81,698	57,311	12,779	136	128,679	8,807	2,424	1,472	6,791	24,085
1895	82,369	47,534	13,640	17	95,458	7,166	4,972	1,517	7,420	25,799
1896	82,387	46,719	17,765	456	91,735	7,950	5,679	1,969	8,844	24,571
1897	89,017	42,590	16,431	3,675	115,835	9,611	7,739	1,927	9,215	24,711
1898	105,984	54,771	17,796	8,838	214,948	12,582	9,013	2,058	9,155	22,172
1899	110,410	60,579	19,725	5,951	177,363	14,549	7,897	2,321	9,983	25,467
1900	116,494	62,187	21,797	1,457	140,998	16,806	11,643	3,124	12,474	29,422
1901	123,367	68,226	21,321	1,333	166,231	18,724	10,827	3,659	12,587	27,656
1902	122,912	72,985	22,350	1,590	178,537	19,943	8,719	4,032	11,734	27,104
1903	106,199	72,258	23,514	3,157	161,552	19,839	18,058	4,674	12,919	35,251
1904	103,229	71,040	24,852	452	104,745	17,069	20,679	5,149	16,145	29,641
1905	99,035	70,158	28,058	21	44,082	21,777	15,607	5,509	16,107	29,801
1906	114,670	92,110	29,317	925	87,864	23,992	15,274	6,544	20,076	28,808
1907	107,571	94,098	32,058	573	122,390	26,416	17,588	7,429	21,687	33,377
1908	102,045	92,076	26,970	2,201	163,907	21,867	14,339	7,574	21,642	34,727
1909	81,773	86,575	30,413	1,064	119,252	25,836	16,568	7,433	15,101	30,903
1910	61,758	71,769	37,414	184	95,428	19,251	18,886	10,176	18,682	38,115
1911	66,391	85,665	37,200	27	71,427	19,631	24,498	12,453	25,023	39,255
1912	71,874	85,512	41,798	22	79,477	28,229	30,964	12,823	26,755	43,252
1913	68,018	88,573	42,384	1,282	142,208	29,444	37,079	14,325	26,471	49,354
1914	68,443	80,562	36,669	1,586	142,408	21,668	31,850	12,441	19,882	53,964
1915	131,850	78,720	65,229	15,150	428,422	28,879	34,933	14,768	11,127	44,494
1915 (6 mos.) [2]	90,466	33,808	42,079	7,556	146,718	14,978	22,549	15,841	5,430	30,454
1916	198,000	85,002	100,498	19,380	313,240	33,253	37,345	33,934	16,289	62,833
1917	273,908	99,666	80,817	27,960	384,272	15,810	35,332	34,788	14,401	45,574
1918	667,527	181,421	55,127	31,065	505,266	2,785	32,373	31,501	10,236	122,918
1919	697,707	326,290	218,784	74,211	650,351	36,041	126,265	53,866	31,434	259,986
1920	279,270	191,587	108,876	125,878	821,448	18,012	84,390	85,437	34,503	245,532
1921	157,122	145,955	31,787	44,589	550,752	24,489	70,157	30,786	11,449	205,133
1922	140,175	118,215	45,471	46,075	291,821	19,898	75,864	34,009	18,510	146,489
1923	153,677	158,520	42,834	29,021	204,641	19,831	68,619	36,972	24,820	153,439
1924	121,156	159,017	49,188	40,204	328,324	27,590	97,689	40,622	25,309	164,130
1925	127,033	150,298	52,155	37,484	233,784	31,666	102,015	52,630	31,809	153,787
1926	106,837	136,111	49,815	12,379	284,872	26,458	111,797	60,733	36,865	136,919
1927	71,011	116,760	54,003	39,913	324,836	30,186	121,665	70,691	34,335	139,667
1928	67,722	119,442	55,178	17,567	193,743	27,198	129,324	69,545	26,433	154,465
1929	78,756	124,066	42,943	3,698	192,292	28,414	137,467	76,953	30,998	146,083
1930	65,612	87,901	35,468	278	157,494	9,706	110,916	58,906	22,698	145,609
1931	35,653	60,550	25,612	101	84,227	11,181	109,329	36,711	14,304	110,780

[1] Includes semimanufactures.

[2] Average for period July 1, 1915, to Dec. 31, 1920.

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OF UNITED STATES MERCHANDISE EXPORTED

Figures are for fiscal years ended Sept. 30, through 1840, and June 30, 1850 through 1915; calendar years of trade; in other cases the item was not segregated

sands of dollars]

Cotton, raw	Cotton manufactures [1]	Sawmill products	Other wood manufactures	Coal and coke	Petroleum and products	Iron and steel-mill products	Copper and manufactures	Machinery, all classes	Automobiles including engines and parts	Year or yearly average
20,157	-------	1,513	-------	-------	-------	-------	27	-------	-------	1821.
29,675	1,318	1,650	426	-------	-------	-------	37	-------	-------	1830.
63,870	3,550	2,072	921	-------	-------	-------	87	-------	-------	1840.
71,985	4,734	2,545	2,279	167	-------	-------	105	-------	-------	1850.
191,807	10,935	3,884	6,148	741	-------	-------	1,664	-------	-------	1860.
6,836	3,452	7,020	11,261	1,371	15,766	1,190	1,545	7,222	-------	1865.
227,028	3,787	4,660	7,886	1,306	32,669	539	1,042	5,783	-------	1870.
205,624	3,196	6,749	9,108	2,538	36,913	1,115	749	8,373	-------	1871–1875.
183,530	10,047	7,840	7,924	2,474	43,808	1,185	2,564	8,357	-------	1876–1880.
218,763	12,693	11,796	9,347	4,077	47,753	1,322	3,951	13,552	-------	1881–1885.
224,614	12,423	13,376	8,846	5,747	51,151	1,922	7,309	13,662	-------	1886–1890.
230,743	13,354	14,782	9,694	10,184	49,344	3,241	14,392	22,061	-------	1891–1895.
220,894	20,494	22,390	13,863	14,005	68,766	20,438	36,745	50,125	-------	1896–1900.
335,443	31,333	34,447	17,413	26,121	82,260	32,759	54,942	77,958	-------	1901–1905.
437,582	35,141	50,754	21,075	38,825	103,803	54,297	92,334	113,983	6,292	1906–1910.
537,044	52,525	61,379	24,687	58,648	137,058	96,313	123,655	158,897	35,805	1911–1915.
768,361	214,697	60,630	36,556	151,590	347,396	491,191	208,909	354,216	157,775	1916–1920. [2]
804,985	133,052	85,078	30,846	131,112	405,051	166,776	129,761	320,348	177,164	1921–1925.
765,674	124,079	100,571	36,857	121,800	524,364	170,666	149,999	492,617	405,121	1926–1930.
223,017	13,013	12,532	8,331	6,345	49,211	1,925	8,877	12,156	-------	1888.
237,775	10,213	15,977	10,205	6,714	51,943	2,056	9,867	15,934	-------	1889.
250,969	9,999	16,646	9,872	6,910	53,812	2,793	8,403	19,521	-------	1890.
290,713	13,605	14,887	9,042	8,434	55,741	3,189	11,875	21,110	-------	1891.
258,461	13,226	14,721	9,056	8,761	48,771	2,871	13,263	21,475	-------	1892.
188,771	11,809	14,851	9,499	10,185	46,658	3,358	9,117	21,809	-------	1893.
210,869	14,341	14,463	10,561	12,093	45,320	3,340	22,133	21,687	-------	1894.
204,901	13,790	14,989	10,313	11,445	50,230	3,446	15,573	24,224	-------	1895.
190,056	16,837	17,315	11,836	11,146	66,790	4,692	21,754	29,313	-------	1896.
230,891	21,038	22,038	13,642	11,556	67,592	10,782	33,681	37,738	-------	1897.
230,442	17,024	20,393	13,393	12,293	62,156	18,973	33,005	44,438	-------	1898.
210,090	23,567	23,591	13,939	14,294	63,078	29,207	36,424	61,117	-------	1899.
242,989	24,003	28,614	16,506	20,737	84,214	38,534	58,862	78,020	-------	1900.
315,105	20,272	32,370	15,415	23,751	77,970	40,455	44,614	73,489	-------	1901.
291,598	32,108	27,546	16,330	22,486	81,162	25,686	43,820	67,510	949	1902.
317,065	32,216	33,681	19,110	23,119	76,665	21,418	40,595	76,202	1,207	1903.
372,049	22,404	42,106	18,256	30,044	87,920	30,832	58,119	83,841	1,896	1904.
381,399	49,666	36,533	17,956	31,387	87,582	45,402	87,564	88,748	2,481	1905.
401,006	52,944	44,115	20,511	30,652	92,850	51,183	83,179	108,379	3,497	1906.
481,278	32,305	58,237	20,969	37,741	93,887	55,451	96,601	125,255	5,502	1907.
437,788	25,178	53,839	22,825	42,074	112,857	57,820	105,873	120,581	5,278	1908.
417,391	31,879	44,213	19,879	40,069	112,446	46,630	86,708	98,983	5,992	1909.
450,447	33,397	53,368	21,193	43,590	106,977	60,403	89,309	116,718	11,190	1910.
585,319	40,852	62,947	24,384	48,314	105,494	78,790	104,908	151,205	15,509	1911.
565,849	50,770	66,811	25,667	55,587	122,789	102,385	117,083	160,645	26,435	1912.
547,357	51,510	76,955	30,764	68,416	149,256	124,222	143,124	194,738	32,982	1913.
610,475	49,246	70,095	26,326	62,711	161,085	90,920	151,472	167,909	34,591	1914.
376,218	70,247	30,085	16,296	58,211	146,668	85,247	101,690	119,990	69,510	1915.
157,548	48,714	19,086	9,959	37,236	83,264	100,894	70,033	94,935	59,647	1915 (6 mos.). [3]
545,229	127,052	33,061	20,818	72,500	220,089	375,975	236,859	278,071	123,064	1916.
575,304	157,267	40,302	26,602	118,956	273,906	644,924	362,871	355,658	124,476	1917.
674,123	179,106	54,121	28,095	119,742	369,542	632,219	206,732	269,951	100,889	1918.
1,137,371	270,235	76,884	51,239	125,505	374,530	449,939	130,790	361,900	156,426	1919.
1,136,409	398,458	110,013	64,347	359,805	589,348	497,601	141,717	587,671	303,262	1920.
534,242	115,539	52,532	28,040	170,983	399,871	236,126	97,898	408,465	83,749	1921.
673,250	136,679	67,890	24,485	95,562	344,255	136,218	103,874	233,943	103,202	1922.
807,103	136,188	103,378	33,347	166,014	365,625	167,065	129,220	281,562	170,612	1923.
950,581	130,687	101,999	32,248	115,966	442,554	150,369	156,646	310,576	209,872	1924.
1,059,751	146,167	99,589	36,109	107,035	472,952	144,102	161,166	367,206	318,386	1925.
814,429	128,768	97,444	37,884	203,884	554,534	174,101	141,204	399,541	320,179	1926.
826,306	133,186	107,574	38,089	109,687	485,903	160,547	150,214	434,033	388,528	1927.
920,008	134,642	108,798	37,525	99,515	525,853	179,647	169,831	494,114	500,177	1928.
770,830	135,115	110,637	40,938	106,151	561,191	200,143	183,404	608,887	539,298	1929.
496,798	88,684	78,402	29,849	89,762	494,339	138,893	105,342	517,242	277,425	1930.
325,667	60,070	45,070	19,177	64,542	270,500	63,188	54,749	318,263	146,693	1931.

[1] July to December.

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No. 504.—VALUE OF PRINCIPLE COMMODITIES

NOTE.—Specie values. Figures represent general imports; they are for fiscal years ended Sept. 30 entire absence of trade; in other

[All figures in thou

Year or yearly average	Hides and skins	Furs, and manufactures [1]	Fruits and nuts	Vegetable oils, expressed, and fats	Coffee	Sugar [2]	Rubber, crude	Tobacco, unmanufactured	Cotton manufactures [3]	Burlaps
1821	893	224	181	.....	4,490	3,554	.....	.....	7,391	.....
1830	2,410	306	520	18	4,227	4,631	.....	.....	7,865	.....
1840	2,756	423	1,405	263	8,546	5,581	.....	.....	6,504	.....
1850	4,799	1,014	1,191	922	11,235	7,556	.....	272	20,781	.....
1860	10,525	1,838	4,804	1,619	21,884	31,079	1,427	1,366	33,216	.....
1865	4,550	2,309	2,265	634	11,242	27,326	1,223	552	9,224	.....
1870	14,402	2,236	7,417	2,153	24,235	56,924	3,460	2,534	23,380	.....
1871–1875	16,649	3,704	10,987	1,097	43,737	76,754	5,391	4,725	31,263	.....
1876–1880	18,237	4,680	11,486	1,230	54,011	73,678	5,998	4,000	22,118	.....
1881–1885	25,179	7,286	17,880	1,697	48,257	87,906	12,732	6,188	31,739	.....
1886–1890	24,373	7,161	19,584	1,898	62,504	83,614	13,791	11,176	28,858	4,552
1891–1895	25,208	9,707	21,322	3,025	98,220	105,946	17,763	12,810	29,482	5,828
1896–1900	39,075	9,224	17,661	3,716	67,830	88,795	24,506	11,365	33,694	8,021
1901–1905	56,206	15,003	23,034	7,350	69,450	77,440	34,823	16,743	47,839	14,368
1906–1910	82,519	21,469	33,692	14,002	73,496	92,286	60,687	24,905	67,851	22,730
1911–1915	102,967	19,341	43,033	26,554	108,970	118,240	82,736	31,576	63,049	30,749
1915–1920 [4]	201,517	47,620	61,755	84,462	165,265	393,906	192,149	51,012	65,816	62,591
1921–1925	93,067	80,552	75,499	59,652	205,792	295,389	192,922	64,831	86,568	60,406
1926–1930	118,003	114,785	84,868	81,940	281,707	207,318	294,428	57,018	63,627	72,250
1888	23,939	6,735	20,502	1,914	60,508	74,245	16,067	10,871	28,918	4,040
1889	25,128	7,416	18,746	1,805	74,725	88,544	12,387	10,868	26,806	5,384
1890	21,882	7,554	20,746	2,160	78,267	96,095	14,855	17,605	29,918	6,434
1891	27,931	9,829	25,983	2,198	96,124	105,728	17,856	13,284	29,713	5,566
1892	26,850	10,197	20,944	3,116	128,042	104,409	19,718	10,332	28,324	7,064
1893	28,348	10,568	23,687	3,646	80,486	116,256	17,809	14,703	33,638	6,154
1894	16,786	7,620	18,755	2,641	90,315	126,872	15,078	10,985	22,440	4,567
1895	26,123	10,322	17,240	3,522	96,131	76,463	18,353	14,746	33,297	5,789
1896	30,520	9,303	19,032	3,664	84,793	89,220	16,603	16,503	32,643	6,447
1897	27,863	6,015	17,127	3,487	81,544	99,066	17,458	9,584	34,601	9,243
1898	37,069	7,881	14,567	3,358	65,068	60,473	25,386	7,489	27,420	5,671
1899	41,988	10,861	18,314	3,609	55,275	94,964	31,708	9,900	32,265	8,138
1900	57,936	12,060	19,264	4,462	52,468	100,251	31,377	13,297	41,541	10,606
1901	48,220	11,020	19,587	4,688	62,861	90,488	28,455	16,290	40,436	12,606
1902	58,007	15,624	21,481	6,626	70,982	55,061	24,899	15,212	44,956	15,532
1903	58,032	15,302	23,727	9,487	59,201	72,089	30,437	17,235	53,269	14,378
1904	52,006	14,763	24,436	7,829	69,552	71,916	40,444	16,939	50,370	14,631
1905	64,764	18,306	25,937	8,119	84,654	97,645	49,878	18,039	50,162	14,693
1906	83,882	21,856	28,916	9,688	73,256	85,460	45,114	22,448	64,399	20,084
1907	83,207	21,884	35,565	11,690	78,232	92,806	58,920	26,055	74,747	29,114
1908	54,770	15,918	36,874	12,369	67,688	80,258	36,613	22,870	68,825	23,225
1909	78,487	21,087	30,444	14,622	79,112	96,555	61,710	25,401	63,232	19,780
1910	112,248	26,598	36,661	21,639	69,194	106,349	101,079	27,751	68,053	21,448
1911	70,505	23,619	39,978	28,071	90,568	96,691	76,245	27,856	67,004	21,104
1912	102,476	24,986	42,567	25,157	117,827	115,515	93,013	31,919	65,175	24,359
1913	117,386	24,102	41,091	25,191	118,963	103,640	90,170	35,919	66,087	37,774
1914	120,290	13,836	51,026	30,650	110,725	101,486	71,220	35,029	70,723	42,421
1915	104,177	10,162	40,504	23,699	106,766	173,867	83,030	27,157	46,258	28,089
1915 (6 mos.) [5]	67,579	8,940	20,895	10,984	54,394	67,425	58,858	9,384	20,767	15,800
1916	172,603	21,060	44,749	40,081	118,813	227,319	159,745	26,856	54,609	39,089
1917	209,730	29,038	44,744	66,307	122,607	221,990	233,221	33,472	55,675	53,704
1918	108,044	34,194	48,722	111,312	99,423	241,390	146,378	54,080	40,701	80,279
1919	306,510	76,278	78,991	127,833	261,270	393,171	215,820	75,146	52,652	66,022
1920	243,878	92,399	101,551	108,026	252,451	1,015,188	242,796	81,630	137,583	89,359
1921	67,561	40,526	73,532	39,880	142,809	235,287	73,773	54,172	75,430	41,377
1922	107,039	68,614	72,499	59,042	160,854	251,905	101,843	66,000	87,070	49,256
1923	118,917	88,562	70,463	64,686	190,232	380,090	185,060	57,158	100,153	66,972
1924	75,052	88,299	72,335	59,667	248,828	363,656	174,231	75,362	90,914	59,396
1925	96,764	116,755	88,664	74,985	286,235	246,008	429,705	71,464	79,271	85,028
1926	96,811	119,650	87,560	79,060	322,746	232,534	505,818	60,570	67,159	82,238
1927	112,846	138,025	84,721	78,659	264,275	258,163	339,859	74,617	66,197	67,249
1928	150,810	121,711	89,667	77,919	309,644	207,048	244,855	55,160	69,295	80,087
1929	137,281	125,853	86,898	100,662	302,397	209,277	240,966	53,821	69,264	77,377
1930	92,268	68,686	75,496	73,402	209,472	129,566	140,642	40,922	46,219	54,300
1931	50,302	55,860	60,008	47,977	174,904	112,780	73,803	37,088	40,652	28,757

[1] Includes fur hats beginning 1921; formerly classified as miscellaneous textile products.
[2] Includes sirups and maple sugar prior to Oct. 4, 1913. [3] Includes semimanufactures.

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IMPORTED INTO THE UNITED STATES

through 1840, and June 30, 1850 through 1915; calendar years thereafter. In some cases blanks represent cases the item was not segregated

sands of dollars]

Wool and mohair	Wool manufactures (including rags, noils, waste)	Silk, raw	Sawmill products	Wood pulp	Paper and manufactures	Petroleum and products	Copper, including ore and manufactures	Tin, including ore	Fertilizers and materials	Year or yearly average
----------	7,239	----------	----------	----------	58	----------	233	149	----------	1821.
97	5,901	119	----------	----------	170	----------	807	108	----------	1830.
846	10,808	234	----------	----------	70	----------	1,653	229	----------	1840.
1,690	19,621	386	----------	----------	432	----------	2,418	674	92	1850.
4,843	43,142	1,236	----------	----------	497	----------	1,630	1,158	526	1860.
7,734	21,929	1,194	----------	----------	372	----------	1,144	591	590	1865.
6,743	34,491	3,018	----------	----------	1,100	----------	656	2,043	2,192	1870.
15,150	47,763	5,237	7,542	----------	1,822	----------	1,495	3,136	2,383	1871–1875.
10,506	28,482	7,543	4,017	----------	1,359	----------	672	2,927	2,251	1876–1880.
10,603	37,946	12,545	8,076	----------	1,838	----------	525	4,962	4,677	1881–1885.
16,459	48,638	19,380	8,603	----------	2,325	----------	470	7,095	4,723	1886–1890.
18,129	34,531	21,806	9,194	1,851	3,149	----------	896	7,687	6,240	1891–1895.
26,212	29,496	30,514	7,707	1,107	2,882	----------	5,866	10,604	7,043	1896–1900.
24,687	17,429	44,815	12,147	3,027	3,539	----------	22,611	21,550	14,892	1901–1905.
40,132	21,285	66,202	21,112	7,729	6,708	----------	38,026	30,244	27,046	1906–1910.
42,664	22,777	80,079	21,884	16,254	12,952	8,077	46,129	41,493	39,631	1911–1915.
170,173	26,852	213,960	45,592	42,814	47,214	30,363	103,805	73,739	67,142	1915–1920.[4]
102,369	64,592	348,123	68,410	67,002	105,239	90,793	77,811	59,225	56,865	1921–1925.
78,790	69,295	368,232	56,703	86,044	151,219	131,900	108,244	89,058	67,538	1926–1930.
15,887	47,719	19,151	8,918	----------	2,401	----------	408	8,759	4,340	1888.
17,975	52,565	18,544	9,610	----------	2,542	----------	483	7,014	4,956	1889.
15,264	56,582	23,285	9,295	1,814	2,817	----------	521	6,899	4,847	1890.
18,231	41,060	17,995	10,077	1,903	3,031	----------	730	7,978	5,950	1891.
19,688	35,566	24,321	9,606	1,820	3,342	----------	1,146	8,668	6,007	1892.
21,064	38,049	29,056	10,739	2,909	3,881	----------	944	12,359	6,157	1893.
6,107	19,439	15,628	8,289	1,665	2,628	----------	861	2,641	5,749	1894.
25,556	38,540	22,029	7,259	958	2,864	----------	801	6,787	7,336	1895.
32,451	53,494	26,247	8,527	1,053	3,169	----------	1,530	6,762	7,161	1896.
53,243	49,163	18,497	9,095	801	3,122	----------	1,626	6,536	5,785	1897.
16,784	14,824	31,447	5,068	602	2,839	----------	3,869	8,776	6,811	1898.
8,323	13,833	31,827	6,015	672	2,392	----------	6,817	11,843	5,949	1899.
20,261	16,164	44,550	9,829	2,406	2,890	----------	15,490	19,104	9,509	1900.
12,530	14,585	29,354	8,636	1,586	3,055	----------	20,582	19,806	11,525	1901.
17,712	17,384	41,714	12,015	2,059	3,170	----------	25,063	19,462	11,741	1902.
22,153	19,546	49,003	13,922	3,388	3,483	----------	20,891	23,619	15,087	1903.
24,814	17,734	44,462	12,027	3,603	3,868	----------	21,682	21,486	16,812	1904.
46,226	17,894	59,543	14,137	4,501	4,117	----------	24,835	23,378	19,294	1905.
39,068	23,081	52,856	19,367	4,585	4,793	----------	32,563	30,933	22,761	1906.
41,534	22,321	70,230	20,959	6,349	6,759	----------	47,725	38,117	25,998	1907.
23,665	19,388	63,666	20,257	7,313	7,312	584	31,520	25,295	24,237	1908.
45,172	18,102	78,831	20,900	8,629	7,183	556	38,076	26,007	26,616	1909.
51,221	23,532	65,425	24,079	11,768	7,491	962	40,245	30,870	35,620	1910.
23,228	18,570	72,714	20,761	13,980	8,224	2,578	39,682	37,936	41,353	1911.
33,078	14,913	67,173	19,794	14,219	7,273	4,006	45,217	46,214	38,900	1912.
35,580	16,318	82,148	23,098	16,165	12,169	9,721	59,580	53,113	41,383	1913.
53,191	34,294	97,828	22,312	17,023	18,244	13,993	54,506	39,422	46,381	1914.
68,243	29,791	80,532	23,453	19,881	18,849	10,087	31,661	30,778	30,139	1915.
43,363	7,461	53,302	16,231	8,567	9,858	5,985	27,992	21,422	15,950	1915 (6 mos.)[5]
125,524	16,471	144,757	30,497	26,986	24,611	14,398	95,335	55,836	43,859	1916.
171,557	23,343	184,283	35,694	41,979	42,031	21,243	137,787	68,372	66,731	1917.
251,773	22,809	180,210	41,960	31,477	48,214	26,232	133,525	104,589	95,995	1918.
216,765	19,486	329,339	50,314	37,048	54,452	32,414	86,271	62,762	31,894	1919.
126,972	58,116	284,891	76,057	89,418	80,510	66,724	90,019	92,582	114,850	1920.
60,482	51,218	259,054	44,492	39,396	88,330	77,715	45,785	22,319	30,688	1921.
86,546	59,414	365,787	63,844	63,292	85,334	88,485	66,829	46,302	45,123	1922.
129,711	69,118	391,908	82,622	74,744	115,659	78,713	95,988	63,261	63,913	1923.
93,151	69,310	327,582	72,942	75,743	117,673	101,357	96,184	69,024	66,531	1924.
141,957	73,900	396,286	78,150	81,834	119,201	107,694	84,270	95,219	78,072	1925.
106,721	70,667	392,760	74,579	91,231	139,499	124,556	99,742	104,980	69,239	1926.
82,933	78,775	390,365	64,004	85,842	149,365	113,434	84,963	100,944	58,842	1927.
79,861	78,391	367,997	54,885	83,464	156,407	132,842	98,187	87,052	78,118	1928.
87,344	78,501	427,126	54,160	88,573	163,365	143,558	153,710	91,905	72,340	1929.
37,092	40,142	262,913	35,889	81,109	147,461	145,116	104,616	60,411	59,151	1930.
22,372	22,905	191,290	20,319	60,887	125,623	92,741	48,744	36,731	44,733	1931

[4] Average for period July 1, 1915, to Dec. 31, 1920.

[5] July to December.

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No. 505.—EXPORTS OF UNITED STATES MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—Data are for calendar years. Figures for 1921–1925 and 1926–1930 are annual averages. For a number of items data are not shown separately for all years from 1921–1930 and for this reason many averages for two, three, and four years are shown in the table. Averages shown for group totals, however, always cover five years. In some cases the detail does not add to the total because of the different periods covered by the averages. For annual averages for 1910–1914, see Statistical Abstract 1930, Table 547

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Total exports of domestic merchandise							4,810,221	4,687,788	5,030,099	5,157,083	3,781,172	2,377,982
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							342,348	234,126	228,425	244,248	186,854	117,566
A. Animals, edible							6,698	1,981	2,163	1,651	1,086	546
Cattle—												
Bulls for breeding—number	97,292	1,523	1,663	2,196	1,290	1,441	4,985	224	242	298	225	165
Cows for breeding—do		4,029	4,504	1,376	1,069	936		398	413	229	150	155
Other cattle—do		7,885	5,130	3,937	4,740	1,727		319	296	146	191	79
Hogs (swine)—do	83,472	32,936	54,174	27,017	12,654	1,228	1,188	558	822	465	208	20
Sheep—do	36,407	12,233	4,164	15,431	6,335	2,436	275	180	65	212	67	31
Poultry, live—1,000 lbs	[1] 629	523	566	449	389	165	[1] 312	302	325	301	245	96
B. Meat products—do	838,927	425,286	398,326	445,529	380,301	253,305	139,833	77,988	67,722	78,756	65,612	35,653
Beef and veal—												
Fresh—do	4,725	2,408	2,052	2,918	2,853	2,083	779	503	442	662	634	444
Pickled or cured—do	23,339	13,876	9,364	10,825	14,671	13,022	2,342	1,591	1,174	1,321	1,537	929
Pork—												
Carcasses, fresh or frozen—do	38,075	2,420	1,936	3,134	2,747	224	5,959	370	251	455	419	26
Loins and other fresh pork—do		10,845	9,476	10,405	14,826	9,323		1,966	1,523	1,714	2,619	1,344
Wiltshire sides—do	296,758	2,950	931	5,039	1,937	----------	53,709	533	140	718	367	----------
Hams and shoulders, cured—do		135,289	124,149	125,797	120,170	84,885		28,478	23,306	26,462	23,703	13,078
Bacon—do	345,934	119,990	117,687	138,423	90,687	36,692	52,083	19,231	16,682	20,851	13,887	4,351
Cumberland sides—do		7,703	5,512	5,858	4,159	1,716		1,505	896	1,124	752	219
Pickled pork—do	33,785	33,427	33,402	44,787	30,628	15,789	4,301	4,860	4,733	6,403	4,205	1,576
Mutton and lamb—do	2,835	1,044	1,024	835	1,251	550	512	230	233	211	221	108
Sausage, not canned—do	7,686	3,807	3,388	3,724	3,282	2,618	2,106	1,115	998	1,124	961	638
Canned meats—do	[1] 15,911	16,418	14,694	17,252	17,946	15,342	5,551	5,752	5,325	5,962	6,305	5,025
Beef—do	2,807	2,323	1,900	2,606	1,710	1,478	710	838	677	945	668	481
Pork—do	2,898	8,865	8,153	10,240	12,197	11,246	927	3,313	3,128	3,695	4,411	3,852
Sausage—do	2,950	2,634	2,038	2,139	1,396	1,006	846	817	682	706	421	251
Other canned meat—do	[1] 7,538	2,596	2,603	2,266	2,644	1,612	3,069	785	838	615	804	441
Poultry and game, fresh—do	[1] 5,152	3,318	3,090	2,473	2,994	2,757	1,445	1,015	920	842	832	736
Other meats (including edible offal)—do	[1] 46,320	39,157	38,562	41,422	39,956	42,636	4,435	4,260	4,320	4,611	4,288	3,759
Sausage casings—												
Hog casings—do	29,927	32,632	12,536	12,905	13,924	11,004	6,610	6,578	3,571	3,490	3,000	2,004
Beef casings—do			17,967	16,820	16,583	12,701			2,622	2,366	1,596	1,094
Other casings—do			2,554	2,911	1,687	1,961			587	441	286	323

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C. Animal oils and fats, edible	do	1,053,575	841,332	865,493	936,481	734,135	645,241	138,462	109,996	112,513	117,714	82,979	56,804
Oleo oil	do	105,534	72,631	62,779	68,209	56,483	47,328	12,770	8,607	8,281	7,501	5,871	3,309
Oleo stock	do	[1] 12,970	9,346	6,779	8,099	7,779	7,924	[1] 1,484	1,059	862	860	766	539
Tallow	do	26,356	5,977	3,211	3,840	5,594	2,665	2,126	507	287	327	398	171
Lard, including neutral lard—													
Lard	do	860,840	722,360	759,722	829,328	642,486	568,708	115,602	95,660	98,701	105,530	73,434	51,069
Neutral lard	do	22,959	18,867	23,750	18,539	13,531	9,588	3,351	2,671	3,225	2,447	1,631	929
Lard compounds, containing animal fats	1,000 lbs	18,683	6,070	4,713	3,632	2,436	1,646	2,316	786	613	457	291	173
Oleo stearin	do	[1] 8,353	5,183	3,883	3,931	5,133	6,842	[1] 926	565	436	440	478	540
Oleomargarine of animal or vegetable fats	1,000 lbs	2,144	900	656	902	692	547	367	141	108	152	110	74
D. Dairy products								30,100	17,447	18,494	17,914	14,386	11,024
Milk and cream—													
Fresh and sterilized	1,000 gals	[1] 112	124	125	180	189	101	166	77	73	104	108	70
Condensed (sweetened)	1,000 lbs	62,962	36,669	38,763	41,242	29,648	19,324	9,559	5,791	6,191	6,459	4,769	3,306
Evaporated (unsweetened)	do	142,143	70,086	76,789	68,943	60,811	55,761	13,687	7,075	7,905	6,844	5,612	4,609
Dried	do	5,450	4,314	4,016	5,342	6,223	12,790	862	1,114	1,035	1,367	1,455	1,538
Butter	do	7,680	4,080	3,898	3,724	2,954	1,984	3,149	1,877	1,861	1,750	1,233	637
Cheese	do	7,720	2,904	2,600	2,645	1,964	1,673	1,936	836	799	735	504	375
Infants' foods, malted milk, etc	do	[1] 2,258	2,389	2,185	2,126	2,471	1,698	742	677	632	656	705	490
E. Fish								17,961	19,941	20,785	23,501	17,174	11,380
Fresh—													
Salmon	1,000 lbs	[1] 4,319	3,305	3,454	3,582	3,350	3,989	466	523	555	546	553	534
Other	do	11,987	4,664	4,469	5,232	4,853	5,075	770	444	404	558	435	421
Shellfish, not canned	do	[1] 4,365	7,323	8,261	9,365	7,849	9,035	844	1,094	1,194	1,406	978	1,034
Fish, salted, smoked, or dry-cured—													
Salmon	do	[1] 1,326	2,866	4,367	3,790	1,696	3,636	[1] 275	656	976	938	402	375
Cod	do	[1] 5,587	3,181	3,165	2,937	2,029	1,021	[1] 613	357	362	367	258	109
Herring	do	3,955	2,010	1,889	2,170	1,299	1,252	235	127	119	139	86	71
Haddock, hake, and pollock	do	[1] 3,769	1,828	1,951	1,247	1,050	1,046	[1] 279	138	151	101	81	62
Other	do	5,631	1,737	1,646	1,698	1,521	788	492	167	129	197	146	73
Fish, pickled—													
Salmon	barrels of 200 lbs	22,791	10,014	9,565	4,545	4,442	4,718	1,124	517	503	251	243	198
Other	do	12,442	6,478	4,664	4,260	7,763	13,738	167	89	72	57	85	85
Fish, canned—													
Salmon	1,000 lbs	58,815	40,193	40,953	40,967	27,288	24,222	8,671	7,003	7,662	7,406	5,342	4,040
Sardines	do	[1] 41,924	91,625	80,253	123,920	103,226	53,247	[1] 3,570	7,205	6,523	9,419	7,139	3,446
Mackerel	do		[2] 2,596			2,596	1,550		[2] 191			191	111
Shellfish	do	[1] 4,588	4,135	4,731	4,857	3,781	3,126	659	857	1,011	1,007	749	565
Other canned fish	do		4,834	9,362	9,397	1,404	783	596	534	939	899	213	119
Other fish products	do		2,917	3,399	2,386	5,386	1,873	149	192	186	210	274	137
F. Other edible animal products								9,293	6,772	6,747	4,712	5,618	2,158
Eggs, in the shell	1,000 doz	30,337	21,237	20,192	12,075	18,579	7,684	8,661	6,139	6,135	4,081	5,061	1,742
Eggs and yolks, frozen, dried, canned	1,000 lbs	[1] 460	443	508	326	196	255	91	76	87	62	44	36
Meat extracts and bouillon cubes	do	[1] 298	177	160	185	147	106	[1] 438	370	366	400	319	240
Gelatin	do	[1] 351	273	244	270	263	227	[1] 238	187	159	169	194	140

[1] Average for years 1922–1925. [2] 1930 only.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, *INEDIBLE*												
Total							109,633	119,265	138,791	117,936	91,464	62,280
A. Hides and skins, raw, except furs—1,000 lbs.	54,765	51,646	46,419	37,745	34,435	35,592	7,562	9,022	11,063	6,797	4,943	3,068
Cattle hides—do.	38,604	31,028	24,189	22,545	19,069	22,426	4,587	4,695	5,080	3,516	2,165	1,685
Calfskins—do.	7,481	10,319	12,078	6,977	7,232	4,694	1,680	2,361	3,518	1,540	1,400	611
Sheep and goat skins—do.	[1] 1,982	1,925	1,939	1,864	2,171	1,969	[1] 521	561	616	578	503	235
Other hides and skins—do.	7,094	8,374	8,213	6,359	5,963	6,503	878	1,406	1,849	1,163	875	537
B. Leather							44,288	47,481	55,178	42,943	35,468	25,612
Upper leather (except patent)—												
Cattle, side upper—												
Grain—1,000 sq. ft.		12,692	11,428	11,180	8,514	6,857		3,476	3,718	3,105	2,099	1,293
Black—do.	15,258	2,504	1,775	1,687	1,638	1,380	3,638	654	584	460	373	229
Other—do.		10,188	9,653	9,493	6,874	5,477		2,821	3,134	2,645	1,726	1,064
Finished splits—do.		3,912	4,595	3,921	1,795	2,355		623	834	610	233	234
Wax and rough splits—1,000 lbs.	3,490	2,911	3,402	3,465	1,343	1,370	887	1,278	1,813	1,636	523	453
Calf and kip—1,000 sq. ft.	21,140	25,593	28,502	20,245	14,700	9,399	7,150	8,794	10,946	7,363	4,740	2,409
Black grain—do.		5,192	5,930	4,253	4,627	2,209		1,831	2,300	1,610	1,542	539
Other grain—do.		20,400	22,572	15,992	10,073	6,703		6,962	8,646	5,753	3,198	1,738
Suède—do.						487						132
Sheep and lamb—do.	[1] 7,074	7,769	8,262	8,218	5,761	8,494	[1] 857	1,005	1,075	1,087	698	682
Goat and kid upper leather (glazed kid)—1,000 sq. ft.	39,319	46,984	48,444	41,828	43,455	35,068	10,968	13,787	14,888	12,640	12,834	8,733
Black—do.		20,243	20,522	17,581	18,186	16,448		5,697	5,984	5,289	5,352	3,980
Other—do.		26,741	27,922	24,247	25,269	18,620		8,090	8,904	7,352	7,482	4,753
Horse and colt—do.	[1] 767	522	651	330	262	262	[1] 224	150	207	93	63	59
Other upper leather—do.		2,171	2,374	1,799	1,437	1,349	1,330	627	764	523	408	314
Patent upper leather—												
Patent side upper leather—do.		27,243	29,183	22,710	28,345	34,391		8,600	10,644	6,856	7,096	6,720
Goat and kid—do.	33,393	2,468	2,661	1,935	1,995	1,249	11,418	1,118	1,259	876	854	456
Horse and colt—do.		918	883	697	517	354		353	377	269	176	97
Other—do.		1,007	919	834	1,100	373		321	347	246	268	70
Sole leather—1,000 lbs.	17,839	10,276	10,185	9,950	7,970	8,723	4,704	3,041	3,692	2,736	1,787	1,536
Bends, backs, sides—do.	[3] 7,551	3,687	3,695	2,669	1,719	2,087	[3] 2,595	1,550	1,875	1,170	657	607
Other (including offal)—do.	[3] 11,136	5,722	5,642	6,311	5,381	5,809	[3] 1,916	1,178	1,462	1,220	819	668
Cut stock—do.	[3] 1,052	868	849	970	870	827	[3] 394	314	356	346	311	261

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Glove leather—												
Sheep and lamb ..... 1,000 sq. ft.	[1] 1,335	1,022	1,135	938	594	432	285	165	186	163	92	52
Other glove leather ..... do	[1] 4,982	5,090	5,920	5,024	4,127	2,654	[1] 723	936	1,101	908	928	645
Other leather—												
Harness, collar, and saddle ..... 1,000 lbs.	[1] 159	104	84	85	41	48	[1] 78	53	51	42	18	19
Upholstery and automobile ..... 1,000 sq. ft.	[1] 1,976	2,535	2,396	2,303	1,912	1,085	346	488	529	482	353	188
Fancy leather ..... do	[1] 874	695	766	675	577	478	[1] 179	182	198	189	148	126
Case, bag, and strap ..... do	[1] 537	488	551	650	500	341	[1] 158	147	175	203	147	80
Reptilian leather ..... 1,000 lbs.		[2] 201			201	208		[2] 1,005			1,005	748
Other leather and tanned skins ..... do		8,704	8,872	8,628	6,492	5,288	1,787	2,135	2,375	2,854	999	701
C. Leather manufactures							21,754	16,935	17,503	17,734	12,530	7,012
Leather footwear—												
Boots and shoes ..... 1,000 pairs	6,921	4,589	4,319	4,281	3,127	1,780	16,992	10,999	10,858	11,049	7,746	3,934
Men's and boys' ..... do	3,106	1,989	1,870	1,863	1,146	568	9,840	5,810	5,797	5,581	3,334	1,493
Women's ..... do	2,188	1,805	1,783	1,732	1,599	978	5,063	4,332	4,310	4,704	3,992	2,199
Children's ..... do	1,627	795	666	686	382	234	2,088	857	750	764	420	242
Slippers ..... do	153	375	362	471	528	501	185	387	392	499	489	354
Athletic shoes, sandals, overgaiters, leggings, puttees, and other footwear ..... 1,000 pairs	[1] 118	66	63	55	29	40	[1] 152	106	94	100	56	64
Leather gloves ..... doz. prs.	25,559	17,009	17,823	23,455	16,907	15,300	155	160	165	203	156	125
Harness and saddles							588	308	284	233	164	61
Traveling bags and suitcases ..... number	[1, 4] 98,886	53,294	41,477	30,456	16,222	8,577	[4] 329	185	170	166	89	52
Pocketbooks, handbags, cigarette, key, pass, and similar leather cases ..... 1,000 pieces	[1] 548	470	568	517	282	184	[1] 261	450	583	575	288	171
Leather belting, new ..... 1,000 lbs.	1,098	1,204	1,251	1,294	886	581	1,682	1,854	1,942	2,038	1,416	824
Other leather manufactures							1,492	2,487	3,018	2,871	2,126	1,427
D. Furs and manufactures							22,507	31,347	39,504	35,674	27,447	19,322
Undressed ..... 1,000 pieces	[1] 13,768	16,835	18,002	18,492	21,665	19,561	18,755	25,819	33,137	29,113	22,136	14,882
Fox ..... do	[1] 140	107	115	109	65	79	[1] 966	2,044	2,401	2,800	1,934	1,311
Muskrat ..... do	[1] 3,667	4,117	3,772	5,088	8,365	7,033	[1] 2,638	4,150	5,438	5,446	4,950	3,249
Raccoon ..... do	[1] 162	57	103	57	37	49	[1] 569	363	622	370	258	213
Skunk and civet cat ..... do	[1] 3,240	2,627	2,922	1,986	2,509	1,915	[1] 7,322	5,570	6,696	4,705	4,446	2,625
Opossum ..... do	[1] 2,946	5,194	6,023	5,413	5,962	5,033	[1] 2,832	6,038	7,636	6,782	4,709	3,108
Other undressed furs ..... do	[1] 3,612	4,733	5,067	5,839	4,727	5,452	[1] 5,884	7,654	10,344	9,010	5,839	4,376
Dressed on the skin—												
Fox ..... do	[1] 3,279	27	31	20	18	12	3,177	576	697	648	331	200
Muskrat ..... do		59	33	35	104	219		63	61	97	55	77
Skunk and civet cat ..... do		27	27	29	5	24		67	66	81	9	29
Opossum ..... do		97	73	148	67	64		134	110	215	59	38
Other dressed furs ..... do		1,821	2,160	1,871	2,168	1,359		2,804	3,528	2,879	2,770	1,579
Fur wearing apparel (except fur felt hats) ..... number		5,302	5,200	7,425	8,686	5,335	[1] 182	194	184	298	223	133
Fur waste, including pieces ..... 1,000 lbs.	[3] 761	1,448	1,623	1,560	1,432	1,711	[3] 396	1,345	1,438	1,807	1,391	2,055
Other fur manufactures							[1] 240	344	283	537	472	329
E. Animal oils and greases, inedible ..... 1,000 lbs.	[1] 82,986	78,203	75,796	70,199	72,505	84,335	8,079	6,955	7,036	6,447	4,996	3,828
Neat's-foot oil ..... do	[1] 1,387	1,295	1,223	1,335	1,330	1,022	[1] 226	217	216	226	209	142
Other inedible animal oils ..... do	2,717	916	741	852	1,377	1,144	300	94	82	96	108	74

[1] Average for years 1922–1925. [2] 1930 only. [3] Average for years 1923–1925. [4] Trunks are included for 1921.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921-1925	1926-1930	1928	1929	1930	1931	1921-1925	1926-1930	1928	1929	1930	1931
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
E. Animal oils and greases, inedible—Continued.												
Fish oils, 1,000 lbs.	864	916	882	1,120	1,079	1,598	140	94	105	95	72	82
Grease stearin, do.		2,438	1,452	1,729	3,172	3,850		233	114	174	271	228
Oleic acid, or red oil, do.	13,159	2,931	6,254	3,862	1,515	1,068	1,314	263	547	358	131	68
Stearic acid, do.		1,491	2,261	1,357	471	367		176	257	188	58	35
Other animal greases, and fats, do.	[1] 69,886	68,215	62,984	59,934	63,561	75,286	6,143	5,878	5,713	5,310	4,146	3,199
F. Other inedible animals and animal products							5,443	7,524	8,507	8,341	6,081	3,436
Animals							3,327	3,770	4,339	4,137	3,157	1,031
Horses—												
For breeding, number.	13,105	569	822	231	154	117	1,358	248	363	300	141	113
Other, do.		10,746	17,433	7,358	5,318	2,944		816	1,027	722	571	324
Mules, asses, burros, do.	15,215	16,994	18,993	15,295	12,126	3,667	1,559	1,908	2,227	1,813	1,447	358
Fur animals, do.		[2] 9,484			9,484	5,295		[2] 634			634	57
Other live animals							410	671	722	1,302	364	179
Bones, hoofs, and horns, unmanufactured, 1,000 lbs.	[1] 5,131	1,989	2,870	1,704	1,567	1,439	210	76	112	64	55	38
Feathers, crude, not dressed, do.	[2] 4,300	7,353	6,816	10,083	8,580	7,642	355	698	725	1,066	701	472
Feathers, dressed, and manufactures of							[1] 248	177	199	216	147	121
Glue of animal origin, 1,000 lbs.	2,390	2,449	2,547	2,888	1,995	1,233	384	421	426	506	409	248
Oyster shells, tons of 2,240 lbs.		[5] 46,151		42,749	49,553	53,189		[5] 470		444	496	511
Sponges, 1,000 lbs.	121	110	115	124	105	68	139	159	147	152	164	85
Wax manufactures, do.	[1] 1,562	1,373	1,242	567	384	108	368	267	250	126	84	32
Other animal products, inedible							463	1,767	2,309	1,630	868	898
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							674,083	519,463	529,363	508,864	353,589	256,320
A. Grains and preparations							474,262	318,570	315,695	286,357	191,343	106,045
Barley—												
Grain, 1,000 bus. of 48 lbs.	21,274	28,527	51,677	29,523	9,874	7,851	18,598	24,383	44,837	24,155	7,122	6,390
Malt, 1,000 bus. of 34 lbs.	5,072	2,982	3,260	3,381	2,085	692	5,773	3,074	3,608	3,334	1,940	653
Buckwheat, 1,000 bus. of 48 lbs.	215	186	161	191	8	341	254	195	169	213	9	226
Corn—												
Grain, 1,000 bus. of 56 lbs.	73,180	20,481	25,799	33,745	6,369	2,700	55,349	19,537	26,369	34,059	5,985	1,860
Meal and flour, 1,000 bbls. of 196 lbs.	568	330	273	267	208	178	2,535	1,611	1,348	1,330	1,007	677
Hominy and corn grits, 1,000 lbs.	[1] 87,440	17,078	11,542	14,384	6,181	9,422	[1] 1,570	353	291	305	144	156
Corn breakfast foods ready to eat, do.	[2] 5,860	7,279	6,729	6,157	5,105	2,329	[1] 403	559	521	525	414	218
Oats—												
Grain, 1,000 bus. of 32 lbs.	13,972	8,032	10,421	6,609	1,501	2,121	7,313	4,066	5,217	3,389	696	532
Oat meal, flaked and rolled oats, 1,000 lbs.	121,738	82,298	84,074	81,246	38,710	44,688	4,630	4,277	4,293	4,220	2,846	2,308

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Rice—												
Grain.....do....	316,330	226,777	288,702	315,441	213,066	208,681	11,876	8,962	10,878	12,129	8,526	6,477
Flour, meal, and broken rice.....do....		63,430	90,257	70,594	45,488	65,491		1,791	2,357	1,981	1,211	873
Rye—												
Grain.....1,000 bus. of 56 lbs..	34,453	13,216	14,499	3,434	266	121	38,938	14,637	17,378	3,613	235	59
Flour.....barrels of 196 lbs..	112,447	21,760	31,650	14,764	8,261	12	536	130	189	85	44	42
Wheat—												
Grain.....1,000 bus. of 60 lbs..	159,222	116,155	96,290	90,130	87,774	80,311	228,342	152,145	119,888	111,501	88,093	49,771
Flour.....1,000 bbls. of 196 lbs..	15,049	12,650	11,852	13,663	13,060	9,654	93,522	78,502	73,855	80,791	69,401	34,456
Bread, biscuits, cakes, and crackers..1,000 lbs..	11,327	11,238	10,675	10,618	9,474	5,269	1,658	1,974	1,966	2,031	1,613	908
Plain, not sweetened or flavored.....do....		7,063	6,754	6,743	6,925	4,020		1,063	1,093	1,115	995	616
Sweetened or flavored.....do....		4,175	3,921	3,875	2,549	1,249		912	873	916	618	292
Macaroni, spaghetti, and noodles.....do....	[1]7,674	9,236	9,979	10,740	8,719	4,613	[1]622	791	900	925	704	341
Wheat breakfast foods, ready to eat....do....	[1]6,118	3,353	2,062	1,962	1,089	892	[1]478	325	199	182	139	114
Wheat breakfast foods, to be cooked....do....			1,323	1,242	1,170	1,007			130	141	124	141
Cereal foods, n. e. s.....do....	[1,6]9,577	3,024	2,835	4,639	2,508	3,596	[6]1,530	355	335	496	289	282
Other grains and preparations of.....							950	900	967	952	801	560
B. Fodders and feeds.....							**26,736**	**27,180**	**30,894**	**32,746**	**11,127**	**13,767**
Hay.....tons..	36,576	11,625	14,471	11,073	5,216	5,319	747	256	303	267	118	95
Oil cake and oil-cake meal.....1,000 lbs..	1,165,577	1,199,315	1,186,934	1,278,525	511,391	910,992	24,695	24,392	27,198	28,414	9,706	11,181
Cottonseed cake.....do....	403,867	393,002	409,622	324,641	66,147	282,363	8,387	7,513	9,107	6,967	1,141	2,777
Linseed cake.....do....	553,808	568,669	547,476	711,684	360,593	444,058	12,149	12,465	13,086	16,604	7,046	6,390
Other oil cake.....do....	22,370	31,479	39,229	58,981	21,419	93,742	347	515	754	973	285	946
Cottonseed meal.....do....	156,065	183,310	171,396	149,352	37,186	69,191	3,196	3,410	3,806	3,128	700	729
Linseed meal.....do....	20,607	17,809	14,132	22,808	21,676	18,238	451	385	330	514	445	285
Other oil-cake meal.....do....	[1]11,075	5,046	5,080	11,059	4,370	3,400	[1]206	103	115	229	89	54
Kafir and milo.....1,000 bus. of 56 lbs..		[7]1,365	1,369	2,695	33	1,738		[7]1,187	1,194	2,338	30	863
Mixed dairy feeds.....tons of 2,240 lbs..		[5]1,920		2,071	1,770	1,827		[5]79		82	77	74
Mixed poultry feeds.....do....		[5]5,200		4,836	5,564	5,555		[5]265		255	275	212
Prepared and mixed feeds.....do....	14,644	24,010	26,987	14,231	6,775	5,382	578	930	1,000	595	384	385
Other feeds, including screenings.....do....	23,416	26,708	43,454	26,275	16,422	39,003	717	751	1,200	795	536	957
C. Vegetables and preparations.....							**19,086**	**22,057**	**22,664**	**25,329**	**19,525**	**12,712**
Beans, dried.....1,000 bus. of 60 lbs..	815	398	344	291	247	242	3,005	1,394	1,177	1,162	844	531
Peas, dried.....do....	95	142	223	114	86	68	418	587	899	484	365	258
Vegetables, fresh—												
Potatoes, white.....do....	3,056	2,349	2,698	2,735	1,899	1,060	3,823	2,956	2,254	3,223	2,212	901
Onions.....1,000 bus. of 57 lbs..	675	552	561	580	528	562	1,082	744	822	787	563	577
Other fresh vegetables.....1,000 lbs..	[1]90,212	160,564	156,109	199,045	189,727		3,212	5,184	5,087	6,340	5,872	4,228
Vegetables, canned.....do....	[1]49,378	80,959	91,083	93,813	67,707	40,708	4,902	7,820	8,691	9,454	6,721	4,148
Asparagus.....do....	[1]8,923	16,639	17,718	22,846	14,977	13,372	[1]1,582	2,533	2,705	3,547	2,285	1,934
Baked beans, and pork and beans.....do....	[1]7,172	12,436	14,017	7,665	9,696	7,209	[1]616	979	1,197	667	549	417
Corn.....do....	[1]4,598	6,360	7,990	8,366	6,112	3,149	336	484	582	629	494	252
Peas.....do....	[1]4,120	6,444	6,487	8,385	6,891	4,541	[1]386	566	574	740	603	401
Soups.....do....	[1]13,878	24,524	28,279	28,751	19,553	5,818	1,460	2,316	2,603	2,723	2,014	649
Tomatoes.....do....	[1]7,683	5,503	5,627	4,674	3,617	3,165	477	363	359	340	263	185
Other canned vegetables.....do....	[1]3,005	9,054	10,965	13,126	6,861	3,454	563	579	670	808	513	310

[1] Average for years 1922–1925.
[2] 1930 only.
[5] Average for years 1929 and 1930.
[6] "Cereal preparations other than oat meal and rolled oats" prior to 1922.
[7] Average for years 1928–1930.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Con.												
C. Vegetables and preparations—Continued.												
Pickles, Ketchup and other tomato sauces, Other sauces and relishes (1,000 lbs.)	[1] 10,816	3,361	4,487	4,136	2,790	1,685	1,691	309	393	386	296	199
		8,898	12,791	11,014	7,070	4,955		1,209	1,639	1,490	789	499
		3,152	3,060	3,732	3,414	1,967		670	684	770	691	398
Vinegar (1,000 gals.)	199	279	226	319	291	345	85	151	140	168	177	160
Yeast (1,000 lbs.)	[1] 2,846	3,588	3,516	3,584	3,714	3,094	728	664	245	653	677	560
Other vegetable preparations							[1] 175	367	634	412	317	253
D. Fruits and nuts							82,868	122,234	129,324	137,467	110,916	109,329
Fruits and preparations							81,465	120,781	127,795	135,987	109,671	108,191
Subtropical fruits—												
Grapefruit (1,000 boxes)	[1] 316	744	679	976	889	1,341	[1] 998	3,060	2,904	3,620	3,690	3,961
Lemons	210	265	251	266	206	258	997	1,342	1,430	1,410	1,098	1,107
Oranges	2,088	3,336	2,678	5,512	2,236	4,849	8,465	14,135	13,912	18,746	11,468	13,255
Pineapples (boxes)	[1] 36,564	50,862	44,093	50,791	29,691	53,043	[1] 145	162	146	149	96	155
Other fresh fruits—												
Apples in boxes (1,000 boxes)	[1] 4,909	8,102	8,149	9,453	9,577	9,966	[1] 11,400	17,418	17,431	20,671	18,542	17,608
Apples in barrels (1,000 bbls.)	1,493	2,502	1,829	2,468	2,091	2,606	7,988	12,408	9,232	12,467	10,123	11,552
Berries (1,000 lbs.)	[1] 9,668	11,226	14,240	14,729	7,266	7,089	952	1,163	1,434	1,425	908	742
Grapes	[1] 19,630	55,082	53,610	47,307	48,999	28,876	[1] 1,242	2,121	2,505	2,464	2,122	1,461
Pears	[1] 49,627	77,493	72,635	70,183	121,211	103,416	2,421	4,515	4,143	4,832	6,170	4,510
Peaches	[1] 15,082	17,411	22,181	19,957	12,734	10,897	[1] 639	666	730	806	492	339
Other fresh fruits	[1] 35,253	52,900	59,415	58,955	59,430		1,913	1,909	2,295	2,070	1,899	1,559
Dried and evaporated fruits	[1] 287,970	459,929	585,134	431,999	437,267	502,942	25,571	33,279	39,607	34,281	28,035	28,934
Dried fruits for salads		[2] 10,044			10,044	16,729		[2] 722			722	995
Pears		[3] 5,594		4,576	6,613	7,444		[3] 586		573	600	575
Raisins	84,548	163,551	226,490	149,687	123,105	135,754	8,188	10,170	12,670	8,390	6,310	7,925
Apples	21,304	31,781	35,086	37,889	29,939	36,361	2,478	3,563	4,145	4,633	3,067	3,144
Apricots	20,444	20,860	23,843	21,265	22,322	36,547	3,245	3,345	3,547	3,515	2,820	3,840
Peaches	6,855	7,217	9,810	7,786	6,638	9,392	693	766	963	842	581	762
Prunes	127,730	217,528	267,707	197,228	235,037	257,800	9,637	13,575	16,221	14,838	13,566	11,521
Other	[1] 11,702	14,747	22,198	13,569	3,569	2,915	1,330	1,480	2,061	1,489	369	172
Canned fruits	[1] 210,101	267,510	305,763	307,367	252,794	282,219	20,253	25,554	26,759	31,365	24,330	22,423
Grapefruit						8,295						623
Berries		[3] 9,810	13,089	12,684	6,566	7,758		[3] 1,054	1,334	1,308	766	789
Apples and apple sauce	[3] 13,470	17,651	21,447	22,963	15,648	18,594	[3] 799	986	1,188	1,185	823	848
Apricots	[3] 32,126	28,086	28,765	30,246	23,142	22,636	[3] 2,776	2,682	2,644	2,948	2,077	1,711
Cherries	[1] 1,720	1,880	2,202	2,069	1,409	855	[1] 277	304	346	353	225	117
Prunes	[3] 2,684	2,644	2,231	2,616	1,842	1,219	[3] 306	277	218	264	196	105
Peaches	[1] 62,198	80,501	96,237	90,041	71,451	76,861	5,525	7,040	7,667	8,316	6,103	5,487
Pears	[1] 53,906	60,872	78,266	56,075	56,903	85,279	5,918	6,195	7,507	6,242	5,493	6,214

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Pineapples	do	[1] 26,321	43,090	54,394	46,153	37,790	24,473	2,767	4,049	4,885	4,557	3,613	2,053
Fruits for salad	do		[5] 31,108		33,875	28,340	33,811		[5] 4,620		5,140	4,099	4,248
Other canned fruits	do	[1] 33,784	12,494	9,131	10,644	9,703	2,438	3,712	1,331	971	1,052	935	228
Preserved fruits, jellies, and jams	do	[1] 2,011	2,064	2,062	2,413	1,491	808	449	390	383	455	292	157
Other fruit preparations	do	8,258	23,061	34,455	23,915	5,085	5,760	917	2,659	4,885	1,225	407	428
Nuts	do	[1] 11,153	10,494	11,015	10,900	9,875	12,077	1,403	1,453	1,529	1,481	1,248	1,138
Peanuts	do	7,707	4,464	5,419	4,880	2,960	1,842	578	383	523	408	246	139
Other nuts	do	[1] 5,142	6,031	5,596	6,020	6,915	10,235	826	1,069	1,006	1,073	1,000	999
E. Vegetable oils and fats, edible	do	90,329	27,868	29,862	25,729	27,682	29,595	10,085	3,511	4,134	3,256	3,158	2,781
Coconut oil, refined	do						2,781						209
Cottonseed oil, refined	do	[10] 74,244	11,876	10,576	6,783	11,903	12,845	[10] 7,623	1,313	1,201	837	1,168	1,162
Soya bean oil	do	1,708	5,416	7,142	7,967	4,962	4,551	164	562	756	768	488	410
Corn oil	do	4,404	580	337	315	613	776	548	81	50	42	87	102
Cocoa butter	do	1,619	846	2,433	428	361	457	447	265	778	126	88	80
Vegetable-oil lard compounds	do	[1] 12,577	6,279	5,681	6,343	6,354	4,348	[1] 1,628	857	760	867	845	531
Other edible vegetable oils and fats	do		[8] 3,588	3,693	3,893	3,689	3,837		[8] 542	590	617	487	287
F. Cocoa and coffee	do	[1] 35,232	19,091	12,688	11,751	12,956	11,061	7,294	5,527	4,113	3,507	3,328	2,655
Cocoa, powdered	do	[1] 7,719	2,623	2,133	2,909	2,257	2,130	767	365	351	447	343	270
Chocolate, including sweetened	do		936	926	892	752	705		214	226	204	163	128
Coffee, green	do	26,775	12,209	6,440	3,728	6,010	5,361	5,716	3,481	2,066	980	1,293	1,081
Coffee, roasted	do	1,551	2,164	2,080	2,997	2,717	1,850	447	758	760	1,116	779	504
Coffee extracts and substitutes	do	[1] 749	1,159	1,109	1,225	1,220	1,015	[1] 454	709	710	761	750	672
G. Spices and food flavors								827	794	833	747	648	396
Spices	1,000 lbs	[1] 1,542	1,850	1,679	1,914	3,068	1,203	204	261	273	298	292	152
Flavoring extracts [11]	1,000 gals						32	623	463	560	449	356	244
H. Sugar and related products								51,526	18,052	20,077	17,524	11,764	7,423
Sugar, refined	1,000 lbs	882,928	214,102	245,173	205,278	155,627	105,155	39,926	7,268	8,548	6,104	3,807	2,238
Molasses	1,000 gals	4,253	7,950	10,693	8,577	10,227	6,919	622	722	959	769	1,000	371
Confectionery—													
Chocolate	1,000 lbs	11,349	1,993	2,091	2,096	1,721	1,152	2,103	582	620	622	495	294
Other	do		11,390	12,399	11,848	8,809	6,579		1,939	2,146	2,054	1,405	916
Chewing gum	do	[1] 3,143	3,826	3,028	3,616	3,692	2,790	1,292	1,624	1,353	1,547	1,438	1,120
Honey	do	8,357	8,585	10,752	8,676	3,686	4,183	362	765	971	775	324	303
Glucose (corn sirup)	do	175,229	119,088	122,762	118,523	71,804	62,239	5,464	4,065	4,280	4,412	2,636	1,855
Grape sugar (corn sugar)	do	7,874	6,965	8,374	7,239	3,010	2,516	274	245	295	269	118	92
Sirup, including maple	1,000 gals	5,166	2,829	3,024	3,176	1,612	811	1,485	842	905	973	541	234
I. Beverages								1,399	1,610	1,629	1,932	1,779	1,213
Malt extract and sirup	1,000 gals	240	465	519	467	443	296	166	390	429	399	369	259
Distilled liquors	1,000 pf. gals	238	191	216	383	27	31	641	87	102	169	13	16
Mineral waters, natural and artificial	1,000 gals	[1] 216	201	195	196	162	108	[1] 180	179	184	189	156	95
Fruit juices, sirups, and flavors for soda fountain	1,000 gals		[5] 362		323	400	336		[5] 620		607	633	505
Other beverages and fruit juices [11]	do	[1] 279	487	602	427	478	261	448	706	914	568	607	338

[1] Average for years 1922–1925. [2] 1930 only. [5] Average for years 1923–1925. [8] Average for years 1929 and 1930. [9] Average for years 1927–1930. [9] Average for years 1924 and 1925.
[10] Includes crude cottonseed oil for 1921. [11] "Fruit juices" are included with "Flavoring extracts" prior to 1924 and with "other beverages" thereafter.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							278,084	290,407	305,443	303,844	263,455	186,857
A. Rubber and manufactures							39,003	67,386	69,545	76,954	58,906	36,711
Rubber, reclaimed—1,000 lbs.	4,747	20,507	22,453	27,666	21,210	15,626	486	1,598	1,641	1,938	1,234	724
Rubber, scrap and old—do.	16,486	43,150	45,327	56,349	52,898	53,258	768	2,089	2,302	2,516	1,734	1,129
Rubberized automobile cloth—1,000 sq. yds.		[5] 1,615		1,971	1,259	908		[5] 811		1,011	612	394
Other rubberized piece goods and hospital sheeting—1,000 sq. yds.		1,687	1,774	1,659	1,342	1,229		795	862	741	592	480
Rubber footwear—												
Boots—1,000 pairs	487	1,126	1,263	1,511	968	720	1,166	2,495	2,817	3,148	2,063	1,547
Shoes—do.	1,481	2,283	2,525	3,398	2,097	875	1,369	2,418	2,758	3,736	2,433	717
Canvas shoes with rubber soles—do.	[1] 3,832	5,415	5,313	7,463	4,041	1,414	[1] 2,883	3,716	3,675	5,005	2,642	888
Rubber soles—1,000 doz. prs.		[7] 1,473	1,470	150	135	88	754	1,496	1,911	425	389	225
Rubber heels—do.				1,475	1,188	767				1,048	820	489
Rubber water bottles and fountain syringes—1,000 pieces		383	360	463	467	394	978	239	226	303	238	182
Rubber gloves—doz. pairs		96,610	94,364	122,138	120,668	90,278		277	273	318	307	221
Other druggists' rubber sundries								422	430	407	339	332
Rubber balloons—1,000 gross		[8] 688	625	815	751	657	[9] 1,135	943	751	880	768	594
Rubber toys and balls									203	195	137	109
Bathing caps—1,000 dozens	[9] 164	162	162	182	159	115	[9] 296	356	375	389	340	226
Rubber bands—1,000 lbs.		925	913	483	567	508		597	602	256	262	180
Rubber erasers—do.				577	507	401				368	308	239
Hard rubber goods—												
Electrical hard rubber goods—1,000 lbs.	[1] 752	1,388	1,626	1,978	1,251	1,325	[1] 256	271	328	261	172	145
Other hard rubber goods							[1] 500	388	353	440	360	228
Tires—												
Casings, automobile—thousands	[1] 1,392	2,387	2,504	2,796	2,505	1,771	16,288	30,092	31,065	33,480	27,767	18,093
Truck and bus—do.		[5] 370		287	453	398		[5] 8,808		7,555	10,062	7,575
Other automobile—do.		[5] 2,280		2,509	2,052	1,373		[5] 21,815		25,924	17,705	10,518
Tubes, automobile—do.	[1] 1,133	1,581	1,656	1,899	1,590	1,151	1,949	3,232	3,531	3,410	2,694	1,541
Other casings and tubes—do.	[1] 104	99	62	200	101	89	292	272	126	591	249	205
Solid tires—												
For automobiles and motor trucks—number	[1] 91,972	64,148	56,255	44,759	24,601	11,898	2,213	2,049	1,803	1,301	796	375
Other—1,000 lbs.	1,148	1,664	1,852	1,639	1,513	1,701	[1] 290	378	400	297	256	223
Tire sundries and repair materials							[1] 574	1,609	1,635	1,637	1,280	815
Rubber and friction tape—1,000 lbs.		1,492	1,590	1,795	1,500	1,122		438	483	511	415	296

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Rubber belting	do	[1] 3,447	4,808	4,887	5,670	4,298	3,191	1,852	2,675	2,785	3,056	2,195	1,382
Rubber hose	do	[1] 4,402	7,438	7,272	9,384	7,292	4,753	1,769	2,678	2,620	3,130	2,448	1,388
Rubber packing	do	[1] 1,628	2,351	2,629	2,593	1,971	1,275	742	1,096	1,213	1,183	877	525
Rubber thread	do	[1] 1,179	1,583	1,601	1,699	1,627	1,586	[1] 1,326	1,792	1,764	1,721	1,613	1,206
Other rubber manufactures								3,141	2,631	2,613	3,203	2,566	1,612
B. Naval stores, gums, and resins								**22,379**	**30,266**	**26,433**	**30,998**	**22,698**	**14,304**
Naval stores—													
Rosin	1,000 bbls.[12]	1,038	1,270	1,174	1,438	1,264	1,061	11,278	20,008	17,616	20,442	14,266	8,059
Gum rosin	do		1,105	1,022	1,241	1,070	907		17,596	15,563	17,706	11,880	6,923
Wood rosin	do		165	152	197	194	154		2,412	2,053	2,737	2,386	1,136
Gum spirits of turpentine	1,000 gals.	10,636	14,271	12,510	16,304	15,142	12,214	9,988	8,392	6,678	8,530	6,612	4,813
Wood turpentine	do	[1] 508	824	1,042	881	832	692	[1] 408	459	524	435	410	298
Tar and pitch of wood	barrels [12]	[13] 23,518	19,964	21,046	25,503	11,895	9,564	[13] 244	218	216	270	127	92
Other gums and resins	1,000 lbs.	[1] 2,171	4,253	4,821	4,687	4,905	4,440	[1] 679	1,188	1,399	1,319	1,282	1,043
C. Drugs, herbs, leaves, and roots, crude								**3,174**	**3,341**	**3,273**	**3,690**	**2,576**	**2,413**
Ginseng	1,000 lbs.	168	194	184	234	203	265	2,031	2,421	2,268	2,766	1,877	1,922
Other crude vegetable drugs	do	[1] 5,837	4,880	5,462	4,449	4,704	3,837	1,143	919	1,005	924	699	491
D. Oilseeds	do	**3,244**	**2,875**	**2,211**	**5,926**	**2,075**	**13,936**	**178**	**140**	**96**	**246**	**91**	**232**
E. Vegetable oils								**5,999**	**8,208**	**8,860**	**7,788**	**6,518**	**4,323**
Expressed oil and fats, inedible—													
Coconut oil	1,000 lbs.	14,579	23,132	24,653	29,532	25,107	15,307	1,316	1,907	2,088	2,329	1,791	761
Cotton seed oil, crude	do	[1] 27,999	31,115	41,126	19,292	16,394	9,733	[1] 2,474	2,581	3,456	1,551	1,228	582
Linseed oil	do	2,320	2,171	1,965	2,208	1,592	1,094	364	257	228	288	214	111
Vegetable soap stock	do	[1] 6,307	10,955	7,529	7,633	16,952	24,894	[1] 374	647	492	544	971	1,052
Other expressed oils and fats	do		7,495	8,190	8,127	3,861	4,534	832	788	709	641	321	346
Essential or distilled oils—													
Peppermint	do	120	183	177	222	233	230	511	701	604	795	700	438
Orange	do		[5] 36		43	28	12		[5] 110		160	59	28
Pine	1,000 gals.		[5] 413		480	346	391		[5] 215		234	195	224
Other	1,000 lbs.	[1] 1,028	2,786	4,069	2,180	996	1,363	698	1,197	1,283	1,246	1,039	782
F. Dyeing and tanning materials								**2,272**	**2,205**	**2,745**	**2,329**	**1,898**	**1,589**
Dye extracts—													
Logwood extracts (include hematine crystals)	1,000 lbs.	[1] 2,072	2,111	2,099	2,025	1,846	1,602	349	213	209	208	193	165
Other dye extracts	do	[1] 2,000	695	940	529	289	551	472	87	99	66	36	44
Dyeing and tanning materials, crude	tons	2,692	1,595	3,453	928	724	1,717	96	70	119	52	39	36
Tanning extracts—													
Chestnut	1,000 lbs.	[1] 8,297	5,949	10,652	5,065	1,975	1,624	[1] 268	183	351	134	77	59
Other (vegetable and chemical)	do	[1] 22,535	31,598	38,200	35,201	28,919	28,089	1,141	1,651	1,967	1,869	1,553	1,285

[1] Average for years 1922–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1930.
[9] Average for years 1924 and 1925.
[12] Of 500 pounds.
[13] Tar, turpentine, and pitch prior to 1922.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 2. VEGETABLE PRODUCTS, INEDIBLE—Contd.												
G. Seeds, except oilseeds ..... 1,000 lbs	[1] 33,006	28,743	24,794	26,891	29,868	20,468	3,822	3,488	2,700	3,302	3,804	2,307
Field and garden seeds—												
Alfalfa ..... do	[1] 780	915	782	826	833	218	[1] 138	189	147	168	193	43
Red clover ..... do	2,935	676	456	524	535	670	611	144	66	91	96	99
Other clover ..... do		698	390	427	709	257		133	66	75	79	52
Timothy ..... do	17,183	13,520	12,220	9,195	15,829	10,476	1,262	880	659	590	1,244	736
Other grass seeds ..... do	4,610	6,284	5,258	8,194	6,419	5,190	747	974	694	1,078	1,128	643
Other field seeds ..... do		2,931	2,374	3,214	2,269	1,297	1,092	254	162	190	140	56
Vegetable and flower seeds ..... do		3,719	3,314	4,511	3,274	2,360		914	905	1,109	924	680
H. Nursery and greenhouse stock							439	676	817	913	726	392
Flowers, cut							110	171	179	215	153	105
Fruit stock, cuttings, or seedlings ..... thousands		2,713	3,043	3,948	2,872	1,055		165	280	189	155	87
All other nursery or greenhouse stock, plants, and bulbs							329	340	358	509	419	200
I. Tobacco and manufactures							187,219	163,311	179,159	165,579	158,206	119,488
Tobacco, unmanufactured ..... 1,000 lbs	502,969	545,676	583,846	565,902	579,704	524,470	164,595	144,549	154,465	146,083	145,609	110,780
Leaf tobacco ..... do	487,157	535,348	575,412	555,347	560,958	503,545	163,883	144,115	154,133	145,763	144,593	109,628
Bright flue-cured ..... do	[2] 241,259	366,638	434,898	410,837	397,695	388,252	[2] 98,352	114,217	128,948	116,933	113,386	88,993
Burley ..... do	[2] 6,472	9,215	6,544	5,336	9,624	8,919	[2] 1,747	1,650	1,198	1,203	2,073	1,588
Dark-fired Kentucky and Tenn ..... do	[2] 146,027	100,217	84,014	79,777	105,440	67,971	[2] 25,908	16,004	13,242	15,528	17,931	10,081
Dark Virginia ..... do	[2] 33,258	20,173	18,695	24,122	15,379	11,430	[2] 13,831	4,735	3,847	4,434	4,067	2,564
Maryland and Ohio export ..... do	[2] 14,935	13,175	10,947	11,577	9,721	7,549	[2] 2,839	2,358	2,069	2,465	2,227	2,323
Green River ..... do	[2] 16,088	13,831	8,368	10,362	7,919	5,347	[2] 3,550	2,515	1,368	2,233	1,911	1,459
One-sucker leaf ..... do			3,227	3,213	2,789	1,477			539	716	491	162
Black fat, water baler, dark African ..... do		[2] 3,962	1,500	5,655	8,074	8,673		[2] 836	287	1,229	1,709	1,673
Cigar leaf ..... do	[2] 912	2,075	662	4,409	4,153	3,794	[2] 470	640	574	999	724	725
Other leaf tobacco ..... do	[2] 37,608	6,856	6,556	60	164	133	[2] 9,532	1,328	2,061	25	74	60
Stems, trimmings, and scrap tobacco ..... do	15,811	10,327	8,434	10,555	18,746	20,925	712	433	332	319	1,016	1,152
Tobacco manufactures							22,624	18,762	24,694	19,495	12,597	8,709
Cigarettes ..... millions	10,182	8,344	11,706	8,456	4,927	2,968	19,631	16,137	22,059	16,706	10,187	6,751
Chewing tobacco, plug and other ..... 1,000 lbs	3,538	3,624	3,832	3,886	3,024	2,604	1,775	1,774	1,861	1,944	1,426	1,114
Smoking tobacco (including cigar cuttings) ..... 1,000 lbs	2,386	1,128	1,015	1,120	1,335	1,046	931	727	644	734	893	775
Other tobacco manufactures ..... do		264	238	198	139	80	288	124	129	111	91	69

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J. Miscellaneous vegetable products								13,593	11,406	11,815	12,046	8,030	4,597
Starch—													
Cornstarch and corn flour	1,000 lbs.	250,075	214,430	236,746	235,042	153,702	87,719	7,069	7,165	7,893	8,858	5,361	2,787
Other starch	do.	15,592	8,232	4,336	3,779	1,844	1,607	460	289	196	182	110	85
Broom corn	tons	4,122	4,283	4,513	4,371	4,403	4,033	668	556	634	597	531	310
Brooms	dozens	[1] 19,367	17,718	15,942	18,705	17,167	14,697	112	91	85	89	81	57
Hops	1,000 lbs.	18,286	10,051	7,985	7,677	7,640	3,797	4,830	2,242	1,804	1,384	1,144	591
Other inedible vegetable products								454	1,063	1,203	936	803	767
GROUP 3.—TEXTILES													
Total								997,187	954,913	1,124,489	979,225	639,907	423,757
A. Cotton, unmanufactured	1,000 bales	6,639	8,287	8,733	7,581	6,597	6,956	804,985	765,674	920,009	770,830	496,798	325,667
	1,000 lbs.	3,420,480	4,328,362	4,579,426	3,981,509	3,492,234	3,666,956						
Raw cotton, except linters	1,000 bales	6,528	8,112	8,546	7,418	6,480	6,851	801,370	759,985	912,849	764,760	493,632	323,795
	1,000 lbs.	3,363,726	4,227,832	4,471,842	3,884,766	3,421,987	3,602,989						
Long staple (1⅛ inches or over)—													
Sea-island American-Egyptian (Pima)	1,000 bales		[3] 4		5	3	1		[5] 671		849	493	67
	1,000 lbs.		2,088		2,493	1,682	336						
Other	1,000 bales		878	1,105	574	229	161	235,711	89,318	123,296	62,413	20,555	8,963
	1,000 lbs.	1,150,598	458,897	579,567	300,403	115,911	83,225						
Short staple (under 1⅛ inches)	1,000 bales	[1] 5,382	7,232	7,441	6,839	6,248	6,689	[7]707,074	670,399	789,552	701,498	472,584	314,765
	1,000 lbs.	[2] 2,766,410	3,768,101	3,892,276	3,581,870	3,304,394	3,519,428						
Linters	1,000 bales	111	175	186	163	117	105	3,615	5,690	7,160	6,070	3,166	1,873
	1,000 lbs.	56,704	100,530	107,584	96,743	70,247	63,967						
B. Cotton semimanufactures	do.	88,293	107,562	109,668	108,163	78,093	67,991	15,395	21,237	24,225	23,897	15,007	9,815
Cotton-mill waste	do.	59,245	66,157	63,429	59,130	44,914	44,296	6,739	6,561	7,119	6,744	4,211	2,897
Cotton rags, except paper stock	do.	13,559	16,207	19,199	21,096	12,741	8,995	967	1,145	1,428	1,542	885	638
Cotton batting, carded cotton, and roving	1,000 lbs.		[7] 389	415	446	306	427		[7] 71	76	86	51	62
Cotton yarn—													
Carded yarn, not combed	do.	15,489	13,507	13,160	13,919	8,164	6,773	7,690	4,585	4,877	4,682	2,407	1,492
Combed yarn	do.		11,458	13,465	13,572	9,967	7,499		8,903	10,725	10,843	7,452	4,725
Mercerized	do.		[8] 10,102	11,098	12,046	8,690	6,477		[8] 8,445	9,490	10,039	6,840	4,353
Not mercerized	do.		[8] 1,911	2,367	1,526	1,277	1,022		[8] 961	1,235	804	612	372
C. Cotton manufactures								117,657	102,842	110,419	111,218	73,677	50,255
Cotton thread and cordage—													
Sewing thread	1,000 lbs.	[1] 1,400	1,113	1,031	1,054	939	868	1,660	1,136	1,023	1,150	1,099	836
Crochet, darning, and embroidery cotton	1,000 lbs.	[1] 186	104	135	83	45	22	[1] 202	125	160	97	52	32
Twine and cordage	do.	[1] 3,558	4,266	3,755	4,588	3,445	2,612	[1] 1,569	1,629	1,491	1,812	1,286	758
Cotton cloth, duck, and tire fabric	1,000 sq. yds.[14]	524,932	521,180	546,847	564,447	416,285	366,959	79,875	72,288	79,299	79,413	51,385	35,783
Tire fabric—													
Cord	do.		2,980	4,742	4,970	946	685		1,296	2,113	2,217	356	222
Other	do.		1,265	1,668	1,355	559	594		413	524	473	212	151

[1] Average for years 1922–1925.
[2] Average for years 1926–1930.
[3] Average for years 1923–1925.
[4] Average for years 1927–1930.
[5] Average for years 1929 and 1930.
[14] Stated in thousands of linear yards prior to Jan. 1, 1922.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 3. Textiles—Continued.												
C. Cotton manufactures—Continued.												
Cotton cloth, duck, and tire fabric—Contd.												
Cotton duck.....1,000 sq. yds.[14]	9,597	13,048	18,847	15,120	9,808	8,149	4,229	4,391	4,776	5,233	3,023	1,838
Heavy filter, paper dryer, hose, and belting duck.....1,000 sq. yds		[7] 586	640	689	429	452		[7] 372	451	422	242	257
Unbleached (gray).....do	7,451	9,679	9,905	10,295	7,101	6,025	3,410	3,201	3,316	3,435	2,084	1,199
Ounce.....do		[8] 5,290	5,162	6,046	3,953	3,294		[8] 1,449	1,488	1,712	959	545
Numbered.....do		[8] 4,518	4,743	4,249	3,148	2,731		[8] 1,699	1,828	1,723	1,125	654
Bleached.....do	1,330	1,724	1,935	2,293	1,211	1,138	520	540	558	744	336	231
Colored.....do	817	1,293	1,367	1,843	1,067	534	300	427	451	632	361	151
Cotton cloth.....do	515,335	503,888	526,590	543,003	404,970	357,529	75,646	66,188	71,885	71,490	47,794	33,573
Unbleached (gray).....do	147,866	122,034	124,294	137,857	102,692	97,721	16,347	11,178	11,712	12,445	7,924	5,886
Drills and twills.....do		[7] 11,649	13,431	12,357	9,160	7,803		[7] 1,405	1,664	1,573	977	631
Sheetings, 40 inches and under.....do		[7] 71,526	73,485	82,284	58,808	62,799		[7] 6,030	6,586	7,174	4,330	3,467
Sheetings over 40 inches.....do		[7] 1,476	1,628	1,561	1,239	566		[7] 163	191	171	127	47
Osnaburgs.....do		[7] 19,970	20,275	22,581	17,053	16,772		[7] 1,976	2,083	2,292	1,553	1,133
All other.....do		[7] 16,993	15,474	19,074	16,432	9,781		[7] 1,121	1,189	1,236	937	608
Bleached.....do	87,278	87,023	96,269	89,280	63,906	54,434	12,658	10,199	11,098	10,590	6,951	4,921
Drills and twills.....do		[5] 4,085		4,484	3,685	2,441		[5] 618		678	557	336
Pajama checks.....do		[5] 8,833		10,421	7,244	4,059		[5] 879		1,076	681	303
Sheetings—												
40 inches wide and under.....do		[5] 25,104		33,575	16,632	13,551		[5] 2,784		3,849	1,719	1,087
Over 40 inches wide.....do		[5] 8,654		12,961	4,346	3,021		[5] 1,141		1,712	569	332
All other bleached.....do		[5] 29,919		27,839	31,999	31,362		[5] 3,350		3,274	3,425	2,863
Colored.....do	280,191	294,831	306,028	315,865	238,372	205,374	46,641	44,811	49,076	48,455	32,919	22,766
Voiles.....do		[7] 50,645	46,020	56,379	49,535	41,157		[7] 7,139	7,327	8,049	6,042	4,390
Percales and prints—												
32 inches and narrower.....do		[7] 27,291	33,522	29,991	18,361	13,775		[7] 2,795	3,549	3,114	1,723	1,076
Over 32 inches wide.....do		[7] 11,770	11,863	11,595	11,852	11,756		[7] 1,549	1,577	1,610	1,459	1,230
Flannels and flannelettes.....do		[7] 3,887	4,898	4,452	2,310	1,785		[7] 576	728	685	315	214
Khaki and fustians.....do		[7] 4,190	4,342	4,526	3,702	3,304		[7] 828	876	904	704	532
Denims.....do		[7] 16,238	14,518	17,230	16,966	17,577		[7] 2,845	2,857	3,152	2,526	2,050
Suitings (drills, etc.).....do		[7] 26,049	27,223	30,344	20,581	17,766		[7] 4,241	4,618	4,928	3,177	2,314
Ginghams.....do		[7] 11,169	13,324	14,002	6,180	4,228		[7] 1,196	1,512	1,466	610	347
Chambrays.....do		[7] 15,345	12,339	16,448	17,247	15,485		[7] 1,608	1,372	1,751	1,702	1,217
All other printed fabrics—												
7½ and more yds. per lb.....do		41,327	40,912	27,555	15,423	19,271		6,899	7,315	4,451	2,504	2,364
Less than 7½ yds. per lb.....do				20,852	19,239	17,777				3,693	2,734	1,974

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All other piece-dyed fabrics—												
5 and more yds. per lb. ..... do....	}	[7] 45,227	58,681	{ 24,718	17,471	18,632	}	[7] 9,247	9,470	{ 3,705	2,347	1,883
Less than 5 yds. per lb. ..... do....				19,201	15,610	8,790				2,808	2,027	978
All other yarn-dyed fabrics ..... do....	.....	[7] 18,558	23,309	19,807	12,557	8,977	.....	[7] 2,811	3,715	2,963	1,754	989
Cotton and rayon mixtures (cotton chief value) ..... 1,000 sq. yds..	.....	[7] 15,060	15,077	18,766	11,338	5,094	.....	[7] 4,209	4,158	5,174	3,295	1,208
Other cotton fabrics—												
Blankets ..... 1,000 lbs..	[1] 1,421	1,453	1,353	1,569	1,267	652	894	834	817	885	682	288
Damasks ..... 1,000 sq. yds..	[1] 518	549	780	780	506	307	[1] 178	161	213	245	141	64
Pile fabrics, plushes, velveteens, and corduroys ..... 1,000 sq. yds..	[1] 421	507	635	494	398	448	[1] 399	441	513	412	305	234
Tapestries and other upholstery ..... do....	[1] 96	214	432	293	202	55	[1] 126	196	258	305	217	57
Cotton fabrics sold by the pound.. 1,000 lbs..	3,902	6,303	9,004	10,130	6,027	8,243	[1] 1,915	2,367	3,337	3,756	2,015	2,081
Cotton wearing apparel	.....	.....	.....	.....	.....	.....	21,284	14,722	14,339	14,768	10,227	6,174
Knit goods—												
Gloves ..... doz. prs..	[1] 72,034	119,845	88,300	125,563	104,836	79,961	[1] 130	209	158	219	186	112
Hosiery ..... 1,000 doz. prs..	4,564	3,798	3,877	3,778	2,253	1,122	9,114	6,518	6,729	6,442	3,684	1,687
Women's ..... do....	.....	[7] 1,676	2,032	1,942	1,054	593	.....	[7] 2,980	3,701	3,442	1,796	908
Children's ..... do....	.....	[7] 673	715	751	552	260	.....	[7] 1,035	1,125	1,144	837	358
Men's socks ..... do....	.....	[7] 954	1,130	1,084	647	269	.....	[7] 1,603	1,903	1,856	1,051	421
Underwear ..... 1,000 doz..	[1] 1,234	625	584	611	471	301	4,476	2,353	2,108	2,194	1,710	881
Sweaters, shawls, and other knit outerwear ..... 1,000 pcs..	.....	484	566	505	268	178	455	398	461	420	203	102
Other wearing apparel—												
Collars and cuffs ..... 1,000 doz..	[1] 343	273	287	231	129	55	522	402	425	311	180	76
Overalls, breeches, pants ..... doz..	[1] 15,040	31,670	33,255	53,965	46,426	39,020	[1] 247	389	421	663	525	370
Underwear, not knit ..... 1,000 doz..	[1] 190	139	120	117	96	66	1,021	646	581	539	437	276
Shirts ..... do....	[1] 216	204	184	236	189	180	2,918	1,978	1,769	2,073	1,722	1,455
Dresses, skirts, and waists ..... 1,000 pcs..	[1] 363	430	456	610	640	848	[1] 425	426	511	596	572	657
Other cotton clothing	.....	.....	.....	.....	.....	.....	[1] 2,299	1,402	1,176	1,311	1,008	558
Other cotton manufactures—												
Handkerchiefs ..... 1,000 doz..	[1] 344	212	238	214	123	83	[1] 242	141	156	145	81	56
Laces, embroideries, and lace window curtains ..... 1,000 yds..	7,005	5,553	5,431	4,265	2,693	1,574	420	206	211	216	127	86
Woven belting for machinery ..... 1,000 lbs..	[8] 407	450	478	424	276	179	[8] 197	263	285	242	172	97
Cotton bags ..... do....	[1] 3,874	6,728	9,354	5,906	5,195	4,232	[1] 1,192	1,495	2,065	1,210	1,101	961
Quilts, comforts, counterpanes, etc. number..	[1] 82,121	141,982	193,898	184,863	154,180	93,571	[1] 154	210	275	273	212	115
Bed sheets, pillow, bolster, and mattress cases ..... doz..	[1] 18,493	27,803	29,326	36,803	30,228	16,972	[1] 176	209	218	277	206	84
Towels, bath mats, wash cloths.. 1,000 doz..	[1] 389	633	784	907	539	389	[1] 890	1,009	1,097	1,327	796	500
Other cotton manufactures	.....	.....	.....	.....	.....	.....	7,771	5,410	4,661	4,686	3,573	2,050
D. Jute manufactures	.....	.....	.....	.....	.....	.....	2,769	3,984	3,745	5,136	4,034	3,194
Jute yarn, cordage, and twine ..... 1,000 lbs..	[1] 1,028	998	1,247	931	935	535	[13] 196	171	195	154	139	67
Bags of jute ..... do....	[1] 31,062	33,378	30,161	42,864	39,755	36,821	2,142	3,428	3,150	4,647	3,628	3,036
Other jute manufactures ..... do....	.....	[5] 3,692	.....	4,084	3,300	1,183	[1] 539	385	400	336	267	91

[1] Average for years 1922–1925.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1930.
[14] Stated in thousands of linear yards prior to Jan. 1, 1922.
[15] Data prior to 1922 are all twine of vegetable fibers other than binder twine.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 3.—Textiles—Continued												
E. Flax, hemp, and ramie manufactures							[1] 378	523	519	656	526	262
F. Other vegetable fiber manufactures							9,480	5,900	6,344	6,704	4,600	4,385
Cordage, except of cotton or jute—												
Binder twine, 1,000 lbs	61,289	22,817	30,525	16,779	10,996	10,026	7,140	2,652	3,303	1,792	1,201	707
Manila cordage, do	[16] 6,899	4,465	4,329	4,328	3,936	2,026	[16] 1,206	858	767	793	684	314
Sisal or henequen cordage, do		1,895	4,899	1,948	744	136		202	478	207	87	16
Other cordage, do		492	533	635	339	190		91	107	104	65	26
Oakum, do	1,761	2,012	2,098	2,469	1,602	1,069	144	171	173	199	136	82
Other vegetable fiber, straw, or grass manufactures							990	1,925	1,517	3,608	2,427	3,240
I. Wool and mohair, unmanufactured, 1,000 lbs	699	300	485	239	162	274	204	121	180	88	75	70
J. Wool semimanufactures, do	9,293	18,309	18,271	10,785	11,274	8,068	934	1,139	1,649	922	926	513
Wool rags, do	8,580	12,544	17,397	10,215	10,526	7,595	641	906	1,366	755	615	382
Wool noils and waste, do	[1] 774	706	828	540	599	401	[1] 138	144	195	105	142	48
Wool yarns, do	[1] 118	59	45	31	149	72	[1] 229	89	89	63	169	83
K. Wool manufactures							6,708	4,437	4,870	5,360	4,023	2,484
Fabrics wholly or chiefly of wool—												
Wool cloth and dress goods, 1,000 lbs	938	328	345	335	278	158	1,869	621	653	601	507	300
Wool cloth and dress goods, 1,000 yds	1,401	471	498	448	356	194						
Mohair cloth, 1,000 lbs	[1] 97	60	83	75	41	25	[1] 216	173	181	242	145	106
Mohair cloth, 1,000 yds	[1] 184	107	133	120	70	41						
Other wool fabrics, 1,000 lbs	[1] 112	49	58	59	42	18	[1] 156	76	98	90	61	26
Carpets and rugs of wool, sq. yds	[1] 79,338	115,071	124,600	183,975	90,106	36,545	[1] 234	439	667	621	292	154
Wool felts, 1,000 lbs	[1] 408	271	238	350	186	73	[1] 519	348	305	362	217	109
Wool wearing apparel—												
Knitted bathing suits, dozen		[8] 26,993	26,036	32,492	37,407	25,808	[1] 440	828	723	1,095	1,253	780
Other knit goods, do								[8] 366	467	399	202	139
Men's and boys' overcoats, suits, pants, 1,000 pieces		148	136	155	88	54	1,412	601	654	716	440	282
Women's and children's wool clothing, 1,000 pieces		50	54	55	47	43	1,012	414	456	464	393	285
Other wool or mohair manufactures							1,163	645	667	770	513	303
L. Hair and manufactures, 1,000 lbs	[1] 16,249	20,171	23,981	22,355	18,362	15,373	1,693	2,468	2,686	2,659	1,929	1,252
Hair, unmanufactured—												
Cattle, do	[1] 15,821	8,109	10,664	10,199	6,222	2,859	1,414	810	904	1,093	669	210
Other, do		11,013	12,065	10,516	11,746	12,216		1,355	1,452	1,199	1,076	915
Hair manufactures, do	[1] 428	1,049	1,252	1,641	394	298	279	302	330	367	184	127

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N. Silk manufactures							12,992	17,293	18,648	20,389	14,341	9,562
Tram, organzine, hard twists, and spun silk—pounds	[1] 86,840	151,454	174,539	185,152	178,845	196,994	[1] 392	813	951	1,022	827	738
Sewing, embroidery, and crochet silk—do	[1] 81,288	76,540	78,368	69,250	63,166	53,471	[1] 623	567	622	515	387	261
Fabrics wholly or chiefly of silk—												
Satins and other for shoes—1,000 yds.	2,568	3,498	5,855	245	223	132	3,146	3,529	3,448	484	488	257
Other broad silks—do				3,015	2,664	2,462				3,652	2,935	2,108
Velvets, plushes, and chenilles, including ribbon—pounds	[1] 68,962	29,892	17,836	31,444	32,063		[1] 223	101	62	105	130	171
Silk ribbons, except velvet and plush—1,000 yds.	[3] 7,094	3,087	2,750	2,326	2,292	1,519	[1] 489	172	127	135	129	69
Silk wearing apparel—												
Underwear—number	[1] 70,323	68,167	50,850	79,107	56,263	44,645	[1] 155	134	105	153	101	68
Dresses, skirts, waists, and blouses—do	[1] 79,484	186,775	197,040	284,229	234,312	198,097	[1] 893	1,627	1,818	2,264	1,840	1,304
Hosiery—1,000 doz. pairs	[1] 685	835	899	922	613	416	[1] 6,271	8,531	9,657	9,811	6,170	3,449
Women's seamless—do		[7] 65	96	68	32	30		[7] 520	737	581	243	171
Women's full fashioned—do		[7] 616	657	700	492	342		[7] 7,328	8,114	8,406	5,465	3,080
Children's—do		[7] 11	17	11	6	3		[7] 41	65	36	21	12
Men's socks—do		[7] 119	130	143	83	41		[7] 657	742	789	441	186
Other silk wearing apparel							[1] 658	538	612	730	455	233
Other silk manufactures							1,361	1,281	1,245	1,517	879	904
O. Rayon manufactures							6,951	6,908	6,351	7,223	5,907	3,849
Yarn—1,000 lbs.	[17] 148	313	196	223	345	314	[17] 290	442	291	286	356	251
Embroidery, crochet, and knitting thread—1,000 lbs.		[7] 15	19	17	8	7		[7] 43	51	54	25	14
Tapestry and drapery fabrics—1,000 sq. yds.		[7] 73	90	76	52	34		[7] 66	68	81	50	26
Woven and knit dress and piece goods—1,000 sq. yds.		[7] 4,626	3,019	4,459	6,400	5,763		[7] 2,152	1,288	2,295	2,872	2,065
Hosiery—1,000 doz. pairs	1,126	1,035	1,091	1,079	583	311	4,794	3,418	3,613	3,200	1,617	749
Women's—do		[7] 459	616	519	241	154		[7] 1,577	2,279	1,682	771	399
Children's—do		[7] 100	106	115	78	27		[7] 225	287	247	160	52
Men's socks—do		[7] 359	369	445	264	130		[7] 1,008	1,067	1,272	686	298
Knit underwear—dozens		32,241	40,300	54,641	49,763	56,580		248	335	408	319	268
Ribbons, braids, fringes, and narrow trimmings—1,000 yds.		3,528	3,633	3,233	3,719	2,832		[7] 111	114	107	112	78
Other rayon manufactures							2,099	1,377	591	791	566	398
P. Miscellaneous textile products							17,117	22,386	24,845	24,144	18,066	12,449
Linoleum—1,000 sq. yds.	3,715	1,192	1,721	1,572	788	386	1,578	809	1,173	1,041	551	241
Felt base floor coverings—do		4,225	5,198	5,194	4,355	2,671		1,542	1,855	1,923	1,534	787
Oilcloth—do	[1] 9,002	10,085	10,764	10,586	9,215	8,058	2,085	2,214	2,344	2,353	1,830	1,295
Window-shade and book cloth—do	[3] 1,921	3,042	2,866	3,326	3,241	2,198	[1] 415	561	533	575	592	333
Waterproofed auto cloth [18]—do	[3] 2,285	1,637	2,349	971	494	241	[1] 1,190	887	1,287	538	266	130
Pyroxylin leather cloth—1,000 sq. yds.	[3] 4,455	5,162	6,202	2,913	2,420	1,281	2,420	2,964	3,555	1,707	1,319	644
Other leather cloth—do				2,493	1,532	1,268				1,371	824	613
Waterproofed outer garments—thousands		371	372	533	377	320	[1] 605	768	777	1,063	759	594

[1] Average for years 1922–1925. [3] Average for years 1923–1925. [7] Average for years 1928–1930. [8] Average for years 1927–1930.
[16] Data prior to 1922 are "cordage of all vegetable fibers." [17] 1925 only. [18] "Waterproofed auto cloth and rubberized fabrics" prior to 1926.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 3.—TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Corsets, brassieres, and girdles...1,000 pieces	[1] 691	1,361	1,387	1,396	1,191	1,074	1,847	1,845	1,786	1,882	1,475	1,291
Pajamas, nightshirts, and gowns.....dozens	----------	[7] 15,178	13,220	17,230	15,085	18,500	----------	[7] 167	152	193	156	158
Hats of straw or fiber and materials							983	516	534	644	590	498
Hat braid of straw or other fiber...1,000 yds	[1] 15,855	8,194	9,435	7,352	7,999	4,757	[1] 150	95	88	67	146	107
Hats of straw, palm leaf, etc.....1,000 hats	[1] 528	599	725	944	668	521	863	419	445	577	444	391
Hats and caps, except straw or other fiber—												
Men's and boys' fur-felt hats....thousands	[1] 327	381	474	384	288	166	1,042	1,744	2,047	1,830	1,325	659
Women's and children's fur-felt hats...do		64	84	78	61	62		189	218	237	155	130
Wool-felt hats.....do	[1] 205	271	453	424	186	145	[1] 374	289	384	410	244	146
Other hats and caps.....do	[1] 1,328	1,039	1,131	1,118	845	747	[1] 1,135	776	854	672	513	358
Hat trimmings, artificial flowers, etc							723	373	455	375	220	167
Mattresses, cotton, kapok, moss, hair...number	[1] 12,472	25,248	28,295	34,282	29,876	15,984	[1] 109	173	173	215	243	97
Absorbent cotton, gauze, and sterilized bandages.....1,000 lbs	[8] 2,934	3,410	3,275	3,688	3,722	3,080	[8] 2,118	2,278	2,238	2,476	2,242	1,512
Elastic webbing.....1,000 yds	----------	[7] 31,681	32,647	34,851	27,545	19,175	----------	[7] 1,278	1,297	1,476	1,062	675
Garters and arm bands.....1,000 doz. prs	[1] 482	528	567	477	269	121	[1] 682	775	835	762	427	196
Suspenders and braces.....dozens	[1] 58,662	25,649	27,166	21,715	12,848	7,339	[1] 196	87	92	80	48	25
Other textile manufactures							[1] 2,097	2,730	2,255	2,322	1,754	1,900
GROUP 4.—WOOD AND PAPER												
Total							153,088	187,410	200,755	210,844	158,860	97,972
A. Wood unmanufactured							8,123	12,841	15,784	15,287	9,530	6,311
Logs and hewn timber—												
Hardwoods.....1,000 ft. b. m	15,446	16,358	16,411	16,989	16,750	19,149	1,008	1,160	1,297	1,235	1,161	769
Ash and hickory.....do	----------	[5] 4,931	----------	3,193	6,670	3,508	----------	[5] 295	----------	197	393	183
Walnut.....do	----------	[5] 1,580	----------	2,176	984	387	----------	[5] 356	----------	428	284	151
Other hard woods.....do	----------	[5] 10,358	----------	11,620	9,096	15,254	----------	[5] 547	----------	610	484	435
Softwoods—												
Southern pine.....do	109,275	6,352	2,463	10,286	1,454	762	3,376	263	101	425	67	30
Douglas fir.....do		39,258	34,483	57,508	43,488	23,135		567	515	713	602	258
Cedar.....do		175,861	261,520	176,379	115,968	115,972		4,027	5,953	3,934	2,542	2,162
Hemlock.....do		----------	----------	----------	----------	63,477		----------	----------	----------	----------	838
Other soft woods.....do		98,625	116,136	117,876	127,866	43,916		1,371	1,670	1,534	1,771	449
Railroad ties.....thousands	2,702	3,637	4,163	5,046	1,664	2,132	2,978	3,323	3,574	4,334	1,641	1,367
Hardwood.....do	[1] 564	291	296	581	158	43	[1] 799	271	281	470	161	46
Softwood.....do	[1] 2,026	2,529	2,949	3,614	976	1,540	[1] 1,826	1,938	2,088	2,579	683	657
Creosoted or otherwise preserved.....do	----------	817	918	851	530	549	----------	1,114	1,205	1,285	797	664

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Piling	1,000 lin. ft.	1,514	5,389	6,458	6,892	4,436	3,213	[1] 433	1,349	2,047	1,719	764	351
Telegraph, trolley, and electric-light poles	number	[1] 51,766	112,177	89,237	189,977	173,346	33,157	[1] 274	579	429	1,107	833	197
Firewood and other unmfr'd	1,000 cu. ft.	[1] 2,245	2,838	2,931	2,951	2,607	2,174	195	201	198	284	148	90
B. Wood, semimanufactures—sawmill products								85,078	100,571	108,798	110,637	78,402	45,070
Sawed timber	1,000 ft. b. m.	475,659	689,323	756,966	699,219	491,569	407,290	14,748	17,685	19,444	17,492	12,634	7,510
Softwoods—													
Southern pine	do	147,638	145,719	160,740	127,351	140,430	88,243	5,576	6,256	6,751	5,511	6,156	3,274
Douglas fir	do	322,522	505,683	556,224	541,269	330,758	302,939	8,839	10,150	11,262	10,955	5,807	3,861
Cedar	do		7,440	2,499	854	634	203		274	106	28	26	9
Hemlock	do						10,354						172
Other softwoods	do		24,327	30,999	21,849	14,817	2,498		616	895	498	334	58
Hardwoods	do	5,498	1,573	1,618	1,988	1,235	864	333	103	106	124	76	45
Creosoted or otherwise preserved—													
Southern pine	do		3,371	4,133	4,389	3,283	1,379		223	284	291	217	66
Other sawed timber	do		1,209	753	1,519	412	810		63	39	84	20	25
Boards, planks, and scantling	do	1,668,945	2,129,843	2,358,890	2,378,509	1,766,399	1,238,854	69,165	82,171	88,590	92,317	65,262	37,285
Softwoods	do	1,391,617	1,714,385	1,897,043	1,923,372	1,365,984	921,301	48,887	54,703	59,179	62,075	40,234	21,105
Cypress	do	8,246	8,815	7,538	11,087	6,099	4,479	557	517	492	638	356	221
Douglas fir	do	563,869	739,142	768,076	908,846	638,393	481,294	13,856	16,157	16,624	20,748	12,760	7,366
Rough	do	[3] 560,274	684,348	703,404	846,349	592,719	410,930	[3] 14,141	14,645	14,914	18,950	11,556	6,233
Dressed	do	[3] 22,862	54,793	64,672	62,497	45,674	70,364	[3] 936	1,512	1,710	1,798	1,204	1,133
Southern pine	do	586,975	636,171	708,735	679,042	500,965	310,130	24,291	26,789	29,005	28,657	20,191	10,125
Rough	do	[3] 557,469	553,836	625,213	597,472	440,262	272,666	[3] 23,936	23,332	25,533	25,138	17,760	8,908
Dressed	do	[3] 117,190	82,335	83,522	81,570	60,703	37,464	[3] 4,983	3,457	3,471	3,519	2,431	1,217
White, western, and sugar pine	do	49,079	34,402	32,976	41,482	31,733	24,079	2,534	1,958	1,911	2,392	1,556	916
Cedar	do		[3] 17,801	25,645	16,629	9,836	9,074		[3] 876	1,184	881	561	439
Redwood	do	38,795	52,798	59,815	62,280	28,412	6,999	2,593	2,957	3,347	3,575	1,512	347
Spruce	do	27,635	25,455	29,004	27,166	25,748	12,033	1,410	1,212	1,223	1,391	991	540
Hemlock	do	[3] 120,973	186,451	256,143	166,548	118,288	71,020	[3] 3,013	3,729	5,101	3,358	2,076	1,094
Small softwood dimension stock	do		6,505	4,576	5,337	1,430	190		235	140	246	88	11
Other softwoods	do	44,435	10,405	4,535	4,955	5,080	2,003	1,836	446	153	188	143	45
Hardwoods	do	277,168	415,459	461,847	455,137	400,415	317,553	20,279	27,467	29,411	30,242	25,027	16,182
Ash	do	[3] 20,812	30,744	30,083	38,781	41,196	30,043	[3] 1,497	2,102	2,003	2,762	2,357	1,555
Birch, beech, maple	do		9,114	15,179	11,746	5,416	3,355		581	846	723	320	174
Chestnut	do	[1] 7,870	9,352	11,449	11,258	7,022	5,908	[1] 562	489	589	560	343	264
Cottonwood	do		[7] 4,419	5,560	5,020	2,677	1,764		[7] 238	318	281	116	76
Gum	do	46,412	55,430	66,081	53,904	51,936	39,556	2,398	2,700	2,889	2,594	2,318	1,433
Red and sap	do		[8] 48,624	52,285	46,015	44,954	33,551		[8] 2,373	2,556	2,274	2,071	1,246
Tupelo and black	do		[8] 5,904	7,796	7,889	6,982	6,005		[8] 234	333	320	247	187
Hickory	do	[1] 3,309	4,061	4,518	3,980	3,956	1,871	[1] 318	387	451	423	375	187
Oak	do	136,157	208,742	229,404	221,323	202,947	175,348	9,288	13,027	13,600	13,739	11,833	8,354
Poplar	do	21,798	34,859	38,985	40,383	28,167	21,073	1,799	2,174	2,324	2,520	1,667	972

[1] Average for years 1922–1925.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1930.
[9] Average for years 1924 and 1925.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 4.—WOOD AND PAPER—Continued												
B. Wood, semimanufactures, etc.—Continued.												
Boards, planks, and scantling—Continued.												
Hardwoods—Continued.												
Walnut, 1,000 ft. b. m.	[1] 7,702	11,128	13,019	13,781	10,099	8,792	[1] 1,090	1,417	1,663	1,781	1,260	784
Mahogany, do	[2] 17,422	15,964	16,010	16,153	12,661	7,534	[2] 2,512	2,341	2,380	2,339	1,734	939
Magnolia, do						4,551						187
Wagon-oak planks, do		7,850	6,853	9,701	13,724	5,944		482	425	584	804	323
Small dimension stock, do		4,032	5,391	5,407	5,770	6,728		436	550	622	621	651
Other hardwoods, do	38,241	21,531	25,315	23,700	14,844	5,086	3,313	1,189	1,375	1,315	780	282
Other sawed lumber, do	[1] 7,258	5,541	4,854	4,665	4,109	2,424	850	245	252	228	190	117
Lath, thousands	[1] 31,300	36,443	21,384	51,088	31,154	22,436	[1] 188	163	92	234	102	46
Shingles, do	30,570	82,028	114,166	91,555	62,544	40,611	163	308	420	367	215	111
C. Wood manufactures							30,846	36,857	37,525	40,938	29,849	19,177
Cooperage							8,666	9,373	9,048	9,678	6,713	4,136
Staves, thousands	59,746	74,549	80,462	84,822	58,968	38,943	3,879	4,246	4,676	4,724	2,879	1,892
Tight staves, do	[1] 23,898	31,283	33,388	38,506	24,333	18,276	[1] 3,206	3,635	3,997	4,145	2,444	1,574
Slack staves, do	[1] 42,112	43,266	47,074	45,817	34,635	20,667	[1] 742	612	679	578	435	218
Heading, 1,000 sets	[1] 3,335	3,733	3,726	3,529	3,138	2,237	421	748	717	762	595	327
Tight heading, do		1,377	1,377	1,284	1,067	733		554	531	582	440	240
Slack heading, do		2,355	2,349	2,245	2,071	1,504		194	186	180	155	87
Cooperage shooks—												
Tight, do	[1] 1,688	1,031	779	1,049	867	617	3,493	2,179	2,563	3,236	2,499	1,531
Slack, do		693	441	480	288	428		426	279	289	175	237
Tight empty barrels, casks, hogsheads, thousands	[1] 360	333	357	302	255	139	873	774	814	667	565	249
Box shooks—												
Southern pine, 1,000 bd. ft.		13,037	15,373	12,533	12,474	10,172		627	702	577	571	433
Hemlock, do		52,233	67,611	64,881	42,151	14,351		1,721	1,992	1,903	1,222	410
Spruce, do	[1] 86,832	3,156	4,322	1,597	1,453	1,169	3,179	111	125	66	69	39
Gum, do		[7] 5,084	5,261	6,613	3,378	1,968		[7] 276	300	359	169	88
Other, do		21,868	14,933	13,056	18,344	10,934		1,009	661	585	871	440
Veneers, 1,000 sq. ft.		79,805	83,774	98,881	78,297	54,335		2,087	2,248	2,765	1,928	1,147
Veneer packages for fruit and vegetables	[1] 55,347						[1] 1,669	[7] 100	92	154	54	44
Plywood, 1,000 sq. ft.		27,059	27,676	33,382	37,891	33,531		1,200	1,235	1,642	1,542	1,085
Hardwood flooring, 1,000 ft. b. m.	[3] 6,384	12,475	15,300	16,139	12,518	13,892	[3] 483	846	986	1,150	899	801
Doors, thousands	[2] 1,022	1,914	1,675	2,140	1,806	1,987	1,643	3,411	2,961	3,987	3,027	2,719
Sash and blinds, do		87	128	110	61	55		161	211	182	132	100
Trimmings and moldings n. e. s., 1,000 lin. ft.	[2] 4,644	9,164	10,513	11,088	11,174	8,272	256	267	345	287	244	171
Other millwork and house fixtures								[5] 300		280	320	160
Cane and reed manufactures, n. e. s.							[1] 429	239	235	208	111	56

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Furniture of wood—												
Chairs	thousands	[1] 186	172	173	171	126	74	721	682	724	795	509	244
Office furniture									267	279	320	165	77
Store fixtures								2,371	233	[6] 179	274	193	77
School and church furniture									218	241	212	209	82
Other wood, willow, and wicker furniture									2,181	2,297	3,068	2,190	965
Boat oars and paddles	number	[1] 92,794	81,681	93,547	82,469	77,785	33,872	202	184	215	182	159	82
Wagon and other vehicle stock									[7] 162	246	148	92	64
Plow and similar bent handles	1,000 doz			27	16	9	6			68	44	30	26
Hoe, fork, shovel, broom, and other long handles	1,000 doz		792	902	919	880	711	2,009	825	889	936	731	545
Handles for striking tools	do		976	860	1,020	678	439		1,332	1,262	1,376	941	540
Pencilslats	1,000 lbs		[8] 13,214	13,704	12,773	12,011	9,798		[8] 1,636	1,838	1,403	1,369	971
Woodenware								268	494	593	522	618	567
Other wood manufactures								9,563	7,636	7,505	7,832	4,772	3,108
D. Cork manufactures								903	1,664	1,747	1,816	1,597	1,276
Disks, washers, and wafers	1,000 gross	[3] 3,271	6,661	3,839	7,017	11,359	14,391	[1] 142	254	155	275	426	470
Crown bottle caps	do	[9] 3,918	3,444	3,649	3,237	2,730	2,185	[9] 814	716	745	675	554	435
Stoppers	1,000 lbs	[1] 296	432	730	578	286	94	[1] 108	162	227	205	154	90
Other cork manufactures	do	[1] 2,216	6,220	4,615	3,956	2,964	1,725	[1] 302	532	620	662	463	281
E. Paper base stocks								3,704	5,147	6,104	5,078	4,178	3,719
Pulpwoods	cords	[1] 14,380	56,433	27,518	52,682	130,242	81,091	[1] 122	510	221	464	1,265	625
Wood pulp—													
Sulphite wood pulp	tons of 2,240 lbs		27,556	22,272	39,154	31,226	44,457		1,541	1,308	2,116	1,671	2,251
Soda wood pulp	do	26,097	1,968	2,441	1,961	1,808	1,282	1,744	161	194	160	141	93
Other wood pulp	do		6,585	5,183	7,160	10,204	1,857		337	276	453	259	83
Rags and other paper stock	1,000 lbs	105,109	162,821	230,626	108,416	62,243	64,658	1,863	2,598	4,103	1,885	842	687
F. Paper and manufactures								24,435	30,330	30,797	37,086	30,303	22,419
Printing paper—													
Newsprint paper	1,000 lbs	39,352	28,750	22,780	37,391	20,408	19,305	1,987	1,213	866	1,346	812	605
Book paper, not coated	do	26,383	25,658	24,511	37,817	31,830	19,024	3,148	1,936	1,790	2,651	2,144	1,154
Cover paper	do	[1] 1,209	1,899	2,038	2,054	2,192	1,713	[1] 207	318	341	356	343	259
Grease proof and waterproof paper	do	[1] 1,605	2,970	3,107	2,908	3,805	4,634	193	499	490	526	742	975
Overissue and old newspapers	do		[5] 162,695		154,078	171,312	208,113		[5] 1,502		1,668	1,335	1,539
Wrapping paper	do	27,928	38,043	36,757	43,883	44,248	28,613	2,170	2,559	2,587	2,957	2,759	1,629
Surface-coated paper	do	[1] 3,725	9,584	11,157	17,318	7,567	5,075	[1] 560	1,019	1,137	1,577	887	580
Tissue and crêpe paper	do	[1] 7,966	4,751	4,995	4,798	4,762	2,979	1,281	1,050	1,096	1,061	919	506
Toilet paper	do		6,341	6,448	7,035	7,420	7,035		720	685	788	812	726
Paper towels and napkins	do	[1] 1,274	2,987	3,018	3,618	3,911	3,517	200	383	400	435	451	352
Boxboard of paperboard and strawboard	do	[17] 22,482	51,720	48,670	53,459	60,370	53,033	[17] 796	1,426	1,354	1,424	1,499	1,181
Bristols and bristol board	do	[1] 1,340	2,115	1,979	2,908	2,314	1,675	[1] 144	216	221	286	219	158
Other paper board	do	[1] 52,223	40,389	42,124	47,317	33,636	40,339	2,291	1,991	2,150	2,097	1,607	1,417
Sheathing and building paper	do	[1] 7,479	16,171	14,854	22,496	18,798	15,026	[1] 334	591	551	757	636	440
Fiber insulating lath or board	1,000 sq. ft		[5] 46,259		30,019	62,499	37,627		[5] 1,512		1,014	2,009	1,200
Wall board of paper or pulp	do	[1] 14,907	46,296	61,601	68,404	30,090	18,499	544	1,537	2,069	2,233	999	591
Blotting paper	1,000 lbs	[9] 2,186	3,497	3,921	3,606	3,115	1,852	[9] 326	414	446	429	379	211

[1] Average for years 1922–1925.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1930.
[9] Average for years 1924 and 1925.
[17] 1925 only.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 4.—WOOD AND PAPER—Continued												
F. Paper and manufactures—Continued.												
Filing folders, index cards, and other office forms—1,000 lbs.	[9] 550	1,324	1,502	1,634	1,642	1,300	[9] 190	456	516	599	605	438
Papeteries (fancy writing paper)—do	[1] 5,926	734	752	855	651	273	1,719	190	196	208	147	70
Other writing paper—do		19,705	25,834	27,991	21,064	14,665		2,288	2,833	2,956	2,070	1,309
Paper hangings (wall paper)—1,000 rolls		[2] 3,227			3,227	2,363	555	573	642	582	465	288
Paper bags—1,000 lbs.	[1] 10,930	11,049	9,155	12,060	11,250	11,894	975	940	801	1,010	893	827
Boxes and cartons—do	[1] 12,746	24,562	28,449	28,120	22,715	14,482	1,126	1,645	1,901	1,892	1,371	932
Envelopes—do	[1] 2,588	2,459	2,453	2,421	2,229	1,546	[1] 502	423	406	429	372	237
Vulcanized fiber sheets, strips, rods, and tubes—1,000 lbs.		5,172	5,524	6,117	4,578	3,454	1,351	1,387	1,455	1,488	1,140	962
Cash register and adding machine paper—do	[1] 1,242	3,524	3,419	5,507	4,579	8,798	141	347	359	522	434	686
Other paper and paper products							4,994	5,006	5,507	5,794	4,273	3,147
GROUP 5.—NONMETALLIC MINERALS												
Total							582,352	706,964	687,261	739,698	641,822	373,914
A. Coal and related fuels—1,000 tons of 2,240 lbs.	20,508	22,239	18,391	19,709	17,350	13,088	131,112	121,800	99,515	106,151	89,762	64,542
Coal—												
Anthracite—do	3,502	2,973	2,979	3,041	2,278	1,588	38,476	32,750	32,657	32,569	24,509	17,062
Bituminous—do	16,350	18,349	14,433	15,562	14,176	10,827	86,482	82,308	59,464	65,742	59,186	43,395
Fuel or bunker coal for vessels in foreign trade (not included in exports)—1,000 tons of 2,240 lbs.	*4,908*	*4,358*	*3,834*	*3,827*	*3,122*	*1,960*	*31,588*	*23,126*	*20,258*	*19,375*	*15,697*	*9,639*
Coke—do	655	916	980	1,105	896	673	6,154	6,743	7,395	7,840	6,067	4,085
B. Petroleum and products							405,052	524,364	525,853	561,191	494,339	270,500
Petroleum, crude—1,000 bbls. of 42 gals.	13,330	20,062	18,961	26,394	23,704	25,535	22,487	30,236	26,736	37,800	32,153	20,828
Refined oils—do	76,454	119,700	126,159	126,377	122,168	91,009	363,586	464,733	465,214	493,382	438,195	232,294
Gasoline, naphtha, and other finished light products—1,000 bbls. of 42 gals.	21,100	52,154	51,752	60,007	63,195	43,787	152,051	244,577	232,298	266,904	250,647	109,301
Illuminating oil—do	20,446	19,945	21,847	19,820	16,690	12,534	85,381	84,049	93,466	83,798	63,325	34,796
Gas and fuel oil—do	26,555	37,429	41,573	35,715	32,378	26,588	41,207	42,278	45,812	37,200	33,220	23,966
Fuel or bunker oil for vessels in foreign trade (not included in exports)—1,000 bbls. of 42 gals.	*36,501*	*50,198*	*51,226*	*52,278*	*50,773*	*43,714*	*55,842*	*68,345*	*59,426*	*54,710*	*53,676*	*38,845*
Lubricating oil—do	8,332	10,017	10,817	10,653	9,753	7,994	84,439	91,733	91,576	102,899	88,931	62,986
Red and pale—do	[3] 4,994	6,241	6,945	6,912	5,890	4,870	[3] 42,240	51,436	54,463	61,566	48,590	35,747
Black—do	[3] 1,075	833	1,029	866	988	635	[3] 6,214	4,194	[3] 5,124	4,955	3,893	2,435
Cylinder—do	[3] 2,892	2,943	2,843	2,875	2,875	2,489	[3] 35,831	36,103	31,989	36,378	36,448	24,804
Mineral spirits (substitute for turpentine)—1,000 bbls. of 42 gals.	[3] 24	55	56	60	55	51	[3] 337	495	509	554	465	408

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Insulating or transformer oils.....do....	.....	86	101	103	81	48	.....	1,042	1,040	1,332	918	502
Light lubricating oils in small packages .....1,000 bbls. of 42 gals..	[3] 14	14	13	19	16	7	[3] 510	560	514	696	689	334
Lubricating greases.....1,000 lbs..	[1] 81,673	104,129	108,112	116,692	99,273	74,081	4,395	5,523	5,588	6,111	5,405	3,542
Paraffin wax.....do....	311,435	336,174	392,652	319,276	292,933	290,484	13,828	15,077	16,864	14,074	10,480	8,425
Unrefined.....do....	77,789	78,695	83,097	80,222	82,961	90,581	2,938	2,935	3,012	2,905	2,352	2,132
Refined.....do....	233,646	257,478	309,555	239,054	209,972	199,903	10,891	12,143	13,852	11,169	8,128	6,293
Petroleum asphalt.....tons of 2,240 lbs..	[17] 79,477	341,746	439,609	428,039	366,419	257,231	[17] 1,762	7,424	9,789	8,543	7,277	4,941
Petroleum coke.....do....	.....	102,335	128,688	115,820	88,098	49,979	.....	1,045	1,384	1,134	768	395
Residuum, including road oil .....1,000 bbls. of 42 gals..	131	100	63	35	23	21	403	325	226	147	61	76
C. Stone, sand, cement, and lime.....	.....	.....	.....	.....	.....	.....	5,537	5,871	5,914	6,819	5,318	2,792
Marble in blocks, rough or dressed.....cu. ft..	[1] 59,498	75,805	64,326	98,478	84,550	32,443	[1] 238	303	254	395	376	141
Roofing slate.....squares..	[1] 8,363	8,062	12,236	10,376	5,278	4,174	82	87	119	121	64	45
Other building or monumental stone .....1,000 cu. ft..	[1] 918	584	653	825	731	284	388	607	473	683	594	209
Other manufactures of stone.....	.....	.....	.....	.....	.....	.....	1,047	1,166	1,246	1,488	1,067	628
Sand and gravel.....1,000 tons of 2,240 lbs..	[1] 368	427	658	434	288	195	455	637	638	810	570	418
Cement, hydraulic.....1,000 bbls.[19]..	1,042	851	825	885	756	430	3,209	2,854	2,939	3,083	2,455	1,221
Lime.....do.[20]..	110	157	182	173	145	119	166	216	245	239	192	130
D. Glass and glass products.....	.....	.....	.....	.....	.....	.....	10,053	9,642	10,108	10,931	9,120	6,897
Plate and window glass—												
Window glass, common.....box, 50 sq. ft..	41,496	20,364	18,601	15,533	15,544	8,486	243	116	102	92	84	41
Plate glass unsilvered.....1,000 sq. ft..	2,098	1,924	2,280	2,043	3,361	3,708	852	610	681	745	1,036	1,115
Other window and plate glass.....1,000 lbs..	[1] 2,481	4,263	3,905	4,778	5,189	2,859	[1] 274	420	439	513	443	294
Glass containers (bottles, vials, and jars).....	.....	.....	.....	.....	.....	.....	3,245	3,252	3,515	3,570	2,992	2,087
Table glassware, plain.....	.....	.....	.....	.....	.....	.....	[1] 1,808	1,442	1,382	1,523	1,201	877
Table and other glassware, cut or engraved....	.....	.....	.....	.....	.....	.....	182	136	135	135	97	80
Lamp chimneys and lantern globes.1,000 lbs..	[1] 1,803	1,662	1,601	1,581	1,181	.....	[1] 345	328	327	320	218	83
Globes and shades for lighting fixtures...do....	[1] 1,558	1,785	1,814	2,080	1,586	.....	[1] 451	637	645	750	582	410
Chemical glassware.....do....	[1] 247	246	231	290	269	160	190	216	201	249	231	152
Glass electric insulators.....do....	[1] 2,506	4,037	4,727	4,873	3,462	1,330	[1] 217	358	424	406	239	86
Other glassware.....	.....	.....	.....	.....	.....	.....	2,863	2,127	2,257	2,628	1,997	1,672
E. Clays and clay products.....	.....	.....	.....	.....	.....	.....	7,294	9,857	9,560	12,743	10,564	6,364
Clays—												
Fire clay.....tons of 2,240 lbs..	32,831	52,714	53,695	68,358	55,946	40,459	263	469	494	589	520	329
Other clays.....do....	37,136	54,465	54,385	68,562	65,955	54,812	346	898	896	1,117	1,109	916
Pottery—												
China and porcelain ware—												
Table, toilet, or kitchen ware.....	.....	.....	.....	.....	.....	.....	[1] 168	174	197	194	190	92
Electrical porcelain—												
For less than 6,600 volts.....1,000 lbs..	[1] 7,889	5,069	4,605	6,392	4,561	1,980	[1] 1,646	701	669	923	556	241
For 6,600 volts and over.....do....		4,637	4,302	5,457	5,378	5,835		772	706	895	872	907
Other china and porcelain ware.....	.....	.....	.....	.....	.....	.....	162	173	193	198	170	116
Water-closet sets.....	.....	.....	.....	.....	.....	.....	658	1,354	1,371	948	499	223
Other earthenware plumbing fixtures.....	.....	.....	.....	.....	.....	.....				851	877	355

[1] Average for years 1922-1925. [3] 1930 only. [8] Average for years 1923-1925. [9] Average for years 1924 and 1925. [17] 1925 only. [19] Of 376 pounds. [20] Of 200 pounds.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 5.—NONMETALLIC MINERALS—Continued.												
E. Clays and clay products—Continued.												
Pottery—Continued.												
Other earthen, stone, and crockery ware							1,063	846	817	1,026	831	216
Crucibles, clay and graphite...1,000 pieces	[1] 444	542	352	693	489	350	[1] 103	119	110	124	104	66
Bricks and tiles—												
Fire-clay bricks...thousands	31,272	27,937	29,576	30,604	25,387	17,526	1,358	825	815	848	881	832
Other refractory bricks...do	[1] 8,994	15,376	16,718	21,736	10,951	4,739	[1] 788	1,443	1,455	1,923	1,121	491
Refractory shapes...1,000 lbs	[1] 23,940	58,330	58,487	84,479	80,623	15,937	[1] 557	1,264	1,274	1,863	1,672	476
Building bricks and hollow tile...thousands	11,226	14,211	11,266	30,078	16,400	11,691	290	311	264	553	399	320
Wall and floor tiles...1,000 sq. ft	[1] 6,061	3,243	947	1,636	1,379	780	475	430	298	530	556	276
High-temperature cements...do		[5] 5,265		4,848	5,681	4,695		[5] 188		160	216	246
Other terra-cotta and ceramic manufactures												263
F. Precious stones, including pearls							[1] 72	81	72	47	136	44
G. Other nonmetallic minerals							23,317	35,349	36,238	41,816	32,582	22,776
Abrasives							4,980	7,738	8,527	8,923	6,966	4,583
Wheels of emery and corundum...1,000 lbs	[1] 1,665	704	737	831	479	286	699	246	254	286	203	115
Grindstones...do	[1] 10,734	9,416	10,633	7,577	4,996	2,405	419	481	561	391	247	105
Other natural abrasives, hones, whetstones, etc...1,000 lbs		8,630	9,627	9,664	8,216	6,976	3,861	396	453	423	361	232
Artificial abrasives, crude or in grains...do		14,650	18,376	16,147	15,098	13,232		940	1,024	1,166	930	912
Wheels of artificial abrasives...do		5,530	6,287	6,479	4,788	3,206		1,992	2,210	2,342	1,720	1,285
Abrasive paper and cloth...1,000 reams		[6] 260	282	293	246	110		2,947	3,273	3,460	2,758	1,368
Other artificial abrasives...1,000 lbs		6,634	8,085	5,793	5,404	4,100		736	751	855	747	566
Asbestos—												
Unmanufactured...tons of 2,240 lbs	706	668	759	633	688	1,530	73	137	347	108	95	122
Paper, millboard, and roll board...1,000 lbs	[1] 2,548	1,722	1,626	1,700	1,917	1,269	[1] 139	141	132	152	153	126
Pipe covering and cement...do	[1] 4,622	5,519	4,923	6,890	6,666	2,100	[1] 304	331	286	409	427	120
Textiles, yarn, and packing...do	[1] 1,068	1,655	1,653	1,979	1,784	1,271	[1] 689	900	924	1,032	949	662
Brake lining...1,000 lin. ft		[7] 4,379	7,750	7,427	6,717		[17] 863	1,147	1,422	1,521	1,372	1,140
Other manufactures, except roofing...1,000 lbs	[1] 2,831	3,570	2,895	4,892	4,777	2,393	1,039	413	434	535	445	248
Asphalt and bitumen, natural—												
Unmanufactured...tons of 2,240 lbs	46,564	31,157	23,449	41,930	20,679	16,944	1,219	877	684	1,133	629	531
Manufactures, except roofing...1,000 lbs	[1] 63,930	53,289	39,044	62,421	53,668	29,686	957	1,079	771	1,280	1,120	579
Carbons and electrodes—												
Electrodes for electric furnaces...do	[17] 12,203	14,976	15,690	15,854	15,885	11,177	[17] 1,214	1,980	2,195	2,143	2,057	1,427
Other carbon products...do	[1] 25,647	17,150	8,158	8,107	5,912	3,900	1,766	993	698	940	669	542
Chalk manufactures...do	[1] 1,288	1,502	1,560	1,451	1,074	965	205	202	204	204	138	123
Gypsum—												
Crude, crushed, or ground...tons of 2,240 lbs		[7] 3,035	2,112	3,777	3,217	4,020		[7] 26	24	31	23	38
Plaster board and wall board...1,000 sq. ft		[8] 11,969	15,217	18,420	16,678	6,887		[8] 380	403	443	431	158
Plaster, calcined, and manufactures, n. e. s.[21]...1,000 lbs		43,439	32,845	49,157	40,016	13,547	472	508	393	481	398	197
Mica and manufactures...do	[1] 1,720	3,955	3,662	6,187	4,733	5,239	167	252	229	329	263	269

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Sulphur—												
Sulphur or brimstone, tons of 2,240 lbs.	471,093	699,957	685,051	855,183	593,312	407,586	7,504	14,312	14,345	17,629	12,416	8,837
Refined, sublimed, and flowers, 1,000 lbs.	[1] 5,114	32,679	44,537	39,565	35,870	27,193	[1] 120	538	707	649	556	432
Magnesia and manufactures, do.	[1] 4,402	6,214	5,857	6,259	6,843	2,905	[1] 280	367	355	392	454	201
Salt, do.	268,042	255,134	290,792	218,443	140,956	197,420	1,313	1,104	1,186	1,009	716	775
Graphite and manufactures, except crucibles, 1,000 lbs.	[1] 3,726	3,734	4,406	3,227	3,113	2,376	491	438	455	370	418	249
Other nonmetallic mineral products							1,491	1,570	1,518	2,096	1,887	1,428
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							415,488	463,765	502,630	538,500	356,751	180,903
A. Iron ore, 1,000 tons of 2,240 lbs.	677	1,021	1,283	1,304	752	436	2,994	3,823	4,798	4,775	2,734	1,658
B. Iron and steel semimanufactures							73,209	90,192	96,025	104,144	71,378	32,275
Pig iron, not containing alloys, tons of 2,240 lbs.	32,929	44,182	84,682	46,357	13,671	6,719	823	808	1,367	830	292	151
Iron and steel scrap (including tin-plate scrap), tons of 2,240 lbs.	69,735	355,178	516,143	557,044	358,649	136,125	1,104	5,097	6,615	7,743	5,562	1,957
Steel ingots, blooms, billets, slabs, and sheet bars, tons of 2,240 lbs.	8,463	20,771	30,101	42,578	17,092	7,965	429	846	1,233	1,500	733	332
Iron and steel bars and rods—												
Iron bars, 1,000 lbs.	352,528	9,932	13,959	11,360	4,082	2,278	11,065	353	492	333	150	96
Steel bars, do.		301,215	354,983	411,925	181,640	95,229		7,969	9,114	10,170	4,689	2,329
Alloy steel bars, do.		21,318	31,535	35,266	14,935	6,647		1,179	1,437	1,660	911	499
Wire rods, do.	62,816	70,078	86,515	94,640	89,105	71,960	1,445	1,518	1,734	2,012	1,876	1,297
Iron and steel plates, sheets, skelp, and strips—												
Boiler plate, 1,000 lbs.	332,532	24,488	20,225	31,461	15,709	1,119	9,297	508	433	643	332	32
Other plates, not fabricated, do.		307,326	362,219	402,417	204,569	94,019		7,073	7,966	9,375	4,527	1,878
Skelp iron or steel, do.	[2] 207,595	254,483	295,130	293,388	268,547	126,555	[1] 4,210	4,844	5,384	5,507	5,193	2,369
Iron or steel sheets, galvanized, do.	245,762	326,161	340,990	339,388	209,407	115,412	11,825	14,422	14,664	14,759	8,798	4,294
Iron sheets, galvanized, do.		[2] 14,038			14,038	9,551		[2] 812			812	531
Steel sheets, galvanized, do.		[2] 195,369			195,369	105,861		[2] 7,986			7,986	3,763
Steel sheets, black, do.	354,650	366,943	401,601	388,867	308,938	205,600	13,932	12,922	13,577	14,307	10,343	6,918
Iron sheets, black, do.	28,691	35,851	36,490	35,516	25,719	12,372	1,420	1,603	1,634	1,597	1,097	447
Strip steel, cold rolled, do.	[2] 21,492	32,284	44,221	39,148	23,491	19,930	[1] 914	1,258	1,581	1,577	960	740
Hoop, band, and scroll iron or steel, do.	58,119	83,449	85,980	119,585	64,575	43,307	2,134	2,402	2,398	3,558	1,713	1,095
Tin plate, terneplate, and tagger's tin, do.	282,790	550,948	559,199	580,081	484,997	189,131	15,635	27,388	26,346	28,566	24,202	7,841
C. Steel-mill products—Manufactures							93,568	80,475	83,622	96,001	67,516	30,913
Structural iron and steel—												
Water, oil, gas, and other tanks complete, and knocked down material for, 1,000 lbs.		[2] 45,898			45,898	27,843		[2] 2,387			2,387	1,132
Structural shapes—												
Not fabricated, tons of 2,240 lbs.	158,362	187,406	202,804	288,513	140,415	88,710	11,319	8,376	8,754	12,684	6,234	3,437
Fabricated, do.		44,727	54,333	57,484	57,607	24,862		4,169	4,629	5,170	5,525	2,327
Ship and tank plates, punched or shaped, 1,000 lbs.	15,494	12,875	9,227	13,959	12,608	3,415	533	381	319	487	317	84
Metal lath, do.	[3] 5,409	11,394	12,004	12,218	12,497	5,393	[2] 419	800	830	816	848	350
Other structural shapes, do.	[1] 112,974	90,833	77,031	108,382	90,136	12,869	[1] 4,094	3,407	3,164	4,008	3,304	358

[1] Average for years 1922–1925. [2] 1930 only. [3] Average for years 1926–1925. [5] Average for years 1929 and 1930. [7] Average for years 1928–1930.
[6] Average for years 1927–1930. [17] 1925 only. [21] Includes "crude, crushed, or ground" prior to Jan. 1, 1928.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 6. METALS AND MANUFACTURES—Contd.												
C. Steel-mill products—Manufactures—Continued.												
Railway *track material*—												
Rails, tons of 2,240 lbs	245,301	159,463	190,925	146,060	95,179	33,108	10,722	6,053	6,926	5,332	3,580	1,289
50 pounds and over per yard, do	203,485	141,336	165,764	118,844	75,855	25,357	[1] 7,926	5,399	6,076	4,324	2,836	1,008
Less than 50 pounds per yard, do	22,686	18,126	25,161	27,216	19,324	7,751	[1] 877	654	850	1,008	744	281
Rail joints, splice bars, fishplates, and tie-plates, 1,000 lbs	[1] 60,422	48,880	62,432	45,901	26,067	10,970	3,375	1,461	1,738	1,521	935	378
Switches, frogs, and crossings, do		13,163	15,414	12,690	7,575	2,833		1,020	1,087	1,088	749	270
Railroad spikes, do	18,086	9,701	10,978	9,087	6,127	2,595	649	303	348	293	178	74
Railroad bolts, nuts, washers, and nut locks, 1,000 lbs	[1] 5,187	4,525	5,227	5,348	3,937	1,722	[1] 292	284	310	322	271	155
Tubular products and fittings—												
Boiler tubes, do	[1] 3,070	38,577	41,997	43,695	32,896	15,836	2,175	2,149	2,301	2,494	2,005	885
Casing and oil line pipe, do	499,525	234,593	268,317	264,428	139,116	49,221	26,145	10,377	11,399	11,861	6,708	2,469
Welded black pipe, do		184,237	167,396	231,316	127,838	76,852		7,322	6,324	9,276	5,449	2,806
Welded galvanized pipe, do		89,705	79,691	93,902	81,375	58,528		3,863	3,303	3,992	3,620	2,372
Malleable iron screwed pipe fittings, do		25,006	22,643	28,077	24,062	10,102		3,343	2,857	3,927	3,413	1,401
Cast-iron screwed pipe fittings, do	73,861	20,564	16,325	33,684	13,564	4,797	4,746	1,725	1,348	2,362	1,427	527
Cast-iron pressure pipe and fittings, do		27,299	22,273	33,349	25,503	29,108		1,173	914	1,444	957	654
Cast-iron soil pipe and fittings, do		30,243	37,256	38,064	31,438	13,550		1,019	1,088	1,230	1,283	481
Wire and manufactures—												
Plain iron or steel wire, 1,000 lbs	155,619	37,009	43,766	44,712	25,469	13,171	6,339	1,634	1,869	2,096	1,147	581
Galvanized wire, do		45,820	59,658	57,214	33,814	18,548		1,315	1,599	1,558	922	463
Barbed wire, do	146,069	115,235	155,003	132,111	78,811	48,068	5,293	3,310	4,377	3,748	2,055	1,049
Woven-wire fencing, do	[1] 7,816	10,678	11,520	12,325	8,812	5,929	477	586	638	696	484	282
Woven-wire screen cloth, do	[1] 3,904	4,200	4,221	3,729	3,547	1,938	[1] 731	685	626	669	558	298
Wire rope, do	[1] 13,091	11,732	12,028	15,582	10,160	5,604	1,697	1,505	1,578	1,907	1,254	666
Insulated iron or steel wire and cable, do		1,559	1,435	2,414	1,191	673		259	217	397	216	108
Other wire and manufactures, do	[1] 28,030	20,701	21,983	23,257	16,730	10,392	2,385	2,029	2,145	2,446	1,677	997
Nails and bolts (except railroad)—												
Cut nails, do	4,769	2,189	2,904	2,012	1,059	307	193	95	113	100	56	16
Wire nails, do	71,955	25,866	32,583	29,087	18,975	19,797	2,834	801	956	864	536	485
Horseshoe nails, do	13,162	2,193	2,564	1,939	1,682	1,386	1,453	244	279	214	181	147
Tacks, do		1,643	1,666	1,509	1,004	1,218		231	229	210	136	143
Other nails, including staples, do		12,957	15,027	17,508	9,401	5,635		993	1,063	1,260	683	301
Bolts, machine screws, nuts, rivets, and washers, except railroad, 1,000 lbs	42,973	29,163	29,747	36,368	22,693	10,876	3,499	2,476	2,537	3,145	2,093	1,049
Castings and forgings—												
Iron castings, do	[1] 31,338	22,495	27,013	24,587	14,811	9,693	2,742	1,436	1,518	1,573	1,458	689
Steel castings, do		19,928	21,753	24,247	21,007	6,952		2,289	2,551	2,975	2,280	743
Car wheels and axles, do	[1] 44,862	38,885	38,426	48,076	33,238	14,149	2,000	1,354	1,309	1,560	1,140	430
Horseshoes, do	1,893	1,041	1,049	985	405	342	132	73	73	69	32	21
Iron and steel forgings n. e. s., do	[1] 5,178	17,811	26,222	27,040	18,969	16,562	515	1,459	2,308	2,207	1,420	997

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D. Iron and steel, advanced manufactures							68,608	78,177	85,015	89,613	65,523	37,112
Cutlery							7,286	9,687	12,981	8,989	6,829	2,933
Razors, safety	1,000 doz.	7,471	374	599	218	147	212	4,774	662	875	363	454	306
Safety-razor blades	do.		10,690	15,602	9,962	7,922	4,449		6,818	9,864	6,519	4,756	1,593
Scissors and shears	dozens	[1] 78,358	31,112	42,454	27,251	21,148	14,334	[1] 263	144	141	142	107	103
Table and kitchen cutlery	1,000 doz.	[1] 496	397	418	387	265	117	778	538	557	533	400	172
Other cutlery and parts								1,523	1,526	1,544	1,432	1,112	759
Hollow ware—													
Tin and galvanized hollow ware	1,000 lbs.		6,495	7,144	7,381	6,135	4,326	1,696	802	849	935	780	486
Tin cans, finished or unfinished	do.	[1] 11,723	10,061	8,900	11,206	13,162	7,507		1,103	973	1,248	1,524	909
Enameled ware of iron or steel—													
Bathtubs	number	18,080	18,427	20,292	20,731	14,870	5,914	557	641	692	764	528	189
Lavatories, sinks, and other plumbing fixtures	number	[1] 48,899	52,164	55,551	56,442	39,907	26,605	632	601	617	672	464	262
Enameled household ware	1,000 lbs.	[1] 3,999	[8] 2,814	3,506	3,210	2,552	1,619	1,017	549	604	606	472	275
Metal furniture and fixtures—													
Filing cases	number	[1] 28,684	59,295	65,855	54,151	73,148	23,644	[1] 1,006	1,974	2,166	1,446	2,397	613
Safes and cabinets, fire and burglar proof	number	6,683	18,236	18,810	43,556	5,623	9,554	694	976	1,017	1,992	400	572
Bank and safety deposit vaults and equipment								[9] 202	526	842	535	577	878
Other office furniture and fixtures								624	941	1,030	1,220	884	672
Metal beds and bed springs	number		169,875	176,856	191,776	142,782	108,076	2,132	1,419	1,564	1,646	1,077	716
Other metal furniture									1,446	1,437	1,948	1,203	380
Stoves and furnaces, except electric—													
Coal and wood cooking stoves and ranges	number		12,073	13,494	11,644	7,707	3,611	2,559	318	363	308	204	84
Heating stoves and warm-air furnaces	do.		14,716	19,938	19,763	16,276	7,256		286	336	359	266	119
Gas stoves, ranges, and water heaters	do.		43,061	49,000	48,396	38,345	17,837		857	890	921	757	367
Kerosene cooking stoves and ranges	do.		141,164	90,990	125,365	113,209	82,406		1,342	957	1,241	1,036	747
Gasoline cooking stoves and ranges	do.			21,098	20,060	16,079	10,114			253	215	190	90
Parts of stoves and ranges	1,000 lbs.		4,525	4,342	4,737	3,816			965	879	1,041	868	747
House-heating boilers and radiators	1,000 sq. ft.		[7] 3,497	2,292	4,661	3,537	1,710	815	1,644	712	1,124	859	485
Oil burners and parts										984	1,453	1,796	1,521
Tools								15,914	17,907	19,931	20,269	14,353	8,076
Axes (broad and hand)	1,000 doz.	99	91	109	99	53	24	1,220	979	1,129	1,085	590	264
Hack-saw blades	1,000 gross		[5] 253		275	230	180	1,986	1,980	2,106	1,281	1,110	854
Shelf and hardware saws	thousands		[5] 476		613	338	274				639	409	201
Other saws, except hack saws											293	166	86
Augers and bits, woodworking	dozens		83,277	81,812	81,880	63,056	37,976	964	271	283	265	200	124
Files and rasps	1,000 doz.	[1] 1,998	2,261	2,639	2,356	1,782	1,438	2,575	2,678	3,100	2,767	2,046	1,626
Hammers and hatchets	do.	[1] 59	65	77	72	43	21	413	333	341	379	210	100
Hand hoes and rakes	thousands	[1] 379	319	341	328	247	126	[1] 173	131	138	138	95	49
Shovels and spades	1,000 doz.	[1] 48	34	36	32	22	14	497	353	358	340	218	113
Vises [22]	thousands	[9] 116	88	51	43	27	14	[9] 247	203	198	193	128	59
Automotive wrenches									[5] 686		1,107	264	173
Other wrenches (except automotive)								8,022	7,657	9,821	8,809	651	349
Drills and reamers									[8] 757	659	889	841	510

[1] Average for years 1922–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1939.
[9] Average for years 1924 and 1925.
[22] "Vises and clamps" prior to Jan. 1, 1928.

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No. 505.—Exports of United States Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 6.—METALS AND MANUFACTURES.—Contd.												
D. Iron and steel, etc.—Continued.												
Tools—Continued.												
Tops, dies, screw plates, and pipe stocks								[3] 1,559	1,798	1,722	1,813	455
Mechanics' and other hand tools, n. e. s.								[3] 2,989		365	5,612	3,113
Hardware							8,495	8,454	8,502	9,831	7,294	4,074
Padlocks	1,000 doz.	199	187	176	129	73	2,035	487	466	489	356	216
Door locks and lock sets	do	64	58	71	56	37		540	488	618	527	339
Cabinet and other locks	do	164	165	174	116	82		343	352	362	286	191
Hinges and butts, iron or steel	1,000 doz. prs.	594	571	478	277	145	[1] 914	533	521	523	353	188
Other builders' hardware							[1] 1,801	1,671	1,619	1,934	1,411	925
Furniture hardware							[1] 355	404	377	478	355	205
Saddlery and harness hardware							[1] 332	194	204	153	105	71
Car and marine hardware							[1] 212	240	224	231	289	83
Other hardware							[1] 3,013	4,042	4,250	5,042	3,612	1,856
Needles, hand and machine	thousands	[1] 64,868	63,120	71,715	66,697	44,042	47,293	544	760	849	909	642	569
Sprocket and other power transmission chains	1,000 lbs.	[1] 12,977	5,710	6,285	6,814	4,695	2,502	2,256	1,265	1,366	1,525	1,121	687
Other chains	do		9,627	8,719	10,326	6,993	3,705		1,278	1,112	1,420	890	468
Automatic scales (except coin operated)	number	[1] 112,934	12,935	13,580	11,869	11,096	7,022	2,049	942	1,072	848	751	551
Other scales and balances n. e. s.	do		115,384	135,034	130,044	99,243	50,052		1,243	1,307	1,487	1,015	415
Wood screws	1,000 gross	7,965	7,427	7,989	7,252	6,298	4,016	1,196	807	813	775	672	487
Other iron and steel manufactures								19,255	19,443	19,915	23,886	15,673	8,741
E. Ferro-alloys								489	942	861	1,013	940	1,447
Ferromanganese and spiegeleisen	tons of 2,240 lbs.	3,008	3,907	9,440	1,574	6,189	1,306	118	109	233	59	146	39
Ferrotungsten, tungsten metal, and wire	pounds	[1] 6,050	39,795	16,641	102,834	29,979	1,057,754	[1] 106	198	123	325	222	624
Other ferro-alloying ores and metals	1,000 lbs.	[3] 4,848	8,874	5,855	12,930	12,256	15,527	286	635	505	629	572	784
F. Nonferrous metals, except precious								173,483	205,701	227,375	238,814	145,625	75,347
Aluminum								6,538	11,640	12,102	11,897	10,898	6,164
Bauxite and other ores and concentrates	tons of 2,240 lbs.	51,969	112,133	112,984	133,551	104,504	88,370	2,589	5,091	5,211	3,926	3,777	3,309
Ingots, scrap, and alloys	1,000 lbs.	3,049	1,545	2,390	613	608	1,511	674	305	444	117	84	132
Plates, sheets, bars, strips, and rods	do	3,165	12,905	13,338	16,419	16,722	3,190	1,015	3,182	3,315	4,032	3,331	853
Tubes, moldings, castings, and other shapes	1,000 lbs.	[1] 1,979	1,796	1,004	2,467	1,864	1,292	[1] 644	581	398	738	599	552
Table, kitchen, and hospital utensils								[1] 647	601	643	708	560	387
Other aluminum manufactures								1,227	1,378	2,091	2,375	2,047	931

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Copper	1,000 lbs.[23]	876,676	983,840	1,125,019	998,475	753,293	557,874	129,760	149,999	169,831	183,405	105,342	54,748
Ores, concentrates, composition metal, and unrefined copper (copper content)	1,000 lbs.	686	4,458	3,833	5,579	179	300	95	572	508	936	19	24
Refined copper in ingots, bars, or other forms	1,000 lbs.	791,171	828,927	949,474	822,454	594,115	405,396	111,475	123,015	140,340	148,436	79,691	38,099
Old and scrap copper	do.	4,852	38,366	55,467	37,635	33,886	67,177	601	4,744	6,994	5,676	3,744	5,498
Pipes and tubes	do.	2,424	3,218	3,554	3,446	2,697	2,071	639	834	910	967	674	415
Plates and sheets	do.	7,074	7,090	6,039	6,323	10,983	4,537	1,475	1,425	1,275	1,576	1,876	645
Rods	do.	48,908	66,192	71,325	81,088	75,138	58,831	7,263	10,467	11,066	14,585	10,958	6,178
Wire	do.	10,852	14,325	15,676	16,869	15,750	6,268	1,962	2,521	2,624	3,332	2,714	805
Insulated copper wire and cable	do.	[1] 13,386	21,264	19,651	25,080	20,545	13,295	4,498	5,123	4,817	6,176	4,640	2,568
Other copper manufactures								1,753	1,298	1,297	1,720	1,026	517
Brass and bronze								11,084	15,863	17,618	17,503	12,997	6,293
Scraps and old[24]	1,000 lbs.	32,074	65,962	84,826	53,734	45,226	23,184	3,472	6,461	7,947	5,899	4,157	1,519
Ingots[24]	do.				1,757	2,008	1,169				268	266	105
Bars and rods[25]	do.	4,501	2,926	1,995	3,574	3,151	2,080	836	547	395	756	621	287
Plates and sheets[25]	do.		1,696	2,409	2,297	1,417	647		400	511	574	344	133
Pipes and tubes	do.	[1] 2,572	4,236	4,261	5,295	4,634	3,189	700	1,052	1,075	1,416	1,059	557
Pipe fittings and valves	do.	[1] 2,992	3,709	4,042	4,591	3,201	1,859	[1] 1,661	2,005	2,076	2,466	1,850	1,014
Hinges and butts of brass or bronze	doz. prs.		[5] 28,976		31,766	26,187	16,183	[1] 359	781	671	94	93	38
Other hardware of brass or bronze											881	588	337
Plumbers' brass goods	1,000 lbs.		836	969	1,077	984	706		476	541	636	575	376
Wire of brass or bronze	do.	1,064	1,344	1,357	1,558	1,342	1,235	339	439	435	546	428	315
Brass wood screws	1,000 gross		[8] 556	599	591	413	306		[8] 152	157	169	126	66
Other brass and bronze manufactures								4,121	3,579	3,811	3,799	2,890	1,546
Lead	1,000 lbs.	126,998	184,722	244,472	157,697	100,611		8,884	10,305	11,856	8,707	4,511	1,462
In pigs, bars, etc	do.	117,300	171,098	229,564	144,521	95,941	43,027	7,368	8,599	10,210	7,072	3,875	1,219
From domestic ore	do.	7,893	17,723	28,403	38,515	8,081		508	900	1,299	1,918	375	
From foreign ore	do.	109,407	153,375	201,161	106,006	87,860		6,860	7,698	8,911	5,154	3,500	
Other lead manufactures	do.	[1] 12,122	13,624	14,907	13,176	4,670	1,839	1,517	1,706	1,646	1,635	636	243
Nickel—													
Nickel, monel metal, and alloys	do.	3,203	2,353	2,349	2,870	2,839	1,777	604	847	880	1,116	1,208	648
Manufactures								268	959	1,161	1,347	924	488
Tin and manufactures			1,302					1,533	2,155	1,840	2,652	1,150	186
Zinc								9,119	6,564	4,794	3,649	1,777	1,023
Ore and concentrates[26]	tons of 2,240 lbs.	[17] 61,563	26,171	4,034	63			[17] 3,277	1,191	206	2		
Dross[26]	1,000 lbs.	20,870	9,085	6,297	6,980	2,324	765	901	382	241	217	57	19
Cast in slabs, plates, blocks, or pigs	do.	92,236	53,083	50,513	28,688	9,265	1,286	6,349	3,543	3,008	1,871	450	51
Rolled in sheets, strips, etc	do.	6,647	8,808	8,650	10,529	7,735	5,518	695	940	907	1,075	761	461
Dust	do.	[1] 5,094	2,355	2,016	2,511	2,354	2,800	[1] 389	225	199	250	194	204
Other zinc manufactures	do.	[1] 926	2,101	2,026	1,244	1,976	2,046	207	283	234	284	315	268

[1] Average for years 1922–1925.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[8] Average for years 1927–1930.
[17] 1925 only.
[23] Not including pounds of "other copper manufactures."
[24] Prior to 1925 data are "scrap and old fit only for manufacture."
[25] Prior to 1925 data are "ingots, plates, sheets, bars, and rods."
[26] For 1922–1924 data shown for "dross" are "ores, concentrates, and dross."

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No. 505.—Exports of United States Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 6.—METALS AND MANUFACTURES.—Contd.												
F. Nonferrous metals, except precious—Continued.												
Nickel silver, or German silver in bars, rods, or sheets, 1,000 lbs.	[1] 407	1,307	1,405	1,044	1,122	410	187	318	364	326	244	72
Babbitt metal, do	1,239	1,646	1,692	2,254	1,291	1,005	342	523	564	654	335	214
Other metal and alloys, do	[1] 1,388	5,474	6,805	8,332	7,208	7,399	[1] 560	1,326	1,547	1,525	1,604	1,935
Plated ware, other than gold or silver							888	952	893	1,044	767	403
Type, 1,000 lbs.	585	665	769	688	611	240	337	363	443	347	269	121
Other metal and metal composition manufactures, n. e. s.							3,490	3,887	3,482	4,641	3,599	1,639
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin							3,138	4,457	4,933	4,141	3,038	2,151
Platinum—												
Ingots, sheets, wire, alloys, and scrap, ozs. (troy)	5,593	8,830	9,050	2,567	1,037	1,209	589	741	619	193	62	41
Manufactures, except jewelry, do	1,481	1,568	2,168	1,455	769	1,190	115	121	161	112	41	48
Jewelry							827	1,264	1,634	1,576	1,065	855
Gold and silver ware, except cutlery and jewelry—												
Silver plated—												
Tableware							946	254	288	315	194	75
Other articles								188	195	191	189	67
Gold-plated articles								347	336	249	175	105
Gold manufactures, n. e. s.							662	1,264	1,477	1,273	1,106	861
Silver manufactures, n. e. s.								276	224	232	205	99
GROUP 7.—MACHINERY AND VEHICLES												
Total							531,888	984,645	1,068,087	1,198,151	880,076	484,536
A. Electrical machinery and apparatus							68,838	103,754	96,536	130,063	118,256	85,378
Generators—												
Direct current—												
Under 500 kilowatts, number	[1] 8,462	3,367	3,593	3,622	2,804	889	4,149	1,021	1,231	1,297	744	288
500 kilowatts and over, do		80	159	85	37	7		611	624	863	462	187
Alternating current—												
Under 2,000 kilovolt-amperes, do		308	279	439	260	234		239	227	296	313	138
2,000 kilovolt-amperes and over, do		24	20	13	23	12		748	394	312	664	1,367
Steam turbine generator sets, do	[2] 444	1,008	1,124	537	1,361	168	[2] 436	1,342	856	1,024	1,597	1,024
Accessories and parts for generators							[1] 1,130	968	1,094	980	708	1,118
Arc welding sets, number		[2] 424			424	403		[2] 439			439	541
Self-contained lighting outfits, do	[1] 2,764	4,035	4,015	3,930	2,667	1,341	[1] 727	1,129	1,116	1,191	846	339

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Batteries—												
Flashlight batteries.....thousand cells	[1] 8,600	39,898	34,440	53,675	71,829	65,690	3,940	2,790	2,941	3,466	3,618	2,599
Radio B and C batteries (dry).....do		7,495	7,971	1,939	8,943	6,362		2,157	2,750	1,033	578	325
Other batteries, n. e. s.....thousands				5,305	746	263				1,707	267	110
Storage batteries.....do		335	338	353	399	314		3,420	3,401	3,475	3,109	2,172
6-volt storage batteries.....do		[2] 263			263	242		[2] 1,815			1,815	1,466
Other storage batteries.....thousand cells		[2] 136			136	72		[2] 1,294			1,294	706
No. 6 dry-cell batteries.....thousands		[2] 2,439			2,439	1,922		[2] 577			577	447
Transforming or converting apparatus—												
Power transformers, 500 kilovolt amperes and over.....number	[1] 58,556	6,401	2,327	2,487	876	83	5,199	2,467	1,197	1,351	2,010	807
Distribution transformers, less than 500 kilovolt-amperes.....number			5,257	7,313	8,008	2,895			829	1,298	1,864	572
Instrument transformers.....do		62,003	1,023	2,895	4,995	3,820		1,264	91	155	237	156
Other transformers.....do			52,532	95,750	67,256	44,581			893	1,451	1,178	491
Battery chargers under 15 amperes.....do	[1] 50,865	60,231	60,356	40,605	14,360	4,329	[1] 1,122	1,504	289	235	149	54
Rectifiers, double current and motor generators, dynamotors, synchronous, and other converters.....number			14,799	6,587	4,481	4,736			1,129	1,278	1,152	1,151
Transmission and distribution apparatus—												
Switchboard panels, except telephone.....number	[1] 5,538	4,124	4,343	3,398	4,836	2,678	4,246	1,756	1,619	1,183	2,156	1,712
Switches and circuit breakers over 10 amperes.....thousands		365	388	457	251	57		2,202	1,758	2,259	2,390	1,292
Fuses.....do	[1] 2,914	4,761	5,366	5,714	4,696	2,289	[1] 284	422	438	574	377	186
Watt-hour and other measuring meters.....number	[1] 185,927	76,951	102,474	125,888	63,641	63,341	1,969	780	994	1,266	726	567
Volt, watt, and ampere meters, and other recording, indicating, and testing apparatus.....number		[37] 245,003						2,022	1,542	2,075	2,202	1,468
Electrical indicating instruments.....do		[7] 64,322	58,605	55,972	78,388	52,200		[7] 663	453	701	835	529
Electrical recording instruments.....do		[7] 5,768	6,151	4,092	7,061	2,829		[7] 330	216	326	447	303
Other electrical testing apparatus								[7] 947	873	1,048	920	636
Lightning arresters, choke coils, reactors, and other protective devices.....number	[1] 80,045	86,735	78,867	113,747	71,113		[1] 730	813	782	995	851	607
Motors, starters, and controllers—												
Motors ½ horsepower and under.....do	[1] 101,750	136,572	113,507	146,415	143,236	112,408	7,531	2,824	2,122	2,699	2,413	1,486
Motors over ½ and under 1 horsepower.....number			25,551	23,067	22,022	13,188			835	778	658	335
Stationary motors—												
1 to 200 horsepower.....do		21,687	19,859	24,210	19,464	10,459		3,358	2,872	4,251	3,392	1,491
Over 200 horsepower.....do		198	158	173	264	87		553	387	398	695	644
Railway motors.....do		652	513	328	217	213		629	598	304	199	177
Electric locomotives—												
Railway.....do	116	53	107	71	33	7	1,914	1,022	1,058	656	866	169
Mining and industrial.....do		117	78	102	137	80		613	471	466	736	440
Other motors							116					
Station and warehouse electric motor trucks.....number	223	180	202	115	167	94	162	204	178	187	279	220

[1] Average for years 1922–1925. [2] 1930 only. [7] Average for years 1928–1930. [9] Average for years 1924 and 1925. [37] Average for years 1926 and 1927.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 7.—MACHINERY AND VEHICLES—Continued.												
A. Electrical machinery and apparatus—Continued.												
Motors, starters, and controllers—Continued.												
Starting and controlling equipment—												
For industrial motors							1,338	1,550	1,523	2,028	1,651	1,256
For electric railway and vehicle motors								210	238	204	160	194
Portable electric tools—number		23,272	29,524	27,922	21,562	14,780		1,077	1,301	1,364	1,206	785
Accessories and parts for motors							[1] 1,709	2,607	2,542	3,494	2,410	1,761
Electric household refrigerators—number		[3] 39,256	35,712	62,067	56,658	55,800		[3] 7,084	6,469	9,945	8,236	6,860
Electric commercial refrigerators up to 1 ton—number		[3] 10,900			10,900	12,204		[3] 2,061			2,061	1,766
Parts for electric refrigerators												3,004
Electric appliances—												
Electric fans—number	64,008	76,700	66,193	84,930	92,714	49,327	978	1,026	938	1,187	1,052	434
Electromechanical health exercisers—do		[3] 4,021			4,021	946		[3] 124			124	32
Electric lamps—												
Metal filament—thousands	6,668	9,454	11,361	8,732	8,452	6,332	1,565	1,426	1,465	1,311	1,211	816
For automobiles, flashlights, and Christmas trees—thousands		[3] 3,110			3,110	3,248		[3] 194			194	215
Other metal filament bulbs—do		[3] 5,342			5,342	3,084		[3] 1,017			1,017	601
Other electric lamp bulbs—do	564	2,060	3,097	3,018	588	224	262	444	595	635	263	90
Flashlight cases—do	[1] 894	2,578	2,971	3,157	1,879	1,052	[1] 716	2,207	2,528	2,589	1,386	530
Searchlights and floodlights—number	[1] 12,319	18,073	16,444	20,429	16,036	6,148	[1] 397	635	640	572	517	295
Motor-driven household devices—												
Electric washing machines—number		23,328	27,173	28,896	26,265	15,556	[3] 189	1,566	1,823	2,000	1,710	870
Electric vacuum cleaners—do			60,263	69,897	95,268	74,872			1,308	1,489	1,724	1,184
Other motor-driven devices, except tools—number	34,248	181,415	27,201	32,762	28,449	17,304	[1] 900	2,480	858	1,129	820	451
Electric flatirons—do			141,799	157,055	124,606	95,415			362	380	275	198
Domestic heating and cooking devices—												
Electric cooking ranges—thousands	[1] 323	393	10	6	6	6	1,132	1,464	294	354	444	413
Other domestic heating and cooking devices—thousands			293	301	292	207			931	1,008	1,010	636
Industrial electric furnaces and ovens—number	[1] 1,812	2,656	2,249	2,706	4,556	3,759	[1] 236	518	456	485	863	902
Therapeutic apparatus, X-ray machines, galvanic and faradic batteries, etc							[1] 982	1,692	1,780	1,947	1,597	1,123
Signal and communication devices—												
Radio apparatus—												
Transmitting sets and parts								962	769	1,940	1,144	805
Receiving sets—number		137,558	96,341	200,936	245,192	471,263	[1] 5,570	6,342	4,550	9,776	11,550	14,357
Tubes—thousands		990	558	1,233	1,774	2,375		1,450	1,018	1,997	2,363	1,947
Receiving-set components								3,234	3,054	4,419	4,375	3,888
Loud speakers—thousands		[5] 232		243	221	231		3,271	2,671	2,289	1,636	1,064
Other receiving set accessories										2,700	2,066	575

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Telegraph apparatus							606	951	866	1,071	764	309
Telephone apparatus—												
Telephone instruments, number		37,740	30,978	68,920	34,170	19,944		547	433	981	526	320
Telephone switchboards, do		1,354	1,096	2,575	1,151	138	3,603	1,185	400	1,626	953	91
Other telephone equipment								3,108	2,495	3,961	3,895	1,467
Bells, buzzers, annunciators, and alarms							[1] 123	347	364	402	355	489
Other electrical apparatus—												
Spark plugs, thousands		[7] 5,910	4,550	6,825	6,356	5,900			1,417	2,098	1,702	1,432
Other starting, lighting, and ignition equipment							1,744	2,684	1,080	1,846	1,366	671
Insulating material, 1,000 lbs	[1] 4,569	5,554	5,399	6,828	5,501	2,275	[1] 1,352	1,342	1,349	1,495	1,123	563
Metal conduit, outlet, and switch boxes, 1,000 lbs	[1] 6,010	13,554	14,768	16,702	14,665		536	1,258	1,331	1,549	1,209	584
Sockets, receptacles, and lighting switches, thousands	[1] 4,097	10,521	12,809	11,709	9,855	6,972	[1] 1,110	1,876	1,931	2,129	1,800	1,374
Electric interior lighting fixtures								2,466	2,092	2,617	2,159	1,264
Electric street lighting fixtures							1,886		575	623	502	291
Other wiring supplies and line material								1,318	1,074	1,447	1,549	936
Other electrical apparatus, n. e. s							12,032	9,346	8,299	13,474	10,042	4,671
B. Industrial machinery							**166,526**	**216,042**	**215,877**	**265,208**	**225,637**	**141,835**
Power-generating, except electric and automotive							**30,901**	**25,239**	**23,983**	**29,091**	**19,303**	**12,358**
Steam engines—												
Stationary, except turbines, number	703	392	335	359	173	55	718	463	490	399	175	37
Mechanical-drive turbines, do	[1] 124	87	68	113	95	61	[1] 997	533	426	382	443	268
Locomotives, do	467	189	193	207	47	23	11,891	3,812	3,182	4,767	673	1,298
Locomotive parts and accessories							5,840	3,053	2,856	1,877	1,218	731
Other engines and parts										926	672	316
Steam boilers, fire tube, 1,000 sq. ft.[23]	[1] 717	730	232	297	202	69	2,263	1,656	470	684	51	121
Steam boilers, water tube, do			422	573	355	134			929	1,407	724	224
Condensers, heaters, accessories							[1] 391	777	632	1,071	867	408
Steam specialties—injectors, gauges, safety valves, steam traps, boiler-tube cleaners, etc							[1] 1,603	2,131	1,955	2,796	1,952	1,079
Internal-combustion engines—												
Stationary and portable engines—												
Gasoline locomotives, number	[17] 253	291	343	389	173	62	[17] 315	738	940	1,071	531	225
Diesel and semi-Diesel, do	[1] 1,068	744	937	904	301	280	[1] 528	1,251	1,247	1,261	992	386
Other—												
Not over 10 horsepower [29], do	27,262	32,357	39,559	35,651	24,209	7,407	4,031	2,795	3,312	3,067	1,834	570
Over 10 horsepower [29], do		3,788	4,760	4,494	4,105	4,458		2,169	2,016	2,346	2,302	2,264
Marine engines, Diesel and semi-Diesel, number	[1] 282	885	600	1,189	906	324	[1] 377	1,678	1,286	2,416	2,310	833
Engine accessories and parts (carburetors)							[1] 3,422	3,718	3,502	4,265	3,329	2,102
Water wheels and water turbines, number	[1] 237	73	76	65	54		[1] 302	465	740	356	763	1,496
Construction and conveying machinery							**9,155**	**22,188**	**22,791**	**26,485**	**25,490**	**12,370**
Excavators, incl. power shovels, number	[1] 139	473	489	648	552	218	1,631	5,845	5,655	7,296	8,079	3,270
Excavator parts and accessories							[17] 893	2,037	2,100	2,490	2,660	1,528

[1] Average for years 1922–1925. [2] 1930 only. [3] Average for years 1929 and 1930. [7] Average for years 1928–1930. [8] Average for years 1927–1930. [9] Average for years 1924 and 1925. [17] 1925 only. [23] Heating surface. [29] "Not over 8 horsepower" and "over 8 horsepower" prior to 1925.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 7. MACHINERY AND VEHICLES—Continued.												
B. Industrial machinery—Continued.												
Construction and conveying machinery—Con.												
Dredging machinery							[1] 598	924	821	925	1,101	772
Concrete mixers.....number	[1] 861	1,724	1,932	2,172	1,296	402	629	1,044	1,106	1,402	844	251
Road rollers.....do		151	184	109	101	57		379	499	309	309	137
Road graders.....do		[2] 935			935	304	980		614	897	1,047	344
Other road-making equipment								2,241	1,688	1,934	1,897	750
Other construction equipment							[1] 888	1,005	1,277	1,119	818	426
Cranes with swinging booms.....number	[1] 233	108	102	129	138	38	[1] 1,088	869	1,043	850	756	521
Other cranes.....do		278	372	332	246	70		1,259	1,443	1,909	1,420	546
Mono-rail hoists.....do			177	197	92	50			25	34	22	52
Other hoists.....do	[1] 4,704	7,895	8,138	9,223	6,994	3,575	[1] 886	1,556	1,295	1,401	1,329	499
Derricks, except mining.....do			195	277	161	16			439	541	300	37
Elevators, freight and passenger.....do		625	709	925	470	199		1,114	1,220	1,387	952	603
Conveyors, bucket, chain, or belt.....do		1,339	1,692	1,171	913	561	2,969	513	632	466	586	283
Other conveying equipment								3,402	2,935	3,527	3,370	2,351
Mining, well, and pumping machinery							**24,783**	**48,778**	**38,963**	**54,449**	**48,549**	**25,256**
Mining and quarrying machinery—												
Coal cutters.....number	[9] 78	137	104	95	111	83	[9] 206	493	440	311	436	249
Rock drills.....do	[1] 6,108	10,559	11,375	13,644	8,684	5,686	[1] 1,065	1,829	2,023	2,254	1,478	864
Mine hoists and derricks.....do	[1] 228	966	1,006	1,523	1,295	586	[1] 248	702	783	1,152	815	838
Ore crushing and sorting							[1] 1,798	3,729	3,131	4,262	4,094	2,463
Concentrating and smelting							[1] 442	970	586	1,222	1,085	936
Other mining and quarrying							6,058	7,445	7,097	8,753	7,876	4,881
Well and refinery machinery—												
Oil and gas well-drilling apparatus							7,762	8,719	8,118	9,081	9,627	3,557
Other oil-well and oil-refinery								10,294	8,074	14,822	13,196	6,772
Other well-drilling apparatus								[5] 1,049		1,102	995	323
Pumping equipment—												
Centrifugal pumps.....number		4,709	5,794	6,114	5,252	2,950		1,381	1,495	2,145	1,554	807
Steam pumps.....do		6,445	6,549	8,330	4,807	2,187		1,688	1,430	2,265	1,486	682
Other reciprocating power pumps.....do		20,168	18,893	20,152	18,423	9,284	8,038	2,658	2,513	2,614	2,306	1,358
Hand and windmill pumps.....do		86,975	107,289	73,498	54,099	24,257		739	756	754	526	174
Other pumps and parts of pumps								2,712	2,516	3,713	3,077	1,352
Power-driven metal-working machinery							[10] **13,814**	**26,211**	**27,421**	**33,439**	**35,490**	**36,034**
Engine lathes.....number	[1] 1,059	747	797	879	1,053	496	1,726	1,586	1,600	1,928	2,206	1,718
Turret lathes.....do		359	434	522	404	226		1,018	1,110	1,405	1,402	715
Other lathes.....do		702	840	948	657	684		1,298	1,721	1,856	1,241	1,592

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Vertical boring mills and chucking machinery—number		172	113	208	315	225		392	290	452	684	953
Thread-cutting and automatic screw machines—number	[1] 886	852	822	1,054	660	254	[1] 630	1,073	1,152	1,552	969	511
Knee and column type milling machines—number	[1] 540	324	321	537	314	151	[1] 778	784	811	1,290	894	603
Other milling machines—do		580	680	681	679	452		1,359	1,489	1,559	2,180	1,763
Gear-cutting machines—do	[1] 378	367	404	434	398	380	[1] 390	947	1,095	1,331	962	1,603
Vertical drilling machines—do		406	517	395	456	321		415	493	425	575	686
Radial drilling machines—do		119	132	142	156	116		275	341	355	334	256
Other drilling machines—do		1,625	1,241	2,051	1,544	1,612		646	694	702	1,128	1,637
Planers and shapers—do	[1] 233	435	398	482	322	304	[1] 354	723	762	911	964	808
Grinding machines—												
Surface—do		[5] 231		288	174	171		[5] 324		327	321	515
External cylindrical—do		699	945	824	509	401		1,589	2,173	1,866	1,357	1,397
Internal—do		390	462	468	311	248		931	921	1,190	967	1,032
Tool grinding, cutter grinding, and universal—number		1,054	727	1,416	1,568	789	1,588	525	508	656	753	605
Other metal-grinding machines								805	798	1,057	1,106	1,177
Sheet and plate metal-working machines								2,702	2,773	3,330	4,619	5,555
Forging machinery								1,347	955	1,764	1,847	3,984
Rolling-mill machinery								885	634	1,658	1,187	1,390
Foundry and molding equipment							[1] 515	1,785	1,351	2,035	3,589	2,284
Other power-driven metal-working machinery and parts							[10] 8,367	4,995	5,751	5,790	6,204	5,250
Other metal-working machinery							[1] 3,127	4,172	4,246	4,754	3,862	4,002
Pneumatic portable tools—number	[1] 12,254	20,581	21,824	24,736	18,511	9,672	[1] 813	1,614	1,704	2,034	1,479	783
Other portable and hand or foot operated metal-working machines and parts								897	1,017	1,222	990	558
Chucks for machine tools—number	[1] 23,782	18,945	19,324	20,706	21,441	9,074	[1] 295	239	244	288	214	129
Other metal-working tools									1,281	1,211	1,179	2,532
Textile, sewing, and shoe machinery							23,690	23,374	24,818	27,884	18,424	12,716
Textile machinery							12,588	11,408	12,857	13,657	8,661	6,787
Full-fashioned hosiery knitting machines, power driven—number		[2] 85			85	2		[2] 455			455	21
Circular hosiery knitting machines—number		6,649	8,953	5,785	2,215	2,168		2,736	3,751	2,602	1,075	809
Other circular knitting machines—do		1,432	1,839	1,348	746	1,174		657	784	630	399	620
Other knitting machines and parts							[1] 3,211	1,394	1,429	2,143	1,169	750
Textile winding machines—number		[2] 1,091			1,091	1,569		[2] 360			360	629
Cotton spinning and twisting machines							[3] 456	525	454	565	542	463
Cotton looms—number		[5] 1,452		2,489	414	1,292	511	543	693	633	173	378
Other cotton machinery							[9] 1,041	785	544	1,127	888	493

[1] Average for years 1922–1925.
[2] 1930 only.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[9] Average for years 1924 and 1925.
[10] All metal-working machinery is included prior to 1922.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 7.—MACHINERY AND VEHICLES—Continued.												
B. Industrial machinery—Continued.												
Textile, sewing, and shoe machinery—Con.												
Textile machinery—Continued.												
Wool carding and weaving machinery							[1] 267	292	342	346	218	160
Silk machinery							[1] 254	542	599	826	768	519
Other textile and textile finishing machinery							[1] 3,244	3,770	4,260	4,784	2,614	1,945
Sewing machines—												
For domestic use—number	[1] 246,151	173,222	166,837	196,070	116,898	51,811	8,210	4,616	4,356	5,439	3,128	1,164
For factory or industrial use—do		57,883	62,128	70,033	49,145	42,335		4,054	4,250	4,886	3,644	2,740
Sewing-machine parts							[1] 1,861	1,600	1,615	1,864	1,314	1,025
Shoe machinery, except sewing							1,404	1,695	1,740	1,988	1,678	1,000
Other industrial machinery							61,681	71,080	73,657	89,157	74,519	39,095
Cigarette, cigar-making, and other tobacco machinery								[7] 1,380	1,208	1,296	1,635	1,704
Bakery machinery and parts								[8] 837	1,070	1,002	789	466
Flour-mill and gristmill							1,135	647	582	686	478	251
Rice-mill machinery							[1] 187	205	214	197	139	65
Sugar-mill machinery—												
Cane mills—number		3,022	3,188	3,166	1,782	1,007	8,405	480	638	721	287	105
Other sugar-mill machinery								4,182	4,053	3,716	4,029	1,048
Paper and pulp-mill machinery							2,134	3,633	3,067	3,917	3,511	1,276
Sawmill machinery							740	877	921	941	758	528
Planers, matchers, jointers, and molders—number	[17] 188	208	209	237	77	60	[17] 198	235	222	285	126	74
Other woodworking machinery and parts							1,571	1,809	2,062	2,522	1,776	886
Veneer machinery								80			80	26
Blowers and ventilating machinery							[9] 514	[2] 1,366	1,260	2,163	1,726	1,077
Bottling and bottle-washing machinery								[5] 1,636		1,834	1,437	839
Brewers' machinery							638	981	1,283	1,026	630	355
Ice-making equipment								776	820	722	830	565
Refrigerating equipment—							2,150					
Up to 1 ton capacity [31]								2,548	1,330	1,815	1,440	285
Over 1 and up to 10 tons capacity [31]										1,401	921	422
Over 10 tons refrigerating capacity								846	912	917	922	289

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Oil-mill machinery							[1] 323	866	775	974	703	241
Cotton gins, cotton presses, and parts							506	490	573	478	338	268
Ball and roller bearings, and parts 1,000 lbs.	[1] 2,464	3,492	4,176	4,296	4,444	2,323	[1] 1,485	2,464	2,326	3,236	3,260	1,751
Air compressors—												
Capacity up to 25 cubic feet ....number	[1] 5,790	11,431	12,887	14,018	9,711	5,647	3,120	1,162	1,201	1,272	884	513
Capacity over 25 cubic feet ....do		3,964	4,064	5,413	3,679	1,387		4,932	5,536	6,317	4,721	1,577
Meat and other grinding and slicing machines....number		[5] 31,470	14,983	10,091	8,775	6,799		[8] 994	1,118	1,004	913	728
Paint-spraying equipment								[7] 671	593	781	638	409
Laundry machinery—												
Power-driven laundry machines for commercial laundries....do		2,591	2,348	3,822	2,531	1,022	1,392	1,483	1,274	2,034	1,443	839
Other laundry and dry-cleaning equipment								1,780	2,040	2,780	1,975	1,143
Gas meters....number	[1] 34,062	22,978	25,337	25,020	18,099	8,035	590	326	320	404	303	110
Water meters....do		29,940	27,984	21,898	44,534	47,981		455	477	390	469	395
Iron or steel body valves for steam, water, oil, and gas....thousands		[7] 249	195	343	208	104		[7] 3,619	2,470	4,521	3,865	1,329
Other parts, n. e. s							37,357	32,999	35,311	39,805	33,489	19,531
C. Office appliances							**23,466**	**44,963**	**48,469**	**53,754**	**42,218**	**24,982**
Accounting and calculating machines—												
Billing and bookkeeping machines....number	20,933	10,545	12,325	11,581	8,851	4,607	4,451	5,311	6,236	6,421	5,463	3,310
Listing-adding-bookkeeping....do		[8] 4,577	7,308	4,272	1,920	1,354		[8] 2,681	3,884	2,872	1,765	1,338
Typewriter-bookkeeping-billing....do		[8] 6,483	5,017	7,309	6,931	3,255		[8] 3,119	2,352	3,549	3,698	1,972
Nonlisting adding machines....do		[8] 2,037	2,273	3,540	1,064	240		[8] 146	121	263	91	16
Listing-adding machines....do		31,562	38,683	36,211	29,134	16,036		3,088	3,786	3,546	2,785	1,568
Calculating machines....do		12,431	13,814	14,886	10,834	5,417		2,143	2,335	2,762	2,120	899
Card punching, sorting, and tabulating machines....number		1,439	1,356	1,376	1,591	1,484		1,057	1,119	869	1,035	999
Other, including used and rebuilt....do		3,864	5,346	3,340	4,319	7,954		276	282	259	290	272
Duplicating machines, parts and supplies for							[1] 450	656	569	811	873	602
Cash registers....number	17,269	36,182	38,264	43,680	35,826	22,142	3,436	7,302	7,475	9,525	7,579	4,082
Parts of cash registers							359	767	673	1,080	938	378
Typewriters....number	[1] 254,463	368,542	390,539	425,243	319,970	211,945	14,192	19,918	21,011	22,843	16,683	9,852
Standard typewriters, new....do	[17] 205,407	203,806	212,959	229,190	158,421	87,574	[17] 14,010	14,006	14,627	15,771	10,963	5,838
Portable typewriters, new....do	[17] 85,602	123,633	132,291	146,193	117,272	84,287	[17] 3,087	4,629	4,987	5,491	4,385	2,996
Used and rebuilt typewriters....do	[17] 27,315	41,103	45,289	49,860	44,277	40,084	[17] 924	1,284	1,398	1,581	1,335	1,018
Typewriter parts							[1] 834	1,044	949	1,269	1,099	693
Other office appliances								3,291	3,914	4,105	3,262	2,310
D. Printing machinery							**9,806**	**16,097**	**16,579**	**19,061**	**15,323**	**8,668**
Typesetting machines....number	[1] 1,249	1,377	1,446	1,727	1,120	702	3,641	4,584	4,947	5,770	3,960	2,334
Printing presses....do	[1] 2,724	2,799	2,931	3,005	2,567	1,244	5,282	5,989	6,156	6,472	4,836	2,116
Bookbinding machinery and accessories								[2] 433			433	323
Other printing and typesetting machinery and accessories							[9] 1,705	5,437	5,476	6,819	6,094	3,895

[1] Average for years 1922–1925. [2] 1930 only. [3] Average for years 1923–1925. [5] Average for years 1929 and 1930.
[7] Average for years 1928–1930. [8] Average for years 1927–1930. [9] Average for years 1924 and 1925. [17] 1925 only.
[31] Total refrigerators, including household electric, up to 10 tons refrigerating capacity prior to 1927 and over 1 and up to 10 tons, in 1927 and 1928.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 7—MACHINERY AND VEHICLES—Contd.												
E. Agricultural machinery and implements							51,913	109,901	116,651	140,801	116,809	57,403
Bee-keeping equipment								[5] 115		130	100	71
Cream separators—number	8,551	12,491	12,367	12,420	14,596	9,062	406	722	797	700	879	508
Other dairy machinery and parts							[1] 902	1,455	1,504	1,769	1,336	666
Incubators and brooders—number	[1] 11,216	27,869	31,099	30,757	26,984	9,768	237	719	736	879	808	292
Other poultry equipment, n. e. s.								[7] 241	187	252	285	140
Implements of cultivation—												
Horse and power plows—do	[1] 242,067	184,546	183,021	244,882	151,269	53,433	6,162	6,227	6,006	8,169	6,096	1,397
Harrows—do		32,590	31,371	51,072	23,536	3,320		1,758	1,811	2,617	1,437	193
Cultivators, horse and power—do		58,802	55,494	69,292	54,418	19,535		1,137	960	1,506	1,279	504
Planters, horse and power—do	[1] 18,568	11,308	5,860	11,706	24,162	5,046	1,141	487	250	494	977	569
Drills and seeders, horse and power—do		18,639	15,891	24,424	16,355	1,703		1,808	1,574	2,651	1,290	221
Sprayers and dusters—do	[17] 36,233	158,755	83,269	59,533	537,581	917,898	[17] 255	406	435	335	479	367
Other cultivating implements and parts							[1] 3,241	4,716	4,702	6,030	3,964	1,763
Harvesting machinery—												
Mowers, except lawn—number	[1] 68,724	14,084	14,120	13,400	9,218	2,026	2,813	874	835	863	580	138
Lawn mowers, hand and power—do		100,890	117,950	103,167	77,685	40,576	[32] 543	791	949	848	557	332
Hayrakes and tedders—do	[1] 10,388	8,246	10,820	9,810	7,272	908	389	315	363	389	343	38
Grain harvesters and binders—do	[1] 29,563	26,224	22,576	21,378	14,630	4,055	[1] 4,738	4,800	4,472	4,191	2,821	718
Combines (reapers, threshers)—do	[17] 1,720	6,785	7,317	10,887	6,573	2,608	[17] 1,028	8,730	10,449	15,536	9,024	6,237
Other harvesting implements and parts							[1] 3,292	4,103	4,053	5,837	3,956	2,146
Seed separators—												
Threshers—number	[1] 5,175	4,115	6,046	2,806	1,414	214	4,785	3,913	5,723	2,560	1,482	218
Corn shellers—do	[1] 10,626	15,942	21,272	17,851	10,870	2,862	[1] 212	280	297	363	197	54
Other separators and parts							[1] 1,158	1,596	2,024	1,051	572	500
Feed cutters, grinders, and crushers—number	[1] 2,910	7,318	8,905	8,554	5,875	3,212	[1] 165	342	393	427	361	199
Wheel tractors—do	22,965	51,933	53,993	54,353	44,774	27,079	14,312	40,096	44,360	49,108	44,188	26,981
Track-laying tractors—do		3,413	3,169	5,802	5,122	1,739		7,036	6,047	11,275	12,445	4,120
Track-laying tractors less tracks—do		[7] 532	703	648	244	11		[7] 1,064	1,162	1,390	639	26
Engines for tractors—do		1,055	642	842	279	28		462	213	286	122	6
Parts and accessories for tractors							2,559	10,066	9,612	13,165	14,494	6,815
Windmills—number	[1] 11,558	22,160	25,151	32,492	13,657	4,694	1,105	1,369	1,584	1,787	853	291
Towers and parts of windmills, except pumps							[1] 528	776	776	956	597	150
Hay presses, hand and power—number	[1] 1,022	929	1,205	1,190	599	140	[1] 252	275	350	342	190	46
Other agricultural machinery, implements, and parts							5,831	3,814	4,026	4,893	3,400	1,694
F. Automobiles and other vehicles							211,034	443,782	538,973	589,264	312,834	166,273
Automobiles, parts, and accessories							177,164	405,121	500,177	539,298	277,425	146,693

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Electric trucks and passenger cars, number	[1]202	113	138	170	34		[1]280	170	178	248	62	
Motor trucks, busses, and chassis, do	25,952	118,473	138,768	196,760	84,512	48,248	18,165	75,190	91,361	111,435	55,856	25,101
Under 1 ton, do	[1]29,324	115,427	135,662	193,430	80,254	7,768	[1]16,712	67,392	83,545	102,881	46,962	2,683
1 and not over 1½ tons, do						34,997						15,273
Over 1½, not over 2½ tons, do						3,611						4,174
Over 2½ tons, do	[1]1,246	3,046	3,106	3,330	4,258	1,375	[1]3,411	7,798	7,816	8,554	8,894	2,449
Bus chassis, do						176						399
Secondhand trucks and busses, do						321						123
Passenger cars and chassis, do	124,092	275,627	368,329	339,447	153,069	82,457	94,339	197,649	263,576	234,291	105,979	50,007
Not over $850, do	[1]143,982	267,230	356,775	329,475	147,742	66,142	[1]100,242	177,168	235,718	210,642	93,278	31,735
Over $850, not over $1,200, do						9,986						9,582
Over $1,200, not over $2,000, do						2,787						4,000
Over $2,000, do	[1]3,396	8,397	11,534	9,972	5,322	1,515	[1]9,473	20,481	27,857	23,650	12,701	3,836
Secondhand passenger cars, do						2,027						853
Parts of, except tires—												
Automobile engines—												
For motor trucks and busses, do	54,420	10,750	16,244	8,331	19,489	6,034	6,355	1,141	1,651	1,155	1,635	854
For passenger cars, do		88,420	108,061	87,072	41,106	18,958		9,315	11,375	9,061	3,901	1,516
Automobile parts for assembly								62,237	62,421	107,673	61,260	39,963
Automobile and truck springs								[5]822		873	770	488
Automobile parts for replacement, n. e. s.							58,081	50,815	60,334	65,157	42,330	25,548
Automobile accessories								8,277	9,281	9,406	5,544	3,216
Automobile shock absorbers and stabilizers, number		[7]351,607	500,551	308,968	245,302	214,051		[7]825	1,254	769	452	326
Automobile bumpers, do		41,180	67,891	39,714	15,932	21,147		[7]201	344	198	62	57
Automobile horns, hand and electric, do		[5]125,583		134,792	116,374	96,909		[5]325		383	267	199
Other accessories, n. e. s.								[7]6,834	7,683	8,056	4,763	2,634
Automobile service appliances, n. e. s.							[5]3,117	6,927	7,366	7,531	5,879	3,719
Automobile tire-service equipment								[7]858	1,135	867	573	317
Pumps for gasoline and oil, number		97,425	97,706	127,632	66,937	34,827		[7]3,145	3,972	3,282	2,180	955
Other service appliances								[7]2,922	2,259	3,382	3,126	2,447
Automotive fire engines, number	[8]95	42	54	50	17	17	[8]169	135	224	146	45	95
Trailers, do	[1]654	1,029	854	1,039	1,322	593	[1]264	457	396	477	648	208
Airplanes, seaplanes, and other aircraft, do	54	189	162	348	321	140	341	2,643	1,760	5,485	4,820	1,813
Engines for aircraft, do	[1]112	252	179	322	376	307	132	948	665	1,383	1,635	1,432
Aircraft parts and accessories, except tires							[1]150	1,316	1,240	2,258	2,363	1,623
Cycles—												
Bicycles, number	[1]14,591	5,024	5,089	6,108	3,746	1,434	463	131	134	141	99	36
Motor cycles, do	17,759	17,520	18,934	16,265	10,262	5,469	4,386	3,963	4,403	3,711	2,410	1,302
Parts and accessories, except tires							[1]1,637	1,316	1,472	1,132	955	567
Motor boats with engines installed, number	135	404	455	560	497	205	405	766	755	1,182	819	416
Internal-combustion marine engines, except Diesel—												
Detachable motors (outboard), number	5,038	8,149	10,479	11,321	7,241	4,166	1,199	1,143	1,484	1,790	1,058	419
Other, do		3,015	2,987	4,127	2,142	1,352		1,461	1,613	2,126	1,171	1,356

[1] Average for years 1922–1925.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[10] 1925 only.
[22] Average for years 1921, 1922, and 1925.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 7.—Machinery and vehicles—Contd.												
F. Automobiles and other vehicles—Continued.												
Railway cars—												
Passenger service—												
Electric railway, number	[33] 1,187	78	94	95	19	22	[33] 1,584	657	1,026	750	205	30
Steam railway, do	143	232	275	315	107	25	1,347	1,558	1,480	2,887	493	586
Self-propelled railway and tram cars, do		[5] 427		386	468	533		[5] 405		155	654	665
Freight cars, do	6,654	3,516	3,683	3,854	2,918	867	8,276	4,247	3,938	5,916	4,939	1,523
Mine cars, do	[1] 1,916	1,474	1,325	2,038	1,084	334	[1] 420	414	382	801	244	136
Air-brake equipment							[1] 698	1,030	1,121	979	666	317
Parts, except axles and wheels							5,506	4,085	3,370	5,397	2,817	1,344
Railway signals and attachments							[1] 796	838	713	1,240	959	873
Wagons and drays, number	8,389	4,971	7,051	5,554	2,138	882	705	483	501	541	293	131
Wheelbarrows, do	[1] 92,965	93,158	101,242	96,369	46,548	16,800	600	373	385	378	177	63
Pushcarts and hand trucks, do		12,406	15,550	11,000	11,040	5,733		246	301	221	247	130
Wheels, except automobile and car, thousands	[1] 18 4	112	102	95	62	89	[1] 204	257	292	276	172	123
Other vehicles and parts							3,618	3,103	3,776	3,064	1,638	674
Group 8.—Chemicals and related products												
Total							107,564	134,954	137,331	152,109	127,855	100,094
A. Coal-tar products							9,668	15,940	13,792	17,876	17,557	10,308
Benzol, 1,000 gals	9,730	28,843	21,338	33,346	44,600	21,861	2,501	7,049	4,963	8,537	9,566	3,795
Crude coal tar, 1,000 bbls [12]		[5] 98		109	87	71	701	1,297	1,189	389	274	207
Coal-tar pitch, tons of 2,240 lbs		[5] 18,513		9,805	27,221	50,667				204	290	493
Creosote oil, 1,000 gals						1,494						215
Colors, dyes, stains and color lakes, do	[1] 16,948	30,074	27,824	34,130	28,267	20,313	5,392	6,300	6,531	7,279	6,246	4,739
Other coal tar products exclusive of medicinals, do						13,443	1,075	1,293	1,109	1,466	1,181	860
B. Medicinal and pharmaceutical preparations							16,418	20,121	20,843	21,467	17,800	15,103
Milk of magnesia, 1,000 lbs		[5] 677		691	663	545		[5] 283		294	272	195
Castor oil, gals		[5] 80,783		85,831	75,735	70,107		[5] 133		151	115	117
Cod-liver oil, do		[5] 44,454		46,070	42,838	25,841		[5] 101		117	85	67
White mineral oil, do		[7] 281,721	210,083	260,489	374,590	321,464		[7] 371	172	450	491	329
Biologics (antitoxins, serums, vaccines, etc)							[1] 781	2,036	1,886	2,530	2,593	2,346
Druggists nonproprietary preparations											2,996	3,209
Household pharmaceuticals in small packages							[16] 121	17,657	18,785	17,925	760	540
Proprietary medicinal preparations											10,489	8,300

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C. Industrial chemical specialties							5,421	13,006	15,510	15,440	15,589	13,754
Nicotine sulphate	1,000 lbs.	[7] 326	93	251	635	248		[7] 206	90	218	309	203
Lead arsenate	do.	[7] 1,643	1,094	1,564	2,271	1,788		[7] 199	141	192	264	176
Calcium arsenate	do.	[7] 2,499	1,179	3,140	3,177	2,146		[7] 135	67	171	167	101
Other agricultural insecticides, etc.	do.		6,305	7,977	8,352	6,975			663	843	718	718
Household insecticides, etc.	do.	20,093	17,416	10,973	12,319	7,355		4,236	4,435	3,262	3,789	2,185
Household disinfectants, deodorants, etc.	do.			2,249	2,304	2,440				310	289	283
Baking powder	do.	3,890	4,952	5,679	5,315	4,517	4,177	1,568	1,705	2,016	1,730	1,434	1,269
Petroleum jelly	do.	[1] 8,136	6,976	6,404	7,073	11,032	11,064	1,216	901	889	926	923	788
Tobacco extracts	do.		[8] 1,981	2,294	2,039	1,294	1,294		[8] 432	513	349	225	219
Pextrine or British gum	do.	[1] 19,329	21,239	21,391	20,828	17,115	12,671	[1] 773	920	929	983	780	536
Water softeners, purifiers, boiler and feed-water compounds	1,000 lbs.		[7] 3,092	2,814	3,264	3,199	2,249		[7] 365	285	394	416	280
Metal welding, soldering, and core compounds, fluxes, and hardeners	1,000 lbs.		[7] 1,809	1,733	2,240	1,453	1,041		[7] 275	240	336	248	159
Polishes—													
Metal and stove polishes	do.	[1] 3,018	2,033	2,339	1,850	1,288	868	346	305	338	284	205	127
Shoe polishes	do.	[1] 5,376	3,016	3,282	2,746	2,146	1,305	[1] 1,260	876	938	808	645	406
Leather dressings and stains	do.			2,168	2,136	1,997	1,823			425	417	406	362
Floor wax, wood, and furniture polishes	1,000 lbs.	2,887	4,275					665	888				
Automobile polishes	do.			2,413	1,577	1,506	1,314			554	346	310	241
					1,261	1,435	1,098				345	366	299
Other chemical specialty compounds, n. e. s.								[7] 3,536	2,987	3,526	4,095	5,400	
D. Industrial chemicals							24,547	24,502	24,572	27,166	23,015	19,774	
Acids and anhydrides—													
Sulphuric	1,000 lbs.	10,468	7,233	7,000	6,960	5,471	3,202	204	148	146	142	114	60
Boric (boracic)	do.		[7] 3,797	3,382	5,204	2,804	4,221		[7] 165	190	180	125	194
Other acids and anhydrides	do.	[1] 14,268	14,089	12,431	15,254	12,126	8,250	984	820	693	942	846	366
Alcohols—													
Methanol [34]	1,000 gals.	788	540	524	498	952	583	732	367	375	403	483	241
Glycerin	1,000 lbs.	1,963	1,099	2,052	1,374	608	328	325	179	259	198	103	48
Other alcohols	do.		[7] 2,811	2,949	2,126	3,358	2,723	721	367	403	290	441	283
Acetone	do.		[7] 5,500	4,959	7,897	3,645	3,846		[7] 492	427	708	342	283
Formaldehyde (formalin)	do.	[1] 2,744	2,670	2,368	2,588	3,769	2,905	320	221	199	225	246	163
Other synthetic organic products	do.		[7] 955	842	698	1,326	5,536		[7] 181	141	156	246	698
Nitro or aceto cellulose solutions, collodion, etc.	1,000 lbs.		[7] 1,815	1,505	2,111	1,828	2,200		[7] 509	381	625	520	536
Ammonium compounds (except sulphate and anhydrous ammonia)	1,000 lbs.	[1] 5,124	3,201	2,679	1,746	2,365	1,263	[1] 934	321	138	102	129	111
Aluminum sulphate	do.	[1] 33,900	47,086	45,426	53,176	50,509	55,335	[1] 452	549	552	608	573	568
Other aluminum compounds	do.		[7] 1,135	837	549	2,018	1,749		[7] 115	86	65	195	171
Calcium compounds—													
Calcium carbide	do.	9,482	4,297	3,746	4,345	3,987	2,834	452	184	173	185	180	121
Chlorinated lime or bleaching powder	do.	27,467	13,478	21,870	5,024	2,949	1,721	508	257	370	128	90	59

[1] Average for years 1922–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[8] Average for years 1927–1930.
[12] Of 500 pounds.
[23] Data prior to 1922 are "cars for railways other than steam."
[34] "Wood and denatured alcohol" prior to 1924.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 8.—CHEMICALS, ETC.—Continued.												
D. Industrial chemicals—Continued.												
Calcium compounds—Continued.												
Calcium chloride, 1,000 lbs.		[5] 36,775		30,851	42,699	48,703		[5] 439		363	514	567
Citrate of lime, do						5,044						584
Other, except arsenate and cyanide, do	22,598	13,626	28,699	4,246	4,991	1,626	644	535	877	206	558	87
Copper sulphate (blue vitriol), do	4,050	6,231	8,667	6,420	5,062	7,191	206	326	455	368	253	277
Hydrogen peroxide (or dioxide), do		[5] 2,078		2,238	1,917	1,320		[5] 344		383	304	208
Potassium compounds (not fertilizer), do	[1] 7,156	3,616	5,237	3,047	2,512	2,318	465	500	609	584	499	371
Sodium compounds, n. e. s., do	[4] 355,100	500,694	542,350	705,195	518,243	502,669	8,725	10,548	11,624	12,388	10,627	9,962
Bichromate and chromate, do	[17] 7,299	7,383	8,692	5,855	4,933	4,407	[17] 445	476	561	397	327	288
Cyanide, do	[1] 3,014	1,552	1,522	1,816	1,242	1,121	[1] 368	243	242	274	181	161
Borate (borax), do	25,979	112,770	135,703	159,768	165,863	173,876	1,176	2,625	3,454	2,935	3,058	3,359
Carbonate (soda ash, sal soda), do	43,055	68,348	66,662	90,404	78,946	64,335	936	1,269	1,241	1,530	1,335	984
Silicate (water glass), do	31,249	57,977	59,326	66,735	60,494	58,577	305	532	642	617	572	523
Hydroxide (caustic soda), do	100,872	114,211	119,415	121,077	126,379	131,189	3,400	3,363	3,488	3,516	3,706	3,465
Bicarbonate (acid soda or baking soda), 1,000 lbs.	15,403	19,020	18,711	18,947	19,818	18,711	344	357	345	357	370	330
Sulphate, do		[5] 6,102		3,332	8,872	9,305		[5] 83		53	113	76
Other sodium compounds, n. e. s., do	[1] 112,520	116,991	132,319	237,262	51,696	41,148	2,180	1,650	1,651	2,709	966	776
Tin compounds, do		[7] 604	591	658	562	653		[7] 182	201	207	138	127
Zinc compounds (except oxide), do		[7] 3,306	3,377	3,423	3,117	2,022		[7] 145	152	154	129	88
Gases, compressed and liquefied—												
Ammonia, anhydrous, do		[7] 2,170	1,908	2,329	2,272	1,892		[7] 343	315	374	339	235
Chlorine, do		[7] 6,731	5,493	7,168	7,532	8,843		[7] 249	235	257	256	248
Other gases, n. e. s., do		[7] 2,662	2,379	3,237	2,369	2,398		[7] 397	365	427	399	344
Other industrial chemicals							9,151	7,199	5,205	6,497	4,366	2,780
E. Pigments, paints, and varnishes							14,765	23,397	25,614	29,111	21,689	15,127
Mineral earth pigments—												
Ocher, umber, sienna, and other forms of iron oxide for paints, 1,000 lbs.	[1] 28,944	39,014	38,733	41,960	45,132	16,612	[1] 925	923	1,084	863	535	272
Other mineral earth pigments (whiting, barytes, etc.), 1,000 lbs.						16,444						157
Chemical pigments—												
Zinc oxide, 1,000 lbs.	10,517	28,938	29,598	35,275	21,507	10,262	775	1,868	1,850	2,302	1,447	717
Lithopone, do	[1] 2,655	6,239	6,652	9,112	7,331	7,642	[1] 146	321	338	463	380	341
Bone black and lampblack, do	[1] 33,637	3,434	3,751	3,201	3,674	2,773	3,175	204	219	185	187	131
Carbon black, do		69,527	77,903	91,829	84,260	96,714		5,815	6,794	8,271	5,789	5,079

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Red lead, litharge, and orange minerals [35]	do	2,325	4,522	4,168	5,780	8,255	6,174	236	381	365	503	590	385
White lead	do	10,832	12,487	12,953	11,815	13,092	10,017	944	973	952	922	923	562
Other chemical pigments	do	[1] 5,640	5,668	5,270	7,356	6,062	5,887	716	787	747	1,087	864	740
Bituminous paints, liquid and plastic								[3] 275	612	725	812	747	479
Paste paint	1,000 lbs		[5] 1,721		1,657	1,785	4,054	6,311	7,961	8,553	348	354	529
Ready-mixed paints, stains, and enamels	1,000 gals						1,599				8,347	5,758	3,309
Kalsomine or cold-water paints, dry	1,000 lbs		[5] 8,104		7,674	8,533	6,359		[5] 437		429	444	333
Nitrocellulose (pyroxylin) lacquers—													
Thinners for nitrocellulose lacquers	1,000 gals						305						370
Pigmented	do	890	1,265	1,404	262	256	333	1,587	2,585	2,762	881	862	950
Clear	do					71	94					149	198
Varnishes (oil or spirit, and liquid dryers)	do				1,169	774	377				2,181	1,442	547
Paint and varnish removers	do						19						28
Paint specialties									[7] 1,320	1,223	1,519	1,217	
F. Fertilizers and fertilizer materials	tons of 2,240 lbs	1,028,151	1,335,703	1,218,838	1,534,295	1,551,559	1,243,667	17,472	17,917	16,095	20,441	15,284	13,011
Nitrogeneous fertilizer materials—													
Sulphate of ammonia	do	129,026	127,851	93,015	144,761	81,662	66,902	7,924	6,046	4,373	6,296	2,910	2,220
Other nitrogeneous materials	do	[1] 6,614	15,254	7,772	24,358	25,552	71,712	[1] 338	754	324	1,230	1,159	2,608
Phosphate materials—													
Phosphate rock—													
High-grade hard rock	do	117,793	91,103	89,702	67,474	65,992	105,293	2,343	724	616	473	447	614
Land pebble and other	do	616,033	895,778	809,062	1,075,272	1,159,730	846,012	3,607	4,203	3,837	4,914	5,183	3,663
Superphosphates (acid phosphates)	do	36,938	91,470	88,613	85,118	111,659	81,587	516	1,429	1,511	1,489	1,595	941
Potash fertilizer materials	do		[5] 14,542		13,868	15,216	28,982		[5] 613		583	643	1,267
Prepared fertilizer mixtures	do	[1] 24,532	27,508	26,414	33,508	36,459	5,778	[1] 1,187	1,167	936	1,796	1,477	227
Other fertilizers	do	43,445	80,922	104,260	89,936	55,289	37,401	1,862	3,347	4,498	3,660	1,869	1,471
G. Explosives, fuses, etc.								3,892	4,072	5,185	4,549	2,950	1,733
Explosives—													
Smokeless powder	1,000 lbs	1,349	854	1,998	949	475	246	559	704	1,608	853	439	196
Other gunpowder	do		486	587	430	255	267		144	159	132	87	74
Blasting powder	do	[1] 2,458	2,107	3,329	1,711	842	748	[1] 216	153	228	117	69	73
Dynamite	do	14,560	13,840	15,501	16,277	9,090	5,546	2,270	1,964	2,171	2,228	1,280	754
Other explosives	do	[1] 1,072	621	466	322	627	311	[1] 224	163	83	84	236	80
Fuses and blasting caps—													
Safety fuses	1,000 lin. ft		92,765	95,698	113,352	79,875	68,077	407	575	589	724	485	376
Blasting caps	1,000 caps		34,508	31,541	22,169	18,223	8,427	[1] 381	368	346	411	354	180
H. Soap and toilet preparations								15,505	15,998	15,721	16,059	13,970	11,282
Soap—													
Medicated	1,000 lbs		[2] 563			563	452		[2] 358			358	261
Toilet and fancy	do	[1] 6,768	7,286	7,237	6,586	5,443	5,062	2,784	2,272	2,299	1,984	1,235	1,020

[1] Average for years 1922–1925.
[2] 1930 only.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[7] Average for years 1928–1930.
[17] 1925 only.
[35] "Red lead" prior to Jan. 1, 1927.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 8.—CHEMICALS, ETC.—Continued												
H. Soap and toilet preparations—Continued												
Soap—Continued												
Laundry, 1,000 lbs.	76,213	49,965	47,617	47,344	37,866	28,820	5,821	3,420	3,377	3,193	2,534	1,756
Powdered or flaked, do.		[5] 2,296		2,322	2,269	1,703		[5] 216		231	202	137
Scouring soaps and powders, do.	4,206	7,744	5,821	10,682	11,788	7,964	248	502	363	736	829	528
Shaving soaps (creams, powders, and sticks), 1,000 lbs.		[5] 1,127		1,060	1,194	1,282		[5] 508		537	480	421
Other, do.		8,174	9,022	6,547	3,683	1,971		842	827	597	356	178
Perfumery and toilet waters								[1] 482	371	460	380	248	143
Talcum and other toilet powders								[1] 1,660	1,594	1,606	1,531	1,484	1,215
Creams, rouges, and other cosmetics								[1] 1,144	2,078	1,898	2,048	3,115	3,022
Dental creams, 1,000 lbs.		3,119	2,942	2,955	2,751	2,215			2,771	2,669	2,532	2,274	2,080
Other dentifrices, do.	[1] 3,374	612	621	822	428	346	[1] 2,712		338	331	369	249	164
Other toilet preparations								1,854	1,450	1,893	1,921	608	327
GROUP 9.—MISCELLANEOUS												
Total								119,012	141,977	142,523	163,666	135,538	94,282
A. Photographic and projection goods								**17,802**	**24,350**	**21,476**	**31,566**	**29,477**	**20,139**
Cameras, thousands	[1] 206	502	460	633	504	408	1,226	2,338	2,424	2,982	2,202	1,383
Motion-picture projectors, number	[1] 1,238	3,807	5,955	4,300	3,794	4,468	[1] 302	731	950	805	737	557
Parts of cameras, except lenses							[1] 369	591	574	364	424	204
Motion-picture sound equipment								[2] 7,736			7,736	3,864
Stereopticons, magic lanterns, and other projection apparatus							[1] 202	2,064	308	8,492	752	264
Projection arc lamps, number		[2] 967			967	367		[2] 122			122	70
Motion-picture films—												
Sensitized, not exposed, 1,000 lin. ft.	55,875	65,253	75,015	72,769	87,532	108,180	1,296	1,507	1,727	1,501	1,921	2,323
Exposed, do.	167,127	246,284	222,123	282,215	274,351		7,048	7,435	6,474	7,622	8,119	5,585
Negative films, silent, do.	167,127	8,912	7,712	8,443	4,165	2,251	7,048	1,293	1,221	1,121	348	187
Negative films, sound, do.					8,191	13,947					984	1,230
Positive films, silent, do.					83,750	26,944					2,047	630
Positive films, sound, do.		237,372	214,411	273,772	178,246	156,548		6,143	5,253	6,502	4,740	3,538
Other sensitized films, not exposed, thousands	[1] 21,867	21,268	20,562	21,326	20,056	16,852	4,144	4,272	4,403	4,817	4,267	3,549
Dry plates, 1,000 doz.	[1] 651	843	805	983	761	583	[1] 430	463	471	539	408	293
Photographic paper, 1,000 lbs.	[1] 1,567	1,965	1,925	2,364	1,791	1,523	[1] 1,477	1,789	2,014	2,445	1,441	1,161
Other photographic apparatus and supplies (including unsensitized picture films)							1,864	1,588	2,133	1,996	1,347	886
B. Scientific and professional instruments, apparatus, and supplies							**9,584**	**11,439**	**11,108**	**12,423**	**11,284**	**93,887**

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Optical goods—												
Spectacles, eyeglasses, and parts of							[1] 438	1,044	927	1,391	1,084	886
Lenses, not fitted to instruments..thousands	[1] 2,719	2,762	3,483	631	433	128	[1] 554	427	465	121	115	33
Other optical goods							1,067	1,292	1,172	1,272	896	563
Dental instruments and supplies [36]							614	1,504	1,663	1,475	1,445	1,132
Teeth..thousands	[1] 12,773	28,339	24,728	25,702	27,392	31,896	607	1,328	1,305	1,268	1,241	1,922
Dental office equipment							[1] 1,097	779	650	1,025	982	709
Sterilizers..number		[2] 3,411			3,411	2,309		[2] 238			238	258
Surgical and medical instruments							354	494	486	498	433	344
Surgical appliances, artificial limbs, crutches, trusses, etc							2,469	459	481	545	529	569
Surveying and engineering instruments							[1] 293	405	418	476	261	96
Other scientific, laboratory, and professional instruments and apparatus							2,567	3,659	3,542	4,352	4,059	2,876
C. Musical instruments							10,854	15,941	18,131	18,931	8,994	3,433
Pianos—												
Player pianos..number	9,252	8,774	6,792	3,951	908	460	2,945	2,549	2,061	1,183	279	73
Other pianos..do	5,729	3,211	2,823	3,116	1,616	912	1,400	702	620	706	311	166
Player-piano actions and parts							238	351	430	287	68	10
Other piano actions and parts							[1] 165	155	170	177	68	20
Perforated music rolls..thousands	[1] 516	222	214	140	81	22	271	105	97	62	31	9
Organs..number	1,487	1,379	1,283	1,641	870	430	175	327	502	317	210	180
Phonographs..do	62,320	173,636	230,310	282,144	107,095	29,746	2,267	5,318	7,198	7,860	2,974	616
Phonograph records..thousands	[1] 3,265	8,361	9,731	9,896	6,739	3,328	1,630	3,245	3,789	4,336	2,769	851
Band instruments..number	[1] 9,577	15,140	16,739	14,336	9,658	5,456	[1] 317	606	705	586	410	233
String instruments..do	[1] 42,368	57,838	46,126	42,494	35,183	26,201	[1] 195	305	274	273	208	144
Other musical instruments, parts, and accessories							1,385	2,278	2,286	3,144	1,666	1,132
D. Miscellaneous office supplies							7,118	9,385	9,979	10,330	8,903	5,805
Pencils and pens—												
Refillable pencils and pencil leads [37]							} 2,045	} 800	851	835	783	477
Other pencils [38]..1,000 doz		6,171	5,774	6,785	5,957	3,962		1,175	1,116	1,260	979	608
Metallic pens except gold..1,000 gross	273	363	334	353	312	323	148	189	175	184	187	177
Fountain pens..doz	37,824	117,379	138,068	151,973	136,665	77,479	575	1,614	1,846	1,812	1,589	954
Writing ink							[1] 234	233	352	216	192	131
Printer's and lithographic ink..1,000 lbs	[1] 10,119	10,986	11,869	11,306	10,043	6,523	1,169	1,420	1,528	1,466	1,365	947
Other ink..do	[1] 452	642	703	634	462	280	227	259	292	278	222	164
Paste and mucilage..do	[1] 2,679	3,286	3,308	3,620	2,746	1,740	307	340	355	358	289	169
Carbon paper..do	[1] 889	1,273	1,342	1,479	1,246	840	658	931	963	1,065	902	615
Typewriter ribbons..dozens		228,439	223,705	252,311	240,225	192,346	530	667	663	718	657	522
Paper clips and binders, penholders, inkstands, and other office supplies							1,272	1,707	1,839	2,139	1,338	1,041
E. Toys, athletic and sporting goods							3,560	4,770	4,912	5,643	4,912	3,275
Toys—												
Dolls and parts							214	197	224	228	179	125
Toy wheel goods and parts								[3] 709	782	821	499	204
Mechanical toys							129	203	193	273	255	215
Other toys, except rubber							1,710	1,485	1,517	1,537	1,247	904

[1] Average for years 1922–1925.
[2] 1930 only.
[3] Average for years 1929 and 1930.
[36] Except medicinal.
[37] "Refillable pencils" prior to 1925.
[38] "Other pencils and pencil leads" prior to 1925.
[8] Average for years 1927–1930.

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No. 505.—Exports of United States Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 9.—MISCELLANEOUS—Continued												
E. Toys, athletic and sporting goods—Continued.												
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, and tackle							[1] 294	379	383	470	414	373
Golf, tennis, foot, basket, and baseballs							[1] 162	260	229	253	386	170
Other athletic and sporting goods, except shoes, clothing, and firearms							1,022	1,200	1,073	1,481	1,379	936
Amusement-park and playground devices							[5] 301	479	512	580	553	348
F. Firearms and ammunition							5,050	5,509	5,540	6,186	3,512	2,164
Firearms and ordnance—												
Revolvers and pistols—number	[1] 46,045	54,678	74,204	59,886	27,066	14,192	633	931	1,290	1,055	467	254
Rifles—do	[1] 91,382	49,095	43,285	55,416	23,917	17,896	1,034	641	588	900	335	194
Shotguns—do		54,556	52,218	58,887	35,869	17,227		471	484	512	330	168
Machine and heavy ordnance guns and carriages—number	[1] 659	688	285	617	698	140	197	235	87	348	96	50
Ammunition—												
Shot shells—1,000 lbs	[9] 3,018	3,087	3,035	2,829	2,318		[9] 780	814	798	734	603	406
Metallic cartridges [39]—do	5,600	4,042	4,169	4,585	2,494		2,436	2,004	2,027	2,212	1,369	874
Explosive shells and projectiles	[1] 481	136	101	147	36	2	150	72	17	76	31	1
Other, including fireworks—do							288	341	249	349	280	217
G. Books, maps, pictures, and other printed matter							19,856	24,295	24,249	27,120	23,987	18,177
Books and pamphlets								12,202	11,824	13,607	12,444	5,643
Maps and charts								271	206	280	385	81
Music in books and sheets							13,561	335	361	379	231	171
Souvenir post cards								213	188	252	203	125
Lithographically printed matter, except post cards and maps								3,191	3,182	2,851	2,750	2,144
Playing cards—1,000 packs	[1] 7,492	6,096	6,525	5,790	5,188	3,938	802	683	752	706	563	388
Other printed matter							[1] 6,866	7,401	7,737	9,045	7,432	9,625
H. Clocks and watches							3,180	3,251	3,628	3,583	2,216	1,551
Clocks—												
One-day alarm clocks—thousands	[1] 664	513	607	565	267	138	[1] 823	636	687	681	365	180
Mantel and novelty clocks—do		62	67	49	35	22		241	265	202	150	103
Wall clocks—do		21	24	20	12	7		132	133	123	79	43
Other clocks and parts							1,343	353	356	352	294	308
Watches—do		653	832	723	399	130		894	1,062	896	419	185
Without jewels—do		605	771	676	293	123	1,179	460	534	468	238	98
With jewels—do		48	61	47	16	7		433	528	428	181	87
Parts of watches								618	680	714	456	210
Time-recording devices and parts								[3] 473	446	615	454	522

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I. Art works—Painting and statuary							902	1,927	1,503	2,917	2,428	1,470
J. Miscellaneous, n. e. s.							41,106	41,160	41,996	44,967	39,826	28,878
Barber and beauty parlor chairs, number		[3] 2,207			2,207	1,103		[2] 187			187	89
Composition roofing—												
Asphalt roofing, 1,000 squares		820	935	829	543	335		1,081	1,251	1,102	688	391
Asbestos roofing, do	[1] 1,028	78	67	92	66	27	1,782	501	446	600	393	110
Other roofing, do		109	96	94	84	39		219	199	184	132	59
Billiard tables and accessories							364	367	427	398	260	149
Buttons—												
Pearl or shell, 1,000 gross	[1] 500	332	455	242	217	96	177	109	136	83	56	27
Other buttons, do	[1] 1,634	1,379	1,419	1,231	1,134	911	560	331	309	321	261	187
Lamps and illuminating devices, except electric—												
Incandescent mantles, 1,000 doz	[9] 194	243	241	317	224	189	165	191	202	247	180	148
Lanterns, thousands		2,579	2,366	2,206	1,283	631	3,431	1,759	1,644	1,226	726	299
Lamps, other than electric, do				376	263	122				527	340	144
Other lighting devices, except glass								409	392	431	411	353
Matches, 1,000 lbs	[1] 1,062	1,000	1,087	1,131	1,566	825	215	125	135	138	154	103
Chemical fire extinguishers (hand), number	[1] 45,315	35,239	48,568	37,573	26,523		335	341	358	355	298	364
Fly paper, traps, and swatters							191	121	95	90	116	63
Synthetic resin sheets, plates and manufactures								[2] 174			174	191
Pyroxylin products, known as celluloid, pyralin, viscoloid, fiberloid, etc.—												
Sheets, rods, tubes, 1,000 lbs	2,909	3,255	3,147	3,945	5,330	3,858	2,998	1,974	2,264	2,190	2,399	2,154
Manufactures, do		1,151	869	1,022	635	221		1,266	1,095	1,136	839	403
Brushes—												
Toothbrushes, doz		[2] 192,891			192,891	159,064		[2] 522			522	392
Toilet brushes, do	396,214	239,374	264,016	352,658	37,937	36,344	1,043	615	702	834	103	85
Paint brushes, do		63,702	70,176	78,641	43,650	29,719		192	200	212	133	80
Other brushes, do		182,596	157,428	189,711	181,178	99,964		295	286	256	213	148
Plates and cuts, electrotype, stereotype, halftone, lithographic, or engraved, 1,000 lbs	[1] 330	391	422	387	347	320	385	458	484	472	449	377
Umbrellas and parasols, thousands	[1] 121	84	90	78	37	18	194	149	167	140	84	45
Candles, 1,000 lbs	1,821	1,067	1,032	1,066	840	654	284	240	238	256	190	135
Notions							1,989	1,965	1,913	2,175	1,523	948
Refrigerators, number	[1] 10,883	15,795	13,892	17,906	10,032	5,272	380	765	579	775	330	168
Soda-fountain equipment							[9] 209	486	538	619	570	331
Shoe findings—												
Heels and counters, except rubber, 1,000 lbs		557	665	471	590	748	1,635	148	185	139	147	135
Other								1,339	1,532	1,517	1,105	664
Trunks, number	[3] 20,967	29,562	29,655	35,317	25,877	10,752	[3] 400	552	621	661	450	166
Coin-operated scales, do		[5] 988		1,238	648	350		[5] 153		203	103	36
Coin-operated commodity-vending machines, number		[5] 8,814		8,610	9,019	6,904		[5] 398		381	414	279
Other coin-operated machines (except musical), number		[5] 6,054		5,324	6,783	7,066		[5] 386		334	437	382
Household and personal effects							12,506	14,822	9,349	18,544	18,980	15,016
All other articles							12,147	9,791	16,250	8,421	6,458	4,262

[1] Average for years 1922–1925.
[2] 1930 only.
[3] Average for years 1923–1925.
[5] Average for years 1929 and 1930.
[9] Average for years 1924 and 1925.
[39] "Cartridges loaded" prior to 1924.

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No. 506.—GENERAL IMPORTS OF MERCHANDISE BY COMMODITY GROUPS AND ARTICLES

NOTE.—**Data are for calendar years.** Figures for 1921–1925 and 1926–1930 are annual averages. For a number of items data are not shown separately for all years from 1921–1930, and for this reason many averages for two, three, and four years are shown in the table. However, averages shown for group totals always cover five years. In some cases the detail does not add to the total because of the different periods covered by the data. For 1929, 1930, and 1931 a small item, "Articles, ordinarily dutiable, imported free" is not shown separately except in group 9, but is included in the total for each group. For annual averages for 1910–1914, see Statistical Abstract 1930, Table 548

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Total imports of merchandise							3,450,103	4,033,469	4,091,444	4,399,361	3,060,908	2,090,635
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS, EDIBLE												
Total							89,271	125,084	137,856	142,169	96,755	61,076
A. Animals, edible							5,560	15,372	21,175	20,624	6,670	1,929
Cattle, 1,000 head	177	378	524	493	226	85	4,802	13,523	20,288	19,972	6,564	1,852
Sheep and goats, head	63,200	25,264	21,802	27,480	6,295	2,267	405	200	188	242	47	19
Poultry, live							[1] 351	331	380	356	57	47
Hogs, 1,000 lbs		11,614	3,620	614	19	151		1,320	319	55	2	11
B. Meat products, do	67,805	144,782	183,298	203,614	94,261	47,145	19,291	33,356	35,673	40,915	25,743	12,286
Beef, fresh, do	24,480	29,310	50,181	37,870	7,203	1,516	2,696	3,347	5,553	4,340	808	128
Veal, fresh, do		5,369	8,139	5,012	2,310	342		851	1,396	835	349	31
Pork, fresh, do	3,131	7,342	7,811	4,125	1,093	759	579	1,489	1,495	755	264	151
Mutton, fresh, do	9,540	806	826	1,664	98	50	1,339	68	74	137	9	3
Lamb, fresh, do		2,082	2,442	3,146	253	117		368	442	547	34	11
Other fresh meats, do	2,547	3,928	5,787	4,839	2,033	1,041	774	546	871	661	318	135
Poultry, dead, do	[1] 2,494	4,514	5,856	5,197	1,863	5,575	[1] 877	1,309	1,564	1,525	414	1,122
Poultry, prepared, do		509	477	553	468	602		325	289	372	306	271
Canned meats, do		51,206	55,156	89,932	52,488	18,926		6,458	6,644	11,433	7,160	2,217
Beef and veal, pickled or cured, do			8,469	9,362	2,101	1,465			1,001	1,256	243	137
Pork, ham, shoulders, bacon, do	9,858	19,764	2,540	2,079	1,979	1,979	1,396	3,534	902	802	776	602
Pork, pickled, salted and other, do			2,516	2,311	1,583	1,238			984	988	661	439
Other meats, prepared or preserved, do			15,133	14,347	2,372	544			1,832	1,823	336	74
Sausage casings—												
Sheep, lamb, and goat, do	16,752	19,952	5,934	6,584	7,830	5,335	11,980	15,061	8,741	10,810	11,447	5,326
Other casings, do			12,031	16,593	10,588	7,656			3,886	4,631	2,616	1,639
C. Animal oils and fats, edible, do		[2] 2,049	2,426	2,185	1,535	2,273		[2] 180	239	193	109	131

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D. Dairy products							28,114	31,700	34,228	30,415	22,650	15,763
Cream	1,000 gals.	7,660	3,679	3,621	2,970	1,585	79	5,511	5,874	5,898	5,194	2,620	128
Milk	do.		4,744	5,632	4,246	1,837	612		832	997	795	338	100
Milk, condensed and evaporated	1,000 lbs.	9,049	2,228	2,609	2,634	1,611	1,245	1,193	193	206	234	138	78
Dried and malted milk	do.		5,777	5,059	5,234	3,145	1,134		806	773	873	503	238
Butter	do.	15,175	5,279	4,659	2,773	2,472	1,882	5,645	1,834	1,659	1,036	802	492
Cheese	do.	51,888	76,862	81,403	76,382	68,311	61,991	15,764	22,162	24,695	22,282	18,249	14,727
E. Fish	do.	290,588	347,142	373,888	369,560	346,705	278,803	29,274	36,711	38,542	39,772	35,471	28,308
Fish, fresh or frozen—													
Salmon	do.	8,963	5,603	6,254	4,414	5,843	5,739	981	689	716	581	834	697
Fresh-water fish and eels	do.	[1] 39,340	52,594	53,349	57,102	50,576	43,911	[1] 3,346	5,095	5,302	5,691	4,625	3,581
Cod, haddock, hake, pollock, and cusk	do.	[1] 1,043	863	830	1,036	759	1,237	[1] 50	46	37	67	45	63
Halibut	do.	11,614	4,705	4,358	5,811	3,621	4,098	1,473	577	491	732	437	440
Mackerel	do.	[1] 5,740	2,019	2,169	1,623	1,296	1,826	[1] 394	125	146	97	71	90
Swordfish and sturgeon	do.		[3] 2,748			[3] 2,748	5,242		[3] 514			[3] 514	871
Smelts	do.	[4] 6,819	7,444	8,801	6,952	5,653	6,640	[4] 923	1,040	1,210	1,006	867	840
Tuna fish	do.	[5] 7,739	36,554	30,351	50,695	59,342	7,858	[5] 356	1,890	1,853	2,631	2,802	579
Sea herring	do.		36,436	54,331	36,621	28,012	16,157		269	344	260	179	144
Other fresh fish, n. e. s.	do.	59,525	10,120	11,288	9,668	6,856	2,558	3,550	1,056	1,109	942	677	206
Fish, dried, unsalted	do.	42,867	36,176	41,988	37,254	17,908	4,124	3,238	3,124	3,627	3,550	1,755	511
Fish, in oil, etc.—													
Sardines	do.	25,317	27,633	29,329	31,245	24,613	29,275	4,639	4,908	5,139	5,521	4,146	3,793
Anchovies	do.		[3] 837			[3] 837	1,873		[3] 242			[3] 242	554
Other	do.		5,763	5,131	5,119	3,688	1,954		1,330	1,350	1,312	802	389
In air-tight containers (not in oil, etc.)	do.		[3] 5,552			[3] 5,552	10,028		[3] 536			[3] 536	998
Pickled or salted—													
Salmon	do.	[1] 2,330	2,329	1,964	1,872	870	636	[1] 365	369	308	382	120	67
Cod, haddock, hake, pollock, and cusk	do.		[3] 25,370			[3] 25,370	41,690		[3] 1,689			[3] 1,689	2,262
Herring	do.	47,709	42,170	46,433	44,490	40,558	41,479	2,701	2,727	3,053	2,789	2,865	2,571
Mackerel	do.	13,792	9,019	8,161	7,991	6,171	6,757	1,129	601	570	617	383	314
Other	do.	25,317	26,382	34,834	34,210	13,695	1,765	2,723	2,319	2,775	2,812	1,191	152
Smoked or kippered	do.		[3] 2,409			[3] 2,409	4,409		[5] 217			[3] 217	356
Other prepared, or preserved fish, including pastes and sauces, n. e. s.	1,000 lbs.		[3] 964			[3] 964	528		[3] 125			[3] 125	81
Fish, filleted, skinned, boned, etc.	do.	[1] 3,305	3,452	3,267	992	3,084	3,010	[1] 700	405	368	135	383	327
Caviar and other fish, roe	do.		757	830	746	675	473		781	1,082	818	697	359
Shellfish—													
Crab meat, sauce, and paste	do.	4,937	10,696	12,775	10,937	12,475	10,261	1,956	4,553	5,042	5,112	5,056	4,004
Clams and oysters, in air-tight containers	1,000 lbs.		[3] 288			[3] 288	1,220		[3] 38			[3] 38	192
Lobsters, not canned	do.	6,770	7,581	6,538	8,629	9,831	9,984	1,363	1,861	1,721	2,231	2,135	2,171
Lobsters, canned	do.	1,738	1,603	1,606	1,490	1,345	1,703	1,035	970	1,005	937	756	820
Shrimp and other shellfish	do.	[1] 6,244	9,608	8,548	9,824	10,926	10,907	876	1,306	1,242	1,499	1,240	941
Crabs and turtles	do.			747	836	737	551			53	50	43	34

[1] Average for years 1923–1925.
[2] Average for years 1928–1930.
[3] June 18 to Dec. 31, 1930.
[4] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 00.—ANIMALS AND ANIMAL PRODUCTS EDIBLE—Continued												
F. Other edible animal products							7,034	7,831	7,999	10,242	6,098	2,641
Eggs—												
Eggs of poultry in shell, 1,000 doz	1,097	292	286	308	317	309	313	86	83	91	79	56
Whole eggs, dried, 1,000 lbs		1,269	1,835	1,642	1,229	934		674	1,017	892	604	293
Whole eggs, frozen, prepared, etc, do	18,763	7,016	11,124	9,180	2,612	7	3,726	1,167	1,750	1,585	382	1
Yolks, dried, do		5,128	4,464	6,606	6,645	3,964		2,085	1,999	3,128	2,225	834
Yolks, frozen, prepared, etc, do		3,211	3,029	4,401	1,685	763		640	600	1,044	330	77
Egg albumen, dried, do	6,107	3,199	2,371	4,011	3,152	1,992	2,429	1,677	1,229	1,819	1,183	552
Egg albumen, frozen, prepared, etc, do		1,525	650	189	833			210	100	25	67	
Meat extract, do	[5] 237	583	580	795	574	443	[5] 222	731	795	936	608	363
Gelatin, edible, do	[1] 3,111	2,522	1,896	3,107	2,443	1,950	[1] 720	561	425	723	620	465
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS INEDIBLE												
Total							234,681	337,522	382,538	396,818	254,305	166,866
A. Hides and skins, raw (except furs), 1,000 lbs	429,956	447,460	506,008	515,659	399,911	271,083	93,067	118,003	150,810	137,281	92,268	50,302
Cattle hides, do	229,808	223,274	276,176	265,579	186,931	92,626	33,593	38,803	63,694	42,599	24,270	7,823
Dry or dry salted (over 12 lbs.)— 1,000 pieces	1,174	641	1,063	536	221	126	4,261	3,279	6,238	2,780	872	340
Dry or dry salted (over 12 lbs.)— 1,000 lbs	24,885	13,928	21,620	12,649	5,243	3,192						
Wet slated (over 25 lbs)— 1,000 pieces	3,901	4,139	5,092	4,972	3,518	1,754	29,332	35,524	57,456	39,819	23,398	7,483
Wet slated (over 25 lbs)— 1,000 lbs	204,922	209,346	254,556	252,930	181,688	89,434						
India water buffalo (for rawhide)— 1,000 pieces		[3] 16			[3] 16	38		[3] 65			[3] 65	158
India water buffalo (for rawhide)— 1,000 lbs		[3] 331			[3] 331	930						
Buffalo hides, n. e. s.— 1,000 pieces	137	158	266	123	62	7	508	822	1,587	711	296	35
Buffalo hides, n. e. s.— 1,000 lbs	2,736	3,540	5,783	3,188	1,521	289						
Kip and calf skins, do	44,416	45,520	45,336	56,145	36,848	39,538	10,560	13,223	16,105	16,400	8,912	6,056
Kip skins—												
Dry and dry salted (6 to 12 lbs.)— 1,000 pieces	[1] 410	167	332	130	32	38	[1] 703	467	1,132	361	65	39
Dry and dry salted (6 to 12 lbs.)— 1,000 lbs	[1] 3,962	1,584	3,158	1,263	285	316						
Wet salted (12 to 25 lbs.)— 1,000 pieces	[1] 377	412	478	595	374	596	[1] 1,268	1,454	2,101	2,053	1,088	1,058
Wet salted (12 to 25 lbs.)— 1,000 lbs	[1] 6,337	6,593	7,556	9,762	5,915	9,464						
Calfskins—												
Dry and dry salted (less than 6 lbs.)— 1,000 pieces	2,858	2,512	2,395	2,981	1,437	1,246	3,410	3,314	3,720	3,855	1,603	851
Dry and dry salted (less than 6 lbs.)— 1,000 lbs	11,798	6,691	6,374	7,488	3,613	2,883						
Wet salted (less than 12 lbs.)— 1,000 pieces	3,017	4,079	3,769	5,020	3,751	3,443	5,568	7,989	9,152	10,131	6,156	4,108
Wet salted (less than 12 lbs.)— 1,000 lbs	24,401	30,651	28,247	37,632	27,035	26,875						
Horse, colt, and ass hides, do	11,433	13,423	13,462	13,970	15,193	8,505	1,245	1,620	2,371	1,544	1,266	511
Dry and dry salted— 1,000 pieces	301	171	300	87	46	64	654	508	1,010	266	121	117
Dry and dry salted— 1,000 lbs	4,487	2,920	4,458	1,756	1,040	1,344						

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Wet salted	1,000 pieces	173	267	265	285	326	176	592	1,112	1,361	1,278	1,145	394
	1,000 lbs	6,586	10,503	9,004	12,214	14,153	7,161						
Sheep and lamb skins	do	61,246	59,898	63,177	65,478	54,348	41,666	15,220	18,389	20,731	21,905	14,369	6,865
Wooled, dry and green	1,000 pieces	[1] 5,448	3,056	2,514	3,541	2,500	1,751	[1] 4,374	2,883	2,745	3,741	1,797	629
	1,000 lbs	[1] 16,396	11,946	9,854	13,980	10,818	7,729						
Slats, dry, no wool	1,000 pieces	[1] 20,653	8,355	5,340	6,091	5,856	5,126	[1] 14,206	6,714	4,169	5,761	4,674	2,948
	1,000 lbs	[1] 47,075	18,675	10,326	13,994	13,173	11,409						
Pickled skins	1,000 pieces	698	12,382	17,755	16,207	12,933	9,446	447	8,792	13,817	12,403	7,898	3,288
	1,000 lbs	1,798	29,277	42,997	37,495	30,357	22,528						
Goat and kid skins	do	72,760	90,669	90,804	100,109	93,524	76,199	29,829	40,382	41,740	47,500	38,099	24,116
Dry and dry salted	1,000 pieces	39,456	49,024	47,822	54,338	49,298	44,744	26,752	36,310	37,050	42,878	33,922	21,974
	1,000 lbs	60,186	74,702	73,116	83,830	75,721	64,402						
Green or pickled	1,000 pieces	3,823	5,225	5,660	5,794	5,836	4,120	2,877	4,072	4,690	4,622	4,177	2,142
	1,000 lbs	12,575	15,967	17,688	16,279	17,803	11,797						
Kangaroo and wallaby	1,000 pieces	769	751	728	740	791	788	726	654	688	655	600	394
	1,000 lbs	863	864	858	798	888	813						
Deer and elk	1,000 pieces		943	903	954	858	915		749	656	723	563	499
	1,000 lbs		2,448	2,456	2,406	2,137	2,018						
Reptile skins, raw	do		[6] 2,235		1,899	2,571	2,536		[6] 2,643		2,980	2,305	2,292
Other hides and skins	do	6,693	6,863	7,958	6,087	5,619	5,962	1,586	2,290	3,239	2,264	1,523	1,555
B. Leather								15,261	35,517	43,238	44,559	23,728	10,595
Sole leather	1,000 lbs	4,850	7,790	9,004	6,194	5,719	775	1,769	2,928	4,257	2,498	2,099	289
Leather cut into soles, blocks, etc.[8]	do						423	[1] 530	536	627	505	404	211
Belting leather and welting	do		[3] 628			[3] 628	978		[3] 314			[3] 314	467
Harness leather	do	[7] 1,069	1,492	1,682	2,317	1,267	475	[7] 426	633	853	980	478	166
Cattle grains and finished splits	1,000 sq. ft		[5] 4,018		4,348	3,689	2,711	[1] 236	965	1,907	745	660	484
Patent	do	[1] 3,131	4,711	5,815	3,948	1,567	259	770	1,710	2,474	1,263	403	62
Calf and kip—													
Whole calf and kip, upper and lining	do	[1] 11,991	49,986	53,520	65,555	41,896	10,284	2,895	12,483	13,925	16,603	9,392	2,891
Side calf and kip, upper and lining	do						15,215						1,990
Leather cut into shoe uppers, vamps, etc.	1,000 lbs		[3] 1			[3] 1	2		[3] 2			[3] 2	2
Upholstery, bag, case, garment, and ball leather	do								[3] 273			[3] 273	470
Other bovine leather									[3] 71			[3] 71	62
Sheep and lamb	1,000 sq. ft	[1] 3,962	2,351	2,814	2,061	1,196	1,102	382	459	579	421	262	235
Goat and kid	do	[1] 1,496	8,814	9,201	14,718	6,631	3,784	472	4,076	4,326	6,507	2,704	1,325
Reptilian and shark skin leather	1,000 lbs		[6] 170		276	63	931		[6] 3,012		4,347	1,677	793
Glove leather, seal leather, skivers, chamois skins, etc.								1,073	1,552	1,308	1,516	1,006	652
Rough tanned leather	1,000 lbs		11,179	12,430	13,614	5,947	337	2,427	6,247	7,961	7,811	3,073	236
Leather (other than bovine) for manufacture of footwear			[3] 13			[3] 13	19		[3] 9			[3] 9	18
Grained, bossed, etc., or fancy leather	1,000 sq. ft		[3] 1,053			[3] 1,053	648		[3] 362			[3] 362	242
All other leather								4,672	2,518	5,022	1,364	541	

[1] Average for years 1923–1925.
[3] June 18 to Dec. 31, 1930.
[5] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
[7] Average for years 1922–1925.
[8] Leather cut into shoe parts prior to June 18, 1930.

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No. 506.—General Imports of Merchandise, by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
C. Leather manufactures							12,773	27,450	25,652	41,563	31,169	22,108
Boots and shoes (all leather) 1,000 prs.	429	3,004	2,617	6,183	3,674	3,391	1,399	8,796	8,254	17,026	10,120	6,229
Slippers (all leather) do.	[1] 472	597	634	976	539	300	[1] 238	795	1,019	1,433	793	297
Other footwear do.	[1] 1,123	1,167	1,172	1,200	1,487	2,234	[1] 421	324	317	314	349	493
Gloves 1,000 prs.	8,288	12,735	11,505	17,389	14,499	12,567	8,395	12,467	11,103	16,551	15,195	12,273
Women's and children's do.	8,153	12,638	11,417	17,303	14,433	12,529	8,204	12,328	10,982	16,432	15,097	12,215
Men's do.	135	98	88	86	66	38	191	139	122	118	98	58
Bags, baskets, belts, boxes, cases, etc.								3,330	3,509	4,621	3,570	2,033
All other leather manufactures							2,583	1,737	1,449	1,619	1,140	783
D. Furs and manufactures							80,552	114,785	121,711	125,852	68,686	55,860
Furs, undressed							72,179	101,071	108,783	108,049	57,645	47,950
Caracul 1,000 pieces		[2] 196	149	273	165	216		[2] 309	249	487	190	275
Ermine do.		[2] 780	594	917	830	816		[2] 1,651	1,479	2,277	1,198	927
Fitch do.		[2] 1,197	1,343	1,199	1,050	1,168		[2] 4,231	5,260	4,883	2,549	2,368
Guanaquito do.		[2] 261	439	127	216	177		[2] 738	1,602	325	287	168
Kolinski do.		[2] 524	526	638	409	635		[2] 1,738	2,167	2,228	820	840
Marmot do.		[2] 1,748	2,362	2,243	639	887		[2] 2,962	4,378	3,754	753	598
Weasel do.		[2] 1,513	1,502	1,582	1,456	1,666		[2] 2,385	2,925	2,778	1,452	1,319
Monkey do.		[2] 202	269	272	66	11		[2] 430	634	592	65	6
Otter do.		[2] 30	37	39	14	22		[2] 352	471	437	147	136
Opossum do.		[2] 508	559	623	341	722		[2] 575	668	771	285	379
Hare [9] 1,000 lbs.	[10] 1,410	1,813	2,192	2,257	1,191	969	[10] 1,566	2,585	3,250	3,411	1,186	548
Beaver 1,000 pieces	[1] 180	100	110	70	56	77	[1] 3,497	2,538	2,983	2,022	1,217	1,103
Fox, other than silver or black do.	[1] 1,948	1,525	1,712	1,696	1,140	1,228	[1] 13,444	14,256	16,465	16,296	11,420	7,778
Coney and rabbit [9] 1,000 lbs.	[1] 8,679	19,040	16,297	17,495	16,888	17,241	[1] 16,731	20,171	20,270	19,611	10,255	7,493
Marten 1,000 pieces	[1] 304	153	146	214	70	85	[1] 4,192	2,707	3,209	4,017	1,219	958
Mink do.	[1] 528	711	682	873	491	845	[1] 2,127	3,105	3,423	3,926	1,588	1,733
Mole do.	[1] 4,676	4,315	10,284	1,823	1,152	1,917	[1] 746	528	1,306	230	107	148
Muskrat do.	[1] 2,215	1,056	805	981	614	1,067	[1] 2,543	1,573	1,077	1,269	519	851
Squirrel do.	[1] 17,115	10,021	8,066	7,013	8,332	5,574	[1] 14,667	8,483	7,942	5,134	3,543	2,208
Nutria do.		91	44	38	11	27		443	240	215	78	105
Pony do.		[2] 156	51	195	222	172		[2] 551	296	670	688	528
Skunk do.		[2] 162	190	197	100	72		[2] 334	354	484	163	90
Wolf do.		[2] 153	145	158	155	105		[2] 2,191	2,461	2,536	1,575	858
Lamb, kid, sheep, and goat skin furs do.		[2] 8,498	8,435	9,841	7,217	9,162		[2] 16,169	15,617	20,812	12,079	12,934
Other furs, undressed do.							[1] 28,741	23,913	10,058	8,883	4,261	3,598
Furs dressed on the skin, not advanced beyond dyeing 1,000 pieces	3,902						2,743	6,430	7,132	11,984	7,346	5,125
Coney and rabbit do.		[2] 2,641	2,919	3,702	1,301	958		[2] 1,240	1,242	1,846	633	327

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Silver or black fox, dressed or undressed, 1,000 pieces		[2] 2	2	1	2	3		[2] 160	196	134	150	89
Lamb and sheep, do		[2] 303	235	329	344	268		[2] 1,073	706	1,332	1,181	868
Dog and goat skins, dyed and dressed, 1,000 pieces		[2] 2,131	1,258	2,821	2,315	2,832		[2] 5,596	4,117	7,877	4,795	3,336
Other dressed furs								[2] 751	871	795	580	505
Manufactures of fur—												
Cut fur for batters' use, including fur skins carroted, 1,000 lbs	[1] 407	146	44	27	15	28	[1] 648	315	70	59	26	27
Plates and mats of dog and goat skins, 1,000 pieces	[1] 1,781	868	332	422	281	331	[1] 4,432	2,471	1,384	1,577	1,004	1,040
Fur hats—												
For men and boys, thousands	287	1,196	1,529	387	285	190	712	2,636	3,356	1,123	761	444
For women and girls, do				1,166	583	347				2,201	1,056	446
All other, 1,000 lbs							1,869	1,862	987	860	849	829
E. Animal oils, fats, and greases, inedible							5,060	10,884	10,931	12,003	11,029	10,704
Whale oil, 1,000 gals	[1] 5,483	8,020	9,118	7,271	9,955	18,626	[1] 2,970	3,689	4,202	3,321	4,054	7,683
Cod oil, do	2,432	4,577	1,569	2,091	2,051	1,794	1,322	3,221	801	1,020	918	610
Cod-liver oil, do			2,579	2,860	2,895	1,737			2,517	2,445	2,229	1,312
Other fish oil, do	[1] 765	5,218	4,550	5,761	7,373	3,153	[1] 272	1,851	1,614	2,185	2,583	440
Wool grease, 1,000 lbs	[5] 11,322	10,387	10,664	10,538	7,913	4,792	[5] 359	380	359	367	271	148
Tallow, do		[2] 10,629	14,239	17,024	624	1,672	362	1,043	1,105	1,367	39	49
Grease and oils n. e. s							1,286	701	333	1,298	934	462
F. Other inedible animals and animal products							27,970	30,874	30,199	35,535	27,397	17,280
Animals, inedible—												
Horses—												
For breeding, number	2,740	500	415	571	430	280	1,015	1,134	668	1,103	899	492
Other, do	[1] 450	2,678	2,871	3,248	2,753	1,662		618	700	746	612	342
Cattle for breeding, 1,000 head	[10] 3	10	12	12	8	10	[10] 455	1,152	1,288	1,644	963	892
Birds, n. e. s., thousands		664	695	833	659	656	[1] 636	1,097	1,214	1,397	935	717
Foxes, silver, number		1,665	976	486	316	580		336	185	88	55	45
Other animals							1,995	761	674	778	619	522
Bones, hoofs, and horns—												
Unmanufactured, 1,000 lbs	89,028	129,256	118,789	153,699	115,833	88,477	1,204	1,774	1,727	2,269	1,692	898
Manufactures							603	96	83	111	120	58
Bristles, sorted, bunched, or prepared, 1,000 lbs	4,655	5,212	4,831	6,216	4,486	4,245	7,576	6,967	6,576	8,327	5,282	3,173
Feathers—												
Crude	3,796	3,361	3,163	4,287	2,848	2,789	2,614	2,043	1,947	2,620	1,516	1,318
Advanced							1,204	219	248	184	165	217
Glue stock, hide cuttings, etc, 1,000 lbs	29,242	49,743	48,567	58,370	52,553	31,794	1,284	2,384	2,341	2,911	3,056	1,603
Gelatin, inedible, and manufactures							1,001	1,301	1,439	1,231	1,460	612
Glue and glue size, and manufactures							606	939	842	1,350	1,247	767
Casein or lactarene, 1,000 lbs	17,421	25,045	28,651	27,583	18,500	3,503	1,916	2,979	3,678	3,323	1,920	143
Ivory tusks in natural state, do	349	189	159	126	61	40	1,115	608	423	331	170	119
Shells, unmanufactured—												
Mother-of-pearl, do	5,666	7,129	6,517	8,924	6,636	4,438	1,556	2,075	1,883	2,575	2,168	1,299
All other, do	1,263	4,713	2,386	8,769	3,375	2,834	248	229	270	343	120	85

[1] Average for years 1923–1925.
[2] Average for years 1928–1930.
[5] Average for years 1924 and 1925.
[9] "Coney and rabbit" includes "hare" prior to 1925.
[10] 1925 only.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 0.—ANIMALS AND ANIMAL PRODUCTS, INEDIBLE—Continued												
F. Other inedible animals and animal products—Continued.												
Sponges and manufactures.....do....	[1] 1,431	993	1,063	965	773	616	837	1,115	1,249	1,183	907	715
Beeswax and other animal wax.....do....	3,180	4,727	4,402	5,258	4,312	3,680	751	1,471	1,510	1,546	1,061	779
Tankage.....tons of 2,240 lbs..						22,476						477
Other inedible animal products							1,700	1,576	1,254	1,475	2,429	2,007
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES												
Total							738,855	778,693	816,018	818,724	596,706	465,999
A. Grains and preparations							32,611	24,487	26,453	20,004	24,085	13,328
Corn.....1,000 bus. of 56 lbs..	1,135	1,808	565	407	1,556	618	1,062	1,452	609	447	1,000	328
Oats.....1,000 bus. of 32 lbs..	2,465	205	489	112	183	576	1,147	102	321	43	59	92
Rice—												
Uncleaned.....1,000 lbs..	12,357	10,766	5,660	11,957	2,885	5,957	614	454	287	590	111	133
Cleaned (except patna).....do....	50,052	42,402	29,442	20,496	23,229	24,713	1,823	1,837	1,170	830	841	725
Patna rice for use in canned foods.....do....		2,168	2,170	2,594	2,254	1,644		134	134	146	116	68
Flour, meal, etc.....do....	1,586	2,761	1,715	935	1,022	589	79	95	63	52	48	31
Wheat.....1,000 bus. of 60 lbs..	18,973	15,858	18,848	14,576	19,969	15,691	23,204	18,574	22,040	16,249	19,548	10,035
Wheat flour.....1,000 lbs..	78,573	970	1,150	381	359	59	2,688	37	37	13	16	2
Biscuits, wafers, cakes, etc							284	643	726	623	687	411
Macaroni, vermicelli, noodles, etc..1,000 lbs..	3,785	3,561	3,434	2,856	2,777	2,459	280	319	371	263	232	184
Bread, yeast-leavened.....do....	[5] 2,138	2,495	2,755	2,468	2,677	2,762	[5] 271	344	378	378	389	353
All other							1,321	496	319	369	1,037	966
B. Fodders and feeds							7,990	14,796	15,707	17,452	16,995	6,462
Hay.....tons of 2,000 lbs..	133,801	133,347	62,384	30,787	104,304	67,440	1,503	1,253	564	319	897	567
Oil cake and oil-cake meal—												
Bean (soya and other).....1,000 lbs..		95,822	96,810	171,855	113,626	39,620		1,901	1,920	3,618	2,068	439
Coconut or copra.....do....		34,570	28,433	30,292	37,143	15,084		459	448	506	425	122
Cottonseed.....do....	112,848	[6] 32,923		43,770	22,075	1,533	1,877	[6] 441		579	304	9
Linseed.....do....		[6] 60,486		69,285	51,687	18,808		[6] 1,370		1,669	1,070	205
All other.....do....		60,679	125,543	18,970	23,244	4,932		1,084	2,327	342	320	48
Bran, shorts, and other by-product feeds of wheat.....1,000 tons of 2,240 lbs..	[1] 204	261	273	273	386	243	[1] 4,689	6,604	8,019	7,399	8,070	3,213
Of direct importation.....do....		145	139	144	252	127		3,405	3,809	3,746	4,800	1,707
Withdrawn from bonded mills.....do....		116	134	129	134	116		3,199	4,210	3,652	3,269	1,506
Beet pulp, dried.....tons of 2,240 lbs..	[1] 31,184	37,154	15,714	32,097	73,941	40,690	[1] 964	1,076	488	1,111	1,839	631
Other fodders and feeds							1,218	1,694	1,941	1,910	2,001	1,228

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C. Vegetables and preparations							**26,272**	**40,677**	**40,409**	**48,113**	**36,809**	**22,977**
Beans—												
Green or in brine	1,000 lbs.	[3] 1,845			[3] 1,845	5,810		[3] 68			[3] 68	194
Dried	do.	74,793	105,000	138,016	120,098	115,214	58,028	3,005	4,767	6,224	6,790	5,347	1,702
Peas—												
Green	1,000 lbs.		[3] 1,864			[3] 1,864	21,074		[3] 98			[3] 98	1,090
Dried	do.	30,125	16,009	12,423	22,528	12,832	6,436	1,244	639	467	855	481	225
Split	do.		3,928	1,243	6,710	9,572	199		149	53	297	303	4
Lentils	do.	[5] 8,064	8,908	7,043	11,697	8,458	7,932	[5] 499	524	443	965	411	256
Chick peas or garbanzos	do.	[5] 40,640	51,545	56,706	52,539	50,424	11,717	[5] 2,255	2,846	3,353	3,263	2,561	505
Mushrooms [11]	do.	5,491	6,941	7,831	9,072	4,207	1,065	1,745	1,985	1,958	2,504	1,540	537
Potatoes, white or Irish	do.	88,913	288,551	222,611	256,551	303,589	274,013	1,650	5,217	3,141	4,305	5,063	3,126
Garlic	do.	6,820	4,491	6,179	4,502	4,696	5,657	341	247	287	266	284	210
Turnips	do.	[1] 140,654	123,193	150,426	138,173	118,733	92,838	[1] 636	776	836	901	879	482
Tomatoes, natural state	do.	[5] 64,538	119,337	120,002	119,205	144,443	103,556	[5] 2,162	3,860	3,836	3,828	4,432	3,253
Onions	do.	104,149	89,177	125,978	68,593	27,595	7,684	2,179	1,800	2,674	1,242	485	130
Other vegetables, fresh, n. e. s.	do.							2,810	3,410	3,097	3,558	3,724	1,125
Farinaceous substances—													
Arrowroot, cassava, sago, and tapioca	do.	92,996	139,624	176,469	181,441	114,436	151,545	3,492	3,740	3,915	4,711	3,370	3,244
Vegetables canned—													
Peas	do.	[1] 1,689	1,333	1,189	1,687	728	397	[1] 188	140	139	131	79	38
Mushrooms	do.		[3] 1,340			[3] 1,340	2,689		[3] 365			[3] 365	741
Tomatoes	do.	[1] 56,926	101,580	92,732	174,787	61,846	79,144	[1] 2,817	5,266	5,198	9,005	2,738	2,695
Other	do.	[1] 6,721	8,253	8,562	8,716	3,918	691	[1] 635	823	861	903	377	44
Vegetables, prepared or preserved—													
Pickles	do.	[1] 11,078	2,549	865	2,081	6,994		1,329	155	72	100	283	
Sauces	do.		12,479	12,383	13,488	12,670	11,234		896	930	974	793	574
Tomato paste	do.	[5] 15,154	13,719	9,817	13,857	12,488	13,611	[5] 1,382	1,374	1,054	1,612	1,079	1,067
Pimientos	do.	[5] 2,364	4,391	4,629	3,139	3,787	3,115	[5] 272	473	510	316	309	226
Beancake, miso, and similar products	do.	[5] 1,209	949	923	906	847	761	[5] 84	74	71	70	59	42
Other	do.		8,841	8,115	6,965	9,582	9,960	1,850	603	497	445	670	685
Other edible substances								1,400	808	793	1,074	1,013	783
D. Fruits and nuts							**75,499**	**84,868**	**89,667**	**86,898**	**75,496**	**60,008**
Fruits							**46,031**	**56,189**	**58,452**	**58,803**	**55,143**	**42,136**
Plantains								[3] 145			[3] 145	159
Bananas	1,000 bunches	47,057	61,887	64,308	65,134	62,731	55,854	22,007	34,435	35,381	36,048	34,794	29,427
Grapefruit	1,000 lbs.	[1] 14,810	9,105	7,615	7,164	12,043	8,957	530	243	199	152	302	208
Lemons	do.	[7] 100,041	66,322	69,749	46,929	78,146	20,059	2,006	1,854	2,191	1,664	2,080	560
Limes [12]	do.	[3] 5,264	4,979	5,174	4,582	5,510	5,718	189	138	132	113	195	212
Olives—													
In brine	1,000 gals.	[1] 6,266	6,986	7,813	[3] 3,835	6,255	3,673	3,888	4,719	5,311	[6] 2,168	2,378	1,432
Pitted or stuffed	do.				[3] 2,476	3,536	2,260				[6] 2,413	2,431	1,327
Pineapples, natural state								2,487	2,131	1,852	2,072	2,475	1,958
Pineapples, prepared or preserved	1,000 lbs.	[5] 3,538	3,879	2,677	4,101	7,386	7,531	[5] 299	360	164	309	678	574
Apples	1,000 bus. of 60 lbs.	[1] 105	151	112	268	157	36	[1] 211	284	207	481	310	54
Berries, natural or in brine	1,000 lbs.	[1] 4,944	6,878	6,748	9,313	7,649	3,455	[1] 430	582	597	852	568	238
Cherries, natural, sulphured or in brine	1,000 lbs.	[5] 4,806	12,378	13,333	23,910	7,161	7,099	[5] 415	1,670	1,977	3,434	892	707
Cherries, dried, prepared, preserved	do.	[5] 7,925	5,009	618	721	1,158	496	[5] 736	584	143	157	129	44

[1] Average for years 1923–1925. [3] June 18 to Dec. 31, 1930. [5] Average for years 1924 and 1925. [6] Average for years 1929 and 1930.
[7] Average for years 1922–1925. [11] Mushrooms and truffles prior to 1924. [12] Limes and oranges prior to 1926.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 1.—VEGETABLE FOOD PRODUCTS, ETC.—Con.												
D. Fruits and nuts—Continued.												
Fruits—Continued.												
Grapes 1,000 cu. ft.	637	139	138	142	222	232	1,091	438	318	301	944	500
Currants 1,000 lbs.	26,021	10,890	10,667	9,802	8,716	6,426	2,046	772	960	715	507	393
Dates do	57,237	48,514	58,841	54,135	41,906	44,039	2,712	2,335	2,869	2,535	1,886	1,706
Figs do	38,978	30,438	38,738	23,015	15,755	9,088	2,619	2,173	2,854	1,833	1,194	657
Raisins and other dried grapes do	11,887	2,688	2,390	1,565	1,834	1,903	1,270	302	312	190	181	186
Citron or citron peel do	[5] 3,476	4,318	4,447	4,327	4,347	3,169	[5] 720	584	472	608	551	235
Ginger root, prepared or preserved do	[5] 792	1,080	883	1,027	1,240	965	[5] 123	132	100	120	121	66
Jellies, jams, marmalades, and fruit butter 1,000 lbs.	[5] 2,881	3,650	3,726	3,454	3,487	2,949	[5] 458	500	492	449	429	347
Other fruits, natural, prepared, or preserved 1,000 lbs.		36,973	35,593	44,686	43,109	31,161	3,699	1,925	1,922	2,190	1,952	1,145
Nuts							29,468	28,680	31,215	28,095	20,353	17,872
Chestnuts, including marrons 1,000 lbs.	24,435	18,704	20,283	16,933	18,673	19,511	1,034	940	1,055	849	887	939
Coconuts, in the shell thousands	69,091	65,289	65,360	80,670	62,262	59,505	1,802	1,544	1,568	1,877	1,258	1,013
Almonds—												
Shelled 1,000 lbs.	21,770	17,537	16,352	18,863	14,693	13,147	6,167	6,090	5,869	6,437	3,967	2,883
Not shelled do	4,030	1,751	1,371	5,877	228	11	437	240	174	857	17	2
Brazil and cream—												
Shelled do	38,751	29,688	24,704	3,405	2,767	6,851	2,208	2,815	3,259	1,124	790	1,222
Not shelled do				32,947	13,718	27,705				1,980	1,263	1,177
Coconut meat, desiccated or prepared—												
Product of the Philippine Islands do	[7] 12,496	39,604	46,696	43,123	45,343	37,133	[7] 1,212	3,280	4,005	3,395	3,277	1,936
Other do	32,140	14,571	13,766	6,487	5,234	4,163	2,491	1,170	1,116	466	305	179
Filberts—												
Shelled do	5,419	5,639	5,227	5,544	4,659	3,768	972	1,155	907	1,259	1,064	662
Not shelled do	12,916	9,108	13,266	6,447	5,348	6,751	1,186	1,056	1,373	719	513	565
Walnuts—												
Shelled do	18,148	18,604	15,800	17,459	17,609	16,836	5,410	5,072	4,210	4,944	4,066	3,686
Not shelled do	27,331	12,839	15,596	7,181	3,630	5,001	3,284	1,557	1,923	745	390	417
Peanuts—												
Product of the Philippine Islands do		[13] 865			865	921		[13] 54			54	51
Shelled do	44,233	33,629	55,862	26,631	4,258	5,308	2,072	1,627	3,065	1,272	162	140
Not shelled do	5,397	6,009	13,739	4,609	3,218	4,277	245	252	591	194	107	115
Pecans do	[5] 1,858	530	549	392	408	187	[5] 172	65	56	75	37	57
Pignolia do	[5] 647	579	596	578	401	511	[5] 148	189	206	170	95	95
Pistache do	[5] 1,146	1,285	1,641	1,491	1,007	1,495	[5] 480	489	571	547	397	427
Cashew do		[3] 4,079			[3] 4,079	10,525		[3] 856			[3] 856	2,095
Other edible nuts, n. e. s. do		4,275	5,320	5,298	4,094	1,188	869	955	1,267	1,186	846	210
E. Vegetable oils and fats, edible do	79,910	94,569	87,714	100,074	120,131	134,922	13,901	15,565	15,478	16,752	12,829	11,216
Cocoa butter do	2,585	116	21	45	239	10	603	26	7	11	29	3

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Olive oil, edible ... do	70,941	85,247	82,944	96,798	92,964	70,394	12,684	14,812	14,951	16,408	11,221	8,253
In packages weighing less than 40 pounds ... 1,000 lbs.	[5] 48,887	51,318	48,598	60,473	53,734	35,432	[5] 8,122	9,024	8,845	10,371	6,863	4,353
Other ... do	[5] 34,420	33,929	34,346	36,325	39,230	34,962	[5] 5,998	5,787	6,106	6,036	4,358	3,900
Peanut oil ... do	6,384	6,935	4,749	3,231	15,565	14,886	614	602	520	333	949	645
Other edible oils ... do		[3] 11,362			[3] 11,362	49,632		[3] 630			[3] 630	2,315
F. Cocoa, coffee, and tea							**263,109**	**355,795**	**386,082**	**379,534**	**264,281**	**217,514**
Cocoa or cacao beans ... 1,000 lbs.	364,848	422,263	379,227	507,580	373,233	415,977	31,329	45,497	47,205	49,495	31,219	23,193
Cocoa, prepared ... do	3,059	3,987	4,953	4,208	3,441	3,524	690	565	625	582	494	456
Chocolate, prepared ... do		3,089	4,454	3,784	1,646	759		982	1,386	1,196	501	204
Coffee ... do	1,340,272	1,492,950	1,456,517	1,482,258	1,599,317	1,741,536	205,792	281,707	309,644	302,397	209,472	174,904
Extracts of, and substitutes for coffee ... do	[14] 661						[14] 23					
Tea ... do	94,491	89,844	89,824	89,373	84,926	86,733	25,284	27,045	27,222	25,866	22,595	18,757
G. Spices ... do	**94,849**	**90,113**	**93,770**	**88,102**	**82,648**	**86,163**	**13,742**	**17,577**	**20,078**	**18,314**	**14,247**	**10,599**
Paprika, unground ... do	[10] 4,143	5,125	4,940	5,545	5,355	4,401	[10] 671	957	916	1,090	766	573
Celery seed ... do	[5] 738	856	656	976	783	970	[5] 194	138	104	155	116	140
Cinnamon and chips of, unground ... do	[5] 1,485	922	894	585	881	770	[5] 349	349	408	214	148	77
Cummin seed ... do	[5] 1,560	820	1,036	991	281		[5] 221	74	99	99	34	
Caraway seed ... do	[5] 5,090	4,753	4,699	4,835	5,644	5,805	[5] 482	351	359	390	379	302
Cardamom seed ... do	[5] 150	203	188	196	222	244	[5] 182	198	187	202	181	137
Capsicum or red or cayenne and chili pepper, unground ... 1,000 lbs.	4,085	2,274	3,264	3,173	1,657	1,160	495	315	501	409	158	86
Cassia and cassia vera ... do	8,334	8,720	7,353	7,946	8,507	7,616	509	642	559	574	569	451
Cloves, unground ... do	5,994	4,862	5,162	3,154	3,798	3,942	1,221	923	903	758	748	684
Ginger root, unground, not prepared ... do	5,015	3,878	3,930	3,928	3,464	5,059	585	335	360	410	313	282
Mustard—												
Seed, unground ... do	12,705	16,922	16,048	17,656	11,828	10,935	619	930	888	948	576	445
Ground or prepared ... do	1,501	1,725	1,979	1,718	1,604	1,447	838	967	1,117	959	915	767
Nutmegs, unground ... do	4,021	4,122	4,241	4,181	3,914	4,550	753	873	851	777	543	422
Mace, unground ... do	[5] 691	734	657	751	683	624	[5] 411	452	442	473	340	188
Pepper, unground—												
Black ... do	33,316	22,894	24,428	21,804	25,600	28,459	2,898	5,540	7,353	6,194	4,743	3,002
White ... do		4,117	4,186	3,599	4,961	5,118		1,517	1,887	1,614	1,337	798
Pimento (allspice), unground ... do	[5] 3,298	2,300	2,435	1,963	2,140	2,908	[5] 180	351	392	424	284	158
Tonka beans ... do		[6] 328		562	94	650		[6] 284		496	72	533
Vanilla beans ... do	983	1,245	1,449	1,400	1,232	1,505	3,331	2,147	2,290	1,872	1,811	1,342
Other spices	12,861	3,508	6,225	3,139			1,552	404	462	257	212	212
H. Sugar and related products							**303,517**	**223,199**	**220,313**	**229,740**	**150,537**	**122,613**
Sugar cane, natural ... 1,000 tons of 2,000 lbs.		[2] 240	229	255	237	10		[2] 840	801	893	827	22
Beet sugar ... 1,000 lbs.	831	354	612		908	4,860	30	12	22		29	154
Cane sugar ... do	8,117,916	8,470,917	7,736,997	9,776,778	6,989,319	6,347,659	295,361	207,306	207,026	209,277	129,537	112,626
Product of Philippine Islands and Virgin Islands ... 1,000 lbs.	614,419	1,209,073	1,172,056	1,428,381	1,599,053	1,638,938	30,077	45,597	47,786	49,982	51,792	50,021
Other ... do	7,503,497	7,261,844	6,564,940	8,348,397	5,390,266	4,708,721	265,284	161,709	159,240	159,296	77,745	62,605
Molasses ... 1,000 galls.	159,362	267,741	265,802	312,138	246,134	184,080	7,138	12,996	10,237	16,024	17,632	8,345
Sugar candy and confectionery, n.e.s. ... 1,000 lbs.	1,560	3,869	3,757	4,022	5,892	5,363	462	951	976	1,012	1,112	951
Maple sugar and maple sirup ... do	3,247	7,853	7,320	13,285	7,355	2,698	466	1,396	1,225	2,509	1,354	498

[2] Average for years 1928–1930.
[3] June 18 to Dec. 31, 1930.
[5] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
[7] Average for years 1922–1925.
[10] 1925 only.
[13] 1930 only.
[14] Average for years 1921–1923.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 1.—VEGETABLE FOOD PRODUCTS AND BEVERAGES—Continued												
H. Sugar and related products—Continued												
Honey, 1,000 lbs.	911	214	106	108	205	62	63	31	25	24	27	11
Dextrose, lactose and levulose, do.		[3] 214			[3] 214	108		[3] 18			[3] 18	6
I. Beverages							2,215	1,717	1,880	1,878	1,410	1,265
Lemon, lime, and sour orange juice, not more than 2 per cent alcohol, 1,000 gals.	[1] 445	316	278	189	132		[1] 419	296	269	169	102	
Distilled liquors, 1,000 pf. gals.	142	69	79	81	43	33	591	316	345	403	192	139
Wine, 1,000 gals.	377	39	51	21	45	21	726	[5] 93	112	49	92	55
Ginger ale or beer, not alcoholic, do.	[5] 69	106	255	88	39	22	93	112	242	104	44	26
Mineral water, do.	674	912	823	1,045	942	974	278	452	412	525	497	494
Other beverages and fruit juices							331	449	450	627	483	551
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, EXCEPT FIBERS AND WOOD												
Total							441,405	575,115	518,529	553,660	364,922	226,763
A. Rubber and manufactures							197,785	301,932	253,020	247,420	144,298	76,379
Rubber, crude, and milk of, 1,000 lbs.	681,100	1,042,301	978,107	1,262,939	1,089,830	1,124,003	192,922	294,428	244,855	240,966	140,642	73,803
Jelutong or pontianak, do.	9,659	16,446	16,917	18,376	13,232	12,941	898	2,396	2,540	2,458	1,403	1,019
Balata, do.	1,481	1,298	1,638	1,631	1,124	2,705	820	445	431	567	423	412
Gutta-percha, do.	2,566	2,255	3,578	1,001	113	275	417	471	777	167	20	36
Guayule, do.	[4] 3,879	6,618	6,892	2,857	2,455		[4] 789	1,577	1,756	545	347	
Siak and scrap, and reclaimed, do.	12,745	20,951	20,400	20,183	10,744	9,514	612	714	649	397	135	119
Rubber tires, number		8,286	4,469	5,540	8,468	38,312		98	70	100	85	88
Other manufactures of rubber							1,643	1,803	1,943	2,219	1,243	902
B. Gums, resins, and balsams, n. e. s.							30,942	31,167	32,164	35,638	21,451	13,131
Varnish gums and resins—												
Damar, 1,000 lbs.	20,864	15,369	15,851	19,131	11,217	11,734	2,846	1,969	2,019	2,403	1,017	704
Kauri, do.		4,485	5,119	4,870	2,890	1,641		667	701	688	406	206
Lac, crude, seed, button, and stick, do.		[6] 8,333		7,976	8,689	7,191		[6] 2,152		2,579	1,730	934
Shellac, do.	27,183	26,554	24,056	33,335	18,982	11,962	14,958	9,820	10,210	12,789	5,190	1,953
All other, do.	[1] 33,884	40,856	44,955	37,976	20,773	15,303	[1] 4,611	4,817	6,290	3,013	1,415	778
Tar, pitch, and turpentine							[1] 200	341	291	335	213	57
Camphor—												
Natural, crude, 1,000 lbs.	2,248	2,667	4,365	4,204	1,058	2,004	1,341	1,123	1,649	1,580	419	714
Natural, refined, do.	2,691	1,258	1,176	1,431	1,032	1,152	1,758	706	593	793	557	546
Synthetic, do.		2,901	2,265	3,957	2,405	1,798		1,171	809	1,376	851	588
Chicle, do.	8,913	12,833	12,435	13,223	13,957	8,928	4,455	6,460	6,296	6,621	7,021	4,195

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Balsam, crude	do	395	389	401	407	398	318	196	200	189	228	199	120
Arabic or Senegal	do	8,034	8,657	9,537	8,471	6,954	7,264	842	870	770	913	973	536
Tragacanth	do	[1] 1,000	1,533	1,708	2,107	1,003	1,673	[1] 423	754	882	947	443	674
Kadaya (karaya) and talka	do		[6] 3,925		4,064	3,786	4,582		[6] 445		556	334	397
Other gums and resins, n. e. s								1,406	1,230	1,464	925	682	729
C. Drugs, herbs, leaves, roots, etc								**6,527**	**9,474**	**10,858**	**10,581**	**7,678**	**5,925**
Cinchona bark or other from which quinine may be extracted	1,000 lbs	2,333	2,257	1,544	1,960	1,939	1,581	729	631	414	552	585	424
Pyrethrum or insecticide flowers	do	[1] 4,451	10,017	13,689	9,013	8,536	4,521	[1] 1,413	1,905	3,692	2,061	1,333	522
Licorice root	do	63,499	75,450	69,402	88,267	57,372	59,283	2,167	2,006	1,872	2,260	1,350	1,424
Licorice extract	do	[1] 1,537	1,050	1,109	1,166	1,082	1,312	[1] 266	193	215	204	147	154
Opium, crude, 8.5 per cent or more morphia	1,000 lbs	105	136	103	168	122	130	502	880	648	1,071	686	394
Senna	do	[1] 3,144	2,887	2,939	2,899	2,343	1,266	[1] 272	195	195	194	166	70
All other	do	[7] 19,148	24,419	25,655	27,281	23,447	22,625	[7] 2,450	3,665	3,821	4,240	3,411	2,937
D. Oilseeds								**51,204**	**65,999**	**60,749**	**79,335**	**54,845**	**32,666**
Cottonseed	1,000 lbs	[1] 75,909	14,287	1,044	168	339		[1] 1,050	189	15	2	5	
Castor beans	do	79,797	128,553	140,499	175,342	103,061	103,215	2,998	4,392	4,878	6,226	3,163	2,359
Copra	do	289,278	515,371	501,990	570,931	595,339	457,947	12,330	22,583	22,778	24,195	21,787	11,067
Flaxseed	1,000 bus. of 56 lbs	16,934	19,771	17,579	24,243	12,662	14,480	34,045	36,794	31,245	46,549	26,732	14,129
Poppy seed	1,000 lbs	[1] 5,183	5,973	6,240	6,432	6,084	7,196	[1] 489	487	477	437	413	411
Perilla and sesame seed	do		17,967	9,996	18,340	55,666	139,608		641	471	777	1,643	3,606
Other oil seeds	do	26,805	25,430	23,581	32,168	36,301	50,443	908	914	884	1,150	1,103	1,094
E. Vegetable oils								**51,029**	**72,963**	**69,139**	**91,486**	**66,216**	**40,413**
Expressed oils and fats								**45,752**	**66,375**	**62,440**	**83,910**	**60,573**	**36,760**
Tung oil	1,000 lbs	75,354	105,575	109,222	119,678	126,323	79,311	9,247	12,367	13,419	14,972	12,487	4,426
Coconut oil—													
Product of Philippine Islands	do	205,191	311,798	290,637	411,936	317,919	325,175	15,850	23,500	28,061	29,552	19,901	15,272
All other	do	6,181						516					
Palm oil	do	90,025	201,839	169,228	261,816	287,493	258,145	6,515	13,209	11,067	17,500	16,327	10,791
Inedible oils for mechanical or manufacturing purposes—													
Olive oil, sulphured or foots	do	34,009	46,182	39,547	45,874	62,783	36,924	2,857	3,285	2,896	3,128	3,400	1,652
Other inedible olive oil	do		8,583	8,724	10,332	7,113	12,046		1,118	1,175	1,339	661	1,003
Palm-kernel oil	do	[4] 19,918	54,184	53,812	69,909	29,104	12,028	[4] 1,776	4,415	4,369	5,301	1,771	637
Rapeseed (colza oil)	1,000 gals		[3] 478			[5] 478	948		[3] 223			[3] 223	354
Sesame oil	do		9,854	6,239	21,588	10,876			941	665	1,915	878	
Vegetable tallow	do	[1] 6,726	6,692	5,341	11,530	7,122		[1] 487	460	358	812	428	
Vegetable wax	do	7,704	5,899	4,012	4,618	2,483	2,648	1,266	1,332	720	724	339	230
Rape seed (colza) oil, n. e. s	1,000 gals	1,708	2,342	2,250	2,507	1,636	466	1,242	1,515	1,504	1,588	883	225
Linseed oil	1,000 lbs	54,836	5,649	173	9,961	2,125	235	4,326	414	14	739	205	11
Soybean oil	do	20,975	17,316	13,116	19,489	8,348	4,916	1,305	1,109	824	1,217	463	173
Carnauba wax	do		[2] 6,579	5,471	6,849	7,416	7,447		[3] 1,496	1,516	1,537	1,436	1,070
Perilla oil	do		[3] 5,474	2,011	5,574	8,838	13,285		[2] 578	214	638	884	729
Other expressed oils	do	[1] 16,197	15,869	7,848	38,915	3,533	2,669	1,267	1,420	637	2,948	286	187

[1] Average for years 1923–1925.
[2] Average for years 1928–1930.
[3] June 18 to Dec. 31, 1930.
[4] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
[7] Average for years 1922–1925.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 2.—VEGETABLE PRODUCTS, INEDIBLE, ETC.—Continued												
E. Vegetable oils—Continued.												
Essential and distilled oils							5,278	6,588	6,699	7,576	5,643	3,653
Cassia and cinnamon 1,000 lbs.		349	319	354	372	306		438	383	470	373	218
Geranium do.	[5] 156	172	173	90	189	141	[5] 746	499	528	381	593	420
Otto of roses 1,000 oz.	[5] 52	32	35	49	18	20	[5] 282	328	354	411	216	209
Bergamot 1,000 lbs.	[1] 99	114	100	113	176	81	[1] 303	495	506	481	440	136
Citronella and lemon grass do.	[1] 1,108	1,326	1,408	1,341	1,097	1,026	[1] 804	618	569	622	542	386
Lavender and spike lavender do.	[1] 2,217	315	296	381	376	280	[1] 604	754	708	906	722	500
Lemon do.	530	471	477	345	624	347	382	884	1,037	1,096	588	216
Orange do.	[1] 218	198	196	216	166	132	[1] 478	585	709	854	362	230
Sandalwood do.	[5] 39	14	12	29	19	10	[5] 183	58	41	140	80	49
All other essential and distilled oils do.	[5] 3,170	3,618	3,860	4,239	3,065	2,920	3,098	1,928	1,865	2,214	1,726	1,289
F. Dyeing and tanning materials, n. e. s.							8,142	8,552	9,245	8,109	7,414	5,343
Logwood tons.	26,797	28,532	33,113	28,155	24,253	21,863	514	501	611	431	375	384
Myrobalans fruit do.	[1] 16,012	17,234	16,179	16,504	12,335	11,326	[1] 415	558	558	473	293	232
Quebracho wood do.	26,439	56,742	75,995	70,608	44,114	55,396	368	897	1,228	1,037	640	587
Sumac do.	4,935	3,975	3,905	3,579	3,946	2,960	347	242	194	213	231	117
Valonia 1,000 lbs.	[1] 17,622	19,231	11,807	18,402	36,096	17,158	[1] 307	331	317	305	454	282
Gambier or terra japonica do.	6,184	3,942	3,862	5,277	2,615	2,258	433	275	235	338	162	154
Wattle bark do.		[6] 11,797		13,809	9,784	5,183		[6] 222		271	172	70
Other crude do.	[1] 68,267	54,659	67,375	30,919	31,795	25,850	1,208	1,169	1,495	762	731	528
Extracts for dyeing, coloring, etc. do.	3,153	1,579	1,441	1,799	1,906	1,578	255	143	121	129	103	125
Extracts for tanning—												
Quebracho do.	117,246	96,192	97,040	82,377	87,377	90,863	4,335	4,123	4,320	3,783	3,838	2,503
All other do.	6,905	6,772	4,043	11,644	13,453	13,332	249	225	165	367	415	361
G. Seeds, except oil seeds do.							11,528	9,207	9,112	8,972	6,778	4,472
Field seeds—												
Alfalfa do.	[1] 7,184	2,064	635	999	368	179	[1] 966	366	103	141	51	26
Clover do.	33,994	23,712	23,606	22,108	11,086	4,640	4,618	3,505	3,581	3,129	1,154	579
Red do.	12,089	8,098	6,565	6,438	2,046	1,947	1,996	1,428	1,266	937	194	224
Alsike do.	[1] 9,532	5,816	6,364	6,804	4,198	94	[1] 1,319	1,148	1,251	1,280	543	11
Crimson do.	[1] 6,067	3,036	3,046	3,296	3,516	1,890	[1] 403	240	286	306	189	69
Other do.	12,546	6,761	7,631	5,570	1,326	709	1,589	688	778	606	228	170
Vetch do.	[1] 9,066	3,672	4,276	3,265	2,424	3,179	[1] 945	220	247	185	94	105
Grass seeds do.	10,447	7,931	9,691	7,729	5,903	5,884	1,070	1,101	1,305	1,219	932	745
Sugar-beet seeds do.	10,510	13,433	13,023	15,503	14,471	13,962	1,206	1,403	1,302	1,548	1,615	1,309
Seeds for the Department of Agriculture							1,453	158	4	393	392	
Garden and flower seeds—												
Cabbage 1,000 lbs.	[1] 416	265	243	137	351	244	[1] 114	148	123	93	204	123
Canary do.	[1] 11,749	15,848	16,763	17,608	15,929	20,638	[1] 551	568	501	718	687	541
Turnip do.	[1] 1,442	1,504	1,766	759	1,380	1,262	[1] 176	169	185	93	167	138

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Onion	do		[6] 199		193	205	185		[6] 285		260	309	143
All other	do	[1] 5,263	6,084	7,026	6,210	5,899	2,676	1,529	1,456	1,761	1,195	1,174	868
H. Nursery and greenhouse stock								**7,233**	**7,430**	**7,756**	**7,638**	**6,855**	**4,000**
Bulbs, roots, and corms—													
Hyacinth	thousands	261,063	22,342	23,087	20,312	21,883	19,933	6,739	1,516	1,668	1,445	1,129	704
Lily, tulip, and narcissus	do		217,188	241,798	207,982	209,414	153,335		5,196	5,328	5,543	5,030	2,850
Crocus and other	do		20,419	26,561	15,449	17,584	15,109		259	289	228	259	169
Trees, plants, cuttings, and seedlings—													
Fruit stock	do		11,715	12,656	9,176	11,250	4,005	494	78	86	53	65	21
Rose stocks and plants	do		12,484	10,789	12,651	12,822	10,024		186	157	193	194	119
All other	do		[15] 585	562	271	277	357		194	227	173	176	137
I. Tobacco and manufactures								**73,230**	**64,544**	**63,056**	**60,617**	**46,572**	**41,793**
Unmanufactured	1,000 lbs	66,942	77,013	74,797	68,066	71,544	74,452	64,831	57,018	55,160	53,821	40,922	37,088
Product of Philippine Islands	do	1,189	2,978	3,727	3,963	4,680	4,144	177	388	521	443	528	554
Leaf, for cigar wrappers	do	6,342	6,277	6,631	8,563	3,858	4,745	14,385	12,548	13,630	15,750	6,177	6,970
Cigar leaf (filler)—													
Unstemmed	do	58,078	7,118	7,235	6,706	5,487	4,976	49,794	5,710	5,765	5,010	4,049	2,930
Stemmed	do		14,896	14,647	15,551	14,228	11,260		13,741	13,996	13,883	11,755	8,275
Cigarette leaf, unstemmed	do		43,438	40,335	31,004	39,872	43,502		24,027	20,614	18,072	17,725	17,576
Scrap	do	1,334	2,088	2,222	2,279	2,326	2,853	475	596	634	663	650	697
Stems, not cut, or ground	do		[3] 1,093			[3] 1,093	2,972		[3] 38			[3] 38	86
Manufactures of tobacco—													
Cigars and cheroots—													
Product of Philippine Islands	do	2,924	2,443	2,574	2,073	1,901	2,056	4,473	3,943	4,190	3,341	2,997	3,105
Other cigars and cheroots	do	435	378	390	381	280	217	3,542	3,176	3,350	3,111	2,368	1,365
Cigarettes, product of Philippine Islands	1,000 lbs	3	25	25	17	6	10	6	35	39	28	12	15
All other manufactures, n. s. p. f.	do	297	297	274	211	221	176	378	372	316	316	273	220
J. Miscellaneous vegetable products								**3,785**	**3,844**	**3,430**	**3,856**	**2,812**	**2,639**
Agar-agar	1,000 lbs		430	374	561	399	501		308	274	435	306	325
Hops	do	969	713	581	765	1,099	1,077	357	243	189	174	160	159
Starch	do	10,664	23,988	20,254	31,193	15,053	19,524	405	791	790	857	325	385
Vegetable ivory, or tagua nuts	do	31,976	23,410	23,325	26,633	12,578	17,948	1,200	728	663	649	254	382
Moss, seaweed, etc., crude	do							500	386	424	404	335	226
Peat moss	tons of 2,240 lbs		[3] 30,290			[3] 30,290	57,079		[3] 383			[3] 383	683
All other								1,322	1,312	1,090	1,337	1,049	479
GROUP 3.—TEXTILES													
Total								**892,920**	**893,766**	**916,715**	**1,001,909**	**600,708**	**412,687**
A. Cotton, unmanufactured	1,000 lbs	165,958	182,137	172,037	223,275	128,373	61,302	46,280	42,663	42,797	53,333	25,274	6,070
Long staple	do	[7] 56,364	51,300	42,655	51,726	38,804	4,516	[7] 19,187	16,178	14,178	17,687	10,817	724
Short staple	do	[7] 116,595	130,838	129,382	171,549	89,569	56,786	[7] 30,437	26,485	28,620	35,646	14,457	5,346
B. Cotton, semimanufactures								**8,389**	**5,421**	**6,323**	[5] 5,810	**3,114**	**1,788**
Cotton waste	1,000 lbs	36,008	33,823	48,108	41,208	25,331	14,785	3,337	2,112	3,012	2,478	1,302	595
Yarns and warps—													
Not bleached, dyed, or plied, etc	do	4,238	33	20	12	5		5,052	29	21	12	6	
Bleached, dyed, combed, or plied	do		2,747	2,577	2,669	1,649	1,466		3,280	3,290	3,320	1,805	1,193

[1] Average for years 1923–1925.
[3] June 18 to Dec. 31, 1930.
[5] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
Average for years 1922–1925.
[15] Average for years 1927–1930.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 3.—TEXTILES—Continued												
C. Cotton manufactures							78,178	58,206	62,972	63,454	43,106	38,866
Sewing thread, crochet, darning, embroidery, and knitting cotton, million yds.	4,140	1,832	1,777	1,610	1,446	1,365	2,890	1,615	1,482	1,226	1,019	812
Cotton cloth, 1,000 sq. yds.	150,874	56,336	61,295	61,185	35,517	34,732	35,963	14,605	15,842	15,901	9,426	7,035
Not bleached, do.	67,387	23,171	23,515	20,455	11,320	7,136	13,290	4,727	4,753	4,499	2,389	1,133
Bleached, do.	14,001	9,367	11,301	13,163	6,988	9,316	3,747	2,021	2,408	2,557	1,453	1,472
Colored, dyed, printed, etc., and woven figured, 1,000 sq. yds.	69,486	23,798	26,479	27,567	17,209	18,280	18,926	7,856	8,681	8,845	5,583	4,430
Cotton fabrics, n. e. s.							2,988	8,060	9,119	8,462	5,830	4,859
Cloth, chief value cotton, less than 17 per cent wool, 1,000 lbs.		[3] 42			[3] 42	230		[3] 20			[3] 20	57
Table damask and manufactures							[1] 405	307	276	386	255	191
Pile fabrics and manufactures							703	2,396	3,177	2,624	996	1,687
Velvets and velveteens, 1,000 sq. yds.		[2] 2,464	3,550	3,145	698	701		[2] 1,863	2,750	2,326	512	586
Other								[2] 403	427	298	484	1,101
Tapestries and other Jacquard woven upholstery cloths							1,867	4,589	5,068	4,650	3,416	1,538
Blankets								354	278	501	357	50
Table covers, napkins, doilies, etc.							[3] 400	308	320	301	278	172
Bed spreads and quilts, thousands		[3] 394			[3] 394	1,020		[3] 403			[3] 403	962
Sheets, pillow cases, towels, etc.								[3] 104			[3] 104	202
Wearing apparel							12,815	14,760	16,985	15,605	12,014	11,405
Product of Philippine Islands							3,113	4,059	3,639	4,605	3,106	2,044
Knit goods—												
Gloves, 1,000 doz. prs.	1,414	2,107	2,494	1,978	1,762	2,535	4,480	6,571	8,230	5,809	5,757	6,848
Hosiery, do.	764	649	797	912	512	600	1,635	2,025	2,593	2,606	1,523	1,584
Underwear and other knit goods							244	436	375	663	422	224
Wearing apparel wholly or partly of lace, or embroidered, beaded, etc.							[1] 2,632	702	750	813	606	336
All other							1,765	966	1,398	1,108	599	369
Other cotton manufactures							23,523	19,167	19,544	22,260	14,817	14,755
Handkerchiefs and mufflers—												
Not of lace, embroidered, etc., 1,000 lbs.	[1] 328	210	199	214	133	109	2,145	649	626	652	407	273
Lace trimmed, or embroidered, etc., do.								1,111	1,194	1,272	511	161
Laces, embroideries, etc.							6,576	11,259	11,253	11,723	8,756	9,247
Product of Philippine Islands							296	510	467	929	426	267
Handmade laces							1,770	790	720	587	395	432
Machine-made laces							10,006	6,201	6,154	7,158	5,244	6,311

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Articles in part of lace							[1] 1,304	1,290	1,474	1,365	994	615
Lace window curtains							610	449	515	287	273	214
Embroideries							833	587	647	403	577	327
All other laces, embroideries, etc.							2,273	1,432	1,276	995	847	1,081
Cotton floor coverings, 1,000 sq. yds.		[6] 4,851		5,398	4,303	7,291		[6] 2,282		2,848	1,715	2,897
Other cotton manufactures, n. e. s.							4,802	5,235	6,473	5,765	3,428	2,177
D. Jute and manufactures							78,556	93,709	101,277	95,989	67,855	37,681
Jute, unmanufactured, tons of 2,240 lbs.	71,358	60,346	59,506	57,349	41,651	46,665	9,002	9,442	8,773	8,058	5,091	3,669
Jute butts, unmanufactured, do.		19,668	30,543	30,470	19,374	17,957		1,848	2,884	3,214	1,485	835
Waste bagging and waste sackcloth, 1,000 lbs.	[1] 11,630	38,604	22,024	33,587	37,592	55,075	[1] 265	1,119	484	622	636	953
Burlaps, do.	559,263	606,083	619,987	643,645	598,157	431,363	60,406	72,250	80,087	77,377	54,300	28,757
Bagging for cotton							1,822	3,532	3,057	1,856	2,358	873
Woven fabrics, n. e. s., 1,000 lbs.	[1] 2,151	2,039	2,076	2,427	1,156	1,522	[1] 705	625	615	722	336	361
Jute bags or sacks, do.	47,803	40,778	42,189	32,198	43,315	37,663	4,175	4,146	4,565	3,170	3,059	1,902
Yarns, single, do.	[1] 4,061	824	76	2	66	8	[1] 453	96	10	1	9	1
Cordage, do.		[3] 149			[3] 149	262		[3] 22			[3] 22	32
Other jute manufactures							[7] 372	647	801	969	559	298
E. Flax, hemp, and ramie, and manufactures							48,197	47,944	49,282	48,885	36,832	30,079
Flax, unmanufactured, tons of 2,240 lbs.	5,254	5,826	5,539	5,657	6,614	3,087	2,984	3,080	3,869	3,277	2,840	687
Hackled, do.	1,522	1,980	2,140	2,126	2,096	517	1,720	1,638	2,237	1,867	1,430	265
All other, do.	3,732	3,845	3,399	3,531	4,518	2,570	1,264	1,442	1,632	1,410	1,410	422
Hemp, unmanufactured, do.	3,921	1,708	1,684	1,401	1,457	1,018	1,102	549	575	407	379	148
Manufactures of flax, hemp, and ramie							44,051	44,315	44,818	45,200	33,613	29,244
Single yarns, 1,000 lbs.	4,764	2,578	2,293	2,759	2,345	1,983	1,484	1,204	1,216	1,216	931	555
Thread and twine, do.	[1] 640	496	417	458	344	364	[1] 721	554	470	563	389	277
Fabrics							25,011	23,227	23,842	24,193	15,985	14,076
Plain woven fabrics, weighing less than 4 oz. per sq. yd., 1,000 lbs.	[1] 5,337	3,781	3,839	4,843	3,493	4,743	[1] 7,577	4,653	4,842	5,671	3,885	4,357
Woven fabrics of flax 30 to 100 threads to the sq. inch, 4 to 12 oz. to the sq. yd., 12 to 36 inches in width, 1,000 lbs.	[1] 4,049	2,365	2,039	1,988	1,577	2,084	[1] 3,060	1,552	1,346	1,220	915	947
Pile fabrics and manufactures, 1,000 lbs.		[13] 103			103	472		[13] 152			152	663
Woven fabrics for padding or interlining, 1,000 lbs.		[13] 799			799	2,547		[13] 300			300	736
Table-damask and manufactures							[1] 5,781	6,434	6,178	7,116	5,169	2,951
Other fabrics of flax, hemp or ramie, 1,000 lbs.	[1] 11,500	13,066	12,673	13,287	8,472	9,380	[1] 13,947	10,496	11,476	10,186	5,563	4,422
Wearing apparel							429	497	490	755	648	463
Towels or napkins and bed clothing, thousands	[5] 14,296	25,006	19,412	21,025	28,263	37,194	[5] 3,144	3,734	3,179	3,317	3,668	3,611
Handkerchiefs—												
Not embroidered nor of lace, 1,000 doz.	2,301	3,570	3,772	4,449	3,138	2,630	3,663	3,651	3,825	4,175	2,950	2,084
Made of lace or embroidered, do.		1,505	1,413	1,737	2,034	2,576		1,964	1,975	2,228	2,002	2,329

[1] Average for years 1923–1925. [2] Average for years 1928–1930. [3] June 18 to Dec. 31, 1930. [5] Average for years 1924–25.

[6] Average for years 1929 and 1930. [7] Average for years 1922–1925. [13] 1930 only.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 3.—Textiles—Continued												
E. Flax, hemp, and ramie, and manufactures—Con.												
Laces, embroideries, etc.—												
Product of Philippine Islands							[16] 65	59	40	9	6	3
Embroideries and embroidered articles							5,175	5,367	5,617	5,349	4,230	3,168
Laces, drawn work, etc								929	1,109	739	477	96
Other manufactures n. e. s							6,566	3,131	3,054	2,656	2,327	2,582
F. Other vegetable fibers and manufactures							**37,034**	**43,619**	**41,705**	**47,440**	**29,578**	**17,185**
Unmanufactured fiber—tons of 2,240 lbs	213,452	213,060	215,743	238,032	182,650	153,324	**33,368**	**37,904**	**35,569**	**40,239**	**25,415**	**13,617**
Istle or tampico fiber—do	12,248	12,625	13,507	11,678	11,112	9,953	1,212	1,557	1,631	1,289	1,051	650
Manila or abaca fiber—do	71,452	60,849	47,313	72,190	64,052	30,740	12,318	12,670	9,588	13,496	8,844	2,939
New Zealand fiber—do	[16] 917	3,975	2,861	4,054	2,844	304	[16] 151	610	402	576	377	26
Sisal and henequen fiber—do	109,124	118,560	134,616	134,683	85,661	89,300	14,478	18,493	19,533	21,088	11,864	7,451
Kapok fiber—do	8,324	7,976	7,440	7,133	8,142	7,830	3,647	3,578	3,210	2,841	2,480	1,819
All other, n. e. s—do	12,121	9,074	10,006	8,294	10,839	15,107	1,682	996	1,206	949	798	732
Manufactures of—												
Binding twine—1,000 lbs	9,791	13,563	13,438	18,946	12,173	22,889	1,134	1,481	1,311	2,013	1,311	1,891
Cordage—												
Product of the Philippine Islands—do	[1] 5,056	6,524	5,903	6,937	7,514	5,380	[1] 632	885	781	951	661	547
Other—do	[1] 3,200	5,949	6,462	9,647	3,338	2,611	[1] 496	824	863	1,292	445	246
Other manufactures							1,789	2,525	3,182	2,945	1,446	884
I. Wool, including mohair, etc., unmanufactured—1,000 lbs	**339,811**	**253,242**	**244,553**	**280,371**	**163,734**	**158,385**	**102,369**	**78,790**	**79,861**	**87,344**	**37,092**	**22,372**
Carpet wool (actual weight)—do	138,453	135,503	149,326	175,007	93,404	120,500	29,695	34,300	37,947	46,989	18,994	14,354
Clothing wool (actual weight)—do	63,677	16,858	18,408	18,498	14,702	6,344	17,137	6,050	8,051	6,966	3,841	1,527
Combing wool (actual weight)—do	132,028	96,440	72,627	83,709	54,364	30,954	53,335	36,230	31,729	31,901	13,342	6,140
Hair of the Angora goat, Cashmere goat, alpaca, etc. (actual weight)—1,000 lbs	5,653	4,439	4,193	3,156	1,252	586	2,201	2,209	2,134	1,489	920	350
Hair of the Angora goat (mohair)—do	[1] 3,454	3,765	3,263	1,968	427	175	[1] 1,665	1,780	1,633	812	177	44
Hair of the Cashmere goat, alpaca, etc.—do	[1] 1,236	674	929	1,188	825	411	[1] 518	429	501	677	733	306
Wool, carbonized—do		[3] 12			[3] 12	200		[3] 5			[3] 5	66

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J. Wool, semimanufactures							20,544	12,451	16,131	13,632	6,439	2,105
Noils, 1,000 lbs.	33,041	6,393	8,499	6,002	3,595	2,067	12,161	4,333	6,330	4,785	2,297	1,241
Wool rags, flocks, and mungo, do.		18,062	23,003	20,486	7,092	1,027		5,153	6,657	5,752	1,852	251
Waste, do.		3,615	4,678	2,847	2,107	769		1,900	2,695	1,613	759	225
Tops and other wool advanced, do.	4,902	286	65	738	291	24	3,288	318	63	743	309	19
Yarns, do.	3,967	332	205	240	262	153	5,094	746	386	738	1,220	369
Mohair, do.	[5] 774	130	60	76	74	6	[5] 958	281	75	374	453	6
Wool or other hair, do.	[5] 1,250	201	144	163	188	147	[5] 1,958	465	311	364	767	363
K. Wool manufactures							44,048	56,844	62,260	64,869	33,703	20,800
Woven fabrics of mohair and wool, 1,000 sq. yds.	[5] 22,082	17,859	18,641	19,518	9,219	4,721	18,774	18,437	19,285	20,023	9,644	4,816
1,000 lbs.	**9,936**	**9,253**	**9,919**	**10,037**	**4,788**	**2,602**						
Mohair fabrics, 1,000 sq. yds.	[5] 396	376	416	402	340	77	[1] 214	155	170	173	126	27
1,000 lbs.	[1] 102	84	91	96	75	17						
Worsteds—												
Weighing not over 4 oz. per sq. yd., 1,000 sq. yds.	[5] 4,442	4,401	4,361	5,047	1,974	446	[5] 2,022	1,833	1,823	2,042	756	184
1,000 lbs.	[5] 933	907	896	1,052	410	87						
Weighing over 4 oz. per sq. yd., 1,000 sq. yds.	[5] 1,580	1,833	2,096	2,775	1,318	908	[5] 1,924	2,665	3,123	3,831	1,747	959
1,000 lbs.	[5] 806	988	1,133	1,485	694	472						
Woolens—												
Weighing over 4 oz. per sq. yd., 1,000 sq. yds.	[5] 15,666	11,251	11,769	11,294	5,587	3,290	[5] 17,246	13,784	14,169	13,977	7,014	3,646
1,000 lbs.	[5] 9,422	7,275	7,799	7,404	3,609	2,026						
Other fabrics of wool, do.	[1] 34	99	24	13	396	404	[1] 72	193	120	63	528	498
Carpets and rugs, 1,000 sq. yds.	**2,365**	**3,027**	**3,185**	**3,340**	**2,034**	**1,642**	13,149	19,528	21,454	21,509	12,076	8,222
Oriental, Axminster, Savonnerie, Aubusson, oriental weave, and chenille Axminster, 1,000 sq. yds.	[1] 2,187	2,161	2,229	2,304	1,301	1,089	[1] 14,423	17,015	18,413	18,067	10,358	7,251
All other, do.	[1] 610	866	956	1,036	733	553	[1] 1,389	2,514	3,041	3,442	1,719	971
Wearing apparel							9,610	16,041	18,415	19,975	10,300	6,900
Knit goods—												
Sweaters, 1,000 lbs.						41						208
Hosiery, 1,000 doz. prs.	[1] 506	356	399	394	230	247	[1] 3,188	2,279	2,531	2,337	1,312	956
Gloves and mittens, do.	[1] 183	125	140	98	73	81	[1] 471	261	282	194	145	144
Other knit and crocheted goods, 1,000 lbs.	[1] 310	506	505	527	756	966	[1] 1,193	2,192	2,360	2,693	2,677	2,009
Hats and hat bodies of wool-felt, do.	[1] 1,775	[15] 4,402	5,350	7,295	3,205	3,024	[1] 5,738	[15] 6,496	8,229	10,741	3,891	2,409
Hat bodies of wool-felt, 1,000 lbs.			4,898	7,059	3,171	3,011		7,520	10,240	3,805	2,390	
Hats of wool-felt, 1,000 lbs.			452	236	34	13		809	501	86	19	
All other wearing apparel, do.		2,137	1,441	893	514	310		6,113	5,014	4,010	2,276	1,174
Wool laces, embroideries, etc.							[5] 730	331	421	428	293	76
Other manufactures of wool							2,173	2,314	2,565	2,869	862	289

[1] Average for years 1923–1925. [3] June 18 to Dec. 31, 1930. [5] Average for years 1924 and 1925. [15] Average for years 1927–1930. [16] 1921 only.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 3. Textiles—Continued												
L. Hair and manufactures, n. e. s							8,944	5,456	4,827	5,464	3,624	2,783
Human hair—												
Unmanufactured 1,000 lbs.	1,581	2,604	2,295	2,079	2,723	2,249	800	917	866	578	636	383
Nets and netting of human hair 1,000 gross		610	484	665	540	529	[17] 4,585	609	482	631	430	315
Other manufactures of human hair								168	136	174	117	107
Horse hair, tails, or manes 1,000 lbs.	4,899	4,136	4,099	3,692	3,461	3,357	2,336	2,125	2,112	1,907	1,432	1,300
Cattle body hair, ordinary do.	9,275	11,649	4,409	8,500	4,345	4,187	1,152	1,538	432	679	321	219
Other animal hair, n. e. s do.			3,410	8,247	3,490	3,221			740	1,442	637	425
Manufactures of horse and cattle hair do.	[5] 665	318	195	179	193	120	[4] 120	98	60	53	50	34
M. Silk, unmanufactured 1,000 lbs.	62,030	86,458	88,269	98,016	81,993	89,446	356,287	374,715	373,331	432,340	266,188	192,287
Raw silk do.	52,119	75,343	75,489	87,068	73,733	83,853	348,123	368,232	367,997	427,126	262,913	191,290
Silk, waste, and cocoons do.	9,911	11,114	12,780	10,948	8,260	5,593	8,163	6,482	5,334	5,214	3,225	997
N. Silk manufactures							40,941	36,383	41,388	39,037	18,687	16,625
Spun silk or schappe silk yarn 1,000 lbs.	1,383	516	623	313	189	171	4,385	1,401	1,754	883	440	342
Singles do.	[1] 243	60	49	52	27	27	[1] 642	166	141	174	96	76
Advanced do.	[1] 1,109	456	574	261	162	144	[1] 3,927	1,234	1,613	710	344	266
Bolting cloths do.	[1] 21	23	50	21	14	15	488	594	741	594	412	366
Fabrics, broad, except pile fabrics do.	2,959	3,314	3,448	3,858	2,000	3,120	17,580	15,545	16,426	16,811	8,000	9,065
Fabrics not over 30 inches wide—												
Not jacquard, figured 1,000 sq. yds.		[3] 427			[3] 427	2,073		[3] 269			[3] 269	984
Not jacquard, figured 1,000 lbs.		[3] 61			[3] 61	212						
Jacquard, figured 1,000 sq. yds.		[3] 87			[3] 87	572		[3] 106			[3] 106	853
Jacquard, figured 1,000 lbs.		[3] 13			[3] 13	120						
Fabrics over 30 inches wide—												
Not jacquard, figured 1,000 sq. yds.		[3] 3,765			[3] 3,765	28,979		[3] 1,191			[3] 1,191	6,083
Not jacquard, figured 1,000 lbs.		[3] 383			[3] 383	2,590						
Jacquard, figured 1,000 sq. yds.		[3] 119			[3] 119	772		[3] 196			[3] 196	1,145
Jacquard, figured 1,000 lbs.		[3] 25			[3] 25	198						
Pile fabrics do.	660	672	1,048	957	219	240	4,029	4,525	7,579	6,585	1,025	1,188
Pile ribbons and manufactures of pile fabrics do.		84	72	46	63	148		461	426	292	309	687
Ribbons, braids, and narrow fabrics							670	292	275	220	112	55

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Silk wearing apparel							6,310	7,347	7,743	7,453	4,651	2,586
Product of Philippine Islands							16	[15] 114	90	186	104	43
Not knit, not embroidered, etc.							5,404	3,436	3,870	3,542	2,081	1,283
Embroidered, etc., or of lace								3,550	3,514	3,460	2,272	1,128
Knit or crocheted								270	269	265	194	132
Silk handkerchiefs and mufflers—												
Hemmed or not hemmed, 1,000 doz.	483	492	477	523	308	383	923	1,020	949	1,025	634	411
Embroidered or of lace, do		198	296	284	70	18		192	236	200	53	27
Silk laces, embroideries, etc.							4,722	3,781	4,081	3,831	2,421	1,517
Laces and lace articles							[1] 2,294	1,820	2,147	2,042	1,583	1,043
Embroideries							[1] 1,281	1,553	1,612	1,482	687	379
All other							[1] 775	409	323	306	151	95
All other manufactures of silk							1,834	1,225	1,178	1,142	631	381
O. Rayon manufactures							**9,216**	**15,276**	**15,789**	**18,666**	**8,376**	**4,743**
Waste, noils, tops, 1,000 lbs.	[1] 4,639	3,212	2,748	5,024	1,462	1,382	[2] 1,525	789	405	1,285	205	135
Yarns, threads, and filaments, do.	3,675	12,249	12,734	15,950	6,263	2,674	5,440	10,123	10,902	12,147	4,853	1,810
Fabrics, woven and knit, 1,000 lbs.		[6] 277		286	267	259		[6] 1,097		1,252	942	792
Wearing apparel								[3] 292			[3] 292	872
All other manufactures							2,862	3,866	4,462	3,981	2,083	1,134
P. Miscellaneous textile products							**15,939**	**22,257**	**18,811**	**25,627**	**20,760**	**19,297**
Hats of straw or fiber and materials							**10,213**	**14,926**	**10,823**	**18,754**	**15,610**	**15,383**
Materials—Braids, etc., of straw, etc.							5,329	4,315	3,060	4,403	3,994	2,586
Hats of straw, grass, etc., thousands		**30,307**	**22,235**	**37,606**	**29,627**	**41,999**	**4,884**	**10,611**	**7,763**	**14,351**	**11,618**	**12,797**
Product of Philippine Islands, do.	344	634	673	810	577	351	521	1,416	1,855	2,019	873	449
Not blocked or trimmed, do.	[5] 11,873	7,645	4,286	7,560	13,126	30,912	2,605	5,394	3,464	6,099	8,708	11,696
Blocked or trimmed, do.	3,515	3,150	1,043	4,720	2,423	12	935	1,751	781	2,844	1,197	39
Sewed, do.	[5] 2,257	3,123	2,839	7,681	685	197	[5] 1,253	1,202	1,060	2,458	270	135
Harvest hats less then $3 per dozen, do.	[5] 14,234	15,751	13,393	16,835	12,797	10,377	[6] 802	845	603	931	552	374
Hats, n. e. s. in part of rayon or other synthetic textile, thousands		[3] 19			[3] 19	150		[3] 16			[3] 16	104
Floor coverings, n. e. s.—												
Mats of coco fiber or rattan, 1,000 sq. ft.		4,005	4,624	4,059	3,484	2,513		406	468	403	353	218
Matting and mats of China, Japan, and India straw, 1,000 sq. yds.	7,034	2,081	1,507	1,425	1,250	1,098	1,297	256	176	170	132	84
Other floor coverings, do.		4,093	3,675	3,538	3,416	2,498		992	851	1,095	946	473
Artificial flowers, etc. and manufactures							[13] 3,255	3,034	3,901	2,692	1,805	1,448
Body supporting garments								[3] 326			[3] 326	564
Mixed fabrics, 17 per cent or more of wool, wool not chief value, 1,000 lbs.		[3] 56			[3] 56	69		[3] 91			[3] 91	119

[1] Average for years 1923–1925.
[2] June 18 to Dec. 31, 1930.
[3] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
[13] Average for years 1927–1930.
[17] Data prior to Sept. 22, 1922, are "manufactures of hair."

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 3. TEXTILES—Continued												
P. Miscellaneous textile products—Continued.												
Linoleum, inlaid, 1,000 sq. yds.	1,213	533	502	512	273	115	1,271	592	551	516	270	106
Other linoleum and floor oil cloth, do.		319	227	47	103	193		317	214	32	73	109
Tracing cloths, do.	[1] 3,140	2,296	2,198	2,599	1,881	1,412	[1] 1,454	1,200	1,165	1,377	963	704
Other coated, or waterproof fabrics, do.		1,620	2,505	2,160	608	320		450	661	589	193	89
GROUP 4.—WOOD AND PAPER												
Total							296,590	358,780	358,779	377,328	319,466	237,355
A. Wood, unmanufactured							14,979	16,050	14,619	17,708	12,894	7,243
Cedar, 1,000 ft. b. m.	[1] 125,990	102,507	25,958	33,443	25,461	20,718	[1] 2,213	1,457	410	525	335	189
Logs of fir, spruce, or western hemlock, do.			50,644	86,994	74,720	127,656			710	1,257	914	1,299
Logs and timber (except cabinet woods)							2,125	1,704	1,522	1,674	1,166	230
Teak, 1,000 ft. b. m.		[3] 1,687			[3] 1,687	2,662			[3] 511		[3] 511	725
Cabinet woods in the log—												
Product of Philippine Islands, do.	[7] 928	5,047	5,116	5,847	4,811	1,203	[6] 54	208	207	167	215	50
Mahogany, do.	54,074	55,201	48,041	53,056	33,651	16,760	4,623	4,120	3,503	3,778	2,115	937
Cedar, Spanish [18] do.	9,277	4,870	4,779	5,239	4,525	700	583	317	331	347	292	41
All other, do.	[4] 7,143	9,761	8,299	17,122	7,131	3,331	692	1,263	1,271	2,340	872	362
Railroad ties, thousands.	[1] 1,036	968	878	921	710	395	[1] 691	778	676	736	581	292
Rattan, unmanufactured, 1,000 lbs.	[1] 14,154	9,384	8,777	10,365	7,261	5,592	1,249	715	680	686	491	301
Poles—telegraph, telephone, etc., thousands.	[1] 621	859	828	972	907	398	[1] 2,737	3,525	3,319	4,090	3,568	1,542
Brier, ivy, or laurel root							[4] 294	340	349	305	461	338
Other unmanufactured wood							2,101	1,521	1,640	1,803	1,374	937
B. Wood semimanufactures—sawmill products							68,410	56,703	54,885	54,160	35,889	20,319
Boards, planks, and deals—												
Softwood, M ft.	1,576,375	1,469,443	1,372,405	1,418,419	1,146,103	698,278	48,765	38,020	35,409	36,520	26,216	14,061
Hardwood, do.		69,679	58,443	85,656	39,800	24,558		3,883	3,194	4,875	2,051	1,019
Cabinet woods, sawed—												
Product of Philippine Islands, do.	10,946	31,150	33,881	34,521	28,068	17,965	638	1,469	1,538	1,582	1,367	866
Other cabinet woods, sawed, do.	5,239	4,184	3,675	4,190	3,319	4,350	379	339	305	325	310	200
Other lumber							[16] 2,287					
Laths, millions.	1,478	1,209	1,203	787	430	467	8,627	5,650	6,322	3,562	1,366	1,215
Shingles, do.	2,430	1,888	2,066	1,673	1,244	988	9,162	6,853	7,657	6,850	6,853	2,606
Pickets and palings							[7] 478	491	461	446	421	262
C. Wood manufactures							9,055	10,200	10,636	10,837	5,428	5,183
Barrels, boxes, and shooks, thousands.	[1] 1,564	2,209	2,122	1,669	1,971	979	[1] 365	338	418	255	378	161

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Clapboards (siding)	M ft.		[3] 1,976			[3] 1,976	3,422		[3] 80			[3] 80	127
Veneers and plywoods	1,000 sq. ft.		[3] 1,341			[3] 1,341	5,208		[3] 43			[3] 43	108
Baskets	thousands	13,782	12,850	12,021	14,589	12,584	11,017	1,780	1,038	976	1,006	812	564
Cane or reed and manufactured rattan	1,000 lbs.	[1] 5,163	4,011	3,606	4,385	3,235	2,376	622	422	384	435	305	186
Osier or willow for basket making	do.	[1] 1,908	670	505	413	275	263	[1] 128	38	23	25	17	11
Manufactures of rattan, bamboo, osier, or willow (except furniture)								[5] 574	242	185	161	192	178
Furniture of rattan, reed, bamboo, grass, osier, willow, or fiber								2,479	282	221	248	162	138
Other furniture of wood									4,489	5,049	5,329	3,912	2,071
Mfrs. of wood, product of Philippine Islands								38	73	84	103	59	42
Other manufactures of wood								3,486	3,254	3,294	3,275	2,468	1,596
D. Cork and manufactures								4,689	10,104	9,939	13,119	7,852	3,788
Wood or bark, unmanufactured	1,000 lbs.	56,824	100,723	87,798	90,642	74,820	55,519	1,398	2,981	3,067	3,240	2,627	1,619
Waste shavings, etc	do.	140,950	139,412	141,873	176,956	99,794	79,882	1,749	3,209	3,141	4,989	2,871	1,394
Disks, wafers, and washers	do.	428	633	522	497	305	92	344	507	441	408	207	60
Cork insulation	do.							[1] 764	2,636	2,229	4,038	1,844	576
Cork stoppers	do.		394	499	289	227	110	[10] 390	416	661	207	152	72
All other cork manufactures								661	356	399	236	152	67
E. Paper base stocks								94,219	114,498	112,296	118,133	106,922	75,193
Pulp woods	1,000 cords	1,248	1,492	1,546	1,350	1,582	1,022	13,607	15,686	16,157	14,598	17,017	11,211
Rough spruce	do.	286	409	461	369	301	182	2,956	4,076	4,578	3,771	3,088	1,940
Other rough	do.			54	32	30	5			502	310	258	43
Peeled spruce	do.	844	1,029	705	730	1,012	620	9,082	10,910	7,749	8,493	11,458	7,229
Other peeled	do.			273	202	223	198			2,529	1,828	2,043	1,786
Rossed spruce	do.	117	53	50	17	16	17	1,569	700	742	195	169	213
Other rossed	do.			3						57	1	1	
Wood pulp	tons of 2,240 lbs.	1,165,276	1,584,480	1,566,931	1,679,222	1,634,122	1,425,376	67,002	86,044	83,464	88,573	81,109	60,887
Mechanically ground wood pulp	do.	229,222	244,866	222,499	244,162	267,171	188,004	7,183	6,615	5,443	6,246	7,146	4,494
Sulphite wood pulp—													
Unbleached	do.	446,770	649,989	640,660	701,456	665,049	540,006	24,924	34,481	32,587	35,329	33,194	22,995
Bleached	do.	221,605	314,199	307,926	334,235	322,886	320,016	18,545	23,866	23,368	25,339	22,722	18,930
Soda pulp	do.	[13] 1,226	[13] 1,932			1,932	3,055	76	[13] 126			126	166
Sulphate wood pulp, unbleached (Kraft pulp)	tons of 2,240 lbs.	249,746	359,755	381,256	384,005	357,551	344,612	15,270	20,004	21,171	20,519	16,452	12,035
Sulphate wood pulp, bleached	do.	16,708	15,285	14,590	15,364	19,533	29,683	1,004	1,052	895	1,140	1,469	2,267
Other pulp	do.	[1] 1,695	4,472	6,728	6,050	2,376	254	[1] 109	329	455	514	178	21
Rags for paper stock	1,000 lbs.	379,223	406,573	439,893	446,496	281,592	116,681	8,318	8,224	8,195	9,342	5,565	1,571
Waste bagging, waste paper, etc	do.	[1] 122,179	215,975	148,756	141,615	221,568	123,285	[1] 1,775	4,213	1,958	1,658	3,052	1,503
Old rope and all other paper stock	do.	118,277		70,724	131,085			4,162		2,065	3,448		

[1] Average for years 1923–1925.
[3] June 18 to Dec. 31, 1930.
[4] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925.
[7] Average for years 1922–1925.
[10] 1925 only.
[13] 1930 only.
[16] 1921 only.
[18] "Cedar" prior to 1923.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 4. WOOD AND PAPER—Continued												
F. Paper and manufactures							105,239	151,219	156,407	163,365	147,461	125,623
Printing paper—												
Standard newsprint ..... 1,000 lbs.	2,374,511	4,242,903	4,314,333	4,845,401	4,559,303	4,133,812	90,895	134,239	139,433	144,493	131,800	112,170
All other, n. e. s. ..... do	13,335	8,219	7,339	4,360	2,601	3,000	657	405	343	221	123	94
Grease-proof and waterproof papers ..... do	[1] 2,306	1,584	1,262	1,777	1,033	357	[1] 249	326	232	460	294	75
Kraft wrapping paper ..... do	46,975	9,842	10,762	9,796	7,584	3,997	1,995	418	460	423	297	169
All other wrapping paper ..... do		8,870	16,224	7,115	2,540	2,903		292	392	221	143	136
Writing, letter, drawing, etc., papers ..... do	[1] 3,139	3,384	3,108	3,227	3,407	2,476	[1] 672	869	807	893	831	477
Writing paper and envelope combinations								[3] 263			[3] 263	253
Surface-coated ..... 1,000 lbs.	1,269	2,197	2,371	2,452	1,858	1,099	344	916	1,104	1,046	762	538
Uncoated paper, decorated or embossed ..... do		[3] 92			[3] 92	146		[3] 29			[3] 29	38
Tissue, copying, etc., paper ..... do	[1] 2,385	3,551	3,569	5,009	3,062	2,006	[1] 1,022	1,935	2,053	2,668	1,713	1,132
Pulp boards in rolls ..... do	65,850	57,041	52,770	58,725	42,815	23,263	1,786	1,307	1,151	1,272	970	495
Paper boards, pulp boards, and cardboard ..... 1,000 lbs.		[2] 18,540	21,106	20,488	14,027	14,154	[1] 735	606	470	486	333	296
Leather board, test and wall board ..... do		[3] 1,514	880	2,048	1,615	2,344		[2] 72	27	86	103	121
Cigarette paper, cigarette books and covers ..... 1,000 lbs.	[1] 11,275	12,241	11,689	12,357	14,198	20,737	3,362	3,618	3,214	4,102	4,301	5,396
Hanging paper (wall paper) ..... do	[1] 10,022	2,614	2,164	2,876	2,145	1,034	541	651	657	750	618	305
Duplex decalcomania, not printed ..... do	[1] 447	621	626	586	502	406	123	147	142	146	119	85
Paper boxes							[5] 1,264	1,435	1,789	1,720	1,252	969
Pulp or papier-mâché and manufactures of, n. e. s.								461	436	581	543	418
All other paper and manufactures							3,423	3,492	3,697	3,797	2,967	2,456
GROUP 5.—NONMETALLIC MINERALS												
Total							230,110	280,241	285,153	306,050	245,773	154,255
A. Coal and related fuels							12,330	7,572	6,513	7,060	6,988	6,186
Anthracite coal ..... tons of 2,240 lbs.	186,362	442,799	343,488	434,975	602,511	569,599	1,560	3,626	2,591	3,329	4,376	4,143
Bituminous coal, shale, and lignite ..... 1,000 tons of 2,240 lbs.	1,646	422	488	442	215	185	9,804	2,091	2,398	2,157	1,149	1,016
Bituminous coal, shale, and lignite ..... do	[7] 1,236	76	110	73	33	24	[7] 7,378	351	500	300	120	79
Coal and related fuels, n. e. s. ..... do	[1] 572	346	378	369	182	161	[1] 3,199	1,740	1,898	1,858	1,029	937
Coke ..... tons of 2,240 lbs.	88,327	152,412	131,876	106,896	118,459	92,467	881	1,361	1,133	1,092	1,044	691
Charcoal, briquets, etc.							[1] 92	492	391	481	419	330

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B. Petroleum and products							90,793	131,901	132,842	143,558	145,116	92,741
Crude petroleum, 1,000 bbls. of 42 gals.	94,857	67,919	79,767	78,933	62,129	47,250	68,012	78,641	90,473	79,943	64,872	39,221
Refined petroleum oil products, do.	12,545	23,779	11,700	29,632	43,381	38,702	22,214	51,788	40,943	61,023	78,738	52,149
Topped, including fuel oils, do.	9,673	15,290	7,268	20,545	26,080	24,998	11,356	14,191	8,485	16,513	18,875	16,215
Tops and other unfinished distillates, do.		218	20	5	149	40		644	34	22	194	232
Gasoline, naphtha, and other finished light products, 1,000 bbls. of 42 gals.	2,840	8,100	4,198	8,834	16,927	13,621	10,617	36,156	31,516	43,335	58,604	35,069
Illuminating oil (kerosene), do.	[1] 12	148	202	208	200	11	[1] 85	482	716	562	649	69
Lubricating oils, including paraffin oil, do.	[1] 26	24	13	39	25	32	[1] 190	314	192	591	416	564
Paraffin and paraffin wax, 1,000 lbs.	10,458	25,290	24,741	40,860	30,402	37,835	566	1,472	1,426	2,591	1,506	1,371
C. Stone, sand, cement, and lime							5,908	8,400	8,524	7,377	6,106	3,326
Marble, breccia, and onyx—												
In blocks, or sawed over 2 inches thick, 1,000 cu. ft.	587	777	591	727	750	237	1,220	1,884	1,691	1,734	1,671	563
Manufactures							333	760	805	827	605	374
Other building or monumental stone, n. e. s.							598	946	804	1,026	1,043	687
Other stone, n. e. s.							198	256	234	225	253	138
Cement, Roman, Portland, and other hydraulic, 1,000 bbls.[19]	1,558	2,055	2,284	1,728	982	470	2,582	2,852	3,091	1,938	1,154	545
Lime and limestone, crude, 1,000 lbs.	[1] 45,351	57,842	54,055	65,696	59,580	43,401	[1] 368	357	359	412	290	192
Gypsum or plaster rock—												
Crude, tons of 2,240 lbs.	407,930	825,046	918,586	925,344	805,677	637,393	648	1,153	1,341	1,061	917	713
Ground, calcined, cements, and other manufactures							103	193	201	153	173	114
D. Glass and glass products							16,989	15,203	15,240	13,993	8,875	6,397
Cylinder, crown and sheet—												
Plain, 1,000 lbs.	[20] 44,800	62,692	67,591	66,820	14,670	7,721	[20] 2,342	2,253	2,455	2,185	573	292
Bent, beveled, colored, etc.						1,767	[1] 613	482	561	564	347	254
Plate glass—												
Plain, 1,000 sq. ft.	15,896	15,985	15,843	10,953	5,298	4,887	8,246	4,234	3,355	2,257	1,082	1,126
Bent, beveled, colored, etc., or silvered, do.			1,727	1,827	577				428	363	189	
Bottles, vials, jars, and other containers							248	428	248	308	1,138	534
Pressed glass articles							[1] 172	221	298	282	206	139
Blown glass articles—							3,546	4,778	4,965	5,104	3,038	2,106
Illuminating articles								877	988	802	602	369
Scientific articles and utensils								553	548	648	502	389
Other glassware							2,136	1,376	1,393	1,481	1,198	1,188

[1] Average for years 1923–1925.
[2] Average for years 1928–1930.
[3] June 18 to Dec. 31, 1930.
[5] Average for years 1924 and 1925.
[7] Average for years 1922–1925.
[19] Barrels of 376 pounds.
[20] "Cylinder, crown, and sheet" prior to 1923.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 5. Nonmetallic minerals—Continued												
E. Clay and clay products							19,235	23,824	23,820	24,519	18,224	10,071
Clays and earths—												
Kaolin, china, and paper clay, tons of 2,240 lbs.	270,129	278,349	274,472	249,921	210,911	135,210	2,792	2,856	2,963	2,699	2,197	1,057
Fluorspar, do	[1] 31,539	56,003	42,128	48,522	57,949	18,491	[1] 365	555	409	481	545	211
Other clays, n. e. s., do	59,329						607	674	585	727	646	627
Pottery							15,056	18,060	17,947	18,803	14,070	7,845
China and porcelain wares—												
Domestic or household, 1,000 doz.		9,014	9,100	9,086	6,078	4,706	9,202	9,412	8,771	8,747	6,146	3,255
Hotel and restaurant, do			440	407	219	76			708	594	373	131
Other china and porcelain								1,285	1,192	1,334	1,165	1,066
Earthen, crockery, and stone ware—												
Table, toilet, and kitchen ware—												
Domestic or household, do		4,859	4,539	5,168	3,888	2,423	4,736	5,426	4,598	5,226	4,016	2,224
Hotel ware, plain or decorated, do			453	408	338	98			691	595	474	107
Sanitary earthenware							909	1,784	1,839	2,180	1,806	997
Common earthen and stone and Rockingham earthenware			129	65			[1] 329	154	149	128	90	64
Tiles, 1,000 sq. ft.		5,387	6,162	6,330	2,977	1,500	[1] 884	1,108	1,341	1,490	563	265
Bricks								569	574	318	204	67
F. Precious stones and pearls and imitations							66,473	68,836	74,559	79,650	40,592	22,992
Diamonds—												
Rough, uncut, carats	153,216	265,862	291,302	354,367	209,591	85,249	7,831	10,399	11,935	9,878	5,641	3,852
Cut, but not set, do	453,028	430,743	440,437	416,992	295,351	201,998	43,692	39,954	42,396	42,010	23,268	11,965
Glaziers', engravers', and miners' diamonds, carats	32,425	61,474	38,342	46,949	145,958	224,970	1,087	2,734	2,757	4,068	2,757	2,401
Pearls and parts, not strung or set							6,741	6,354	7,164	10,389	2,782	1,284
Imitation precious stones							2,184	3,065	4,198	3,945	1,788	1,570
Other precious stones, rough, uncut							640	272	293	352	181	369
Other precious and semiprecious stones, cut but not set							4,299	6,058	5,817	9,008	4,176	1,551
G. Other nonmetallic minerals							18,384	24,501	23,654	29,880	19,865	12,536
Abrasives							3,082	4,040	3,841	4,932	3,679	2,364
Natural abrasives—												
Corundum ore, tons of 2,240 lbs.	2,418	2,707	1,400	3,378	2,794	639	165	163	83	201	161	37
Emery ore, do	5,453	4,544	4,846	5,717	3,796	2,103	159	101	84	101	64	34

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Pumice stone and manufactures							[1] 123	132	160	152	95	77
Flint, unground ..... tons of 2,240 lbs.	13,534	11,947	14,035	12,542	6,121	5,617	123	109	144	127	62	55
Other natural abrasives							[7] 291	3,129	74	78	2,994	120
Artificial abrasives, crude ..... 1,000 lbs.	60,599	[21] 116,825	112,584	151,542		78,575	1,962		2,970	3,816		1,861
Other abrasives and manufactures							378	405	326	457	303	180
Asbestos—												
Crude (including blue fiber) ..... tons of 2,240 lbs.	151,443	211,253	12,402	15,157	9,410	4,605	5,655	8,706	3,051	4,334	2,134	611
Mill fiber ..... do			80,235	85,164	61,618	41,777			4,096	4,576	3,120	1,994
Stucco and other unmanufactured ..... do			113,251	133,988	115,295	75,369			1,871	2,243	1,811	1,145
Shingles and slates of asbestos cement ..... 1,000 lbs.	[1] 24,153	62,962	56,371	56,307	3,915	1,820	472	1,126	1,086	752	61	28
Other manufactures ..... do				907						226	160	138
Asphalt and bitumen ..... tons of 2,240 lbs.	121,501	106,167	106,775	108,053	47,498	65,779	1,064	893	865	956	457	726
Earthy and mineral substances and articles, n. e. s							166	752	551	1,108	1,082	851
Carbon and manufactures							323	507	339	603	401	316
Chalk—												
Unmanufactured ..... tons of 2,240 lbs.	101,968	103,477	96,856	102,563	102,866	74,112	143	124	116	120	108	98
Manufactures ..... 1,000 lbs.	[1] 14,648	7,276	3,795	4,630	2,242	48	121	103	108	111	52	3
Cryolite or kryolith ..... tons of 2,240 lbs.	[5] 8,082	7,132	6,906	7,778	8,315	7,908	[5] 506	573	529	671	696	581
Mica—												
Unmanufactured ..... 1,000 lbs.	691	1,590	503	1,317	4,555	4,570	447	494	257	752	453	130
Mica splittings ..... do	[1] 5,391	4,077	3,134	5,556	2,749	1,206	1,437	1,324	842	1,212	918	325
Cut, ground, or manufactured ..... do			54	136	42	15			89	216	70	4
Pyrites, or sulphuret of iron, containing more than 25 per cent sulphur, ... 1,000 tons of 2,240 lbs.	256	391	458	514	368	352	929	1,038	1,141	1,508	1,037	1,496
Talc, steatite, and French chalk ..... 1,000 lbs.	35,574	53,174	54,016	62,494	50,424	47,096	368	573	576	671	509	437
Magnesite—												
Crude and calcined ..... do	167,439	17,234	12,473	13,600	8,517	[5] 9,937	1,287	189	138	149	87	60
Dead burned and grain ..... do		111,025	114,530	92,764	93,873	41,872		813	836	670	702	332
Salt ..... do	193,988	100,311	84,049	91,675	108,530	67,028	424	166	150	152	146	83
Graphite or plumbago ..... do	29,904	36,861	35,686	47,922	33,451	18,180	553	829	809	1,065	625	260
Mineral wax ..... do	6,358	9,811	10,901	9,791	12,475	8,910	341	598	594	617	722	429
Other nonmetallic minerals, n. e. s							1,379	1,652	1,769	2,235	835	125
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES												
Total							243,257	334,072	315,654	395,953	266,375	146,081
A. Iron ore and concentrates ..... 1,000 tons of 2,240 lbs.	1,691	2,709	2,453	3,139	2,775	1,468	6,955	8,726	5,423	8,145	8,113	3,902

[1] Average for years 1923–1925.
[3] June 18 to Dec. 31, 1930.
[4] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925.
[7] Average for years 1922–1925.
[21] Average for years 1926–1929.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
Group 6.—Metals and manufactures, except machinery and vehicles												
B. Iron and steel semimanufactures							11,711	11,089	10,691	11,003	7,318	5,383
Granular or sponge iron, tons of 2,240 lbs.		[3] 81			[2] 81	210		[3] 3			[3] 3	8
Pig iron, tons of 2,240 lbs.	285,772	200,766	140,694	147,763	137,031	84,411	6,021	3,280	2,232	2,398	1,807	979
Iron and steel scrap, do	102,632	65,642	63,314	90,479	27,482	16,279	1,498	918	1,006	1,467	395	118
Steel bars, 1,000 lbs.	[23] 69,262	164,372	191,172	85,614	108,337	202,434	[22] 1,664	3,606	3,847	3,376	2,303	2,562
Bar iron, do	15,153	7,437	5,472	6,564	3,081	1,913	394	188	158	198	102	48
Wire rods, do	9,600	32,192	43,227	35,063	19,808	15,936	316	877	1,122	1,045	585	472
Boiler or other plate iron or steel sheets, do	[1] 4,414	9,919	17,977	7,265	4,239	1,692	[1] 89	140	252	116	60	33
Steel ingots, blooms, slabs, etc, do	55,321	51,405	48,023	59,345	49,982	44,851	2,130	959	909	1,109	749	519
Sheets of iron or steel, skelp, saw plates, and steel, n. e. s, 1,000 lbs.	5,371	43,440	51,016	56,488	59,570	36,180	251	964	1,012	1,222	1,248	601
Tin plate, terneplate, and taggers tin, do	6,537	2,102	2,064	640	585	439	373	156	153	72	67	43
C. Steel-mill products—manufactures							7,707	17,309	18,827	19,036	12,196	9,047
Structural shapes and building forms, 1,000 lbs.	62,635	320,440	366,826	332,019	269,547	162,017	1,232	4,895	5,271	5,657	4,094	2,226
Rails for railways, do	71,059	44,454	31,401	13,968	18,607	11,217	1,012	546	432	185	240	100
Pipes and tubes, do	[1] 106,271	214,007	238,088	204,326	74,652	50,250	[1] 2,790	5,471	5,849	5,919	2,714	1,905
Cast-iron pipe, do		129,455	136,177	113,473	26,598	14,877		1,707	1,726	1,421	319	183
Other pipes and tubes, do		84,552	101,911	90,853	48,054	35,373		3,764	4,123	4,498	2,395	1,722
Wire and manufactures—												
Barbed wire, do		10,483	12,650	13,438	10,472	23,774		270	329	348	246	434
Round wire, do	[1] 8,276	10,328	10,535	13,044	9,484	5,715	[1] 792	720	672	855	590	338
Telegraph, telephone, and other insulated wire [23]							[1] 871	63	26	21	34	26
Flat wire and steel strips, 1,000 lbs.	[1] 4,300	5,403	5,745	4,871	2,462	1,613	[1] 2,239	1,638	1,770	1,642	993	464
Card clothing, 1,000 sq. ft.	[1] 322	259	279	301	161	128	[1] 498	413	423	470	256	174
Wire rope and strand, 1,000 lbs.		[2] 5,018	3,751	5,487	5,817	4,367		[2] 402	298	443	465	280
Other wire manufactures							653	903	796	622	513	609
Hoop or band iron or steel for baling, 1,000 lbs.		[2] 42,073	70,009	44,388	11,822	19,310		[2] 799	1,343	863	190	251
Hoop, band, or scroll iron and steel, n. e. s, 1,000 lbs.		[3] 21,905			[3] 21,905	43,390		[3] 396			[3] 396	658
Nails [24], 1,000 lbs.	[1] 3,189	16,254	22,700	20,450	13,474	18,158	[1] 117	549	677	781	544	634
Castings and forgings, do	[1] 6,378	5,557	7,128	4,260	3,419	3,977	[1] 402	345	469	294	244	238
Tanks, drums, or vessels for gas or liquids, number		181,238	151,663	249,125	217,437	214,618		685	472	936	609	558
Autoclaves, converters, separators, stills, ovens, etc., and parts								[3] 67			[3] 67	63
D. Iron and steel, advanced manufactures							8,343	6,973	7,490	8,124	5,137	3,287
Cutlery—												
Razors and parts, thousands	7,219	47,780	77,578	53,102	64,419	2,385	354	492	602	743	420	159

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Scissors, shears, and clippers ... do	4,562	1,429	1,210	1,293	1,089	1,015	582	285	269	273	217	173
Pen, pocket, and other folding-blade knives ... thousands	7,391	3,829	4,305	3,858	2,096	1,604	602	202	207	194	118	73
Other cutlery ... do	[1] 1,378	1,215	1,080	1,123	1,137	990	412	429	382	458	370	292
Enameled or glazed ware and utensils ... 1,000 lbs	[1] 993	1,004	767	1,058	951	828	300	237	197	241	215	176
Tools							[1] 531	861	950	1,220	789	639
Needles, hand, sewing, and darning [25] ... millions	996	749	728	782	682	797	1,099	830	855	815	630	625
Other needles							380	231	202	256	160	160
All other iron and steel manufactures, n. s. p. f.							4,296	3,406	3,826	3,915	2,217	990
E. Ferro-alloys							**13,299**	**18,463**	**13,886**	**23,537**	**17,668**	**11,219**
Manganese ore—												
Product of—												
Cuba { Gross weight ... tons of 2,240 lbs	11,495	6,201	3,180	2,667	2,071	3,804	166	98	60	33	32	20
Cuba { Manganese content ... do		[15] 2,156	1,556	1,959	899	1,199						
Other manganese ore (manganese content) ... tons of 2,240 lbs	295,757	291,335	206,252	321,456	277,171	244,711	4,821	7,878	5,336	8,418	6,444	5,085
Ferromanganese and other alloys (manganese content) [26] ... tons of 2,240 lbs	61,510	45,347	47,550	62,785	38,452	17,763	5,244	4,632	4,806	6,817	3,992	1,607
Chrome ore or chromite ... do	113,752	260,515	216,592	317,630	330,531	212,528	965	2,268	1,705	2,666	3,513	3,315
Chromium and alloys ... 1,000 lbs	[1] 1,994	1,139	1,605	1,495	363	213	[1] 185	126	196	213	36	24
Ferrosilicon (silicon content) ... do	22,683	17,896	9,983	21,110	11,621	1,654	819	1,019	636	1,402	643	106
Tungsten and alloys (tungsten content) ... do	[1] 1,262	3,642	2,730	6,810	3,614	1,191	349	1,184	573	2,510	1,659	246
Vanadium ore ... tons of 2,240 lbs		5,609	493	8,714	5,168		541	562	50	795	492	
Other ores of ferro-alloying metals ... 1,000 lbs		[15] 4,982	864	2,704	16,341	68,117		[15] 43	10	55	86	177
Other ferro-alloying metals							281	662	515	628	771	639
F. Nonferrous metals, except precious							**177,625**	**254,196**	**239,809**	**307,342**	**204,616**	**106,958**
Aluminum							**9,673**	**13,082**	**10,113**	**11,680**	**7,034**	**4,582**
Bauxite, crude ... tons of 2,240 lbs	146,743	356,841	350,111	380,812	415,058	306,490	690	1,611	1,534	1,754	2,008	1,496
Metal, crude, scrap, and alloy ... 1,000 lbs	37,280	51,576	37,896	48,416	24,499	13,804	7,811	10,714	7,736	8,973	4,437	2,369
Manufactures—												
Plates, sheets, bars, etc ... do		125	26	22	48	169	1,172	30	11	9	15	42
Hollow ware ... do		139	123	123	92	116		72	70	71	54	60
Other manufactures								654	761	873	519	615
Copper [27] ... 1,000 lbs	**597,949**	**815,281**	**787,074**	**974,312**	**817,154**	**585,891**	**77,811**	**108,243**	**98,187**	**153,708**	**104,616**	**48,744**
Copper ores, concentrates and regulus ... do	133,996	162,832	148,305	180,452	162,894	124,457	16,800	19,253	16,735	23,557	17,912	8,942
Ores (copper content) ... do	86,168	107,634	106,192	124,619	101,317	23,580	10,905	12,510	11,589	15,358	11,395	1,683
Concentrates (copper content) ... do	41,863	52,603	39,473	53,729	56,871	99,408	5,140	6,441	4,861	7,907	5,980	7,146
Regulus, coarse, metal, and cement copper (copper content) ... 1,000 lbs	5,965	2,594	2,640	2,104	4,706	1,469	755	301	285	292	536	113
Unrefined, black, blister, and converter copper, in pigs, bars, etc ... 1,000 lbs	343,988	526,444	543,190	646,167	560,469	281,851	44,650	70,841	67,595	104,306	74,248	24,055
Refined copper ... do	109,309	115,760	84,731	134,015	86,210	174,450	14,918	16,841	12,634	23,757	11,374	15,349

[1] Average for years 1923-1925.
[3] June 18 to Dec. 31, 1930.
[15] Average for years 1927-1930
[22] Average for years 1921 and 1925.
[23] "Wire rope, insulated wire, etc." prior to 1926.
[24] "Nails and screws" prior to 1926.
[25] "Hand-sewing, darning, and shoe machine" prior to 1922.
[26] Gross weight prior to Sept. 22, 1922.
[27] Not including pounds of "Copper manufactures, n. e. s."

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 6.—METALS AND MANUFACTURES, EXCEPT MACHINERY AND VEHICLES—Continued												
F. Nonferrous metals, except precious—Continued.												
Copper—Continued.												
Old and clippings for remanufacture ..... 1,000 lbs.	9,334	10,042	10,633	13,598	7,499	5,100	953	1,088	698	1,823	836	278
Composition metal, copper chief value ..... do	1,322	183	216	80	82	33	176	26	32	12	8	2
Copper manufactures, n. e. s.							113	194	222	253	239	118
Brass, and bronze, and manufactures							4,889	3,427	4,371	4,926	2,550	1,441
Old, brass, etc., for remanufacture ..... 1,000 lbs.	49,147	9,993	12,151	14,062	7,145	4,423	3,764	822	1,015	1,372	536	215
Brass manufactures							528	1,406	1,941	2,027	1,077	598
Bronze manufactures							597	1,198	1,414	1,527	937	628
Lead (lead content)[29] ..... 1,000 lbs.	222,701	267,460	314,025	238,294	158,235	108,008	11,411	15,181	15,506	13,468	9,049	3,605
Ore, matte, and bullion—												
Ore and matte (lead content) ..... do	57,975	78,151	51,830	62,661	78,754	41,776	2,825	4,409	2,885	3,479	4,236	1,413
Bullion or base bullion (lead content) ..... 1,000 lbs.	130,812	178,695	256,935	166,142	77,261	64,640	6,796	9,212	11,563	8,677	3,986	1,616
Pigs, bars, old and scrap[30] ..... do	30,088	6,005	1,323	3,315	419	20	1,506	420	96	145	22	2
Babbitt metal, solder, etc. (lead content)[31] ..... 1,000 lbs.		1,345	850	1,326	1,060	620		684	570	777	593	437
Manufactures of lead, n. e. s. (except type metal)							84	180	198	209	168	109
Type metal and antimonial lead: gross weight ..... 1,000 lbs.	[10] 6,009	3,965	3,991	5,441	881	1,120	[1] 332	276	193	181	44	28
Type metal and antimonial lead: lead content ..... do	4,317	3,265	3,087	4,850	741	952						
Nickel							5,232	13,004	14,363	19,419	12,872	7,680
Ore and matte ..... 1,000 lbs.	8,195	18,709	18,589	28,981	20,593	11,630	820	1,747	1,470	2,122	2,940	1,531
Nickel and alloys in pigs, etc. ..... do		42,068	48,996	64,421	38,323	23,862	4,411	10,794	12,346	16,448	9,600	6,060
Nickel oxide ..... do		1,772	1,743	3,265	1,353	305		276	253	495	210	48
Nickel in bars, plates, sheets, etc., and manufactures								187	294	354	122	41
Tin—												
Ore (tin content) ..... tons of 2,240 lbs.	5,812	194	130	128	289	30	2,703	116	69	67	177	7
Bars, blocks, pigs, etc. ..... 1,000 lbs.	132,173	176,571	174,654	195,165	180,844	147,984	56,522	88,943	86,983	91,839	60,234	36,724
Zinc—												
Ore (zinc content) ..... do	10,537	26,657	3,409	28,822	51,776	1,560	462	1,118	169	1,127	1,990	40
Blocks, pigs, etc., and old ..... do	2,745	262	6	451	694	549	117	12	[28]	22	28	15
Zinc dust and other manufactures							144	106	141	153	93	25
Antimony—												
Ore: gross weight ..... 1,000 lbs.		5,839	7,824	6,323	2,922	28,030	33	268	313	231	226	260
Ore: antimony content ..... do	1,127	3,394	4,369	3,729	1,726	9,726						
Needle, liquidated, regulus, or metal ..... do	18,079	24,146	22,698	26,860	17,012	10,391	1,086	2,173	1,820	1,831	903	445

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Cobalt ore and metal	do	176	711	643	1,241	660	249	352	1,138	1,173	1,795	1,603	263
Quicksilver or mercury	1,000 lbs	[1] 1,395	1,295	1,169	1,086	224	27	[1] 915	1,495	1,572	1,447	296	33
Other ores, metals, and alloys, n. e. s								566	794	934	1,152	517	255
Manufactures of metals, n. e. s								6,075	5,096	4,093	4,475	3,027	2,840
G. Precious metals, jewelry, and plated ware, except gold and silver in ore, bullion, and coin								17,617	19,308	19,523	18,749	11,308	6,283
Gold and silver sweepings								429	259	333	289	262	167
Platinum	oz. troy	[1] 96,244	114,667	108,447	115,221	106,155	91,728	8,400	8,432	7,693	7,149	4,325	2,589
Ores of platinum metal (platinum content)	oz. troy		494	686	564		1,097		43	49	43		27
Grains, nuggets, sponge or scrap	do		82,269	78,309	74,063	81,229	67,078		5,858	5,295	4,466	3,364	1,905
Ingots, bars, sheets or plates, etc	do		31,904	29,362	40,594	24,926	23,553		2,531	2,349	2,640	961	657
Platinum metals and native combinations—													
Iridium	oz. troy		4,163	4,212	4,470	4,196	1,773		631	672	888	665	196
Osmium and osmiridium	do	17,255	6,896	6,095	7,977	6,754	5,837	1,424	469	439	462	385	275
Palladium	do		14,168	13,463	24,364	18,506	28,070		395	408	532	354	390
Rhodium and ruthenium	do		2,706	2,977	3,031	3,610	2,224		106	139	88	107	80
Jewelry								1,631	2,950	3,921	4,857	2,345	944
Metal articles for personal use and adornment								[1] 769	1,359	1,569	737	503	272
Manufactures of gold and silver, n. e. s.—													
Lahn, tinsel threads, bullion, etc	1,000 lbs		1,263	1,169	859	350	329	4,338	1,353	1,092	793	377	219
Braids, fabrics, laces, etc									1,827	1,628	1,184	725	343
All other, including plated articles								934	1,529	1,630	1,771	1,262	808
GROUP 7.—MACHINERY AND VEHICLES													
Total								17,768	31,283	29,750	42,202	30,484	16,724
A. Electrical machinery and apparatus								1,755	2,794	2,770	2,664	2,983	2,911
Electric lamps—Incandescent—													
Carbon filament	thousands	16,234	27,624	33,236	39,777	13,607	1,599	565	1,023	1,077	1,237	491	55
Other	do		9,546	3,422	4,491	29,552	68,513	637	340	155	140	779	1,370
Other electrical machinery and apparatus								[1] 895	1,431	1,538	1,287	1,712	1,486
B, C, D. Industrial, office, and printing machinery								11,398	18,604	18,713	24,837	16,566	7,988
Engines and parts n. e. s								[1] 641	584	903	1,113	549	295
Metal-working machine tools and parts								320	773	569	1,458	901	268
Textile machinery								5,849	6,068	5,090	8,452	4,981	1,898
Embroidery, lace, and lace-curtain machines and parts								[1] 75	123	186	152	101	109
Hosiery-knitting machines										2,513	4,705	2,462	634
Other knitting, braiding, and insulating machines and parts								[1] 1,525	3,547	262	490	374	126

[1] Average for years 1923–1925.
[10] 1925 only.
[28] Less than 500.
[29] Not including pounds of "lead manufactures, n. e. s."
[30] "Pigs and bars" prior to Jan. 1, 1927.
[31] "Scrap lead, Babbitt metal, solder, etc.," prior to Jan. 1, 1927.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 7.—MACHINERY AND VEHICLES—Continued												
B, C, D. Industrial, office, etc., machinery—Contd.												
Textile machinery—Continued.												
Cotton-manufacturing machinery and parts							[5] 262	413	511	528	318	130
Wool-manufacturing machinery and parts								368	449	404	327	148
Other textile machinery and parts							[7] 4,213	1,616	1,169	2,173	1,398	751
Sewing machines and parts							495	445	505	475	329	174
Antifriction balls, rollers, and bearings ..1,000 lbs.	[1] 895	1,267	1,245	1,657	1,120	547	708	1,039	997	1,416	817	392
Cream separators, over $50 each, and other centrifugal machines and parts								[3] 86			[3] 86	147
Other industrial, office, and printing machinery							4,002	9,678	10,648	11,922	8,902	4,814
E. Agricultural machinery and implements							2,592	6,670	4,839	9,545	8,545	8,267
Cream separators, not over $50 each..number	[1] 20,156	27,554	27,159	41,835	15,182	4,624	517	597	531	849	292	74
Plows and cultivators.....do	[1] 3,419	6,632	9,728	3,455	4,416	1,435	[1] 212	543	819	364	353	129
Headers, harvesters, and reapers.....do		[6] 651		1,153	149	123		[6] 465		877	53	100
All other, including agricultural vehicles							1,947	5,343	3,489	7,454	7,847	2,964
F. Automobiles and other vehicles, except agricultural							2,023	3,165	3,428	5,151	2,389	2,479
Automobiles and chassis.....number	628	694	566	750	708	736	897	1,168	1,201	1,190	875	769
Bodies and parts of automobiles, except tires								1,341	1,598	2,252	983	465
Other vehicles and parts							1,126	656	629	1,710	532	1,245
GROUP 8.—CHEMICALS AND RELATED PRODUCTS												
Total							112,100	132,811	143,234	144,062	112,070	82,738
A. Coal-tar chemicals							16,058	21,370	23,907	22,824	16,273	11,164
Coal-tar products, crude—												
Dead or creosote oil.....1,000 gals.	62,713	83,608	88,385	79,301	66,922	36,885	8,701	11,802	13,928	10,119	7,806	3,598
Other crude coal-tar products							888	1,403	1,323	2,051	1,376	793
Intermediates—												
Acids.....1,000 lbs.	297	1,415	2,946	1,973	825	817	77	159	328	160	53	80
All other intermediates.....do	2,257	1,525	1,445	1,989	1,423	875	581	1,035	999	1,486	1,022	599
Finished products—												
Colors, dyes, stains, color acids, and color bases, n. e. s.....1,000 lbs.	4,164	5,863	6,255	7,611	4,952	4,944	5,531	6,492	6,881	8,470	5,284	5,512

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Coal-tar medicinals	do	[2] 100	108	113	153	72	39	242	270	209	332	273	252
Other finished coal-tar products	do		85	104	108	150	101	40	210	241	205	458	330
B. Medicinal and pharmaceutical preparations								**4,617**	**5,573**	**5,179**	**6,422**	**4,948**	**3,972**
Quinine sulphate	1,000 oz	3,453	1,805	1,802	2,472	1,253	1,499	1,436	668	644	855	449	498
All other quinine and other alkaloids and salts from cinchona bark	1,000 oz		1,125	844	1,325	877	755		403	341	442	333	292
Other alkaloids and salts of								546	240	263	449	276	136
Menthol	1,000 lbs	[5] 244	337	254	296	308	326	[5] 2,172	1,469	924	1,232	1,017	878
Antitoxins, serums, vaccines, etc., and blistering insects								[1] 15	6	3	2	5	3
Other medicinals								825	486	615	655	282	145
All other preparations, n. e. s								1,232	2,300	2,389	2,786	2,585	2,020
C. Industrial chemicals								**23,186**	**27,000**	**24,165**	**30,698**	**23,321**	**17,215**
Acetylene, butylene, ethylene, and propylene derivatives	1,000 lbs		[3] 282			[3] 282	567		[3] 29			[3] 29	73
Acids and anhydrides—													
Arsenious acid or white arsenic	1,000 lbs	[1] 18,880	22,124	22,306	26,314	21,559	15,581	[1] 1,551	781	775	956	744	451
Formic	do	[1] 1,436	1,937	2,254	1,387	510	140	[1] 107	143	175	109	37	8
Oxalic	do	2,185	1,244	890	1,346	574	489	159	64	46	71	31	26
Sulphuric (oil of vitriol)	do	[1] 25,047	26,852	26,328	16,208	918	2,344	[1] 190	160	161	97	6	22
Tartaric	do	[1] 3,074	2,263	1,913	2,220	2,912	2,246	[1] 654	611	612	689	779	477
Acetic or pyroligneous	do		[6] 25,806		29,235	22,377	15,292		[6] 1,808		2,117	1,948	803
All other	do		10,430	21,928	1,800	2,330	1,332	1,048	953	1,783	380	325	235
Alcohols, including fusel oil								541	379	202	276	32	11
Ammonium compounds—													
Chloride (muriate)	1,000 lbs	7,955	11,461	11,024	9,561	6,628	5,672	393	394	339	298	208	162
Nitrate	do	[1] 11,512	10,079	13,172	9,496	8,165	6,706	[1] 683	395	526	349	264	192
All other	do	[1] 2,319	1,201	1,439	974	661	526	[1] 104	60	74	50	39	30
Barium compounds	do	[1] 14,039	13,772	14,877	8,151	6,706	4,186	[1] 317	203	226	138	98	95
Calcium compounds, n. e. s.[33]	do	35,120	6,915	2,527	3,773	1,978	413	1,282	265	92	141	76	15
Cellulose compounds, n. e. s	1,000 lbs		[3] 353			[3] 353	263		[3] 228			[3] 228	281
Cobalt oxide	do		[1] 258	394	364	476	426	322	[1] 500	737	693	885	769	391
Copper sulphate (blue vitriol)	do	[5] 2,836	3,901	3,612	5,389	5,964	2,644	[5] 128	187	172	273	283	105
Lime—													
Chlorinated, or bleaching powder	do	5,147	2,961	3,167	2,791	2,370	2,017	107	76	80	77	64	60
Citrate of	do	4,916	[33] 1,768					635	[33] 178				
Glycerin	do	11,765	21,122	9,126	20,345	14,382	12,107	1,306	2,669	805	1,365	924	668
Crude	do		14,717	4,916	14,852	11,185	10,131		1,617	356	864	652	526
Refined	do		6,406	4,210	5,493	3,177	1,976		1,051	449	501	272	142
Iodine, crude	do	304	696	721	627	494	279	847	2,330	2,429	2,249	1,798	998
Magnesium compounds	do	[5] 24,425	19,446	17,311	17,928	10,942	11,926	[5] 205	222	200	231	172	198
Potassium compounds—													
Cyanide	do	2,908	158	116	137	91	94	246	47	44	54	32	34
Carbonate	do	8,530	16,502	16,912	22,644	18,241	15,167	368	759	1,024	848	664	

[1] Average for years 1923–1925.
[2] June 18 to Dec. 31, 1930.
[3] Average for years 1924 and 1925.
[6] Average for years 1929 and 1930.
[7] Average for years 1922–1925.
[33] Acetate, carbide, chloride, crude, and nitrate for 1921 and 1922 and acetate, crude, and chloride for 1923.
[33] Average for years 1926 and 1927.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 8.—CHEMICALS AND RELATED PRODUCTS—Con.												
C. Industrial chemicals—Continued.												
Potassium compounds—Continued.												
Hydroxide (caustic potash)[34]—1,000 lbs.	12,065	12,870	11,648	15,648	9,323	8,629	675	773	686	1,001	493	452
Nitrate, crude, or saltpeter—tons of 2,240 lbs.	4,336	9,800	9,674	12,800	12,799	15,509	274	459	376	546	620	708
Bitartrate, crude, argols, or wine lees—1,000 lbs.	20,054	19,890	12,890	18,001	18,082	19,314	1,436	1,872	1,331	2,113	1,836	1,605
Cream of tartar—do	[2] 932	190	159	181	60	93	[3] 108	33	32	29	11	16
Chlorate and perchlorate—do	[3] 9,650	13,624	13,130	13,956	15,106	12,416	[3] 395	495	481	498	541	439
Other potassium compounds, n. e. s.—do	12,152	11,320	12,040	19,393	3,943	7,067	830	553	581	825	251	341
Sodium compounds—												
Cyanide—do	22,802	33,686	37,577	40,047	26,401	18,695	1,982	2,668	2,930	3,199	2,043	1,711
Ferrocyanide (yellow prussiate)—do	[1] 1,979	1,551	1,625	1,940	1,590	1,185	[1] 190	128	136	168	137	102
Nitrite—do	[1] 3,745	540	108	312	61		[1] 156	20	4	12	3	
All other, n. e. s.							1,231	1,951	1,725	2,987	2,129	1,480
Radium salts—grains		[2] 198	169	165	260	207		608	566	579	925	731
All other industrial chemicals							6,822	5,165	5,116	6,912	5,046	3,631
D. Pigments, paints, and varnishes							**3,080**	**3,556**	**3,766**	**3,823**	**2,613**	**2,012**
Mineral earth pigments—												
Iron oxide and iron hydroxide pigments—1,000 lbs.		23,801	25,491	24,441	17,038	12,087		567	607	599	375	255
Ochers and siennas—do	[1] 20,273	19,965	21,499	22,034	14,576	11,995	[1] 290	392	433	416	274	191
Other[35]							1,323	510	508	601	368	420
Chemical pigments—												
Lithopone and other zinc pigments—1,000 lbs.	19,319	19,177	22,681	19,578	15,042	11,354	871	886	1,041	957	670	429
All other							[1] 593	534	561	538	469	440
Paints, stains, and enamels							[1] 428	608	565	650	405	246
Varnishes—1,000 gals.	[1] 24	32	29	35	33	14	[1] 68	57	50	61	51	31
E. Fertilizers and materials—1,000 tons of 2,240 lbs.	**1,609**	**2,142**	**2,535**	**2,310**	**1,965**	**1,430**	**56,865**	**67,538**	**78,118**	**72,340**	**59,151**	**44,733**
Nitrogenous—												
Calcium cyanamide or lime nitrogen—tons of 2,240 lbs.	59,990	132,442	135,727	184,260	144,522	51,314	3,049	4,862	4,685	6,221	4,874	1,537
Calcium nitrate—do	[1] 8,223	26,143	23,315	31,684	43,871	28,761	[1] 347	1,052	1,012	1,257	1,560	927
Sodium nitrate—do	780,430	839,008	1,032,911	930,458	568,594	550,613	37,158	33,252	36,991	34,913	21,445	21,112
Ammonium-sulphate nitrate—do		[15] 38,249	83,913	16,284	8,141	3,193		[15] 2,175	4,793	884	391	176
Guano—do	[4] 14,801	28,783	22,584	45,905	40,431	13,849	[4] 525	1,247	1,047	2,203	1,656	504
Dried blood—do	[4] 7,279	10,804	9,511	9,773	11,333	8,835	[4] 415	679	667	696	627	359
Tankage[36]—do	[5] 25,888	[21] 28,120	43,461	20,779			[5] 847	[21] 1,002	1,286	814		
Sulphate of ammonia—do	8,574	24,040	42,066	18,812	33,784	114,285	479	1,003	1,845	763	1,159	3,196
All other—do	[7] 70,920	77,510	82,270	69,039	110,881	56,220	[7] 2,181	2,562	2,476	2,655	3,959	2,099

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Phosphates—												
Bone ash, dust, and meal and other animal carbon for fertilizers.....tons of 2,240 lbs.	31,470	59,864	82,459	55,877	50,680	48,979	965	1,717	2,567	1,624	1,475	1,080
Other phosphate materials.....do	[1] 15,061	41,056	50,388	48,937	36,631	21,743	[1] 199	461	501	525	434	291
Potash fertilizers—												
Chloride, crude (muriate of potash)...do	131,597	220,168	253,611	230,966	273,256	180,539	4,722	7,654	8,182	8,225	9,930	6,518
Sulphate, crude.....do	55,406	78,200	86,458	79,510	86,257	56,842	2,257	3,455	3,908	3,648	3,947	2,628
Kainite.....do	144,175	115,972	107,051	75,930	112,013	55,329	1,104	908	887	644	979	505
Manure salts.....do	222,685	350,349	404,680	390,828	361,799	179,428	2,315	4,496	5,251	5,113	5,048	2,583
Other potash-bearing substances.....do	[1] 34,295	13,943	10,756	675	547	488	[1] 404	217	330	9	5	4
Fertilizers, compounded or chemically combined, containing nitrogen, phosphoric acid, and potash.....tons of 2,240 lbs.		[2] 7,098	4,122	5,066	12,106	10,944		[2] 495	249	381	854	645
All other fertilizers.....do	59,441	66,673	79,787	94,992	61,299	48,896	1,598	1,134	1,441	1,765	806	569
F. Explosives							918	1,022	979	960	911	566
Powder and other explosives							[1] 133	146	119	133	105	132
Firecrackers.....1,000 lbs.		[2] 4,272	4,184	4,023	4,609	2,614	[1] 746	782	780	748	754	396
Fireworks and ammunition							[1] 101	94	80	79	51	38
G. Soap and toilet preparations							7,076	6,739	7,121	6,988	4,785	3,064
Soap—												
Castile.....1,000 lbs.	1,938	3,018	3,403	3,606	3,664	2,754	234	361	427	419	347	254
Toilet.....do	2,793	1,755	2,012	2,039	1,854	1,324	538	552	575	651	556	376
All other.....do		1,933	1,705	1,385	1,504	1,604		214	183	193	179	184
Perfumery, bay rum, and toilet water							6,304	1,659	1,615	1,503	986	719
Perfume materials								3,228	3,576	3,296	2,142	1,101
Bath salts.....1,000 lbs.		[3] 38			[3] 38	27		[3] 11			[3] 11	7
Cosmetics, powders, creams, etc								721	746	925	563	423
GROUP 9.—MISCELLANEOUS												
Total							153,145	186,151	187,218	220,485	173,344	120,091
A. Photographic goods							6,442	5,729	6,016	7,159	3,959	3,183
Cameras and parts							387	453	354	645	573	640
Sensitized films, not exposed—												
Other than motion picture							4,356	3,444	3,638	4,395	1,677	144
Motion picture.....1,000 lin. ft.						151,552						1,133
Film negatives for motion pictures.....do	2,391	2,424	2,576	2,943	2,580	2,295	766	335	309	378	368	208
American films exposed abroad (negatives, undeveloped).....1,000 lin. ft.		[3] 37			[3] 37	329		[3] 5			[3] 5	29
Film positives.....do	5,997	4,542	5,243	4,918	4,894	6,148	289	195	214	180	225	217
Other films and dry plates							88	227	230	261	599	213
Photographic paper.....1,000 lbs.	2,689	3,819	4,358	4,596	2,931	2,415	556	1,073	1,272	1,300	858	599

[1] Average for years 1923–1925.
[2] Average for years 1928–1930.
[3] June 18 to Dec. 31, 1930.
[4] Average for years 1921, 1924 and 1925.
[5] Average for years 1924 and 1925.
[7] Average for years 1922–1925.
[13] Average for years 1927–1930.
[21] Average for years 1926–1929.
[34] "Hydrate" prior to Sept. 22, 1922.
[35] All paints, colors, and varnishes, except zinc pigments prior to Sept. 22, 1922.
[36] Classified as an indelible animal product beginning 1931.

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No. 506.—General Imports of Merchandise by Commodity Groups and Articles—Continued

Group and article	Quantity						Value in thousands of dollars					
	1921–1925	1926–1930	1928	1929	1930	1931	1921–1925	1926–1930	1928	1929	1930	1931
GROUP 9. MISCELLANEOUS—Continued												
B. Scientific and professional instruments, apparatus, and supplies, n. e. s.							2,135	3,319	3,380	4,074	3,087	2,060
Optical goods—												
Opera and field glasses.....thousands		268	301	212	132	72		515	527	700	452	262
Other optical instruments and parts							1,377	1,127	1,133	1,294	867	608
Spectacles, eyeglasses, and parts								165	193	212	112	21
Dental and surgical instruments							[1] 480	632	639	854	638	475
Philosophical and scientific, etc., instruments and apparatus							469	881	889	1,014	1,018	694
C. Musical instruments							3,788	4,498	4,318	4,503	3,673	3,255
Pianos and organs							[1] 205	271	227	363	191	165
Phonograph and similar articles and parts							533	484	499	418	213	113
Band instruments and violins							[1] 657	669	769	760	638	489
Other instruments, parts, and accessories							2,739	3,073	2,823	2,961	2,631	2,488
E. Toys, athletic, and sporting goods							8,081	6,722	6,449	7,349	6,132	5,147
Toys—												
Dolls and parts							1,323	1,033	970	1,358	1,054	858
Other toys							5,143	3,491	3,288	3,771	3,188	2,857
Dice, dominoes, chips, etc							[1] 124	109	114	126	119	171
Athletic and sporting goods—												
Fishing rods, reels, hooks, bait, etc							456	450	407	601	499	319
Golf balls.....thousands	[1] 3,733	2,691	2,643	2,550	1,841	1,264	[1] 1,316	1,013	1,043	807	602	388
Other balls for games.....do		920	962	876	1,089	2,751		109	111	124	103	162
Other athletic sporting goods							[7] 369	516	516	563	567	392
F. Firearms							[8] 646	583	550	795	573	305
G. Books and other printed matter							9,408	14,210	14,422	15,697	13,349	9,969
Books and pamphlets in foreign languages								1,931	1,665	1,967	2,239	1,881
Books, maps, music, etc., 20 years old								3,268	3,876	4,196	3,044	1,803
Other books, etc. (free)							8,019	2,558	2,163	2,578	2,690	1,973
Books, pamphlets, and music, n. e. s.								4,530	3,859	4,191	3,875	3,086
Maps, charts, and other printed matter, n. e. s.									787	763		
Lithographic prints—												
Cigar bands, labels, and flaps.....1,000 lbs	828	169	206	145	87	108	612	200	254	179	105	110
Decalcomanias.....do		405	464	426	340	275		557	612	579	474	358
All other							776	1,166	1,207	1,244	922	758
H. Clocks, watches, etc							11,807	13,892	13,245	16,922	8,681	4,089
Chronometers, clocks, and parts							833	1,066	1,266	1,317	541	260
Chronometers and clocks.....number		[6] 186,252		231,939	140,564	76,508		[5] 625		808	443	175
Clock cases, parts, and materials								[8] 304		509	98	85
Watches and watch movements...thousands	2,063	3,958	3,682	5,146	2,423	893	6,444	9,726	9,266	11,717	5,902	2,975
Cases, dials, and parts of watches, n. e. s.							3,480	1,585	1,592	2,263	1,064	399

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Jewels for watches, clocks, meters, etc							[1] 1,452	1,120	618	973	981	382
Recorders, meters, regulators, and similar instruments, and parts, n. s. p. f							[1] 189	395	502	652	193	73
I. Art works							**31,222**	**65,381**	**65,753**	**82,108**	**65,159**	**38,494**
The production of American artists							218	250	163	324	198	173
Original paintings, statuary, etc							6,787	13,749	15,345	19,198	14,151	7,446
Statuary, regalia, etc., for religious or educational purposes							838	1,507	1,514	1,472	1,317	969
Works of art produced before 1830							22,324	47,764	46,914	58,839	46,773	27,501
Works of art for exhibition, presentation to public institutions, etc							709	1,411	1,136	1,519	1,898	1,756
All other art works							347	699	682	754	822	650
J. Miscellaneous articles, n. e. s							**79,003**	**71,023**	**71,985**	**81,122**	**68,255**	**53,409**
Buttons—												
Pearl or shell—1,000 gross		950	1,049	830	957	954	1,411	449	489	436	436	432
Agate, horn, and glass—do		4,013	4,025	6,986	1,389			684	692	1,012	296	
All other								280	193	196	269	423
Matches—												
In boxes containing not more than 100 matches—1,000 gross		6,431	5,564	10,577	4,061	2,528	1,963	2,244	2,090	3,405	1,434	1,136
All other								32	25	30	18	299
Beads and bead ornaments—												
Imitation pearl beads							9,459	1,403	1,449	1,604	791	593
Other beads								2,796	3,292	4,388	3,839	3,668
Fabrics and articles, chief value beads								814	493	404	286	568
Pipes and smokers' articles							1,367	1,569	1,366	1,327	803	532
Brushes—												
Tooth—1,000 doz	4,190	1,554	986	3,929	1,174	1,125	2,188	727	522	1,763	533	420
Other toilet—do		408	467	308	272	657		497	529	488	378	392
Other brushes—do		3,988	4,325	4,846	4,347	4,156		648	572	555	441	338
Pyroxylin products, celluloid, pyralin, etc							1,217	2,509	2,755	2,713	1,500	957
Pencils, crayons, leads, etc							529	831	857	1,316	593	619
Pens and penholders							381	353	342	447	216	242
All other dutiable articles							4,930	6,771	7,747	8,400	5,050	3,129
Household and personal effects, etc., of persons arriving in the United States							9,173	7,621	7,025	7,399	7,447	5,536
Articles, imported under bond, for export within 6 months							3,837	5,586	5,349	6,373	5,812	4,304
Articles the growth, produce, or manufacture of the United States, returned—												
Automobiles—number	[4] 1,409	286	263	465	332	268	2,524	358	286	618	323	203
Containers							37,746	4,936	4,833	5,409	4,356	3,622
All other								27,629	29,048	29,272	31,946	25,189
K. Articles in Group 9, ordinarily dutiable, imported free							1,001	796	1,101	760	476	345
All other free articles							2,277	2,284	2,032	3,567	1,487	807

[1] Average for years 1923–1925.
[4] Average for years 1921, 1924, and 1925.
[5] Average for years 1924 and 1925
[6] Average for years 1929 and 1930.
[7] Average for years 1922–1925.

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No. 507.—REEXPORTS OF FOREIGN MERCHANDISE, 1931

NOTE.—**Values in thousands of dollars.** Group totals are for all items in the group, only the most important of which are listed. For weights of bushel and barrel see p. 808. Tons are of 2,240 pounds

Article	Quantity	Value
Grand total		46,807
Group 00—Animals and animal products, edible		1,444
Meats	M pounds	4,506	405
Sausage casings	do	214	57
Milk, condensed, etc	do	958	242
Cheese	do	192	51
Fish	do	4,605	524
Shellfish	do	1,888	283
Eggs, frozen, dried, etc	do	525	121
Group 0.—Animals and animal products, inedible		5,312
Hides and skins, except fur skins (total)	M pounds	4,509	759
Cattle hides	do	3,425	363
Calfskins	do	124	28
Goatskins	do	343	94
Sheepskins	do	409	93
Leather			908
Leather manufactures			142
Furs:			
Undressed	thousands	2,905	1,805
Dressed	do	479	574
Manufactures of fur			409
Bristles	M pounds	553	471
Shells, unmanufactured	do	241	71
Sponges	do	45	37
Group 1.—Vegetable food products and beverages		7,669
Grains and preparations (total)			124
Rice, cleaned	M pounds	3,307	85
Wheat	M bushels	15	13
Wheat flour	M barrels	1	4
Vegetables (total)			1,599
Beans	M bushels	194	305
Peas	do	312	1,191
Fruits, (total)			1,571
Bananas	M bunches	838	1,206
Pineapples	M boxes	46	100
Dates	M pounds	555	28
Nuts (total)			312
Cream and Brazil	M pounds	621	59
Walnuts	do	626	96
Peanuts	do	3,080	102
Cacao beans	do	8,323	583
Coffee	do	11,983	1,635
Tea	do	415	149
Spices (total)			321
Nutmegs	M pounds	72	10
Pepper	do	422	53
Vanilla beans	do	56	68
Sugar	do	27,727	559
Group 2.—Vegetable products, inedible, except fibers and wood		7,508
Rubber, crude	M pounds	57,332	4,256
Balata	do	115	27
Gum, resins, etc. (total)	M pounds	1,974	288
Shellac	do	472	91
Other varnish gums, resins	do	458	48
Vegetable drugs	do	855	199
Copra	do	26,890	728
Other oil seeds	do	6,987	198
Oils expressed (total)	do	12,326	735
Tung oil	do	4,643	305
Coconut oil	do	1,080	45
Palm and palm-kernel oil	do	1,958	95
Vegetable wax	do	622	86
Essential oils	do	103	143
Dyeing and tanning materials of vegetable origin	M pounds	651	48
Seeds, except oil seeds	do	346	46
Group 2.—Vegetable products, inedible, except fibers and wood—Continued.			
Tobacco (total)	M pounds	590	495
Cigar wrapper leaf	do	228	290
Other leaf	do	343	193
Vegetable ivory (tagua nuts)	do	5,629	150
Group 3.—Textiles			13,251
Cotton (total)			1,622
Unmanufactured	M pounds	10,150	989
Cloth	M sq. yds	177	82
Wearing apparel			166
Burlaps	M pounds	757	56
Jute bags	do	1,211	93
Manufactures of flax, hemp, or ramie			258
Manila, or abaca	tons	2,453	291
Sisal and henequen	do	14,182	1,280
Kapok		182	51
Hat braid of straw or fiber	M yds	91,962	562
Hats of straw, palm leaf, or other fiber	thousands	1,032	603
Wool (total)	M pounds	1,782	494
Carpet wool	do	563	119
Clothing wool	do	64	15
Combing wool	do	462	100
Mohair, alpaca, etc	do	693	260
Wool manufactures (total)			1,073
Wool rags, noils, waste	M lbs	497	125
Wool cloths and dress goods	M pounds	155	306
Wool carpets and rugs	M sq. yds	31	262
Hair and manufactures	M pounds	444	71
Silk (total)			5,336
Silk, raw	M pounds	1,838	4,769
Spun silk	do	16	13
Silk fabrics (broad silk)	M pounds	35	114
Silk wearing apparel	do		51
Artificial silk and manufactures			473
Group 4. Wood and paper			599
Wood (total)			212
Paper and manufactures			295
Group 5.—Nonmetallic mineral products			656
Petroleum and products	M barrels	8	45
Mineral wax	M pounds	4,052	208
Asbestos, unmanufactured	ton	762	131
Mica and manufactures	M pounds	88	22
Clay and clay products			85
Group 6.—Metals and manufactures, except machinery and vehicles			2,409
Iron and steel			598
Aluminum, crude, plates, etc.	M pounds	3,595	511
Tin, in bars, blocks, or pigs	M pounds	3,720	958
Group 7.—Machinery and vehicles			655
Electrical machinery and apparatus			105
Textile machinery and parts			61
Other machinery, except agricultural			312
Automobiles and chassis	number		54
Group 8.—Chemicals and related products			326
Chemicals (total)			583
Coal-tar colors or dyes	M pounds	63	112
Medicinal and pharmaceutical preparations			143
Nitrate of soda	M tons	2,154	97
Group 9.—Miscellaneous			5,977
Books, maps, etc			191
Art works, paintings, and statuary			4,305

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23.—COMMERCE OF NONCONTIGUOUS TERRITORIES

GENERAL NOTE.—In the general foreign-trade statistics of the United States presented in the preceding section, the Philippines and Virgin Islands are treated as foreign countries and their trade with the United States is included while their trade with other countries is not included. On the other hand, Puerto Rico Hawaii, and Alaska are treated as integral parts of the United States, so that trade between them and continental United States is not included, while trade between them and foreign countries is included; each of these three territories appears as a separate customs district (Table 497). Neither trade of American Samoa and Guam with foreign countries nor shipments between them and United States are included in the general tables on foreign trade. See also Table 476, p. 431.

The tables in this section present the total foreign trade of each of the United States territories and possessions and show separately the trade with Continental United States (unless otherwise indicated) and with foreign countries, including other United States territories and possessions.

No. 508.—IMPORTS AND EXPORTS OF ALASKA

NOTE.—In 1931 Alaska shipped domestic silver valued at $89,583 and foreign gold valued at $240,010 to the United States

Yearly average or year ended—	Merchandise imports			Merchandise exports			Shipments domestic gold to United States
	From United States [1]	From other countries	Total	To United States	To other countries	Total	
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1882–1885	680, 250	9, 198			24, 955		
1886–1890	1, 455, 600	23, 697			8, 748		
1891–1895	2, 422, 600	42, 539			15, 526		
1896–1900	9, 843, 000	185, 182			135, 069		
1901	13, 457, 000	557, 992			2, 534, 318		
1902		511, 830			2, 612, 021		
1903	9, 509, 701	477, 463	9, 987, 164	10, 228, 569	1, 612, 128	11, 840, 697	
1904	10, 165, 110	607, 355	10, 772, 465	10, 165, 140	1, 565, 690	11, 730, 830	6, 347, 742
1905	11, 504, 255	1, 450, 910	12, 955, 165	10, 801, 446	1, 088, 165	11, 889, 611	9, 059, 023
1906	14, 869, 827	845, 291	15, 715, 118	9, 272, 337	1, 377, 398	10, 649, 735	12, 638, 608
1907	18, 402, 765	1, 134, 191	19, 536, 956	12, 155, 198	1, 489, 686	13, 644, 884	18, 564, 228
1908	16, 577, 903	776, 974	17, 354, 877	10, 967, 777	1, 857, 905	12, 825, 682	11, 490, 777
1909	17, 762, 600	647, 331	18, 409, 931	13, 110, 910	961, 101	14, 072, 011	17, 782, 493
1910	18, 670, 339	619, 348	19, 289, 687	12, 440, 380	1, 168, 014	13, 608, 394	18, 393, 128
1911	16, 205, 730	706, 171	16, 911, 901	14, 055, 329	1, 136, 745	15, 192, 074	15, 153, 671
1912	19, 417, 227	563, 503	19, 980, 730	21, 778, 064	1, 010, 072	22, 788, 136	17, 250, 019
1913	20, 827, 262	982, 271	21, 809, 533	24, 634, 987	1, 477, 991	26, 112, 978	14, 576, 015
1914	22, 461, 723	567, 399	23, 029, 122	21, 817, 408	1, 124, 239	22, 941, 647	12, 291, 672
1915	21, 260, 042	640, 886	21, 900, 928	27, 442, 335	1, 001, 389	28, 443, 724	15, 348, 666
1916	27, 086, 288	1, 066, 612	28, 152, 900	49, 468, 186	1, 426, 362	50, 894, 548	16, 195, 635
1917	38, 992, 049	1, 469, 524	40, 461, 573	60, 773, 859	2, 474, 894	63, 248, 753	15, 409, 529
1918	44, 280, 075	967, 532	45, 247, 607	71, 595, 414	2, 462, 470	74, 057, 884	12, 416, 660
Dec. 31:							
1918 (6 mos.)	11, 678, 122	863, 515	12, 541, 637	62, 992, 202	763, 285	63, 755, 487	6, 671, 848
1919	37, 476, 232	1, 449, 362	38, 925, 594	60, 479, 548	1, 542, 249	62, 021, 797	8, 105, 005
1920	36, 876, 855	1, 512, 118	38, 388, 973	60, 939, 061	1, 530, 035	62, 469, 096	6, 543, 313
1921	19, 274, 215	935, 013	20, 209, 238	36, 916, 924	1, 445, 042	38, 361, 966	6, 543, 430
1922	26, 777, 806	870, 927	27, 648, 733	51, 082, 995	1, 371, 490	52, 454, 485	6, 640, 978
1923	30, 631, 366	514, 466	31, 145, 832	53, 761, 494	1, 325, 773	55, 087, 267	5, 931, 896
1924	32, 046, 273	529, 618	32, 575, 891	54, 974, 168	1, 351, 380	56, 325, 548	4, 602, 746
1925	32, 352, 530	846, 981	33, 199, 511	56, 918, 746	901, 543	57, 820, 289	5, 219, 542
1926	31, 587, 337	543, 683	32, 131, 020	73, 300, 506	521, 881	73, 822, 387	5, 743, 076
1927	35, 604, 108	766, 302	36, 370, 410	51, 348, 688	483, 679	51, 832, 367	5, 394, 107
1928	32, 058, 976	559, 262	32, 618, 238	67, 587, 207	622, 738	68, 209, 945	6, 352, 204
1929	33, 220, 584	954, 273	34, 174, 857	63, 567, 677	607, 017	64, 174, 694	7, 126, 724
1930	31, 303, 291	1, 709, 636	33, 012, 927	48, 996, 962	347, 191	49, 344, 153	7, 631, 737
1931	22, 489, 895	546, 598	23, 036, 493	43, 276, 364	314, 908	43, 591, 272	8, 928, 795

[1] Unofficial estimates of the value of merchandise shipped from Pacific coast ports to Alaska from 1880 to 1901; from 1903 to date, official figures of shipments to Alaska.

Source: Bureau of Foreign and Domestic Commerce.

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No. 509.—IMPORTS AND EXPORTS OF PUERTO RICO

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901–1905	11,055,607	2,200,857	13,256,464	10,485,414	3,743,050	14,228,464
1906	19,224,881	2,602,784	21,827,665	19,142,461	4,115,069	23,257,530
1907	25,686,285	3,580,887	29,267,172	22,070,133	4,926,167	26,996,300
1908	22,677,376	3,148,289	25,825,665	25,891,261	4,753,209	30,644,470
1909	23,618,545	2,925,781	26,544,326	26,394,312	3,996,913	30,391,225
1910	27,097,654	3,537,201	30,634,855	32,095,897	5,864,617	37,960,514
1911	34,671,958	4,115,039	38,786,997	34,765,409	5,152,958	39,918,367
1912	38,470,963	4,501,928	42,972,891	42,873,401	6,832,012	49,705,413
1913	33,155,005	3,745,057	36,900,062	40,538,623	8,564,942	49,103,565
1914	32,568,368	3,838,419	36,406,787	34,423,180	8,679,582	43,102,762
1915	30,929,831	2,954,465	33,884,296	42,311,920	7,044,987	49,356,907
1916	35,892,515	3,058,400	38,950,915	60,952,758	5,634,937	66,587,695
1917	49,539,249	4,005,975	53,545,224	73,115,224	7,855,680	80,970,904
1918	58,945,758	4,443,524	63,389,282	65,515,650	8,753,450	74,269,100
Dec. 31:						
1918 (6 months)	25,668,096	1,796,219	27,464,315	31,333,827	3,733,065	35,066,892
1919	67,799,541	5,261,052	73,060,593	78,320,180	11,075,625	89,395,805
1920	121,561,574	7,512,404	129,073,978	158,322,083	16,346,697	174,668,780
1921	60,977,112	7,377,251	68,354,363	71,987,716	6,753,990	78,741,706
1922	57,968,112	6,849,098	64,817,210	60,105,155	5,012,292	65,117,447
1923	76,919,616	7,547,504	84,467,120	80,303,272	5,768,723	86,071,995
1924	78,412,003	9,337,444	87,749,447	77,330,748	7,397,792	84,728,540
1925	77,499,807	11,620,875	89,120,682	92,679,754	7,053,295	99,733,049
1926	84,737,537	12,664,064	97,401,601	90,166,856	7,579,594	97,746,450
1927	86,326,546	11,264,383	97,590,929	96,902,024	7,557,741	104,459,765
1928	81,940,283	13,325,628	95,265,911	97,268,763	6,398,231	103,666,994
1929	75,979,914	11,728,596	87,708,510	78,126,574	5,117,801	83,234,375
1930	74,219,219	10,318,649	84,537,868	99,880,061	4,068,810	103,948,871
1931	60,636,751	7,874,291	68,511,042	87,911,706	3,172,479	91,084,185

No. 510.—IMPORTS AND EXPORTS OF HAWAII

Yearly average or year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901–1905	[1] 11,459,879	3,165,296	[1] 14,778,085	28,029,059	64,698	28,093,757
1906	12,036,675	3,275,242	15,311,917	26,882,199	56,313	26,938,512
1907	14,435,725	4,151,709	18,587,434	29,071,813	229,914	29,301,727
1908	15,038,155	4,682,399	19,720,554	41,640,505	597,640	42,238,145
1909	17,780,778	4,033,574	21,814,352	40,432,945	84,152	40,517,097
1910	20,560,101	4,606,334	25,166,435	46,183,265	306,763	46,490,028
1911	21,925,177	5,190,449	27,115,626	41,207,651	730,642	41,938,293
1912	24,652,905	5,598,444	30,251,349	55,076,070	373,273	55,449,343
1913	30,646,089	6,873,531	37,519,620	42,713,184	758,646	43,471,830
1914	25,773,412	6,282,558	32,055,970	40,678,580	915,245	41,593,825
1915	25,004,764	5,716,023	30,720,787	62,087,250	377,509	62,464,759
1916	31,127,577	6,068,529	37,196,106	64,438,297	226,747	64,665,044
1917	44,330,475	6,482,951	50,813,426	73,174,343	923,747	74,098,090
1918	43,646,515	6,807,048	50,453,563	79,392,926	1,553,700	80,946,626
Dec. 31:						
1918 (6 months)	19,061,246	5,476,008	24,537,254	42,224,209	4,152,299	46,376,508
1919	49,983,869	8,980,704	58,964,573	98,363,015	4,702,103	103,063,118
1920	74,052,453	12,284,592	86,337,045	192,383,185	3,437,699	195,820,888
1921	64,446,173	9,529,755	73,975,928	71,669,115	1,350,483	73,019,594
1922	53,585,740	7,496,913	61,082,653	73,431,301	1,257,268	74,688,569
1923	66,421,393	8,684,804	75,106,197	101,085,642	1,581,164	102,666,806
1924	69,767,693	8,884,223	78,651,916	108,473,292	1,415,911	109,889,203
1925	72,924,409	10,829,509	83,753,918	102,780,509	1,844,782	104,625,291
1926	76,262,624	10,254,565	86,517,189	98,260,941	1,884,079	100,145,020
1927	79,630,089	9,171,815	88,801,904	109,236,321	2,267,714	111,504,035
1928	77,762,940	10,361,293	88,124,233	116,956,090	2,523,745	119,479,835
1929	82,950,789	9,752,667	92,414,091	106,312,833	2,126,270	108,439,103
1930	81,726,404	9,399,645	91,126,049	98,923,737	1,992,046	100,915,783
1931	79,092,457	7,864,499	86,956,866	101,548,555	1,189,280	102,737,835

[1] Average for years 1903, 1904, and 1905.

Source of Tables 509 and 510: Bureau of Foreign and Domestic Commerce.

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No. 511.—IMPORTS AND EXPORTS OF THE PHILIPPINE ISLANDS

Yearly average—year ended—	Merchandise imports			Merchandise exports		
	From United States [1]	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1901-1905	4,245,948	27,652,100	31,898,048	10,179,525	18,394,005	28,573,530
1906	4,333,893	21,465,373	25,799,266	11,579,411	20,337,723	31,917,134
1907	5,155,359	23,630,496	28,785,855	12,079,204	21,634,153	33,713,357
1908	5,079,487	25,838,870	30,918,357	10,323,233	22,493,334	32,816,567
1909	4,691,770	23,100,627	27,792,397	10,215,331	20,778,232	30,993,563
1910	10,775,301	26,292,329	37,067,630	18,741,771	21,122,398	39,864,169
1911	19,483,658	30,350,064	49,833,722	16,716,956	23,061,673	39,778,629
1912	20,604,155	33,945,825	54,549,980	21,517,777	28,802,059	50,319,836
1913	25,387,085	30,940,498	56,327,583	19,848,885	33,834,441	53,683,326
1914	28,571,821	27,439,749	56,011,570	22,047,105	29,190,943	51,238,048
1915	22,394,381	22,085,480	44,479,861	23,001,275	27,913,786	50,915,061
1916	23,804,367	22,169,258	45,973,625	28,638,526	32,825,505	61,464,031
1917	27,516,556	24,466,722	51,983,278	43,125,393	28,589,982	71,715,375
1918	49,799,229	33,964,061	83,763,290	77,010,233	39,604,378	116,614,611
Dec. 31:						
1918 (6 months)	31,949,240	21,671,502	53,620,742	50,920,499	24,518,860	75,439,359
1919	75,491,415	43,147,637	118,639,052	56,453,173	56,664,660	113,117,833
1920	92,289,778	57,148,505	149,838,283	105,216,263	45,907,593	151,123,856
1921	74,130,015	41,708,559	115,838,574	50,356,793	37,758,530	88,115,323
1922	47,738,326	32,459,319	80,197,645	64,111,601	31,471,697	95,583,298
1923	50,352,535	37,447,212	87,799,747	85,047,023	35,705,967	120,752,990
1924	60,399,380	47,611,515	108,010,895	97,313,903	38,030,760	135,344,663
1925	69,297,583	50,435,251	119,732,834	109,044,942	39,832,263	148,877,205
1926	71,575,618	47,723,374	119,298,992	100,003,215	36,881,105	136,884,320
1927	71,478,297	44,373,175	115,851,472	116,038,250	39,535,835	155,574,085
1928	83,858,068	50,798,830	134,656,898	115,585,876	39,468,670	155,054,546
1929	92,592,959	54,567,316	147,160,275	124,465,473	39,981,370	164,446,843
1930	78,183,028	44,909,926	123,092,954	105,342,061	27,825,067	133,167,128
1931	62,139,683	37,039,036	99,178,719	83,422,397	20,549,677	103,972,074

[1] The discrepancy between the United States figures of exports to the Philippines prior to 1911 and the Philippine figures of imports from the United States in corresponding periods is due chiefly to the fact that the Philippine import figures prior to that year omit merchandise imported free of duty for the use of the Government or for use in construction and equipment of railways in the islands, under the act of Feb. 6, 1905, while the United States returns omit only Government supplies carried by Government vessels.

Sources: Reports of the War Department and Annual Report of the Insular Collector of Customs.

No. 512.—IMPORTS AND EXPORTS OF AMERICAN SAMOA

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	100,507	17,787	118,294	62,062	.....	62,062
1917	93,626	16,688	110,314	198,496	.....	198,499
1918	94,334	51,565	145,899	118,520	.....	118,520
Dec. 31:						
1918 (6 months)	66,409	46,033	112,442	136,071	.....	136,071
1919	95,329	87,630	182,959	90,421	.....	90,421
1920	126,185	99,110	225,295	98,213	.....	98,213
1921	127,654	94,833	222,487	117,446	.....	117,446
1922	96,317	100,586	196,586	98,216	.....	98,216
1923	97,396	101,464	198,860	95,164	.....	95,164
1924	91,309	103,053	194,362	102,895	47,385	150,280
1925	92,514	99,898	192,412	26,712	123,621	150,333
1926	231,052	87,088	318,140	78,033	(1)	(1)
1927	120,877	82,491	203,368	40,852	(1)	(1)
1928	106,260	98,490	204,750	179,068	(1)	(1)
1929	113,287	88,684	201,971	166,756	(1)	(1)
1930	142,393	63,667	206,060	140,422	(1)	(1)
1931	103,659	79,788	183,447	60,287	(1)	(1)

[1] Not available.

Source: Returns to the Navy Department.

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No. 513.—IMPORTS AND EXPORTS OF THE VIRGIN ISLANDS

NOTE.—For 1910 to 1917, figures for trade with United States cover years ended June 30, for total trade years ended Mar. 31; thereafter, all figures cover calendar years

Year (see headnote)	Merchandise imports			Merchandise exports		
	From United States [1]	From other countries	Total	To United States [1]	To other countries	Total
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1910	749,174	----------	1,296,774	403,926	----------	469,908
1911	810,537	----------	1,724,826	135,117	----------	543,526
1912	924,700	----------	1,683,072	489,639	----------	548,924
1913	894,087	----------	1,647,356	48,031	----------	282,152
1914	890,966	----------	1,712,103	29,374	----------	331,188
1915	703,354	----------	1,318,769	350,822	----------	378,859
1916	850,377	----------	1,222,509	63,496	----------	260,045
1917	1,438,904	----------	(2)	1,259,607	----------	(2)
1918	1,640,103	252,326	1,892,429	1,137,501	111,845	1,249,346
1919	1,804,117	472,395	2,276,512	1,593,120	326,405	1,919,525
1920	3,993,478	862,619	4,856,097	4,540,386	208,933	4,749,319
1921	2,622,396	416,354	3,038,750	734,674	149,061	883,735
1922	1,647,353	362,598	2,009,951	734,476	101,029	835,505
1923	1,617,625	323,142	1,940,767	414,609	99,433	514,042
1924	1,668,495	360,223	2,028,718	394,085	97,471	461,556
1925	1,915,277	(2)	(2)	1,020,748	(2)	(2)
1926	1,799,444	(2)	(2)	810,410	(2)	(2)
1927	2,053,340	(2)	(2)	968,463	(2)	(2)
1928	2,277,030	(2)	(2)	1,195,314	(2)	(2)
1929	2,298,269	(2)	(2)	603,323	(2)	(2)
1930	1,672,903	(2)	(2)	768,342	(2)	(2)
1931	1,236,568	(2)	(2)	408,932	(2)	(2)

[1] United States customs area.
[2] Not available.

Sources: Total trade, 1910 to 1915, from Danish Yearbook; 1916, from "The Virgin Islands of the United States of America," by Luther K. Zabriski; all other figures from Bureau of Foreign and Domestic Commerce.

No. 514.—IMPORTS AND EXPORTS OF GUAM

Year ended—	Merchandise imports			Merchandise exports		
	From United States	From other countries	Total	To United States	To other countries	Total
June 30:	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
1916	177,163	79,785	256,948	33,306	29,007	62,313
1917	114,301	172,351	286,652	46,972	33,363	80,435
1918	221,241	136,906	358,147	68,742	63,016	131,758
Dec. 31:						
1918 (6 months)	108,460	71,543	180,003	2,901	36,059	38,860
1919	308,465	138,716	447,181	49,222	15,330	64,552
1920	234,960	120,692	355,652	28,432	22,066	50,498
1921	304,111	179,573	483,684	15,566	24,776	40,342
1922	424,411	171,709	596,120	49,426	13,505	62,931
1923	456,824	217,732	674,556	77,109	16,977	94,086
1924	380,506	252,215	632,721	55,192	10,903	66,095
1925	324,619	261,216	585,835	89,219	10,735	99,954
1926	275,230	218,125	493,355	86,298	32,730	119,028
1927	208,660	195,617	404,277	112,863	41,408	154,271
1928	326,844	334,420	661,264	124,677	117,855	242,532
1929	290,980	521,835	812,815	54,688	293,681	348,369
1930	375,276	293,143	668,419	113,151	84,409	197,560
1931	300,728	278,559	579,287	37,800	44,110	81,910

Source: Returns to the Navy Department.

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No. 515.—SHIPMENTS OF PRINCIPAL PRODUCTS TO THE UNITED STATES FROM ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS

NOTE.—Totals include items not shown separately. For gold shipments from Alaska see Table 508

Territory and product	Quantity			Value (thousands of dollars)			
	1929	1930	1931	1928	1929	1930	1931
ALASKA							
Animals, number	3,333	1,774	726	52	157	146	23
Reindeer meat, 1,000 lbs	1,384	1,566	1,016	154	141	158	100
Fish, do	291,978	274,106	304,414	51,315	44,299	34,950	35,415
Halibut, fresh and frozen, do	14,050	11,580	13,634	1,686	1,909	1,402	1,463
Salmon, fresh and frozen, do	6,085	6,350	7,697	733	818	757	825
Canned salmon, do	253,167	239,208	267,292	45,549	38,568	30,084	31,161
Cured or preserved fish, do	16,714	15,478	14,006	2,934	2,487	2,207	1,415
Shellfish, do	1,346	1,409	1,785	360	467	441	551
Other fish products:							
Meal, tons[1]	11,909	11,208	7,007	664	829	676	344
Oil, 1,000 galls	3,407	3,608	2,129	1,073	1,380	979	379
Furs and fur skins, number	422,495	464,110	637,346	3,890	5,237	3,147	2,811
Whale oil, 1,000 galls	948	982		254	8,698	409	
Stone, including marble, tons[1]	143	200,847	149,148	123	110	106	75
Wood, timber, and lumber, M ft	2,405	5,120	1,984	68	140	178	35
Copper (ore, matte, regulus), 1,000 lbs	43,899	37,775	22,055	6,782	8,698	5,431	2,080
Lead (ore, matte, regulus), do	2,592	2,390	3,432	130	178	140	151
Total Alaskan products				65,505	61,764	46,467	41,540
Articles produced in U. S. returned				1,950	1,585	1,510	1,601
Total foreign merchandise				132	219	1,020	135
Total, all merchandise				**67,587**	**63,568**	**48,997**	**43,276**
HAWAII							
Coffee, 1,000 lbs	5,300	5,887	6,637	983	1,323	1,093	1,067
Fruits				39,589	38,694	37,890	35,463
Bananas, bunches	199,905	119,603	123,997	185	201	118	122
Pineapples (canned), 1,000 lbs	439,867	423,170	484,276	39,299	38,431	37,728	35,341
Hides and skins, do	1,581	1,474	1,568	238	164	146	95
Honey, do	1,795	868	1,751	95	100	44	51
Molasses, 1,000 galls	28,370	30,059	14,341	901	1,016	1,330	532
Sugar:							
Unrefined, 1,000 lbs	1,745,047	1,697,389	1,915,791	70,177	60,874	53,619	59,825
Refined, do	19,809	34,145	20,138	1,859	1,041	1,615	940
Total Hawaiian products				114,155	103,797	96,519	98,882
Articles produced in U. S. returned				2,786	2,475	2,349	2,554
Total foreign merchandise				15	42	55	113
Total, all merchandise				**116,958**	**106,313**	**98,924**	**101,549**
PUERTO RICO							
Cotton:							
Unmanufactured, pounds	366,461	543,978	905,578	267	133	235	350
Handkerchiefs, 1,000 doz	1,245	855	1,298	1,214	1,206	690	985
Wearing apparel, do	1,580	1,515	1,570	8,335	13,087	11,645	10,400
Fruits				4,637	3,861	6,792	5,447
Grapefruit, fresh, boxes	373,365	780,254	807,994	1,222	1,418	2,847	2,399
Oranges, fresh, do	62,475	226,553	61,373	792	175	644	156
Pineapples, fresh, crates	547,702	501,476	710,648	1,504	1,807	1,761	2,260
Grapefruit, canned, etc., 1,000 lbs	1,798	13,223	6,446	944	160	1,103	472
Pineapples, canned, etc., do	2,379	4,826	2,580	153	263	369	160
Coconuts, thousands	3,440	7,681	11,092	547	124	242	281
Hides and skins, 1,000 lbs	1,117	1,150	907	186	160	116	71
Honey, do	666	1,129	870	84	45	60	31
Manganese ore, tons[1]	2,316	2,536	2,374	57	84	85	87
Alcohol, denatured, galls	1,050,488	948,692	840,480	268	431	378	207
Sugar and molasses:							
Sugar, 1,000 lbs	1,014,783	1,618,464	1,515,330	58,574	36,494	57,391	51,887
Molasses, 1,000 galls	15,854	22,480	29,856	878	838	1,789	1,084
Tobacco:							
Leaf—							
Unstemmed, 1,000 lbs	2,496	396	126	443	1,046	233	26
Stemmed, do	19,807	18,797	16,439	10,253	11,393	11,319	8,970
Stems, scraps, etc, do	8,154	5,755	5,335	1,630	1,618	1,200	1,073
Cigars and cheroots, thousands	144,967	157,877	162,208	3,824	3,219	3,944	3,230
Cigarettes, do	4,730	17,767	11,670	44	40	95	59
Total Puerto Rican products				95,035	76,002	98,581	86,922
Articles produced in U. S. returned				2,167	2,049	1,086	970
Total foreign merchandise				67	75	213	20
Total, all merchandise				**97,269**	**78,127**	**99,880**	**87,912**

[1] Of 2,240 pounds.

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No. 515.—Shipments of Principal Products to the United States from Alaska, Hawaii, Puerto Rico, and the Philippine Islands—Continued

Territory and product	Quantity			Value (thousands of dollars)			
	1929	1930	1931	1928	1929	1930	1931
PHILIPPINE ISLANDS [2]							
Oil cake and meal (coconut)...1,000 lbs.	21,960	32,565	13,371	355	377	380	111
Coconut meat prepared.....do....	43,123	45,343	37,133	4,005	3,395	3,277	1,936
Copra.....do....	310,194	336,555	267,471	16,548	13,154	12,493	6,574
Coconut oil.....do....	411,936	317,919	325,175	23,061	29,552	19,901	15,272
Rubber, crude.....do....	579	778	175	124	123	121	26
Unmanufactured tobacco.....do....	3,963	4,680	4,144	521	443	528	554
Cigars and cheroots.....do....	2,073	1,901	2,056	4,190	3,341	2,997	3,105
Cotton wearing apparel.....do....				3,639	4,605	3,106	2,044
Cordage.....do....	6,937	7,514	5,380	781	951	961	547
Manila fiber.....tons[1]..	71,327	61,833	30,461	9,423	13,330	8,512	2,910
Boards, planks, and deals.....M ft..				11			
Sawed cabinet woods.....do....	34,521	28,068	17,965	1,358	1,582	1,367	866
Articles produced in U. S. returned.....				356	366	499	374
Total, all merchandise.....				**115,609**	**125,792**	**109,890**	**87,133**

[1] Of 2,240 pounds.
[2] Data represents shipments to the United States customs area.

Source: Bureau of Foreign and Domestic Commerce.

No. 516.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: Values

Note.—**Values in thousands of dollars.** Totals include items not shown separately

Commodity group or item	Alaska		Hawaii		Puerto Rico		Philippine Islands [2]	
	1930	1931	1930	1931	1930	1931	1930	1931
Total merchandise	**31,303**	**22,490**	**81,726**	**79,062**	**74,219**	**60,637**	**64,815**	**48,805**
Animals and Animal Products	**4,425**	**3,200**	**7,157**	**6,929**	**10,193**	**9,104**	**6,439**	**4,942**
Meat products	1,945	1,333	2,170	2,434	3,421	2,851	381	303
Eggs	573	410	595	506	38	38	3	2
Milk, condensed, evaporated, etc.	444	368	774	771	446	475	3,053	2,715
Butter and cheese	748	535	863	857	484	555	122	100
Fish	115	85	1,061	834	438	360	1,420	817
Animal fats and oils, edible	98	66	151	120	2,327	2,281	31	27
Boots and shoes	184	136	895	800	2,578	2,178	230	168
Other leather manufactures	48	31	235	239	204	150	165	93
Vegetable Food Products and Beverages	**4,182**	**3,240**	**12,716**	**11,178**	**17,601**	**13,263**	**6,158**	**4,822**
Grains and preparations	756	552	5,293	4,469	11,460	9,082	3,730	2,738
Rice	74	56	3,564	3,189	8,192	6,610	4	1
Wheat flour	315	232	913	678	2,228	1,565	3,452	2,540
Biscuits and crackers	174	128	129	96	423	412	152	98
Vegetables	832	632	1,746	1,608	2,465	2,343	503	496
Potatoes	184	106	366	203	487	457	12	8
Canned vegetables	375	294	424	456	165	158	230	209
Fruits	854	631	1,434	1,278	307	295	843	725
Oranges	125	83	494	376			263	213
Apples	95	76	215	186	48	43	159	147
Canned and preserved fruits	357	248	332	310	148	129	151	109
Coffee	357	288	146	148	1,670	88	293	247
Sugar	361	315	265	158	12	6	69	53
Confectionery	330	248	553	539	304	239	185	148
Beverages and fruit juices	172	152	270	284	278	279	52	40
Vegetable Products, Inedible, Except Fibers and Wood	**1,352**	**1,100**	**4,983**	**5,010**	**5,907**	**4,691**	**5,662**	**4,427**
Rubber manufactures	344	248	1,897	1,733	1,274	871	2,307	1,565
Boots and shoes [1]	175	112	114	72	397	187	246	142
Automobile tires:								
Casings	39	34	1,238	1,158	538	425	1,433	945
Inner tubes	7	6	143	126	53	42	163	103
Belting, hose, and packing	80	75	127	130	59	55	187	156
Tobacco:								
Leaf					2,133	1,317	169	291
Cigars and cheroots	202	130	189	207	7	2		
Cigarettes	484	441	1,934	2,151	2,190	2,240	2,057	1,862
Smoking	168	154	557	529	3	2	22	22

[1] Includes canvas shoes with rubber soles.
[2] Data represents shipments from the United States customs area.

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No. 516.—SHIPMENTS OF MERCHANDISE FROM THE UNITED STATES TO ALASKA, HAWAII, PUERTO RICO, AND THE PHILIPPINE ISLANDS: VALUES—Continued

[Values in thousands of dollars]

Commodity group or item	Alaska		Hawaii		Puerto Rico		Philippine Islands [2]	
	1930	1931	1930	1931	1930	1931	1930	1931
Textiles	2,691	1,689	6,401	6,001	15,306	12,913	8,944	8,719
Sewing, crochet, and embroidery cotton	9	5	107	123	337	179	709	576
Cotton cloth	89	66	1,307	1,170	7,425	6,002	5,445	5,666
Cotton wearing apparel	486	327	1,058	1,093	2,485	1,936	264	211
Bags of jute	65	39	240	173	325	305	43	39
Cordage and twine (cotton, jute, and other)	485	243	135	115	246	170	140	117
Wool wearing apparel	310	213	453	452	322	309	42	21
Other wool manufactures	81	55	377	286	141	99	47	21
Silk manufactures	118	102	752	701	539	343	494	458
Wood and Paper	1,654	1,188	6,130	5,381	3,595	3,247	1,929	1,697
Logs and timber	160	69	188	200	129	140	24	7
Boards, planks, and deals	413	162	1,541	1,010	907	723	56	46
Box shooks	131	21	338	265	395	352	70	68
Wood furniture	113	98	517	450	525	524	26	23
Paper and manufactures	480	486	2,866	2,799	1,287	1,243	1,529	1,317
Nonmetallic Minerals	2,621	1,851	10,762	9,393	3,783	2,704	6,680	4,480
Coal	342	289	16	57	148	141		
Petroleum and products	1,690	1,240	8,655	7,320	2,834	1,840	5,933	3,924
Gasoline	887	596	4,278	3,760	1,232	801	2,297	1,399
Illuminating oil	79	72	741	603	436	381	1,776	712
Gas and fuel oil	346	312	2,542	1,864	664	191	479	824
Lubricating oil	339	218	782	759	351	300	956	749
Metals and manufactures, except Machinery and Vehicles	7,927	5,233	11,855	11,081	4,055	3,174	8,940	5,878
Iron and steel	7,625	4,437	10,240	9,617	3,587	2,802	7,538	4,862
Steel bars	70	42	384	279	177	116	160	110
Iron and steel plates	19	11	50	66	22	18	76	61
Galvanized sheets	98	54	235	246	400	369	2,164	1,331
Tin plates	620	415	5,325	4,617	14	13	833	439
Structural forms	88	55	215	320	81	97	326	160
Cast-iron pipe and fittings	17	15	267	360	148	114	338	321
Wire	330	178	285	330	217	144	321	279
Wire nails	81	46	57	63	73	62	80	195
Cutlery	13	11	148	137	114	97	117	58
Tin cans, finished or unfinished	4,311	3,344	33	24	285	166	85	54
Enameled iron and steel	58	38	121	158	159	133	53	67
Stoves, ranges, furnaces	259	173	254	197	48	26	44	27
Tools	115	70	220	236	117	115	262	187
Copper	49	43	501	436	200	120	689	306
Machinery and Vehicles	4,049	2,973	10,833	13,482	4,902	4,025	11,628	7,766
Engines	443	232	408	331	297	93	648	357
Electrical machinery and appliances	705	661	2,443	3,453	955	958	2,527	1,748
Agricultural machinery	110	65	449	399	264	256	434	334
Other machinery	1,917	1,429	2,419	4,215	1,194	945	3,251	2,205
Motor trucks and busses	106	91	511	862	422	373	1,321	833
Passenger automobiles	317	196	2,854	2,907	1,110	844	2,020	1,447
Automobile parts and accessories, except tires	113	104	720	754	276	261	834	575
Chemicals and Related Products	1,170	965	6,123	6,087	6,399	5,278	4,500	3,716
Chemicals	435	154	1,316	824	1,460	453	1,554	1,446
Medicinal and pharmaceutical preparations	210	177	537	484	923	939	754	721
Paints, pigments, and varnishes	200	149	910	821	459	371	700	540
Explosives, fuses, etc	383	327	97	158	21	27	156	156
Fertilizers	2	3	2,522	2,507	2,887	2,039	799	497
Soap	126	115	773	791	1,265	1,131	831	592
Miscellaneous	1,233	1,051	4,768	4,550	2,477	2,238	3,935	2,547
Motion-picture films	88	83	161	155	74	50	62	60
Musical instruments	94	60	501	302	212	117	694	269
Toys	40	31	159	147	129	159	65	44
Athletic and sporting goods	31	21	201	197	22	22	140	119
Books, pictures, and other printed matter	317	263	1,246	1,209	368	311	1,100	702
Household and personal effects	168	161	328	315	212	203	109	105

[2] Data represents shipments from the United States Customs Area.

Source: Bureau of Foreign and Domestic Commerce.

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24.—IRRIGATION AND DRAINAGE

GENERAL NOTE.—Data in this section cover irrigation and drainage enterprises in continental United States. "Government irrigation" tables relate only to works of the Bureau of Reclamation or to lands served in whole or in part by works controlled by the bureau (for area so served, see Table 521). Tables 523 to 528 relate to irrigation enterprises of all sorts as reported to the Bureau of the Census.

No. 517.—GOVERNMENT IRRIGATION PROJECTS: CONSOLIDATED FINANCIAL STATEMENT, JUNE 30, 1931

DEBIT SIDE

Construction account, primary projects:			
Cost of irrigation works—			
Original construction	$191, 796, 784		
Supplemental construction	12, 188, 115		
Value of works taken over	2, 056, 623		
Total construction cost		$206, 041, 522	
Operation and maintenance prior to public notice (net)	2, 754, 626		
Operation and maintenance deficits and arrearages and penalties on water-right charges funded with construction	6, 081, 126		
		8, 835, 752	
		214, 877, 274	
Less—			
Abandoned works and nonreimbursable cost, etc., (net)	15, 418, 967		
Construction revenues	5, 948, 382		
Contributed funds	1, 457, 960		
Nonreimbursable appropriation (Rio Grande Dam)	1, 000, 000		
		23, 825, 309	
Balance repayable			$191, 051, 966
Yuma auxiliary project: Cost of works less construction revenues			892, 955
Secondary projects and general investigations: Cost of surveys and investigations less contributed funds			2, 211, 756
General office expense undistributed			924, 522
Plant and equipment			763, 264
Materials and supplies			360, 683
Accounts receivable			157, 205, 188
Unadjusted debits: Disbursement vouchers in transit			11, 707
Prepaid civil service retirement fund			2, 340
Cash on hand and in special deposit and in transit			5, 030, 191
Total debits			358, 454, 573

CREDIT SIDE

Security for repayment of cost of irrigation works:			
Contracted construction repayments		$196, 661, 828	
Yuma auxiliary contracted repayments		603, 956	
			$197, 265, 784
Current accounts payable			1, 416, 043
Deferred and contingent obligations			752, 263
Reserves and undistributed profits			7, 053, 768
Unadjusted credits: Collection vouchers in transit			524
Undistributed clearing cost accounts			45, 486
Operation and maintenance results, surplus			499 806
Government aid for reclamation of arid lands:			
Reclamation fund		151, 694, 085	
Special funds—			
Increase of compensation		2, 797, 960	
Judgments, Court of Claims		602, 814	
Rio Grande Dam		1, 000, 000	
Wind River Indian (Riverton)		359, 176	
Drainage and cut-over lands		99, 815	
General investigations, 1923–Dec. 31, 1924		266, 353	
Arid, semiarid, swamp, and cut-over timberlands		44, 993	
Columbia Basin irrigation project		11, 634	
Colorado River levee system		400, 000	
Advances to reclamation fund (bond loan) less amount repaid		10, 000, 000	
Treasury loan (act of Mar. 4, 1931)		2, 000, 000	
Total		169, 276, 831	
Less nonreimbursable appropriation, Rio Grande Dam		1, 000, 000	
		168, 276, 831	
Less impairment of funds—			
Abandoned construction works	$1, 352, 108		
Nonreimbursable cost	608, 799		
Operation and maintenance cost, uncollectible	453, 272		
Charge-offs, act of May 25, 1926	14, 441, 753		
		16, 855, 933	
			151, 420, 898
Total credits			358, 454, 573

Source: Bureau of Reclamation, Department of the Interior.

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No. 518.—GOVERNMENT IRRIGATION PROJECTS: CONSTRUCTION COST, OTHER REIMBURSABLE COST AND AMOUNT TO BE REPAID BY WATER USERS, TOTALS TO JUNE 30, 1931

State and project	Construction cost	Operation and maintenance cost before public notice (net)	Operation and maintenance deficits and arrearages	Deduction		Total to be repaid by water users
				Construction revenues and contributed funds	Abandoned works nonreimbursable cost, etc.	
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	**206,041,522**	**2,754,626**	**6,081,126**	[1] **8,406,342**	**15,418,967**	**191,051,966**
Arizona: Salt River	12,744,223	115,994		2,312,097	[2] 382,097	10,166,022
Arizona-California: Yuma	9,365,825	373,807	2,922	220,153		9,522,400
California: Orland	2,399,323	[3] *11,433*		27,708		2,360,182
Colorado:						
Grand Valley	4,796,810	138,621		59,193	[4] 812,375	4,063,864
Uncompahgre	6,438,177	303,006	8,239	24,224	[4] 1,258,713	5,466,486
Idaho:						
Boise	15,989,970	422,283	875,739	75,529	[4] 82,394	17,130,070
King Hill	1,905,919		110,123	28,187	[4] 497,464	1,490,390
Minidoka	14,789,160	321,337	467,836	1,744,230	[4] 2,288	13,831,815
Minidoka-Gooding	3,725,518			1,000		3,724,518
Kansas: Garden City	342,964	52,868		61,357	[5] 334,475	
Montana:						
Huntley	1,562,303	[3] *1,000*	378,926	18,372	[4] 62,050	1,859,807
Milk River	6,802,908	437,461	100,394	89,684	[4] 1,911,189	5,339,890
Sun River	7,332,451	133,318	102,401	47,255	[4] 89,214	7,431,706
Montana-North Dakota: Lower Yellowstone	3,689,529	[3] *2,954*	901,208	54,005	[4] 382,254	4,151,523
Nebraska-Wyoming: North Platte	19,208,442	743,294	1,506,029	495,098		20,962,667
Nevada: Newlands	7,956,917	[3] *2,155*	20,405	52,348	[4] 4,437,820	3,485,000
New Mexico:						
Carlsbad	1,464,650	[3] *17,752*	1,934	28,347		1,420,485
Hondo	339,492	32,952		656	[5] 371,788	
New Mexico-Texas: Rio Grande	14,985,440	[3] *297,858*		[1] 1,413,925	[4] 326,901	12,946,756
North Dakota:						
Buford-Trenton	223,423	[3] *33*		1,968	[5] 221,424	
Williston	517,630	[3] *165*		93,043	[5] 424,422	
Oregon:						
Baker	71,598			5,000		66,598
Umatilla	5,137,937		230,205	84,456	[4] 888,341	4,395,346
Vale	3,284,087	13,140		5,000		2,292,227
Oregon-California: Klamath	5,985,161	78,091	3,830	400,532	[4] 7,500	5,659,050
Oregon-Idaho: Owyhee	6,472,991			4,355		6,468,636
South Dakota: Belle Fourche	4,393,383	[3] *1,989*	669,943	18,554	[4] 379,032	4,663,751
Utah:						
Salt Lake Basin	2,793,929			45,495		2,748,434
Strawberry Valley	3,507,423	10,744	82,240	258,379		3,342,029
Washington:						
Okanogan	1,451,729	[3] *47,767*	25,194	6,631	[4] 998,327	424,199
Yakima	14,529,910	[3] *64,357*	83,132	368,496	[4] 4,215	14,175,974
Yakima-Kittitas	8,006,384		8,784	3,748		8,011,420
Wyoming:						
Riverton	3,879,451		37,971	16,368		3,901,054
Shoshone	9,946,466	25,170	463,666	340,950	[1] 1,544,686	8,549,666

[1] Includes nonreimbursable appropriation, $1,000,000.
[2] Nonreimbursable cost.
[3] Contra.
[4] Authorized charge-offs.
[5] Abandoned works.

Source: Bureau of Reclamation, Department of the Interior.

No. 519.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, AND RETURNS DURING 1930 (CALENDAR YEAR)

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits [1]	Results: Excess (+) or deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	**1,811,191**	**1,980,785**	**9,896**	**11,765**	**79,027**	**34,618**	**+281,370**
Arizona: Yuma auxiliary	32,389	33,824			1,229		+2,664
Arizona-California, Yuma	338,936	316,743	3,443	5,339	11,731		−12,357
California: Orland	37,358	39,561	330	1,248	220		+1,505
Colorado:							
Grand Valley	48,913	49,375			655		+1,117
Uncompahgre	134,551	130,000	1		3,316		−1,233

[1] Amounts to be repaid with construction and charge-offs under act of May 25, 1926.

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No. 519.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, AND RETURNS DURING 1930 (CALENDAR YEAR)—Contd.

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits	Results: Excess (+) or deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Idaho:							
Boise	20,960	33,701					+12,741
Minidoka	84,537	68,805			13,613	[2] 128	−2,246
Minidoka-Gooding		757					+757
Montana:							
Huntley	[2] 3						+3
Milk River	40,047	42,041		194	452		+2,253
Sun River	24,081	817			923	22,023	−318
Montana-North Dakota: Lower Yellowstone	71,719	58,192			3,966		−9,560
Nebraska-Wyoming: North Platte	28,430	16,606			1,009	1,916	−8,900
Nevada: Newlands	300						−300
New Mexico: Carlsbad	48,492	56,507	881	1,163	558		+8,292
New Mexico-Texas: Rio Grande	373,606	781,527	69				+407,990
Oregon: Umatilla	3,872	3,659			19		−194
Oregon-California: Klamath	86,890	46,745	23		32,236		−7,883
South Dakota: Belle Fourche	89,225				2,495		−86,731
Utah: Strawberry Valley						10,790	+10,790
Washington:							
Yakima	315,293	280,079	5,148	3,882	6,832	60	−26,996
Yakima-Kittitas	28,537	19,753					−8,784
Wyoming: Shoshone	3,058	2,092			[2] 227	[2] 45	−1,236

[2] Contra.

No. 520.—GOVERNMENT IRRIGATION PROJECTS: OPERATION AND MAINTENANCE COST, RETURNS, AND NET RESULT, TOTALS TO DECEMBER 31, 1930

State and project	Operation and maintenance cost	Operation and maintenance returns				Other credits [1]	Results: excess (+) or deficit (−)
		Charges contracted	Penalties	Discounts (contra)	Miscellaneous revenues		
	Dollars	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*	*Dollars*
Total	**33,368,845**	**26,528,806**	**478,991**	**361,254**	**1,696,657**	**5,779,680**	**+754,036**
Arizona: Yuma auxiliary	309,917	364,123	538	1,107	7,082		+61,430
Arizona-California: Yuma	4,391,012	4,458,673	98,300	58,267	186,516	2,922	+297,131
California: Orland	457,332	488,122	1,844	20,687	3,100		+15,046
Colorado:							
Grand Valley	148,300	159,875			2,042		+13,617
Uncompahgre	1,073,947	1,199,020	11,237	11,603	21,729		+146,435
Idaho:							
Boise	2,789,238	2,109,717	67,769	52,650	111,045	601,070	+49,714
King Hill	156,734	60,711		1,519	343	97,199	
Minidoka	2,188,056	1,800,197	29,463	22,342	115,185	266,606	+1,054
Minidoka-Gooding		757					+757
Montana:							
Huntley	1,014,941	557,805	15,712	10,450	11,587	[1] 449,339	+53
Milk River	233,771	155,000		1,560	5,042	100,394	+25,106
Sun River	316,767	158,971	6,360	3,468	29,742	[1] 124,693	−470
Montana-North Dakota: Lower Yellowstone	1,291,997	318,258	3	5	134,225	861,460	+21,944
Nebraska-Wyoming: North Platte	2,768,487	1,814,899	27,304	35,812	31,076	1,043,086	+112,067
Nevada: Newlands	1,453,491	1,188,796	28,061	24,970	26,013	[1] 227,168	−7,823
New Mexico: Carlsbad	863,474	815,282	29,166	16,588	25,771	1,934	−7,910
New Mexico-Texas: Rio Grande	3,080,471	3,027,303	8,597	4,486	49,058		
North Dakota:							
Buford-Trenton	74,781	2,317			10	[1] [2] 72,454	
Williston	904,662	34,043	46		489,755	[1] [2] 380,819	
Oregon: Umatilla	691,520	369,107	7,698	3,314	39,838	[1] 288,216	+10,024
Oregon-California: Klamath	1,195,481	1,118,918	3,618	4,942	118,511	3,712	+44,336
South Dakota: Belle Fourche	1,544,340	817,308	29,196	9,241	25,975	[1] 689,801	+8,699
Utah: Strawberry Valley	437,856	376,881	10,196	11,859	20,400	42,238	
Washington:							
Okanogan	649,647	371,442	1,451	397	70,485	[1] 206,666	
Yakima	4,391,379	4,200,743	86,219	54,935	130,736	74,559	+46,143
Yakima-Kittitas	28,537	19,753					−8,784
Wyoming: Shoshone	913,426	540,784	13,615	11,053	41,393	[1] 254,145	−74,543

[1] Includes deficits uncollectible: Huntley, $81,354; Sun River, $34,148; Newlands, $211,292; Buford-Trenton, $72,454; Williston, $380,819; Umatilla, $91,083; Belle Fourche, $119,606; Okanogan, $181,472; Shoshone, $38,036; total, $1,210,264. Other data are amounts to be repaid with construction.

[2] Projects abandoned.

Source of Tables 519 and 520: Bureau of Reclamation, Department of the Interior.

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No. 521.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE IRRIGABLE, IRRIGATED, AND CROPPED AND VALUE OF CROPS, BY PROJECTS, 1930 [1]

State and project	Lands in projects proper				Other lands served by Government works [2]			
	Irrigable acreage [3]	Irrigated acreage	Cropped acreage	Crop value	Irrigable acreage	Irrigated acreage	Cropped acreage	Crop value
				Dollars				*Dollars*
Grand total	**1,993,390**	**1,504,810**	**1,550,967**	**65,007,270**	**1,640,722**	**1,286,046**	**1,254,493**	**54,654,550**
Total with irrigation	**1,993,390**	**1,504,810**	**1,467,097**	**64,418,940**	**1,640,722**	**1,286,046**	**1,254,493**	**54,654,550**
Arizona: Salt River	246,130	223,013	216,723	16,540,314	90,392	60,473	60,473	3,089,700
Arizona-California: Yuma	65,895	55,074	52,992	2,994,020	240	213	170	26,650
Valley division	49,625	43,573	42,121	2,453,402				
Reservation division	14,275	10,310	10,089	411,003				
Yuma auxiliary (Mesa)	1,995	1,191	782	129,615				
California: Orland	20,770	14,091	12,454	578,706				
Colorado:								
Grand Valley	30,380	15,804	15,099	472,185	13,400	14,000	13,400	956,000
Uncompahgre	75,655	59,998	59,875	1,606,250	1,650	1,550	1,545	38,625
Idaho:								
Boise	170,575	167,242	154,059	4,057,819	139,600	133,800	129,300	3,306,500
King Hill	8,000	6,941	6,853	197,932				
Minidoka	120,155	107,200	99,990	3,206,284	780,710	667,180	641,565	24,023,520
Gravity division	71,235	61,561	57,724	1,837,510				
Pumping division	48,920	45,639	42,266	1,368,774				
Montana:								
Huntley	32,540	23,488	23,488	1,110,523				
Milk River	134,285	49,021	48,039	959,385				
Sun River	55,875	33,274	33,274	442,918				
Fort Shaw division	13,900	7,312	7,312	133,820				
Greenfields and Big Coulee division	41,975	25,962	25,962	309,098				
Montana-North Dakota: Lower Yellowstone	47,450	28,681	28,681	957,756				
Nebraska-Wyoming: North Platte	235,840	191,519	190,378	6,679,563	129,440	111,050	111,050	4,286,240
Pathfinder district	113,100	90,518	89,715	2,836,374				
Gering and Fort Laramie district	55,030	50,908	50,752	2,267,945				
Goshen district	51,540	37,983	37,983	1,296,747				
Northport district	16,170	12,110	11,928	278,497				
Nevada: Newlands	87,500	53,563	50,917	1,000,920				
New Mexico: Carlsbad	25,055	24,738	23,695	1,297,378				
New Mexico-Texas: Rio Grande	155,000	144,607	139,707	8,184,665	75,000	50,145	50,145	1,609,690
Oregon:								
Vale	4,010	1,412	1,189	17,189				
Umatilla	17,740	11,252	10,874	240,792	640	590	590	15,140
Oregon-California: Klamath	55,385	47,011	45,781	1,727,147	63,910	36,445	35,655	824,595
Main division	41,525	34,051	33,471	1,328,049				
Tule Lake division	13,860	12,960	12,310	399,098				
South Dakota: Belle Fourche	61,190	38,844	[4] 53,803	1,204,293				
Utah:								
Salt Lake Basin					77,000	75,000	75,000	3,450,000
Strawberry Valley	39,550	36,798	36,798	1,059,500	7,020	6,990	6,990	172,890
Washington:								
Okanogan	5,850	3,970	3,503	462,871				
Yakima	204,920	120,054	113,155	8,087,025	166,720	128,610	128,610	12,855,000
Sunnyside division	102,656	83,012	79,515	4,638,820				
Tieton division	30,264	26,250	23,000	3,104,575				
Kittitas division	72,000	10,792	10,640	343,630				
Wyoming:								
Shoshone	73,640	46,008	44,665	1,323,197				
Garland division	41,648	32,946	32,946	1,130,957				
Frannie division	20,062	9,025	8,923	163,695				
Willwood division	11,930	4,037	2,796	28,545				
Riverton	20,000	1,207	1,105	10,308				
Total cropped without irrigation			**83,870**	**538,330**				
Milk River			12,356	52,264				
Sun River			3,074	20,610				
Lower Yellowstone			6,268	28,105				
Klamath			62,368	514,945				

[1] Calendar year data, except on Salt River project, where data are for crop year beginning October, 1929.
[2] Usually furnished with a partial water supply through private canals under Warren Act or other water-service contracts.
[3] Area for which bureau was prepared to supply water.
[4] Of this area 38,844 acres were irrigated, the remainder being cropped without irrigation.

Source: Bureau of Reclamation, Department of the Interior.

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No. 522.—GOVERNMENT IRRIGATION PROJECTS: ACREAGE, PRODUCTION, AND VALUE OF CROPS

[Acreage in thousands and value in thousands of dollars, except for individual crops]

Year	Government projects proper				Warren Act land			Entire area		
	Irrigable acreage	Irrigated acreage	Cropped acreage [1]	Crop value [1]	Irrigated acreage	Cropped acreage	Crop value	Irrigated acreage	Cropped acreage	Crop value
1917	1,502	1,058	967	56,462				1,058	967	56,462
1918	1,602	1,142	1,051	66,821	501	482	35,000	1,643	1,533	101,821
1919	1,636	1,187	1,113	88,974	916	881	64,000	2,104	1,994	152,974
1920	1,662	1,224	1,154	66,172	982	951	47,506	2,205	2,105	113,678
1921	1,674	1,228	1,158	49,620	1,001	970	44,906	2,229	2,128	94,526
1922	1,693	1,202	1,169	50,361	983	951	33,241	2,185	2,120	83,602
1923	1,718	1,214	1,180	65,046	1,051	993	37,558	2,265	2,173	102,604
1924	1,806	1,291	1,217	66,489	931	890	43,238	2,222	2,106	109,726
1925	1,803	1,320	1,243	77,609	1,019	951	53,656	2,340	2,194	131,265
1926	1,845	1,411	1,362	60,665	1,097	950	49,750	2,508	2,311	110,415
1927	1,957	1,379	1,432	72,047	1,148	1,072	61,160	2,527	2,504	133,207
1928	1,883	1,442	1,489	81,078	1,235	1,192	62,495	2,677	2,681	143,573
1929	1,922	1,484	1,512	88,459	1,234	1,193	72,720	2,718	2,705	161,180
1930	1,993	1,505	1,551	65,007	1,286	1,254	54,655	2,791	2,805	119,662
1931	2,027	1,553	1,520	40,554	1,294	1,252	33,406	2,847	2,772	73,960

GOVERNMENT PROJECTS PROPER—INDIVIDUAL CROPS [1]

Crop	Acreage cropped		Production		Crop value		Yield per acre	
	1930	1931	1930	1931	1930	1931	1930	1931
			Bushels	*Bushels*	*Dollars*	*Dollars*	*Bushels*	*Bushels*
Total, all crops	**1,550,967**	**1,520,354**			**65,007,270**	**40,554,037**		
Cereals	**323,650**	**305,017**	**9,879,190**	**8,737,134**	**5,182,487**	**3,503,201**		
Barley	83,285	84,828	2,883,129	2,850,918	1,257,431	1,021,710	34.6	33.6
Corn	54,653	74,369	1,635,595	1,831,062	1,142,677	838,158	29.9	24.6
Oats	45,401	40,987	1,654,161	1,524,502	457,871	431,821	36.4	37.2
Rye	5,110	2,427	92,440	22,627	50,268	9,336	18.1	9.3
Wheat	135,201	102,406	3,613,865	2,508,025	2,274,240	1,202,176	26.7	24.5
Other seeds	**43,576**	**40,195**	**194,131**	**134,648**	**1,466,010**	**534,020**		
Alfalfa seed	22,456	26,209	93,141	82,403	870,562	357,224	4.2	3.1
Clover seed	14,841	12,453	59,207	40,432	537,084	164,645	4.0	3.2
Flaxseed	6,279	1,533	41,783	11,813	58,364	12,151	6.7	7.7
			Tons	*Tons*			*Tons*	*Tons*
Hay and forage	**899,205**	**1,093,982**	**1,479,773**	**1,497,094**	**16,715,605**	**12,553,126**		
Alfalfa hay	452,526	481,116	1,312,415	1,167,491	11,940,274	8,543,436	2.9	2.4
Clover hay	15,996	16,581	23,045	20,028	150,256	120,989	1.4	1.2
Other hay	57,704	53,569	69,024	67,500	502,088	381,705	1.2	1.3
Corn fodder	9,792	12,844	61,156	44,455	383,629	193,245	6.3	3.5
Other forage	19,733	106,146	[2]14,133	197,620	294,917	705,563	[2].7	1.9
Pasture	343,454	423,726			3,444,441	2,608,188		
			Bushels	*Bushels*			*Bushels*	*Bushels*
Vegetables	**131,312**	**173,706**	**14,382,293**	**14,929,902**	**11,957,525**	**9,027,999**		
Beans	28,932	33,311	778,071	548,257	1,290,178	530,120	26.9	16.5
Onions	2,762	4,246	954,430	612,874	918,788	474,863	345.5	144.4
Potatoes, white	55,752	76,399	12,556,237	13,576,154	4,822,241	2,824,482	225.6	177.8
Potatoes, sweet	884	1,649	93,555	192,617	128,691	138,209	105.7	116.8
Truck	42,982	58,101			4,797,627	5,060,325		
			1,000 lbs.	*1,000 lbs.*			*Pounds*	*Pounds*
Fruits and nuts	**67,473**	**52,504**	**717,786**	**455,653**	**10,048,950**	**4,542,946**		
Apples	24,174	25,824	332,916	294,454	3,950,158	2,313,956	13,800	11,400
Peaches	3,518	3,783	16,529	22,547	339,250	201,066	4,700	5,960
Pears	7,062	6,919	68,314	50,715	703,150	387,074	9,680	7,340
Prunes	2,469	2,352	18,590	9,945	184,305	107,105	7,530	4,230
Citrus fruits	4,947	5,164	63,768	51,548	1,561,015	766,581	12,870	9,980
Small fruits	3,388	2,140	24,268	11,432	784,859	345,836	7,160	5,350
Miscellaneous	21,913	6,322	193,400	15,012	2,526,213	421,328	8,820	2,380
Miscellaneous	**319,042**	**260,656**			**19,636,693**	**10,392,745**		
Cotton	192,120	163,461	87,905	69,732	11,398,544	4,915,021	457.0	426.6
Cottonseed			157,848	119,724			821.1	732.4
			Tons	*Tons*				
Sugar beets	79,897	73,621	1,043,847	876,735	7,575,664	5,016,671	13.1	11.9
Other crops	47,025	23,574			662,485	461,053		
Duplication	**233,291**	**405,706**						

[1] Figures include nonirrigated crops grown on projects (1930—acreage, 83,870 acres; crop value, $588,330; 1931—acreage, 57,789 acres; crop value, $432,948.)

[2] Data incomplete, as in several cases acreage and value were reported but no tonnage.

Source: Bureau of Reclamation, Department of the Interior.

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No. 523.—IRRIGATION: SUMMARY FOR THE 19 IRRIGATION STATES

NOTE.—Tables 523 to 526 relate to irrigation enterprises of all types, including those operated by individual farmers. They are based on reports of the management of the enterprises. An enterprise is defined as "an independent irrigation establishment and includes the works for supplying water and the land for which water is supplied, except that the cost and value of the land is not included in the capital invested." Statistics cover the nineteen irrigation States shown in Table 525

Item	Census of—			Per cent increase 1920–1930 [1]
	1910	1920	1930	
All farms—number	1,776,046	1,916,391	2,062,813	7.6
All land in farms—1,000 acres	416,463	505,441	568,694	12.5
Approximate land area—do	1,224,063	1,223,989	1,223,989	.....
Farms irrigated—number	162,723	222,789	265,147	19.0
Area irrigated—1,000 acres	14,433	19,192	19,548	1.9
Area of irrigated crops harvested—do	[2]	[2]	14,633	.....
Area enterprises were capable of supplying with water—1,000 acres	20,285	26,020	26,102	0.3
Area in enterprises [3]—do	32,245	35,891	30,599	.....
Proportion irrigated:				
All farms—per cent	9.2	11.6	12.9	.....
All land in farms—do	3.5	3.8	3.4	.....
Approximate land area—do	1.2	1.6	1.6	.....
Excess of area enterprises were capable of supplying with water over area irrigated—1,000 acres	5,852	6,829	6,554	−4.0
Excess of area in enterprises [3] over area irrigated—do	17,812	16,699	11,052	.....
Area in enterprises available, or to be available, for settlement—1,000 acres	[4]	2,258	1,682	−25.5
Value of irrigated farms [land, buildings (including dwellings), and implements and machinery]—1,000 dollars	[2]	[2]	4,886,893	.....
Average, per acre—dollars	.....	.....	62.38	.....
Value of irrigated crops harvested—1,000 dollars	[2]	[2]	899,943	.....
Investment in irrigation enterprises—do	321,454	697,657	1,032,756	48.0
Average per acre, based on area enterprises were capable of supplying with water—dollars	15.85	26.81	39.57	47.6
Estimated final cost of existing enterprises—1,000 dollars	437,949	819,778	1,155,108	40.9
Average per acre, based on area in enterprises [3]—dollars	13.58	22.84	37.75	.....
Average annual cost, per acre, for maintenance and operation of irrigation works—dollars	.....	2.43	2.77	14.0

[1] A minus sign (−) denotes decrease.
[2] Figures not available.
[3] Total area, 1910 and 1920, irrigable area, 1930.
[4] Not reported.

No. 524.—IRRIGATION: ACREAGE AND INVESTMENT IN ENTERPRISES, BY CHARACTER OF ENTERPRISE, 1920 AND 1930

NOTE.—See headnote, Table 523

Item and character	Area irrigated (acres)		Area enterprises were capable of supplying with water (acres)		Area in enterprises (acres) [1]		Investment (thousands of dollars), 1930
	1919	1929	1920	1930	1920	1930	
Total	19,191,716	18,547,544	26,020,477	26,101,890	35,890,821	30,599,470	1,032,756
Individual and partnership	6,848,807	6,410,581	9,255,756	7,982,142	13,008,415	8,969,051	327,867
Cooperative	6,581,400	6,271,334	8,403,298	7,861,081	10,628,543	8,698,800	179,330
Irrigation district	1,822,887	3,452,275	2,531,425	4,846,095	3,432,109	6,013,347	210,733
Carey Act	523,929	86,772	804,298	174,246	1,188,937	192,246	7,566
Commercial	1,822,001	1,230,763	2,799,563	2,160,950	3,999,581	2,619,597	62,352
United States Bureau of Indian Affairs	284,551	331,840	484,486	739,446	932,985	1,122,134	31,577
United States Bureau of Reclamation	1,254,569	1,485,028	1,680,643	1,944,825	2,627,176	2,569,649	193,990
State	5,620	11,489	7,379	13,600	9,581	14,231	1,047
City	40,146	121,218	44,458	146,132	49,650	140,534	15,511
Other	7,236	146,244	8,546	233,373	13,144	259,881	2,783
Not reported	570	.....	625	.....	700	.....	.....

[1] Total area, 1920; irrigable area 1930.

Source of Tables 523 and 524: Bureau of the Census, Department of Commerce.

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No. 525.—IRRIGATION: AREA IN IRRIGATION ENTERPRISES, 1910, 1920, AND 1930, AND INVESTMENT, AND COST OF MAINTENANCE AND OPERATION, 1920 AND 1930, BY STATES

State	Area in enterprises (acres) [1]			Area enterprises were capable of supplying with water (acres)		Area irrigated (acres)		
	1910	1920	1930	1920	1930	1909	1919	1929
Total	32,245,464	35,890,821	30,599,470	26,020,477	26,101,890	14,433,285	19,191,716	19,547,544
Arizona	944,090	813,153	1,085,627	627,303	824,152	320,051	467,565	575,590
Arkansas	52,883	246,480	225,992	179,013	209,942	27,753	143,946	151,787
California	5,490,360	7,805,207	8,075,895	5,894,466	6,815,250	2,664,104	4,219,040	4,746,632
Colorado	5,917,457	5,220,588	4,528,251	3,855,348	4,078,712	2,792,032	3,348,385	3,393,619
Idaho	3,549,573	3,780,048	2,814,048	3,092,810	2,617,021	1,430,848	2,488,806	2,181,250
Kansas	161,300	102,562	95,719	67,853	83,583	37,479	47,312	71,290
Louisiana	581,965	851,211	850,401	728,742	795,165	380,200	454,882	450,901
Montana	3,515,602	4,329,148	2,622,423	2,753,498	2,276,000	1,679,084	1,681,729	1,594,912
Nebraska	680,133	766,768	763,039	562,468	703,641	255,950	442,690	532,617
Nevada	1,232,142	1,382,036	983,717	704,708	736,249	701,833	561,447	486,648
New Mexico	1,102,297	961,879	741,245	696,119	656,669	461,718	538,377	527,033
North Dakota	38,173	57,476	24,860	34,235	24,006	10,248	12,072	9,392
Oklahoma	8,528	11,742	7,344	9,672	7,331	4,388	2,969	1,573
Oregon	2,527,208	1,925,987	1,478,128	1,344,046	1,158,210	686,129	986,162	898,713
South Dakota	201,625	188,382	122,510	150,914	109,550	63,248	100,682	67,107
Texas	1,253,173	1,687,447	1,566,876	1,150,542	1,177,415	451,130	586,120	798,917
Utah	1,947,625	2,359,244	1,739,869	1,700,550	1,542,475	999,410	1,371,651	1,324,125
Washington	817,032	836,795	915,379	637,151	631,511	334,378	529,899	499,283
Wyoming	2,224,298	2,564,668	1,958,147	1,831,039	1,655,608	1,133,302	1,207,982	1,236,155

State	Investment				Estimated final cost				Average cost of maintenance and operation per acre (dollars)[2]	
	Amount (thousands of dollars)		Average per acre (dollars)		Amount (thousands of dollars)		Average per acre (dollars)			
	1920	1930	1920	1930	1920	1930	1920	1930	1920	1930
Total	697,657	1,032,756	26.81	39.57	819,778	1,155,108	22.84	37.75	2.43	2.77
Arizona	33,498	73,328	53.40	88.97	34,615	91,914	42.57	84.66	3.27	4.57
Arkansas	7,183	6,837	40.13	32.56	7,284	6,844	29.55	30.28	13.67	7.03
California	194,886	450,968	33.06	66.17	225,799	465,931	28.93	57.69	4.40	6.10
Colorado	88,302	87,603	22.90	21.48	95,198	91,846	18.24	20.28	.87	.85
Idaho	91,501	84,500	29.59	32.29	97,020	101,350	25.67	36.02	1.17	1.44
Kansas	2,067	1,686	30.47	20.17	2,196	1,724	21.41	18.01	3.29	1.53
Louisiana	14,063	15,745	19.30	19.80	14,264	15,771	16.76	18.55	7.01	4.09
Montana	52,143	50,319	18.94	22.11	70,079	58,490	16.19	22.30	1.26	.87
Nebraska	13,909	21,386	24.73	30.39	18,030	21,466	23.51	28.13	1.48	1.54
Nevada	14,754	15,458	20.94	21.00	22,649	18,490	16.39	18.80	.79	.91
New Mexico	18,210	19,834	26.16	30.20	20,441	21,942	21.25	29.60	2.41	2.15
North Dakota	1,857	1,267	54.25	52.79	2,073	1,344	36.06	54.06	5.50	1.97
Oklahoma	151	160	15.65	21.84	163	168	13.86	22.86	2.92	7.62
Oregon	28,929	38,755	21.52	33.46	41,586	60,040	21.59	40.62	1.19	1.41
South Dakota	5,465	4,502	36.21	41.10	5,501	5,174	29.20	42.24	1.26	1.33
Texas	35,073	49,022	30.48	41.64	39,861	59,556	23.62	38.01	6.92	4.74
Utah	32,037	35,670	18.84	23.13	33,836	37,857	14.34	21.76	1.08	1.00
Washington	29,299	40,562	45.98	64.23	37,085	53,232	45.03	58.15	3.45	4.14
Wyoming	34,326	35,153	18.75	21.24	51,506	41,970	20.08	21.43	1.04	.84

[1] Total area, 1910 and 1920, irrigable area, 1930.
[2] When water is pumped, cost of operation includes cost of fuel and attendance.
Source: Bureau of the Census, Department of Commerce.

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No. 526.—IRRIGATION: Acreage and Investment in Enterprises, by Drainage Basins, 1920 and 1930

Note.—See headnote, Table 523

Drainage basin	Area irrigated (acres)		Area enterprises were capable of supplying with water, 1930 (acres)	Irrigable area in enterprises, 1930 (acres)	Investment (thousands of dollars)	
	1919	1929			1920	1930
Total	**19,191,716**	**19,547,544**	**26,101,890**	**30,599,470**	**697,657**	**1,032,756**
Red River (of the North) tributaries	----------	2,099	2,099	2,409	----------	21
Missouri River and tributaries	4,147,278	4,185,180	5,472,012	6,231,873	131,553	136,507
Mississippi River and tributaries, exclusive of Missouri River	958,493	902,560	1,170,583	1,280,730	35,184	31,832
Gulf streams other than Mississippi River and Rio Grande	698,077	662,958	1,221,997	1,536,404	29,440	28,578
Rio Grande and tributaries [1]	1,204,502	1,468,913	1,807,195	2,068,439	33,886	52,979
Independent streams in Rio Grande Drainage Basin	108,353	95,812	107,586	109,225	939	769
Colorado River and tributaries	2,312,047	2,537,124	3,335,914	4,435,529	86,697	132,350
Whitewater Draw and tributaries	5,871	3,301	4,753	5,570	299	231
Great Basin Drainage	2,313,163	2,069,986	2,579,612	3,059,019	66,589	72,068
Columbia River and tributaries	3,873,245	3,393,640	4,241,244	4,992,131	145,672	157,355
Pacific Ocean streams other than Colorado and Columbia Rivers	3,570,687	4,225,971	6,158,895	6,878,141	167,398	420,066

[1] Not including "Independent streams in Rio Grande Drainage Basin."

No. 527.—IRRIGATION: Acreage, Value, and Average Value Per Acre of All Crops and of Irrigated Crops, 1929

Note.—The data in this table are from schedules of individual farmers and not from the managements of irrigation enterprises. Acreage does not include pasture land

State	Acreage				Value					
	All crops		Irrigated crops		All crops			Irrigated crops		
	Total acres	Per cent of United States total	Total acres	Per cent of irrigation States total	Total (thousands of dollars)	Per cent of United States total	Average value per acre (dollars)	Total (thousands of dollars)	Per cent of irrigation States total	Average value per acre (dollars)
United States	**361,944,557**	**100.0**	(1)	----------	**8,077,812**	**100.0**	**22.32**	(1)	----------	----------
Irrigation States	**178,614,903**	**49.3**	**14,633,252**	**100.0**	**3,400,378**	**42.1**	**19.04**	**899,943**	**100.0**	**61.50**
Arizona	500,342	.1	448,806	3.1	32,367	.4	64.69	31,021	3.4	69.12
Arkansas	6,556,238	1.8	146,910	1.0	210,182	2.6	32.06	6,683	.7	45.49
California	6,623,727	1.8	3,540,350	24.2	537,479	6.7	81.14	446,259	49.6	126.05
Colorado	6,761,176	1.9	2,291,927	15.7	124,762	1.5	18.45	82,357	9.2	35.93
Idaho	3,182,767	.9	1,634,321	11.2	104,045	1.3	32.69	73,893	8.2	45.21
Kansas	24,313,774	6.7	56,939	.4	299,152	3.7	12.30	1,706	.2	29.96
Louisiana	4,110,643	1.1	400,375	2.7	149,750	1.9	36.43	16,235	1.8	40.55
Montana	7,878,625	2.2	1,343,035	9.2	87,639	1.1	11.12	28,868	3.2	21.49
Nebraska	21,432,100	5.9	404,481	2.8	299,127	3.7	13.96	15,545	1.7	38.43
Nevada	396,769	.1	390,192	2.7	8,703	.1	21.94	8,473	.9	21.72
New Mexico	1,497,369	.4	371,269	2.4	34,648	.4	23.14	18,865	2.1	50.81
North Dakota	21,336,772	5.9	10,651	.1	181,303	2.2	8.50	278	(2)	26.07
Oklahoma	15,570,362	4.3	2,109	(2)	245,561	3.0	15.77	100	(2)	47.53
Oregon	2,861,467	.8	637,967	4.4	89,354	1.1	31.23	24,800	2.8	38.87
South Dakota	17,955,734	5.0	59,361	.4	171,238	2.1	9.54	1,646	.2	27.72
Texas	30,766,089	8.5	594,287	4.0	615,600	7.6	20.01	33,221	3.7	55.90
Utah	1,200,154	.3	917,139	6.2	35,260	.4	29.38	29,996	3.3	32.71
Washington	3,660,853	1.0	405,027	2.8	144,837	1.8	39.56	61,145	6.8	150.97
Wyoming	2,009,942	.6	978,106	6.7	29,371	.4	14.61	18,851	2.1	19.27

[1] Data on the relatively small amount of irrigation outside of the 19 irrigation States are not available.
[2] Less than one-tenth of 1 per cent.

Source of Tables 526 and 527: Bureau of the Census, Department of Commerce.

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No. 528.—IRRIGATION: ACREAGE, PRODUCTION, AND VALUE OF IRRIGATED CROPS HARVESTED, 1929

NOTE.—See headnote, 527

Crop	Acreage	Production			Value (dollars)	
		Unit	Amount	Per acre	Amount	Per acre
Total [1]	**14,633,252**				**899,942,549**	**61.50**
Cereals, total	3,250,629	Bushel	111,801,074	34.4	94,057,264	28.94
Corn harvested for grain	348,563	do	10,925,296	31.3	8,923,428	25.60
Wheat threshed	1,017,921	do	27,995,376	27.5	28,640,910	28.14
Oats threshed for grain	382,491	do	14,235,956	37.2	7,021,831	18.36
Barley	665,985	do	22,872,825	34.3	14,570,613	21.88
Rye	12,335	do	213,369	17.3	197,712	16.03
Sorghum for grain	71,371	do	1,910,504	26.8	1,797,785	25.19
Rice (rough)	724,997	do	32,876,049	45.3	32,332,566	44.60
Mixed grains and other cereals	26,966	do	771,699	28.6	572,419	21.23
Other grains and seeds, total	687,843				43,777,658	63.64
Canada and other ripe field peas [2]	101,315	Bushel	1,471,670	14.5	3,237,789	31.96
Navy and other ripe field beans [3]	365,776	do	8,408,492	23.0	33,492,746	91.57
All clover seed	64,738	do	254,837	3.9	1,947,442	30.08
Alfalfa seed	137,754	do	366,988	2.7	4,004,849	29.07
Miscellaneous seeds	18,260				1,094,832	59.96
Hay crops, total	6,758,431	Ton	13,438,922	2.0	169,163,452	25.03
Tame hay	5,455,183	do	12,239,422	2.2	158,216,955	29.00
Alfalfa	4,096,381	do	10,384,668	2.5	136,599,352	33.35
Timothy and (or) timothy and clover mixed	679,914	do	973,565	1.4	11,247,379	16.54
Clover alone	83,502	do	120,410	1.4	1,324,897	15.87
Annual legumes saved for hay [4]	19,833	do	27,929	1.4	275,579	13.88
Small grains cut for hay	219,342	do	318,753	1.5	4,494,860	20.49
Other tame grasses	356,211	do	414,097	1.2	4,274,888	12.00
Wild, salt, and prairie grasses	1,303,248	do	1,199,500	.9	10,946,497	8.40
Silage and miscl. forage crops	88,431	do	514,162	5.8	3,740,885	42.30
Corn cut for fodder	37,764	do	(5)		(5)	
Vegetables, total	782,274				138,809,727	177.44
Potatoes (Irish or white)	252,805	Bushel	47,607,488	188.3	58,618,017	231.87
Sweetpotatoes and yams	10,634	do	1,124,047	105.7	1,732,489	162.92
Vegetables harvested for sale	518,835				78,459,221	151.22
Sugar crops, total	502,479				42,678,942	84.94
Sugar beets for sugar	501,951	Ton	5,994,174	11.9	42,606,114	84.88
Other sugar crops	528				72,828	137.93
Cotton, including cottonseed	893,745				67,003,012	74.97
Lint cotton	893,745	Bale	624,126	.7	58,657,194	65.63
Cottonseed		Ton	302,895		8,345,818	9.34
Hops	4,811	Pound	9,487,797	1,972.1	1,180,493	245.37
Miscellaneous crops	131,693				372,087	2.83
Land in orchard and subtropical fruits, vineyards, and planted nut trees	1,494,637					
Orchard fruits, total	[6] 43,445,383				111,113,718	[7] 2.56
Apples	[6] 9,054,962	Bushel	37,048,840	[7] 4.1	45,508,713	[7] 5.03
Peaches	[6] 10,758,112	do	14,731,990	[7] 1.4	18,312,004	[7] 1.70
Pears	[6] 5,752,449	do	9,836,530	[7] 1.7	18,371,048	[7] 3.19
Plums and prunes	[6] 10,451,409	do	8,801,389	[7] .8	8,357,856	[7] .80
Cherries	[6] 1,287,486	do	1,098,617	[7] .9	5,090,798	[7] 3.95
Figs	[6] 2,168,826	Pound	114,799,188	[7] 52.9	5,826,709	[7] 2.69
Apricots	[6] 3,853,026	Bushel	5,413,071	[7] 1.4	9,529,657	[7] 2.47
All other orchard fruits	[8] 119,113				116,933	[7] .98
Grapes	[8] 189,819,218	Pound	2,998,861,537	[9] 16.3	37,351,036	[10] .20
Subtropical fruits, total	[6] 20,380,559				172,184,856	[7] 8.45
Oranges	[6] 14,577,568	Box	43,465,133	[7] 3.0	119,738,658	[7] 8.21
Lemons	[6] 2,770,197	do	9,273,473	[7] 3.3	42,974,061	[7] 15.51
Grapefruit	[6] 1,478,488	do	2,701,051	[7] 1.8	6,852,367	[7] 4.63
Olives	[6] 1,148,983	Pound	39,906,000	[7] 34.7	1,636,665	[7] 1.42
All other subtropical fruits	[6] 405,323				983,105	[7] 2.43
Nuts, total	[6] 3,016,984	Pound	74,006,530	[7] 24.5	12,203,911	[7] 4.05
Walnuts (English or Persian)	[6] 1,663,775	do	69,368,209	[7] 41.7	11,101,932	[7] 6.67
All other nuts	[6] 1,353,209	do	4,638,321	[7] 3.4	1,101,979	[7] .81
Small fruits, total	20,348	Quart	38,549,095	1,894.5	6,305,508	309.88
Strawberries	13,505	do	27,023,843	2,001.0	4,482,194	331.89
Raspberries	4,104	do	7,255,658	1,767.9	1,255,188	305.85
All other small fruits	2,739	do	4,269,594	1,558.8	568,126	207.42

[1] Not including acreage of annual legumes saved for hay which is practically all duplicated in "Other grains and seeds," but including value of leguminous hay.
[2] Includes cowpeas. [3] Includes soy and velvet beans.
[4] Acreage included in totals for "tame hay" and "hay crops" but not in total acreage for all crops.
[5] Not available. [6] Trees of bearing age. [7] Average per tree.
[8] Vines of bearing age. [9] Average production per vine. [10] Average value per vine.
Source: Bureau of the Census, Department of Commerce.

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No. 529.—DRAINAGE: SUMMARY FOR THE UNITED STATES

NOTE.—The statistics for drainage on farms in the first part of this table were collected from the individual farmers while those for drainage enterprises were obtained from a special canvass of organized drainage enterprises. A farm may have artificial drainage without being connected with any general enterprise; conversely, a general enterprise may facilitate the ultimate removal of water from a farm which has itself no artificial drainage. Drainage enterprises comprise public corporations and local improvement districts established under State laws relating to drainage, commercial enterprises draining land for sale, other organizations engaged in extensive land drainage work, and tracts of 500 acres or more drained by individual farm owners. The enterprises may include timbered and other unimproved land not yet in farms. The canvass of drainage enterprises did not include any of the northeastern States, and no enterprises were found in Alabama or West Virginia, and in 1919 none also in Virginia.

Item	Census of— 1920	Census of— 1930	Per cent increase 1920–1930[1]
FARMS AND DRAINAGE ON FARMS			
All farms—number	6,448,343	6,288,648	−2.5
Farms reporting drainage—do	924,815	651,172	−29.6
All land in farms—1,000 acres	955,884	986,771	3.2
Farm land provided with drainage—do	53,025	44,524	−16.0
AREA, DRAINS, AND INVESTMENT IN ENTERPRISES			
Approximate land area of 35 States reporting organized drainage enterprises[2]—1,000 acres	1,717,932	1,743,700	1.5
Land in drainage enterprises—do	65,495	84,408	28.9
Improved land—do	44,288	63,514	43.4
Unimproved land:			
Woodland—do	11,284	11,310	0.2
Other—do	9,923	9,584	−3.4
Land unfit to raise any crop for lack of drainage—do	[3] 7,224	7,396	2.4
Land drained, fit to raise normal crop—do	[4]	66,234	
Land partly drained, fit for partial crop—do	[5] 3,011	10,778	257.9
Land in occupied farms—do	[4]	68,640	
Land in planted crops—do	[4]	54,428	
Land idle—do	[4]	20,003	
Ditches, completed—miles	107,468	138,673	29.0
Tile drains, completed—do	42,312	55,032	30.1
Capital invested in enterprises—1,000 dollars	372,274	680,733	82.9
Average, per acre—dollars	5.68	8.06	41.9

[1] A minus sign (−) denotes decrease.
[2] For States included (34 in 1920 and 35 in 1930) see Table 531.
[3] "Swampy, subject to overflow, seeped, or alkali."
[4] Not called for on schedule.
[5] "Suffering a loss of crops from defective drainage."

No. 530.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: BY DATE OF ORGANIZATION AND BY CHARACTER OF ENTERPRISE: 1930

Date of organization	Land	Area of enterprises: Total	Area of enterprises: Overlapped area	Capital invested to Jan. 1, 1930	Character of enterprise	Land in enterprises[1]	Capital: Invested to Jan. 1, 1930	Capital: Additional required to complete
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 dollars*		*1,000 acres*	*1,000 dollars*	*1,000 dollars*
All enterprises	**84,408**	**128,495**	**44,087**	**680,733**	**Total**	**84,408**	**680,733**	**9,346**
Before 1870	919	1,057	138	1,263	Drainage districts	32,545	357,799	6,781
1870–1879	2,517	3,481	964	11,318	County drains	47,547	287,392	434
1880–1889	6,053	9,549	3,496	28,035	Township drains	194	944	3
1890–1899	5,958	11,265	5,308	32,839	State projects	608	1,449	
1900–1904	7,666	12,381	4,715	34,140	Irrigation enterprises	2,645	23,260	2,074
1905–1909	18,328	23,863	5,535	111,612	Commercial developments	72	3,083	25
1910–1914	16,448	22,332	5,883	125,953	Individual ownership	782	6,579	29
1915–1919	15,803	23,422	7,619	190,583	Character not precisely reported	14	227	
1920–1924	7,428	12,736	5,308	102,977				
1925–1929	3,288	8,410	5,122	42,012				

[1] Before tabulation the area in each enterprise was reduced by the amount of overlapping with enterprises organized previously.

Source of Tables 529 and 530: Bureau of the Census, Department of Commerce.

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No. 531.—LAND AND CAPITAL IN DRAINAGE ENTERPRISES: BY STATES

Division and State	Land in drainage enterprises		Drainage condition in 1929			Land in occupied farms, 1929		Capital invested in enterprises	
	1919	1929	Land unfit for any crop for lack of drainage	Land drained, fit for normal crop	Land partly drained, fit for partial crop	Total land	Land planted	1919	1929
	Acres	*Acres*	*Acres*	*Acres*	*Acres*	*Acres*	*Acres*	*1,000 dollars*	*1,000 dollars*
United States	**65,495,038**	**84,408,093**	**7,396,078**	**66,234,390**	**10,777,625**	**68,640,109**	**54,427,577**	**372,274**	**680,733**
East North Central	**31,627,176**	**33,485,754**	**1,288,906**	**29,439,215**	**2,757,633**	**32,689,727**	**26,317,289**	**134,274**	**209,880**
Ohio	8,107,204	8,165,494	102,290	7,495,881	567,323	8,132,973	6,800,406	30,680	36,836
Indiana	9,087,183	10,214,014	222,269	9,303,527	688,218	10,150,221	8,454,498	31,148	54,111
Illinois	3,909,049	5,032,682	275,800	4,510,111	246,771	5,005,376	4,248,907	43,595	75,049
Michigan	9,729,171	9,180,851	531,454	7,581,151	1,068,246	8,826,265	6,462,936	24,684	37,677
Wisconsin	794,569	892,713	157,093	548,545	187,075	574,892	350,522	4,163	6,207
West North Central	**19,217,367**	**23,690,882**	**2,412,875**	**18,440,603**	**2,837,404**	**20,212,282**	**15,799,777**	**121,562**	**206,191**
Minnesota	9,232,709	11,474,683	2,037,481	7,322,252	2,114,950	8,782,323	5,916,067	42,017	64,140
Iowa	5,224,478	6,137,649	68,371	5,846,118	223,160	6,105,496	5,376,805	49,627	77,479
Missouri	2,596,204	3,150,022	253,251	2,530,697	366,074	2,427,599	2,067,727	20,723	47,340
North Dakota	1,240,328	1,094,142	13,440	1,055,429	25,273	1,094,114	908,979	2,208	3,149
South Dakota	222,062	697,758	26,601	614,210	56,947	684,746	567,285	1,461	4,535
Nebraska	607,730	879,459	10,139	829,681	39,639	864,159	743,178	4,589	6,847
Kansas	93,856	257,169	3,592	242,216	11,361	253,845	219,736	937	2,701
South Atlantic	**2,385,384**	**6,941,716**	**1,516,966**	**2,605,877**	**2,818,873**	**893,634**	**587,512**	**18,847**	**53,632**
Virginia	———	15,042	———	13,138	1,904	5,704	4,748	———	242
North Carolina	542,828	679,236	79,267	438,992	160,977	331,121	267,525	3,623	4,719
South Carolina	140,031	208,249	33,002	139,587	35,660	94,744	61,606	582	1,265
Georgia	65,452	84,255	24,114	46,592	13,549	63,865	37,097	795	1,918
Florida	1,637,073	5,954,934	1,380,583	1,967,568	2,606,783	398,200	216,536	13,847	45,488
East South Central	**2,323,595**	**4,167,681**	**466,687**	**3,231,281**	**469,713**	**3,021,791**	**2,334,721**	**11,524**	**35,326**
Kentucky	358,480	585,625	47,302	428,883	109,440	515,101	320,084	1,522	5,358
Tennessee	363,671	593,560	133,230	367,805	92,525	413,791	212,690	2,926	6,367
Mississippi	1,601,444	2,988,496	286,155	2,434,593	267,748	2,092,899	1,801,947	7,076	23,601
West South Central	**7,924,197**	**11,340,152**	**1,597,904**	**8,243,890**	**1,498,358**	**7,570,988**	**5,662,415**	**28,946**	**72,572**
Arkansas	3,479,591	4,631,155	586,664	3,435,280	609,211	2,940,035	2,425,632	14,147	37,532
Louisiana	2,266,328	3,655,483	786,889	2,486,972	381,622	2,571,531	1,822,620	9,022	20,753
Oklahoma	12,150	170,158	5,734	143,221	21,203	163,936	135,956	76	2,284
Texas	2,166,128	2,883,356	218,617	2,178,417	486,322	1,895,486	1,278,207	5,701	12,003
Mountain	**810,076**	**1,969,770**	**59,687**	**1,779,788**	**130,315**	**1,728,767**	**1,504,265**	**7,840**	**27,577**
Montana	168,682	167,629	6,388	152,871	8,370	150,844	114,266	665	1,879
Idaho	64,642	375,464	13,670	333,204	28,590	362,303	334,546	1,669	5,112
Wyoming	95,474	245,703	9,021	219,762	16,920	188,327	163,015	1,176	5,251
Colorado	171,656	366,719	5,504	313,039	48,176	305,966	274,922	1,082	4,359
New Mexico	140,219	176,292	15,220	144,750	16,322	151,516	137,570	1,711	3,279
Arizona	39,640	318,931	4,125	313,112	1,694	304,802	278,066	414	1,875
Utah	113,823	156,052	5,600	142,941	7,511	109,518	90,368	1,005	4,772
Nevada	15,940	162,980	139	160,109	2,732	155,491	111,512	118	1,350
Pacific	**1,207,243**	**2,812,138**	**53,073**	**2,493,736**	**265,329**	**2,522,920**	**2,221,618**	**49,285**	**75,255**
Washington	94,924	367,242	9,879	329,166	28,197	351,808	309,818	1,398	4,638
Oregon	4,000	211,182	30,575	153,381	27,226	146,576	116,987	200	4,165
California	1,108,319	2,233,714	12,619	2,011,189	209,906	2,024,446	1,794,813	47,687	66,452

Source: Bureau of the Census, Department of Commerce.

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25.—FARMS—GENERAL STATISTICS

[Data in this section relate to continental United States]

No. 532.—POPULATION, FARMS, AND FARM PROPERTY

[Figures for 1930 relate to Apr. 1, for 1920 and 1925 to Jan. 1, for 1910 to Apr. 15, and for earlier years to June 1]

Item	1850	1890	1900	1910	1920	1925	1930
Total population	23,191,876	62,947,714	75,994,575	91,972,266	105,710,620	[1]114,035,000	122,775,046
Urban		22,298,359	30,380,433	42,166,120	54,304,603	[1] 61,451,000	68,954,823
Rural[2]		40,649,355	45,614,142	49,806,146	51,406,017	[1] 52,584,000	53,820,223
Per cent of total		64.6	60.0	54.2	48.6	46.1	43.8
Farm population[3]					31,614,269	(4)	30,445,350
Per cent of total					29.9	(4)	24.8
Per cent of rural					61.5	(4)	56.6
Number of farms	1,449,073	4,564,641	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648
Acreage in thousands—							
Approximate land area of United States	1,884,376	1,903,338	1,903,462	1,903,290	1,903,215	1,903,217	1,903,217
All lands in farms	293,561	623,219	838,592	878,798	955,884	924,319	986,771
Crop land						391,460	413,236
Pasture land						407,959	464,155
Woodland not pasture						67,067	64,624
All other						57,834	44,757
Per cent of total land area represented by all land in farms	15.6	32.7	44.1	46.2	50.2	48.6	51.8
Average acreage per farm, all land	202.6	136.5	146.2	138.1	148.2	145.1	156.9
Value of all farm property (thousands of dollars)	3,967,344	16,082,268	20,439,901	40,991,449	77,923,652	57,017,740	57,245,544
Land and buildings	3,271,575	13,279,253	16,614,647	34,801,126	66,316,003	49,467,647	47,879,838
Land[5]			13,058,008	28,475,674	54,829,563	37,721,018	34,929,844
Buildings			3,556,639	6,325,452	11,486,440	11,746,629	12,949,994
Implements and machinery	151,588	494,247	749,776	1,265,150	3,594,773	2,691,704	3,301,655
Livestock	544,181	2,308,768	3,075,478	4,925,174	8,012,876	4,858,389	[6] 6,064,051
Per cent of value of all farm property represented by—							
Land and buildings	82.5	82.6	81.3	84.9	85.1	86.8	83.6
Land			63.9	69.5	70.4	66.2	61.0
Buildings			17.4	15.4	14.7	20.6	22.6
Implements and machinery	3.8	3.1	3.7	3.1	4.6	4.7	5.8
Livestock	13.7	14.4	15.0	12.0	10.3	8.5	10.6
Average value of all farm property per farm (dollars)	2,738	3,523	3,563	6,444	12,084	8,949	9,103
Land and buildings	2,258	2,909	2,896	5,471	10,284	7,764	7,614
Land			2,276	4,476	8,503	5,920	5,554
Buildings			620	994	1,781	1,844	2,059
Implements and machinery	105	108	131	199	557	422	525
Livestock	376	506	536	774	1,243	763	964
Average value of all farm property per acre (dollars)	13.51	25.81	24.37	46.64	81.52	61.69	58.01
Land and buildings	11.14	21.31	19.81	39.60	69.38	53.52	48.52
Land			15.57	32.40	57.36	40.81	35.40
Buildings			4.24	7.20	12.02	12.71	13.12
Implements and machinery	.52	.79	.89	1.44	3.76	2.91	3.35
Livestock	1.85	3.70	3.67	5.60	8.38	5.26	6.15

[1] Revised estimates as of Jan. 1, 1925.

[2] For definition of urban and rural population, see headnote, Table 34, p. 45.

[3] The 1930 farm population comprises all persons living on farms without regard to occupation; the 1920 figures include also those farm laborers (and their families) who, while not living on farms, lived outside the limits of any incorporated place. A further difference is due to the fact that the 1920 census was taken in January, while the 1930 census was taken in April, when the number of persons on farms is appreciably larger. For farm population by States see Table 36, p. 47.

[4] Farm population figures were obtained on the farm schedule in the Agricultural Census of 1925, while in 1920 and 1930 they were obtained from the population schedule. Owing to the different method of collecting the information, the 1925 figures are not here presented for comparison with the 1920 and 1930 returns pending a further analysis of the data.

[5] These figures include the value of fences, tile drains, and other incidental improvements on the land, excluding only the value of buildings.

[6] Domestic animals, chickens, and bees.

Source: Bureau of the Census, Department of Commerce.

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No. 533.—NUMBER AND ACREAGE OF FARMS:

Division and State	Number of farms					All land in farms (thousands of acres)		
	1900	1910	1920	1925	1930	1900	1910	1920
United States	5,737,372	6,361,502	6,448,343	6,371,640	6,288,648	838,592	878,798	955,884
New England	191,888	188,802	156,564	159,489	124,925	20,549	19,715	16,991
Maine	59,299	60,016	48,227	50,033	39,006	6,300	6,297	5,426
New Hampshire	29,324	27,053	20,523	21,065	14,906	3,610	3,249	2,604
Vermont	33,104	32,709	29,075	27,786	24,898	4,724	4,664	4,236
Massachusetts	37,715	36,917	32,001	33,454	25,598	3,147	2,876	2,494
Rhode Island	5,498	5,292	4,083	3,911	3,322	456	443	332
Connecticut	26,948	26,815	22,655	23,240	17,195	2,312	2,186	1,899
Middle Atlantic	485,618	468,379	425,147	418,868	357,603	44,860	43,191	40,573
New York	226,720	215,597	193,195	188,754	159,806	22,648	22,030	20,633
New Jersey	34,650	33,487	29,702	29,671	25,378	2,841	2,574	2,283
Pennsylvania	224,248	219,295	202,250	200,443	172,419	19,371	18,587	17,658
East North Central	1,135,823	1,123,489	1,084,744	1,051,572	966,502	116,341	117,929	117,735
Ohio	276,719	272,045	256,695	244,703	219,296	24,502	24,106	23,516
Indiana	221,897	215,485	205,126	195,786	181,570	21,620	21,300	21,063
Illinois	264,151	251,872	237,181	225,601	214,497	32,795	32,523	31,975
Michigan	203,261	206,960	196,447	192,327	169,372	17,562	18,941	19,033
Wisconsin	169,795	177,127	189,295	193,155	181,767	19,863	21,060	22,148
West North Central	1,060,744	1,109,948	1,096,951	1,111,314	1,112,755	201,009	232,648	256,973
Minnesota	154,659	156,137	178,478	188,231	185,255	26,248	27,676	30,222
Iowa	228,622	217,044	213,439	213,490	214,928	34,574	33,931	33,475
Missouri	284,886	277,244	263,004	260,473	255,940	33,998	34,591	34,775
North Dakota	45,332	74,360	77,690	75,970	77,975	15,543	28,427	36,215
South Dakota	52,622	77,644	74,637	79,537	83,157	19,071	26,017	34,636
Nebraska	121,525	129,678	124,417	127,734	129,458	29,912	38,622	42,225
Kansas	173,098	177,841	165,286	165,879	166,042	41,663	43,385	45,425
South Atlantic	962,225	1,111,881	1,158,976	1,108,061	1,058,468	104,298	103,782	97,775
Delaware	9,687	10,836	10,140	10,257	9,707	1,066	1,039	945
Maryland	46,012	48,923	47,908	49,001	43,203	5,170	5,057	4,758
District of Columbia	269	217	204	139	104	8	6	6
Virginia	167,886	184,018	186,242	193,723	170,610	19,908	19,496	18,561
West Virginia	92,874	96,685	87,289	90,380	82,641	10,655	10,026	9,570
North Carolina	224,637	253,725	269,763	283,482	279,708	22,749	22,439	20,022
South Carolina	155,355	176,434	192,693	172,767	157,931	13,985	13,512	12,427
Georgia	224,691	291,027	310,732	249,095	255,598	26,392	26,953	25,441
Florida	40,814	50,016	54,005	59,217	58,966	4,364	5,254	6,047
East South Central	903,313	1,042,480	1,051,600	1,006,052	1,062,214	81,248	81,521	76,897
Kentucky	234,667	259,185	270,626	258,524	246,499	21,979	22,189	21,613
Tennessee	224,623	246,012	252,774	252,669	245,657	20,342	20,042	19,511
Alabama	223,220	262,901	256,099	237,631	257,395	20,685	20,732	19,577
Mississippi	220,803	274,382	272,101	257,228	312,663	18,241	18,558	18,197
West South Central	754,853	943,186	996,088	1,017,305	1,103,134	176,491	169,150	173,449
Arkansas	178,694	214,678	232,604	221,991	242,334	16,637	17,416	17,457
Louisiana	115,969	120,546	135,463	132,450	161,445	11,059	10,439	10,020
Oklahoma[1]	108,000	190,192	191,988	197,218	203,866	22,988	28,859	31,952
Texas	352,190	417,770	436,033	465,646	495,489	125,807	112,435	114,021
Mountain	101,327	183,446	244,109	233,392	241,314	46,397	59,533	117,337
Montana	13,370	26,214	57,677	46,904	47,495	11,844	13,546	35,071
Idaho	17,471	30,807	42,106	40,592	41,674	3,205	5,284	8,376
Wyoming	6,095	10,987	15,748	15,512	16,011	8,125	8,543	11,809
Colorado	24,700	46,170	59,934	58,020	59,956	9,475	13,532	24,462
New Mexico	12,311	35,676	29,844	31,687	31,404	5,131	11,270	24,410
Arizona	5,809	9,227	9,975	10,802	14,173	1,935	1,247	5,802
Utah	19,387	21,676	25,662	25,992	27,159	4,117	3,398	5,050
Nevada	2,184	2,689	3,163	3,883	3,442	2,566	2,715	2,357
Pacific	141,581	189,891	234,164	265,567	261,733	47,400	51,329	56,153
Washington	33,202	56,192	66,288	73,267	70,904	8,499	11,712	13,245
Oregon	35,837	45,502	50,206	55,911	55,153	10,071	11,685	13,542
California	72,542	88,197	117,670	136,409	135,676	28,829	27,931	29,366

[1] Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

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BY STATES, WITH AVERAGES AND PERCENTAGES

All land in farms (thousands of acres)—Continued		Crop land (thousands of acres)		Average acreage per farm				Per cent of total land area in farms				Division and State
1925	1930	1924	1929	1910	1920	1925	1930	1910	1920	1925	1930	
924,319	986,771	391,460	413,236	138.1	148.2	145.1	156.9	46.2	50.2	48.6	51.8	U. S.
15,858	14,283	4,624	4,015	104.4	108.5	99.4	114.3	49.7	42.8	40.0	36.0	N. E.
5,161	4,640	1,644	1,402	104.9	112.5	103.2	119.0	32.9	28.4	27.0	24.3	Me.
2,262	1,960	543	422	120.1	126.9	107.4	131.5	56.2	45.0	39.1	33.9	N. H.
3,926	3,896	1,150	1,128	142.6	145.7	141.3	156.5	79.9	72.5	67.2	66.7	Vt.
2,368	2,006	677	564	77.9	77.9	70.8	78.3	55.9	48.5	46.0	39.0	Mass.
309	279	76	68	83.8	81.2	79.0	84.1	64.9	48.6	45.3	40.9	R. I.
1,832	1,502	534	431	81.5	83.8	78.8	87.4	70.9	61.6	59.4	48.7	Conn.
37,491	35,047	18,645	16,955	92.2	95.4	89.5	98.0	67.5	63.4	58.6	54.8	M. A.
19,270	17,980	9,088	8,154	102.2	106.8	102.1	112.5	72.2	67.7	63.2	59.0	N. Y.
1,925	1,758	1,126	987	76.9	76.8	64.9	69.3	53.5	47.5	40.0	36.6	N. J.
16,296	15,309	8,431	7,814	84.8	87.3	81.3	88.8	64.8	61.5	56.8	53.4	Pa.
112,752	110,891	64,790	63,432	105.0	108.5	107.2	114.7	75.0	74.9	71.7	70.6	E. N. C.
22,219	21,514	11,695	11,269	88.6	91.6	90.8	98.1	92.5	90.2	85.2	82.5	Ohio.
19,915	19,689	11,981	11,722	98.8	102.7	101.7	108.4	92.3	91.3	86.3	85.3	Ind.
30,732	30,695	21,315	21,140	129.1	134.8	136.2	143.1	90.7	89.1	85.7	85.6	Ill.
18,035	17,119	9,671	9,094	91.5	96.9	93.8	101.1	51.5	51.7	49.0	46.5	Mich.
21,851	21,874	10,128	10,207	118.9	117.0	113.1	120.3	59.6	62.6	61.8	61.9	Wis.
248,081	265,488	138,827	150,285	209.6	234.3	223.2	238.6	71.2	78.6	75.9	81.2	W. N. C.
30,059	30,913	18,651	19,491	177.3	169.3	159.7	166.9	53.5	58.4	58.1	59.7	Minn.
33,281	34,019	21,998	22,738	156.3	156.8	155.9	158.3	95.4	94.1	93.6	95.6	Iowa.
32,642	33,743	15,278	15,646	124.8	132.2	125.3	131.8	78.6	79.1	74.2	76.7	Mo.
34,327	38,658	21,864	24,528	382.3	466.1	451.9	495.8	63.3	80.6	76.4	86.1	N. Dak.
32,018	36,470	16,441	19,003	335.1	464.1	402.6	438.6	52.9	70.4	65.1	74.1	S. Dak.
42,025	44,709	20,698	22,344	297.8	339.4	329.0	345.4	78.6	85.9	85.5	91.0	Nebr.
43,729	46,976	23,897	26,535	244.0	274.8	263.6	282.9	82.9	86.8	83.6	89.8	Kans.
88,569	86,363	34,649	34,066	93.3	84.4	79.9	81.6	60.3	56.8	51.4	50.2	S. A.
900	901	519	504	95.9	93.1	87.7	92.8	82.6	75.1	71.5	71.6	Del.
4,433	4,374	2,228	2,129	103.4	99.3	90.5	101.3	79.5	74.8	69.7	68.8	Md.
4	3	2	2	27.9	27.8	27.4	29.5	15.8	14.8	9.6	7.7	D. C.
17,210	16,729	5,368	5,059	105.9	99.7	88.8	98.1	75.7	72.0	66.8	64.9	Va.
8,980	8,802	1,921	1,907	103.7	109.6	99.4	106.5	65.2	62.2	58.4	57.3	W. Va.
18,594	18,055	6,857	7,012	88.4	74.2	65.6	64.5	71.9	64.2	59.6	57.9	N. C.
10,639	10,393	5,036	5,037	76.6	64.5	61.6	65.8	69.2	63.7	54.5	53.3	S. C.
21,945	22,079	10,696	10,447	92.6	81.9	88.1	86.4	71.7	67.7	58.4	58.7	Ga.
5,865	5,027	2,022	1,969	105.0	112.0	99.0	85.2	15.0	17.2	16.7	14.3	Fla.
70,607	72,818	28,817	30,247	78.2	75.0	70.2	68.6	71.0	68.7	61.5	63.4	E. S. C.
19,913	19,928	6,827	6,927	85.6	79.9	77.0	80.8	86.3	84.0	77.4	77.5	Ky.
17,901	18,003	7,589	7,666	81.5	77.2	70.8	73.3	75.1	73.1	67.1	67.5	Tenn.
16,739	17,555	7,692	8,199	78.9	76.4	70.4	68.2	63.2	59.7	51.0	53.5	Ala.
16,053	17,332	6,709	7,455	67.6	66.9	62.4	55.4	62.5	61.3	54.1	58.4	Miss.
165,013	183,906	56,809	64,747	179.3	174.1	162.2	166.7	61.5	63.1	60.0	66.9	W. S. C.
15,632	16,053	7,323	7,907	81.1	75.0	70.4	66.2	51.8	51.9	46.5	47.8	Ark.
8,838	9,355	4,279	4,741	86.6	74.0	66.7	57.9	35.9	34.5	30.4	32.2	La.
30,869	33,791	15,838	17,333	151.7	166.4	156.5	165.8	65.0	71.9	69.5	76.1	Okla.
109,674	124,707	29,369	34,766	269.1	261.5	235.5	251.7	67.0	67.9	65.3	74.3	Tex.
131,689	157,450	25,587	30,651	324.5	480.7	564.2	652.5	10.8	21.3	24.0	28.6	Mt.
32,736	44,659	8,474	11,399	516.7	608.1	697.9	940.3	14.5	37.5	35.0	47.8	Mont.
8,116	9,347	3,714	4,073	171.5	198.9	199.9	224.3	9.9	15.7	15.2	17.5	Idaho.
18,663	23,525	1,878	2,293	777.6	749.9	1,203.2	1,469.3	13.7	18.9	29.9	37.7	Wyo.
24,167	28,876	7,199	8,449	293.1	408.1	416.5	481.6	20.4	36.9	36.4	43.5	Colo.
27,850	30,822	1,785	1,799	315.9	817.9	878.9	981.5	14.4	31.1	35.5	39.3	N. Mex.
11,065	10,527	578	649	135.1	581.7	1,024.4	742.7	1.7	8.0	15.2	14.5	Ariz.
5,001	5,613	1,425	1,495	156.7	196.8	192.4	206.7	6.5	9.6	9.5	10.7	Utah.
4,091	4,081	534	494	1,009.6	745.2	1,053.5	1,185.6	3.9	3.4	5.8	5.8	Nev.
54,258	60,525	18,712	18,838	270.3	239.8	204.3	231.2	25.2	27.6	26.7	29.7	Pac.
12,610	13,534	6,084	6,275	208.4	199.8	172.1	190.9	27.4	31.0	29.5	31.6	Wash.
14,131	16,549	4,227	4,173	256.8	269.7	252.7	300.1	19.1	22.1	23.1	27.0	Oreg.
27,517	30,442	8,401	8,390	316.7	249.6	201.7	224.4	28.0	29.5	27.6	30.6	Calif.

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No. 534.—VALUE OF FARM PROPERTY: ALL PROPERTY, LAND,

[All amounts in

Division and State	Value of all farm property				Value of land			
	1910	1920	1925	1930	1910	1920	1925	1930
United States	40,991,449	77,923,652	57,017,740	57,245,544	28,475,674	54,829,563	37,721,018	34,929,845
New England	867,240	1,173,020	1,091,545	1,156,353	382,134	488,125	413,932	440,972
Maine	199,272	270,527	245,869	248,696	86,481	114,412	97,524	95,621
New Hampshire	103,704	118,656	107,084	99,601	44,519	47,425	37,226	32,179
Vermont	145,400	222,737	180,912	202,839	58,385	82,938	63,865	63,619
Massachusetts	226,474	300,472	293,405	303,837	105,533	127,654	110,437	118,200
Rhode Island	32,991	33,637	33,446	41,111	15,010	14,509	13,543	16,614
Connecticut	159,400	226,992	230,829	260,269	72,206	101,187	91,337	114,739
Middle Atlantic	2,959,589	3,949,684	3,478,716	3,602,634	1,462,321	1,661,676	1,332,457	1,282,272
New York	1,451,481	1,908,483	1,706,930	1,711,762	707,748	793,336	646,980	600,085
New Jersey	254,833	311,848	311,084	355,388	124,143	142,182	130,331	152,491
Pennsylvania	1,253,275	1,729,353	1,460,702	1,535,484	630,430	726,158	555,146	529,696
East North Central	10,119,128	17,245,363	12,592,988	11,116,009	7,231,699	12,046,074	7,969,004	6,169,552
Ohio	1,902,695	3,095,666	2,236,902	2,012,937	1,285,895	2,015,113	1,299,024	1,032,210
Indiana	1,809,135	3,042,311	1,931,742	1,677,993	1,328,197	2,202,566	1,268,777	958,634
Illinois	3,905,321	6,666,767	4,627,965	3,786,661	3,090,411	5,250,295	3,426,455	2,555,100
Michigan	1,088,858	1,763,335	1,523,977	1,428,817	615,258	959,187	764,871	638,023
Wisconsin	1,413,119	2,677,283	2,272,402	2,209,601	911,938	1,618,913	1,209,878	985,585
West North Central	13,535,310	27,991,035	18,879,178	18,146,431	10,052,561	21,340,145	13,303,048	11,643,370
Minnesota	1,476,412	3,787,420	2,761,684	2,668,124	1,019,102	2,750,328	1,796,600	1,453,960
Iowa	3,745,861	8,524,471	5,602,078	4,992,485	2,801,974	6,679,021	3,969,814	3,186,980
Missouri	2,052,917	3,591,068	2,286,639	2,149,429	1,445,982	2,594,193	1,562,725	1,305,949
North Dakota	974,814	1,759,743	1,191,037	1,186,659	730,380	1,279,314	813,722	720,077
South Dakota	1,166,097	2,823,870	1,658,921	1,579,241	902,607	2,231,432	1,201,015	1,033,288
Nebraska	2,079,819	4,201,656	2,874,478	2,934,898	1,614,539	3,330,222	2,125,792	2,048,664
Kansas	2,039,390	3,302,806	2,504,340	2,695,595	1,537,977	2,475,635	1,833,379	1,894,452
South Atlantic	2,951,201	6,132,918	4,659,177	4,471,400	1,883,350	4,000,682	2,980,771	2,578,136
Delaware	63,179	80,138	72,798	83,272	34,938	42,116	34,435	35,230
Maryland	286,167	463,638	397,093	425,248	163,452	259,904	207,274	198,454
Dist. of Columbia	8,477	5,928	5,003	7,346	7,194	4,156	2,564	6,140
Virginia	625,065	1,196,556	999,466	992,825	394,659	756,354	600,676	533,908
West Virginia	314,739	496,440	411,159	411,787	207,076	307,310	251,793	222,764
North Carolina	537,716	1,250,167	1,050,016	965,351	343,165	857,815	686,425	573,758
South Carolina	392,128	953,065	523,084	439,680	268,775	647,157	347,087	260,135
Georgia	580,546	1,356,685	686,673	683,435	370,353	897,445	433,649	394,892
Florida	143,183	330,302	513,884	462,456	93,738	228,425	416,869	352,855
East South Central	2,182,772	4,419,417	2,898,526	3,227,571	1,326,827	2,916,141	1,827,823	1,875,271
Kentucky	773,798	1,511,901	963,569	1,029,613	484,465	1,050,753	616,214	594,982
Tennessee	612,521	1,251,916	883,646	893,843	371,416	807,782	555,943	515,651
Alabama	370,138	690,849	500,740	611,301	216,944	415,764	308,664	354,039
Mississippi	426,315	964,752	550,571	692,814	254,002	641,842	347,002	410,599
West South Central	3,838,154	7,622,066	5,696,760	6,863,760	2,716,099	5,408,060	4,176,964	4,815,599
Arkansas	400,089	924,395	628,846	649,877	246,021	607,773	420,735	407,920
Louisiana	301,221	589,827	385,911	501,826	187,803	383,618	251,738	313,558
Oklahoma [2]	918,199	1,660,424	1,210,135	1,477,741	649,067	1,171,459	879,335	1,031,251
Texas	2,218,645	4,447,420	3,471,867	4,234,316	1,633,207	3,245,209	2,625,157	3,062,870
Mountain	1,757,573	4,083,138	2,758,216	3,262,155	1,174,370	2,801,712	1,838,980	2,038,198
Montana	347,829	985,961	574,897	708,364	226,771	691,912	389,514	442,941
Idaho	305,317	716,138	451,885	528,914	219,953	511,866	309,769	340,256
Wyoming	167,180	334,411	240,396	306,587	88,908	210,947	148,168	174,464
Colorado	491,472	1,076,795	712,285	795,387	362,822	763,723	493,974	510,955
New Mexico	159,448	325,186	236,301	293,138	98,806	196,341	152,033	180,721
Arizona	75,124	233,593	194,049	243,458	42,350	156,563	126,788	160,854
Utah	150,795	311,275	250,318	289,118	99,482	210,998	169,703	174,341
Nevada	60,399	99,780	98,086	97,189	35,277	59,362	59,031	53,666
Pacific	2,780,482	5,307,011	4,962,634	5,399,231	2,246,314	4,166,948	3,878,038	4,086,475
Washington	637,543	1,057,430	823,438	887,834	517,422	797,651	584,386	608,373
Oregon	528,244	818,560	714,410	755,897	411,696	586,242	505,141	501,947
California	1,614,695	3,431,022	3,424,786	3,755,500	1,317,195	2,783,055	2,788,511	2,976,155

[1] Domestic animals, chickens, and bees in 1930.
[2] Figures for 1900 include Indian Territory.

Source: Bureau of the Census, Department of Commerce.

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Buildings, Implements and Machinery, and Livestock, By States

thousands of dollars]

Value of buildings				Value of implements and machinery			Value of livestock [1]			Division and State
1910	1920	1925	1930	1920	1925	1930	1920	1925	1930	
6,335,452	11,486,440	11,746,629	12,949,994	3,594,773	2,691,704	3,301,654	8,012,876	4,858,389	6,064,051	U. S.
336,410	429,343	491,695	499,741	92,388	82,334	91,881	163,163	103,584	123,759	N. E.
73,138	89,697	99,746	98,659	26,638	24,491	28,383	39,780	24,108	26,034	Me.
41,397	42,571	49,407	45,177	9,499	8,988	8,912	19,161	11,463	13,334	N. H.
54,203	76,179	73,406	82,316	21,234	18,130	20,767	42,385	25,511	36,136	Vt.
88,636	119,934	144,166	143,023	19,360	17,044	18,730	33,524	21,758	23,884	Mass.
12,923	11,879	14,377	17,893	2,409	2,064	2,718	4,840	3,462	3,886	R. I.
66,113	89,084	110,594	112,673	13,248	11,616	12,371	23,473	17,282	20,485	Conn.
980,628	1,340,462	1,467,377	1,535,496	359,152	333,490	355,438	588,394	345,393	429,427	M. A.
476,998	631,726	720,145	715,820	169,867	169,385	173,606	313,555	170,419	222,251	N. Y.
92,991	108,141	132,205	146,355	25,459	23,452	27,076	36,065	25,095	29,466	N. J.
410,639	600,594	615,026	673,321	163,826	140,652	154,756	238,775	149,878	177,710	Pa.
1,642,292	2,891,568	3,054,655	3,167,238	786,077	567,871	626,208	1,521,644	1,001,458	1,153,010	E. N. C.
368,258	646,323	646,607	660,821	146,575	97,893	103,176	287,655	193,378	216,730	Ohio.
266,079	451,078	426,964	456,908	127,403	79,740	86,778	261,264	156,262	175,672	Ind.
432,381	747,699	773,004	780,949	222,620	147,104	160,413	446,154	281,402	290,199	Ill.
285,880	477,500	519,191	522,628	122,390	96,253	105,562	204,259	143,662	162,604	Mich.
289,694	568,969	688,889	745,932	167,089	146,883	170,279	322,312	226,754	307,805	Wis.
1,562,105	3,129,350	3,227,843	3,515,160	1,162,938	816,333	1,091,603	2,358,601	1,531,954	1,896,299	W. N. C.
243,339	550,840	597,142	671,134	181,088	137,966	181,767	305,164	229,977	301,263	Minn.
455,406	922,752	984,632	1,037,526	309,172	227,282	270,516	613,526	420,349	497,463	Iowa.
270,222	468,774	440,561	490,297	138,261	75,955	94,522	389,839	207,398	258,661	Mo.
92,277	209,208	206,381	231,149	114,187	76,631	118,744	157,035	94,303	116,690	N. D.
192,474	241,462	236,273	251,865	112,408	75,411	107,344	238,568	146,222	186,744	S. D.
198,808	381,885	398,282	446,539	153,104	111,799	150,925	336,444	238,605	288,770	Nebr.
199,580	354,429	364,572	386,650	154,717	111,288	167,785	318,025	195,100	246,708	Kans.
603,087	1,201,092	1,118,178	1,273,943	283,981	195,639	202,947	647,163	364,594	416,375	S. A.
18,218	22,640	25,241	31,711	6,781	5,906	7,285	8,601	7,217	9,045	Del.
78,286	126,693	134,087	157,716	28,970	22,885	25,682	48,071	32,846	43,395	Md.
1,037	1,421	1,231	1,003	104	108	93	246	100	109	D. C.
137,399	268,081	286,138	321,942	50,151	40,021	44,319	121,969	72,631	92,656	Va.
57,315	103,474	104,361	119,213	18,395	15,687	15,268	67,261	39,319	54,544	W. Va.
113,460	218,578	239,601	270,364	54,621	40,437	42,212	119,153	77,554	79,018	N. C.
64,113	166,327	110,536	119,055	48,062	23,105	21,425	91,518	42,357	39,065	S. C.
108,851	240,854	153,905	182,447	63,343	26,986	31,217	155,043	72,133	74,880	Ga.
24,408	53,025	63,073	70,492	13,552	14,504	15,446	35,301	20,439	23,663	Fla.
411,571	747,552	653,007	810,093	176,065	123,550	157,459	579,659	294,147	384,748	E. S. C.
150,995	254,406	231,213	276,467	48,355	30,629	36,547	158,387	85,513	121,618	Ky.
109,107	217,198	203,483	227,571	53,463	40,746	45,758	173,473	83,473	104,862	Tenn.
71,309	127,894	106,195	148,332	34,366	23,851	33,545	112,825	62,031	75,385	Ala.
80,160	148,054	112,116	157,723	39,881	28,323	41,609	134,974	63,129	82,883	Miss.
412,498	883,128	782,469	990,552	311,099	252,866	336,335	1,019,779	484,460	721,275	W. S. C.
63,145	145,337	119,992	139,909	43,432	31,255	33,116	127,853	56,865	68,933	Ark.
49,741	90,421	72,940	104,634	32,715	21,333	28,174	83,073	39,900	55,460	La.
89,611	192,406	169,422	211,472	80,631	58,379	92,858	215,928	102,998	142,160	Okla.
210,001	454,965	420,114	534,537	154,321	141,899	182,187	592,926	284,698	454,722	Tex.
145,027	361,476	334,002	420,285	190,716	129,257	210,944	729,234	455,977	592,728	Mt.
24,855	84,855	65,881	84,669	55,004	30,633	62,070	154,190	88,869	118,684	Mont.
25,113	69,646	63,557	76,994	38,417	26,526	39,749	96,209	52,033	71,915	Idaho.
9,007	23,801	24,508	32,388	11,778	9,172	17,618	87,885	58,548	82,117	Wyo.
45,697	102,291	98,481	118,392	49,805	33,473	50,241	160,977	86,357	115,799	Colo.
13,025	25,473	22,884	27,138	9,745	8,712	12,997	93,626	52,671	72,282	N. M.
4,936	15,763	17,226	23,377	8,821	6,928	10,414	52,447	43,107	48,813	Ariz.
18,063	32,754	32,499	46,882	13,515	10,097	13,636	54,008	48,019	54,258	Utah.
4,333	6,893	8,966	10,445	3,631	3,715	4,219	29,894	26,374	28,860	Nev.
231,833	502,469	617,409	737,486	232,358	190,365	228,839	405,237	276,822	346,430	Pac.
54,546	122,741	142,504	165,289	54,721	41,235	50,512	82,316	55,313	63,659	Wash.
43,880	88,971	110,927	128,881	41,567	35,643	42,586	101,779	62,699	82,483	Oreg.
133,406	290,756	363,977	443,316	136,069	113,488	135,741	221,141	158,810	200,288	Calif.

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No. 535.—CLASSIFICATION OF FARM LAND: By States, 1930

Note.—For total land in farms, see Table 533

[All figures in thousands of acres]

Division and State	Crop land				Land in pasture				Woodland not pasture	All other land
	Total	Harvested in 1929	Crop failure in 1929	Idle or fallow	Total	Plowable	Woodland	Other		
United States	413,236	359,242	12,707	41,287	464,155	109,160	85,822	269,673	64,624	44,757
New England	4,015	3,659	41	315	6,266	964	3,147	2,155	3,253	749
Maine	1,402	1,304	6	91	1,637	259	879	499	1,362	239
New Hampshire	422	380	4	38	933	106	576	250	495	110
Vermont	1,128	1,074	7	48	2,192	274	1,018	900	486	90
Massachusetts	564	474	10	80	753	162	345	247	518	170
Rhode Island	68	55	2	11	100	35	38	27	84	27
Connecticut	431	372	12	47	651	128	291	232	308	113
Middle Atlantic	16,955	14,324	336	2,296	12,216	4,353	3,334	4,529	3,943	1,933
New York	8,154	6,959	169	1,026	7,300	2,376	1,949	2,975	1,685	840
New Jersey	987	777	20	191	340	198	47	95	232	199
Pennsylvania	7,814	6,588	147	1,079	4,576	1,779	1,338	1,459	2,026	894
East North Central	63,432	56,644	1,595	5,193	36,316	14,628	12,548	9,140	4,527	6,616
Ohio	11,269	10,116	227	927	8,038	3,702	1,854	2,421	920	1,287
Indiana	11,722	10,214	348	1,161	5,956	2,810	1,834	1,312	785	1,224
Illinois	21,140	18,958	701	1,480	7,607	4,092	2,010	1,506	732	1,217
Michigan	9,094	7,738	197	1,159	5,892	2,064	2,410	1,418	825	1,308
Wisconsin	10,207	9,618	122	466	8,823	1,900	4,440	2,483	1,265	1,580
West North Central	150,285	138,716	4,058	7,511	98,214	34,406	13,261	50,547	4,498	12,491
Minnesota	19,491	18,445	255	790	8,248	2,249	3,656	2,342	1,090	2,085
Iowa	22,738	22,276	232	231	9,509	4,982	1,969	2,558	245	1,528
Missouri	15,646	13,176	806	1,665	14,297	7,018	5,262	2,017	2,438	1,361
North Dakota	24,528	21,265	854	2,419	10,758	3,183	400	7,176	158	3,213
South Dakota	19,003	17,856	583	563	15,917	5,707	395	9,815	96	1,455
Nebraska	22,344	21,399	360	584	20,798	4,160	798	15,840	143	1,424
Kansas	26,535	24,309	968	1,259	18,687	7,107	781	10,799	328	1,425
South Atlantic	34,086	27,520	568	5,979	21,794	7,786	9,067	4,942	24,668	5,834
Delaware	504	408	9	88	122	83	16	24	188	86
Maryland	2,129	1,742	18	370	959	539	205	215	1,008	279
Dist. of Columbia	2	2	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Virginia	5,059	3,975	80	1,002	5,593	2,925	1,528	1,140	5,167	910
West Virginia	1,907	1,655	25	227	4,511	1,718	1,121	1,672	2,008	376
North Carolina	7,012	5,810	129	1,074	2,845	888	1,424	534	6,902	1,295
South Carolina	5,037	4,137	97	803	1,793	351	1,052	390	2,851	712
Georgia	10,447	8,337	164	1,946	4,652	980	2,880	791	5,493	1,488
Florida	1,969	1,164	46	469	1,319	302	841	176	1,051	688
East South Central	30,247	25,148	600	4,499	22,737	10,845	8,076	3,816	14,844	4,990
Kentucky	6,927	5,331	150	1,446	8,120	5,395	1,403	1,322	3,394	1,487
Tennessee	7,666	6,106	146	1,414	5,168	2,751	1,528	888	3,885	1,285
Alabama	8,199	7,114	157	928	4,105	1,204	2,291	611	4,195	1,055
Mississippi	7,455	6,597	147	711	5,344	1,495	2,854	995	3,370	1,163
West South Central	64,747	56,837	2,863	5,046	107,609	16,491	20,997	70,121	6,854	4,696
Arkansas	7,907	6,582	232	1,093	3,792	1,170	2,064	558	3,379	974
Louisiana	4,741	4,068	130	543	2,235	916	917	402	1,742	638
Oklahoma	17,333	15,553	698	1,082	14,640	3,249	3,567	7,824	493	1,326
Texas	34,766	30,634	1,803	2,328	86,942	11,156	14,449	61,337	1,240	1,758
Mountain	30,651	23,279	2,063	5,309	121,392	15,217	6,839	99,336	591	4,817
Montana	11,399	7,841	789	2,769	31,676	4,695	1,642	25,340	178	1,406
Idaho	4,073	3,150	87	836	4,392	379	736	3,276	124	758
Wyoming	2,293	2,008	96	189	20,837	2,322	468	18,047	48	348
Colorado	8,449	6,750	858	840	19,338	4,215	1,411	13,713	131	958
New Mexico	1,799	1,494	98	207	28,494	3,198	1,752	23,544	66	463
Arizona	649	478	35	135	9,682	102	597	8,983	20	176
Utah	1,495	1,160	48	288	3,662	228	177	3,257	14	442
Nevada	494	398	52	45	3,311	78	56	3,176	10	265
Pacific	18,838	13,115	583	5,139	37,611	4,470	8,053	25,087	1,446	2,631
Washington	6,275	3,659	178	2,438	6,241	578	1,488	4,175	386	631
Oregon	4,173	2,906	111	1,155	11,379	817	2,619	7,942	503	495
California	8,390	6,550	294	1,546	19,991	3,075	3,946	12,970	557	1,505

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

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No. 536.—AVERAGE VALUES PER FARM AND PER ACRE: By States

Division and State	Average value per farm (dollars)							Average value of land per acre (dollars)			
	All farm property				Land and buildings						
	1910	1920	1925	1930	1920	1925	1930	1910	1920	1925	1930
United States	6,444	12,084	8,949	9,103	10,284	7,764	7,614	32.40	57.36	40.81	35.40
New England	4,593	7,492	6,844	9,256	5,860	5,678	7,530	19.38	28.73	26.10	30.87
Maine	3,320	5,609	4,914	6,376	4,232	3,943	4,981	13.73	21.09	18.89	20.61
New Hampshire	3,833	5,782	5,084	6,682	4,385	4,113	5,190	13.70	18.21	16.46	16.42
Vermont	4,445	7,661	6,511	8,147	5,473	4,940	5,861	12.52	19.58	16.27	16.33
Massachusetts	6,135	9,389	8,770	11,870	7,737	7,611	10,205	36.69	51.17	46.64	58.94
Rhode Island	6,234	8,238	8,552	12,376	6,463	7,139	10,388	33.86	43.75	43.83	59.47
Connecticut	5,944	10,019	9,932	15,136	8,399	8,689	13,226	33.03	53.28	49.85	76.38
Middle Atlantic	6,319	9,290	8,305	10,074	7,061	6,684	7,880	33.86	40.96	35.54	36.59
New York	6,732	9,879	9,043	10,712	7,376	7,243	8,234	32.13	38.45	33.57	33.38
New Jersey	7,610	10,499	10,484	14,004	8,428	8,848	11,776	48.23	62.29	67.72	66.74
Pennsylvania	5,715	8,551	7,287	8,906	6,560	5,838	6,977	33.92	41.12	34.07	34.60
East North Central	9,007	15,898	11,975	11,501	13,771	10,483	9,660	61.32	102.31	70.68	55.64
Ohio	6,994	12,060	9,141	9,179	10,368	7,951	7,720	53.34	85.69	58.46	47.98
Indiana	8,396	14,831	9,867	9,242	12,937	8,661	7,796	62.36	104.57	63.71	48.69
Illinois	15,505	28,108	20,514	17,654	25,289	18,615	15,553	95.02	164.20	111.49	83.24
Michigan	5,261	8,976	7,924	8,436	7,313	6,676	6,853	32.48	50.40	42.41	37.27
Wisconsin	7,978	14,143	11,765	12,156	11,558	9,830	9,526	43.30	73.09	55.37	45.06
West North Central	12,195	25,517	16,988	16,308	22,307	14,875	13,623	43.21	83.04	53.62	43.86
Minnesota	9,456	21,221	14,672	14,079	18,496	12,717	11,471	36.82	91.00	59.77	47.03
Iowa	17,259	39,939	26,240	23,229	35,616	23,207	19,655	82.58	199.52	119.28	93.68
Missouri	7,405	13,654	8,779	8,398	11,646	7,691	7,018	41.80	74.60	47.87	38.70
North Dakota	13,109	22,651	15,678	15,218	19,160	13,428	12,199	25.69	35.33	23.70	18.63
South Dakota	15,018	37,835	20,857	18,991	33,132	18,071	15,455	34.69	64.42	37.51	28.33
Nebraska	16,038	33,771	22,504	22,671	29,836	19,760	19,274	41.80	78.87	50.58	45.82
Kansas	11,467	19,982	15,097	16,234	17,122	13,250	13,738	35.45	54.50	41.93	40.33
South Atlantic	2,654	5,292	4,205	4,224	4,488	3,699	3,639	18.15	40.92	33.65	29.85
Delaware	5,830	7,903	7,097	8,579	6,386	5,818	6,896	33.63	44.59	38.28	39.11
Maryland	5,849	9,678	8,104	9,843	8,070	6,966	8,244	32.32	54.62	46.75	45.37
District of Columbia	39,062	29,059	35,992	70,633	27,340	34,500	68,690	1,186.53	733.27	934.71	1,999.57
Virginia	3,397	6,425	5,159	5,819	5,501	4,578	5,016	20.24	40.75	34.90	31.92
West Virginia	3,255	5,687	4,549	4,983	4,706	3,941	4,138	20.65	32.11	28.04	25.31
North Carolina	2,119	4,634	3,704	3,451	3,990	3,267	3,018	15.29	42.84	36.92	31.78
South Carolina	2,223	4,946	3,028	2,784	4,222	2,649	2,401	19.89	52.08	32.62	25.03
Georgia	1,995	4,366	2,757	2,674	3,663	2,359	2,259	13.74	35.28	19.70	17.89
Florida	2,863	6,116	8,678	7,843	5,212	8,088	7,179	17.84	37.78	70.91	70.20
East South Central	2,094	4,203	2,881	3,039	3,484	2,466	2,528	16.28	36.96	25.89	25.75
Kentucky	2,986	5,587	3,727	4,177	4,823	3,278	3,535	21.83	48.62	30.95	29.86
Tennessee	2,490	4,953	3,497	3,639	4,055	3,006	3,025	18.53	41.40	31.06	28.64
Alabama	1,408	2,698	2,107	2,375	2,123	1,746	1,952	10.46	21.24	18.44	20.17
Mississippi	1,554	3,546	2,140	2,216	2,903	1,785	1,818	13.69	35.27	21.62	23.69
West South Central	4,069	7,652	5,600	6,222	6,316	4,875	5,263	16.06	31.18	25.31	26.19
Arkansas	1,864	3,974	2,833	2,682	3,238	2,436	2,261	14.13	34.82	26.91	25.41
Louisiana	2,499	4,354	2,914	3,108	3,499	2,451	2,590	17.99	38.29	28.49	33.52
Oklahoma	4,828	8,649	6,136	7,249	7,104	5,318	6,096	22.49	36.66	28.49	30.52
Texas	5,311	10,200	7,456	8,546	8,486	6,540	7,260	14.53	28.46	23.94	24.56
Mountain	9,581	16,727	11,818	13,518	12,958	9,310	10,188	19.73	23.88	13.96	12.95
Montana	13,269	17,095	12,257	14,914	13,468	9,709	11,109	16.74	19.73	11.90	9.92
Idaho	9,911	17,008	11,132	12,692	13,811	9,197	10,012	41.63	61.11	38.17	36.40
Wyoming	15,217	21,235	15,497	19,149	14,907	11,132	12,919	10.41	17.86	7.94	7.42
Colorado	10,645	17,966	12,277	13,266	14,449	10,211	10,497	26.81	31.22	20.44	17.69
New Mexico	4,469	10,896	7,457	9,334	7,432	5,520	6,619	8.77	8.04	5.46	5.86
Arizona	8,142	23,418	17,964	17,178	17,276	13,332	12,999	33.97	26.98	11.46	15.28
Utah	6,957	12,130	9,631	10,645	9,499	7,395	8,145	29.28	41.78	31.94	31.06
Nevada	22,462	31,546	25,260	28,236	20,947	17,512	18,626	12.99	25.18	14.43	13.15
Pacific	14,643	22,664	18,686	20,629	19,941	16,926	18,431	43.76	74.21	71.47	67.52
Washington	11,346	15,952	11,239	12,522	13,885	9,921	10,911	44.18	60.22	46.34	44.95
Oregon	11,609	16,304	12,778	13,705	13,449	11,019	11,438	35.23	43.29	35.75	30.33
California	18,308	29,158	25,107	27,680	26,122	23,111	25,203	47.16	94.77	101.34	97.76

Source: Bureau of the Census, Department of Commerce.

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No. 537.—NUMBER OF FARMS: By Size and by States

Division and State	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 259 acres	260 to 499 acres	500 to 999 acres	1,000 acres and over
United States:									
1900	5,737,372	673,870	1,257,496	1,366,038	1,422,262	490,069	377,951	102,526	47,160
1910	6,361,502	839,166	1,414,376	1,438,069	1,516,286	534,191	443,984	125,295	50,135
1920	6,448,343	796,535	1,503,732	1,474,745	1,449,630	530,800	475,677	149,819	67,405
1925	6,371,640	966,584	1,450,643	1,421,078	1,383,777	503,417	438,961	143,852	63,328
1930	**6,288,648**	**918,121**	**1,440,388**	**1,374,965**	**1,342,927**	**520,593**	**451,388**	**159,696**	**80,620**
New England	**124,925**	**19,977**	**20,284**	**29,740**	**30,656**	**13,774**	**8,329**	**1,773**	**392**
Maine	39,006	3,507	5,211	11,227	11,640	4,544	2,331	454	92
New Hampshire	14,906	1,870	2,314	3,584	3,670	1,803	1,221	354	90
Vermont	24,898	2,697	2,268	4,129	7,396	4,535	3,195	590	88
Massachusetts	25,598	7,589	5,869	5,491	3,982	1,505	877	211	74
Rhode Island	3,322	850	729	817	572	193	118	32	11
Connecticut	17,195	3,464	3,893	4,492	3,396	1,194	587	132	37
Middle Atlantic	**357,603**	**53,337**	**56,885**	**100,639**	**98,813**	**32,186**	**13,744**	**1,666**	**333**
New York	159,806	19,428	21,531	41,529	47,966	19,095	9,093	995	169
New Jersey	25,378	7,587	5,425	5,732	4,946	1,156	425	72	35
Pennsylvania	172,419	26,322	29,929	53,378	45,901	11,935	4,226	599	129
East North Central	**966,502**	**82,339**	**135,908**	**280,162**	**301,247**	**109,222**	**51,631**	**5,301**	**692**
Ohio	219,296	24,909	33,734	71,160	63,920	17,790	6,888	791	104
Indiana	181,570	19,603	27,866	52,199	53,155	18,731	8,949	953	114
Illinois	214,497	16,839	21,654	41,678	72,347	38,124	21,604	2,061	190
Michigan	169,372	12,235	32,184	57,749	47,723	13,403	5,275	636	167
Wisconsin	181,767	8,753	20,470	57,376	64,102	21,174	8,915	860	117
West North Central	**1,112,755**	**65,160**	**82,749**	**159,211**	**337,884**	**174,206**	**202,614**	**68,644**	**22,287**
Minnesota	185,255	8,163	14,966	33,150	66,698	33,094	25,881	3,100	233
Iowa	214,928	15,522	12,178	32,209	84,722	42,615	25,546	2,002	134
Missouri	255,940	22,103	39,787	60,119	74,138	33,792	21,658	3,760	583
North Dakota	77,975	703	826	1,351	9,641	5,505	33,450	21,066	5,433
South Dakota	83,157	1,626	1,537	3,038	18,034	10,739	29,559	13,401	5,223
Nebraska	129,458	6,039	4,191	10,118	41,731	23,010	28,135	10,260	5,974
Kansas	166,042	11,004	9,264	19,226	42,920	25,481	38,385	15,055	4,707
South Atlantic	**1,058,488**	**192,363**	**345,867**	**262,862**	**157,143**	**54,079**	**33,470**	**9,615**	**3,089**
Delaware	9,707	1,319	2,062	2,815	2,305	776	371	51	8
Maryland	43,203	8,425	7,835	9,521	10,341	4,370	2,252	389	70
Dist. of Columbia	104	66	30	3	1	2	1	1	------
Virginia	170,610	33,558	41,361	40,242	31,258	12,443	8,600	2,483	665
West Virginia	82,641	11,364	16,755	23,990	18,049	6,865	4,169	1,113	336
North Carolina	279,708	57,893	97,502	72,673	35,682	9,604	4,930	1,121	303
South Carolina	157,931	35,916	63,297	33,318	15,448	4,919	3,408	1,167	458
Georgia	255,598	26,049	97,150	69,751	37,853	12,976	8,180	2,722	917
Florida	58,966	17,773	19,875	10,549	6,206	2,124	1,559	558	312
East South Central	**1,062,214**	**229,788**	**381,738**	**234,993**	**140,103**	**43,313**	**24,568**	**5,895**	**1,816**
Kentucky	246,499	50,694	56,673	67,210	47,908	14,870	7,437	1,407	300
Tennessee	245,657	46,585	77,665	63,382	38,183	11,925	6,344	1,312	261
Alabama	257,395	38,755	115,123	59,817	27,889	8,385	5,259	1,527	640
Mississippi	312,663	93,754	132,277	44,584	26,123	8,133	5,528	1,649	615
West South Central	**1,103,134**	**153,202**	**326,965**	**244,315**	**212,422**	**68,182**	**61,435**	**21,891**	**14,722**
Arkansas	242,334	48,680	98,162	49,921	30,492	8,665	4,985	1,091	338
Louisiana	161,445	46,248	75,082	22,550	10,379	3,026	2,511	979	670
Oklahoma	203,866	12,172	33,055	48,362	64,685	17,565	20,704	5,490	1,833
Texas	495,489	46,102	120,666	123,482	106,866	38,926	33,235	14,331	11,881
Mountain	**241,314**	**34,966**	**27,638**	**28,319**	**36,631**	**14,220**	**39,517**	**33,503**	**26,520**
Montana	47,495	1,610	1,477	2,161	5,551	2,496	11,432	12,267	10,501
Idaho	41,674	4,618	7,091	9,010	8,547	3,377	5,084	2,702	1,245
Wyoming	16,011	477	486	1,039	2,194	969	2,966	3,795	4,085
Colorado	59,956	7,452	4,728	5,990	10,499	3,952	13,100	8,982	5,253
New Mexico	31,404	8,889	4,211	2,524	3,472	1,138	4,008	3,726	3,436
Arizona	14,173	4,930	2,872	1,822	1,984	442	724	681	718
Utah	27,159	6,617	6,268	5,235	3,805	1,617	1,794	1,030	793
Nevada	3,442	373	505	538	579	229	409	320	489
Pacific	**261,733**	**86,989**	**62,354**	**34,724**	**28,028**	**11,411**	**16,030**	**11,408**	**10,789**
Washington	70,904	23,394	16,833	9,414	7,774	2,768	4,464	3,518	2,739
Oregon	55,153	12,666	10,573	8,932	8,693	3,667	4,597	3,029	2,996
California	135,676	50,929	34,948	16,378	11,561	4,976	6,969	4,861	5,054

Source: Bureau of the Census, Department of Commerce.

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No. 538.—NUMBER AND ACREAGE OF FARMS: BY SIZE, FOR EACH DIVISION

NOTE.—For totals for United States see Tables 537 and 540

Items, year, and division	Total	Under 20 acres	20 to 49 acres	50 to 99 acres	100 to 174 acres	175 to 499 acres	500 to 999 acres	1,000 acres and over
	Number of farms							
New England:								
1900	191,888	28,018	33,805	49,389	48,039	30,007	2,133	497
1920	156,564	25,886	27,117	38,036	37,993	25,173	1,916	443
1925	159,489	30,385	29,271	38,368	36,799	22,744	1,544	378
1930	124,925	19,977	20,284	29,740	30,656	22,103	1,773	392
Middle Atlantic:								
1900	485,618	75,165	84,330	142,341	129,501	51,815	1,907	559
1920	425,147	65,725	70,492	120,323	116,009	50,437	1,736	425
1925	418,868	74,437	71,373	117,598	108,546	45,213	1,413	288
1930	357,603	53,337	56,885	100,639	98,813	45,930	1,666	333
East North Central:								
1900	1,135,823	100,071	230,411	350,291	301,629	146,901	5,569	951
1920	1,084,744	90,703	172,052	335,439	325,390	155,489	4,912	759
1925	1,051,572	96,958	168,002	319,425	311,568	150,504	4,472	643
1930	966,502	82,339	135,908	280,162	301,247	160,853	5,301	692
West North Central:								
1900	1,060,744	47,650	110,718	212,600	354,794	288,187	36,186	10,609
1920	1,096,951	46,093	81,820	170,896	351,003	366,438	60,561	20,140
1925	1,111,314	59,990	89,827	170,617	351,199	363,535	58,840	17,306
1930	1,112,755	65,160	82,749	159,211	337,884	376,820	68,644	22,287
South Atlantic:								
1900	962,225	147,165	265,623	216,522	181,290	128,541	17,191	5,893
1920	1,158,976	187,326	401,259	280,114	175,311	99,833	11,269	3,864
1925	1,108,061	233,729	354,421	255,439	160,805	90,252	10,076	3,339
1930	1,058,468	192,363	345,867	262,862	157,143	87,549	9,615	3,069
East South Central:								
1900	903,313	153,359	280,010	204,914	159,531	92,783	9,777	2,939
1920	1,051,600	203,187	373,138	235,444	152,992	77,078	7,245	2,516
1925	1,006,052	224,494	346,230	222,577	138,159	66,571	6,077	1,944
1930	1,062,214	229,788	381,738	234,993	140,103	67,881	5,895	1,816
West South Central:								
1900	754,853	84,898	218,481	161,611	178,015	82,662	15,047	14,139
1920	996,088	97,878	296,729	235,213	212,167	120,429	19,717	13,955
1925	1,017,305	135,318	297,911	235,016	205,986	112,675	18,063	12,336
1930	1,103,134	153,202	326,965	244,315	212,422	129,617	21,891	14,722
Mountain:								
1900	101,327	16,366	12,685	11,243	33,963	17,553	4,932	4,585
1920	244,109	22,071	25,392	26,896	45,855	77,982	30,005	15,908
1925	233,392	26,678	26,892	27,522	40,306	62,076	31,877	18,041
1930	241,314	34,966	27,638	28,319	36,631	53,737	33,503	26,520
Pacific:								
1900	141,581	21,178	21,433	17,127	35,500	29,571	9,784	6,988
1920	234,164	57,666	55,733	32,384	32,910	33,618	12,458	9,395
1925	265,587	84,595	66,716	34,516	30,409	28,808	11,490	9,053
1930	261,733	86,989	62,354	34,724	28,028	27,441	11,408	10,789
	Acreage in farms (thousands of acres)							
All land in farms, 1930:								
New England	14,283	183	672	2,112	3,933	5,650	1,099	634
Middle Atlantic	35,047	500	1,907	7,264	12,600	11,157	1,037	582
East North Central	110,891	768	4,791	21,138	39,939	39,812	3,274	1,169
West North Central	265,488	553	2,882	12,195	48,428	109,191	46,959	45,280
South Atlantic	86,363	2,116	11,040	17,922	19,756	22,663	6,232	6,634
East South Central	72,818	2,772	11,738	16,259	17,761	17,233	3,812	3,243
West South Central	183,906	1,828	10,360	17,195	28,611	35,483	14,719	75,710
Mountain	157,450	267	923	2,106	5,320	17,409	23,852	107,573
Pacific	60,525	711	1,938	2,494	3,866	8,189	7,940	35,387
Crop land harvested, 1929:								
New England	3,659	87	243	661	1,117	1,323	173	55
Middle Atlantic	14,324	260	966	3,534	5,466	3,775	238	85
East North Central	56,644	321	2,206	10,786	20,937	20,705	1,379	310
West North Central	138,716	239	1,358	6,425	29,117	65,300	24,029	12,248
South Atlantic	27,520	1,411	6,580	7,278	5,711	4,911	997	632
East South Central	25,148	2,109	7,592	6,260	4,731	3,517	579	360
West South Central	56,837	1,451	7,574	9,882	14,442	15,354	4,748	3,386
Mountain	23,279	172	564	1,202	2,266	5,935	5,706	7,434
Pacific	13,115	440	1,119	1,196	1,368	2,614	2,142	4,236

Source: Bureau of the Census, Department of Commerce.

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No. 539.—NUMBER OF FARMS: By Size and by Tenure and Color of Operator

Size of farm, tenure, and color	1890	1900	1910	1920	1925	1930
BY SIZE						
Number, total	**4,564,641**	**5,737,372**	**6,361,502**	**6,448,343**	**6,371,640**	**6,288,648**
Under 10 acres	150,194	267,229	335,043	288,772	378,535	358,504
10 to 19 acres	265,550	406,641	504,123	507,763	588,049	559,617
20 to 49 acres	902,777	1,257,496	1,414,376	1,503,732	1,450,643	1,440,388
50 to 99 acres	1,121,485	1,366,038	1,438,069	1,474,745	1,421,078	1,374,965
100 to 499 acres	2,008,694	2,290,282	2,494,461	2,456,107	2,326,155	2,314,858
100 to 174 acres		1,422,262	1,516,286	1,449,630	1,383,777	1,342,927
175 to 259 acres		490,069	534,191	530,800	503,417	520,593
260 to 499 acres		377,951	443,984	475,677	438,961	451,338
500 to 999 acres	84,395	102,526	125,295	149,819	143,852	159,696
1,000 acres and over	31,546	47,160	50,135	67,405	63,328	80,620
Per cent distribution, total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Under 10 acres	3.3	4.7	5.3	4.5	5.9	5.7
10 to 19 acres	5.8	7.1	7.9	7.9	9.2	8.9
20 to 49 acres	19.8	21.9	22.2	23.3	22.8	22.9
50 to 99 acres	24.6	23.8	22.6	22.9	22.3	21.9
100 to 499 acres	44.0	39.9	39.2	38.1	36.5	36.8
100 to 174 acres		24.8	23.8	22.5	21.7	21.3
175 to 259 acres		8.5	8.4	8.2	7.9	8.3
260 to 499 acres		6.6	7.0	7.4	6.9	7.2
500 to 999 acres	1.8	1.8	2.0	2.3	2.3	2.5
1,000 acres and over	.7	.8	.8	1.0	1.0	1.3
BY TENURE						
Owners and managers, total	**3,269,728**	**3,712,408**	**4,006,826**	**3,993,539**	**3,909,032**	**3,624,283**
Owners		3,653,323	3,948,722	3,925,090	3,868,332	3,568,394
Owning entire farm		3,201,947	3,354,897	3,366,510	3,313,490	2,911,644
Hiring additional land		451,376	593,825	558,580	554,842	656,750
Managers		59,085	58,104	68,449	40,700	55,889
Tenants, total	**1,294,913**	**2,024,964**	**2,354,676**	**2,454,804**	**2,462,608**	**2,664,365**
Cash tenants			[1] 712,294	480,009	393,452	489,210
Northern and Western States					210,838	251,178
Number related to landlord					56,085	67,155
Other tenants			1,642,382	[1] 1,974,795	2,069,156	2,175,155
Northern and Western States					650,471	622,404
Number related to landlord					189,373	178,024
Per cent distribution, total	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Owners	71.6	63.7	62.1	60.9	60.7	56.7
Managers		1.0	.9	1.1	.6	.9
Tenants	28.4	35.3	37.0	38.1	38.6	42.4
BY COLOR AND TENURE OF FARMER						
White farmers, total		**4,969,608**	**5,440,619**	**5,498,454**	[2] 5,540,185	[2] 5,406,961
Owners, total		3,446,806	3,707,501	3,691,868	3,673,792	3,386,375
Owning entire farm		3,025,931	3,159,088	3,174,109	3,153,839	2,771,148
Hiring additional land		420,875	548,413	517,759	519,953	615,227
Managers		57,261	56,560	66,223	40,033	55,060
Tenants, total		1,465,541	1,676,558	1,740,363	1,826,360	1,965,526
Cash tenants			[1] 447,851	373,835	314,692	391,290
Other tenants			1,228,707	[1] 1,366,528	1,511,668	1,574,236
Colored farmers, total		**767,764**	**920,883**	**949,889**	[3] 831,455	[3] 881,687
Owners, total		206,517	241,221	233,222	194,540	182,019
Owning entire farm		176,016	195,809	192,401	159,651	140,496
Hiring additional land		30,501	45,412	40,821	34,889	41,523
Managers		1,824	1,544	2,226	667	829
Tenants, total		559,423	678,118	714,441	636,248	698,839
Cash tenants			[1] 264,443	106,174	78,760	97,920
Other tenants			413,675	[1] 608,267	557,488	600,919
COLORED FARMERS, BY RACE						
Total		**767,764**	**920,883**	**949,889**	[3] 831,455	[3] 881,687
Negroes		746,715	893,370	925,708	[4]	[4]
Indians		19,910	24,251	16,680	[4]	[4]
Japanese		39	2,502	6,892	[4]	[4]
Chinese		1,100	760	609	[4]	[4]

[1] Standing renters included with "Cash tenants" in 1910; thereafter, with "Other tenants."
[2] Includes the few colored farmers in the North and the West. [3] The South only.
[4] Separate data not available.

Source: Bureau of the Census, Department of Commerce.

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No. 540.—ACREAGE OF FARM LAND: By Size of Farm and by Tenure and Color of Operator

[Acreage in thousands]

Size of farm, tenure, and color	Acreage				Per cent distribution			
	1910	1920	1925	1930	1910	1920	1925	1930
BY SIZE OF FARM								
All farm land, total	**878,798**	**955,884**	**924,319**	**986,771**	**100.0**	**100.0**	**100.0**	**100.0**
Under 20 acres	8,794	8,687	10,156	9,698	1.0	.9	1.1	1.0
20 to 49 acres	45,378	48,466	46,405	46,251	5.2	5.1	5.0	4.7
50 to 99 acres	103,121	105,631	101,906	98,685	11.7	11.1	11.0	10.0
100 to 174 acres	205,481	194,681	185,708	180,214	23.4	20.4	20.1	18.3
175 to 499 acres	265,289	276,807	258,204	266,786	30.2	29.0	28.0	27.0
500 to 999 acres	83,653	100,976	97,468	108,924	9.5	10.6	10.5	11.0
1,000 acres and over	167,082	220,636	224,472	276,213	19.0	23.1	24.3	28.0
Crop land harvested, total [1] [2]	*[2] 478,452*	*[2] 503,073*	**344,549**	**359,242**	*[2] 100.0*	*[2] 100.0*	**100.0**	**100.0**
Under 20 acres	*7,992*	*7,804*	7,342	6,490	*1.7*	*1.6*	2.1	1.8
20 to 49 acres	*36,596*	*38,508*	29,384	28,202	*7.6*	*7.7*	8.5	7.9
50 to 99 acres	*71,155*	*72,622*	50,199	47,225	*14.9*	*14.4*	14.6	13.1
100 to 174 acres	*128,854*	*128,201*	88,502	85,154	*26.9*	*25.5*	25.7	23.7
175 to 499 acres	*161,776*	*170,075*	117,841	123,433	*33.8*	*33.8*	34.2	34.4
500 to 999 acres	*40,817*	*48,135*	32,273	39,992	*8.5*	*9.6*	9.4	11.1
1,000 acres and over	*31,263*	*37,729*	19,008	28,746	*6.5*	*7.5*	5.5	8.0
BY TENURE								
All farm land, total	**878,798**	**955,884**	**924,319**	**986,771**	**100.0**	**100.0**	**100.0**	**100.0**
Owners	**588,555**	**636,775**	**616,336**	**618,376**	**66.1**	**66.6**	**66.7**	**62.7**
Owning entire farm	464,923	461,250	419,446	372,450	52.9	48.3	45.4	37.7
Hiring additional land	133,631	175,525	196,890	245,926	15.2	18.4	21.3	24.9
Managers	**53,731**	**54,129**	**43,097**	**61,986**	**6.1**	**5.7**	**4.7**	**6.3**
Tenants	**226,513**	**264,980**	**264,886**	**306,409**	**25.8**	**27.7**	**28.7**	**31.0**
Cash tenants	[3] 67,847	65,095	54,190	71,370	[3] 7.7	6.8	5.9	7.2
Other tenants	158,666	[3] 199,885	210,696	235,039	18.0	[3] 20.9	22.8	23.8
Crop land, harvested, total [2]	*[2] 478,452*	*[2] 503,073*	**344,549**	**359,242**	*[2] 100.0*	*[2] 100.0*	**100.0**	**100.0**
Owners	*309,850*	*314,107*	**199,408**	**201,750**	*64.8*	*62.4*	**57.9**	**56.2**
Owning entire farm	*233,809*	*235,132*	138,649	124,328	*48.9*	*46.7*	40.2	34.6
Hiring additional land	*76,042*	*78,975*	60,759	77,422	*15.9*	*15.7*	17.6	21.6
Managers	*12,314*	*15,211*	**5,299**	**6,920**	*2.6*	*2.6*	**1.5**	**1.9**
Tenants	*156,287*	*175,755*	**139,842**	**150,572**	*32.7*	*34.9*	**40.6**	**41.9**
Cash tenants	[3] *41,566*	*24,397*	19,197	23,586	[3] *8.7*	*6.8*	5.6	6.6
Other tenants	*114,721*	[3] *141,357*	120,645	126,986	*24.0*	[3] *28.1*	35.0	35.3
BY COLOR OF FARMER								
All farm land, total	**878,798**	**955,884**	**924,319**	**986,771**	**100.0**	**100.0**	**100.0**	**100.0**
White farmers	832,166	910,939	[4]	945,683	94.7	95.3	[4]	95.8
Colored farmers	46,632	44,945	[4]	41,088	5.3	4.7	[4]	4.2
Crop land harvested, total [2]	*[2] 478,452*	*[2] 503,073*	**344,549**	**359,242**	*[2] 100.0*	*[2] 100.0*	**100.0**	**100.0**
White farmers	*449,418*	*473,775*	[4]	[5] 338,516	*93.9*	*94.2*	[4]	[5] 94.2
Colored farmers	*29,033*	*29,298*	[4]	[6] 20,726	*6.1*	*5.8*	[4]	[6] 5.8

[1] The classification by size in this section of the table, as in the preceding section, is based on the entire area of the farm.
[2] All data shown for 1910 and 1920 represent improved land. Data for improved land was not called for on the schedules of 1925 and 1930.
[3] Standing renters included with "Cash tenants" in 1910; thereafter, with "Other tenants".
[4] Not available.
[5] Includes the few colored farmers in the North and the West.
[6] South only.

Source: Bureau of the Census, Department of Commerce.

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No. 541.—NUMBER OF FARMS: By Tenure and by States

NOTE.—Total number of farms (all tenures combined) in Table 533. Acreage by tenure in Table 542

Division and State	Number of farms operated by—								
	Owners			Managers			Tenants		
	1920	1925	1930	1920	1925	1930	1920	1925	1930
United States	**3,925,090**	**3,868,332**	**3,568,394**	**68,449**	**40,700**	**55,889**	**2,454,804**	**2,462,608**	**2,664,365**
New England	**140,160**	**148,159**	**114,104**	**4,802**	**2,462**	**2,936**	**11,602**	**8,868**	**7,835**
Maine	45,437	47,984	36,748	786	350	503	2,004	1,699	1,755
New Hampshire	18,604	19,895	13,755	546	156	355	1,373	1,014	796
Vermont	25,121	24,889	22,009	568	307	480	3,386	2,590	2,409
Massachusetts	28,087	30,870	23,198	1,627	979	958	2,287	1,605	1,442
Rhode Island	3,245	3,263	2,808	205	176	99	633	472	415
Connecticut	19,666	21,258	15,586	1,070	494	541	1,919	1,488	1,068
Middle Atlantic	**327,104**	**348,179**	**299,095**	**9,853**	**4,465**	**6,053**	**88,190**	**68,224**	**52,455**
New York	151,717	159,949	136,041	4,376	2,261	2,652	37,102	26,544	21,113
New Jersey	21,889	24,535	20,771	987	413	659	6,826	4,723	3,948
Pennsylvania	153,498	163,695	142,283	4,490	1,791	2,742	44,262	34,957	27,394
East North Central	**766,786**	**771,376**	**693,892**	**13,551**	**6,806**	**8,633**	**304,407**	**273,090**	**263,977**
Ohio	177,986	181,347	159,849	3,065	1,060	1,843	75,644	62,296	57,604
Indiana	137,210	137,429	125,517	2,329	1,268	1,478	65,587	57,089	54,575
Illinois	132,574	129,074	119,892	3,411	1,877	2,123	101,196	94,650	92,482
Michigan	159,406	161,974	141,647	2,319	1,234	1,530	34,722	29,119	26,195
Wisconsin	159,610	162,052	146,987	2,427	1,167	1,659	27,258	29,936	33,121
West North Central	**711,156**	**685,797**	**661,115**	**10,776**	**5,569**	**7,471**	**375,019**	**419,948**	**444,169**
Minnesota	132,744	136,382	126,570	1,596	766	1,047	44,138	51,083	57,638
Iowa	121,888	116,444	111,333	2,487	1,650	1,980	89,064	95,396	101,615
Missouri	185,030	174,383	165,318	2,247	1,063	1,546	75,727	85,027	89,076
North Dakota	56,917	49,513	50,105	855	361	470	19,918	26,096	27,400
South Dakota	47,815	46,160	45,609	781	331	454	26,041	33,046	37,094
Nebraska	69,672	67,766	67,418	1,315	669	1,020	53,430	59,299	61,020
Kansas	97,090	95,149	94,762	1,495	729	954	66,701	70,001	70,326
South Atlantic	**607,089**	**609,304**	**539,930**	**9,799**	**6,137**	**8,964**	**542,088**	**492,620**	**509,574**
Delaware	6,010	6,515	6,260	144	74	165	3,986	3,668	3,282
Maryland	32,805	35,138	30,823	1,262	936	939	13,841	12,927	11,441
District of Columbia	100	81	59	19	19	21	85	39	24
Virginia	136,363	143,587	121,104	2,134	1,238	1,536	47,745	48,898	47,970
West Virginia	72,101	74,943	66,573	1,090	662	721	14,098	14,775	15,347
North Carolina	151,376	154,805	141,445	928	423	648	117,459	128,254	137,615
South Carolina	67,724	59,969	54,470	738	368	693	124,231	112,430	102,768
Georgia	102,123	88,680	79,802	1,655	1,407	1,406	206,954	159,008	174,390
Florida	38,487	45,586	39,394	1,829	1,010	2,835	13,689	12,621	16,737
East South Central	**525,808**	**497,825**	**465,348**	**3,506**	**1,731**	**2,888**	**522,286**	**506,496**	**593,978**
Kentucky	179,327	175,442	157,403	969	281	675	90,330	82,801	88,421
Tennessee	148,082	148,627	131,526	807	324	611	103,885	103,718	113,520
Alabama	107,089	92,948	90,372	741	448	603	148,269	144,235	166,420
Mississippi	91,310	80,808	86,047	989	678	999	179,802	175,742	225,617
West South Central	**464,328**	**412,064**	**410,397**	**5,013**	**3,058**	**5,506**	**526,747**	**602,183**	**687,231**
Arkansas	112,647	95,476	89,009	736	616	634	119,221	125,899	152,691
Louisiana	57,254	52,386	53,159	828	503	735	77,381	79,561	107,551
Oklahoma	93,217	81,226	77,714	935	494	823	97,836	115,498	125,329
Texas	201,210	182,976	190,515	2,514	1,445	3,314	232,309	281,225	301,660
Mountain	**202,515**	**179,198**	**178,898**	**4,116**	**2,410**	**3,590**	**37,478**	**51,784**	**58,626**
Montana	50,271	36,281	35,353	899	367	514	6,507	10,256	11,628
Idaho	34,647	30,195	30,512	758	511	603	6,701	9,886	10,559
Wyoming	13,403	12,545	12,195	377	191	296	1,968	2,776	3,520
Colorado	45,291	39,517	38,426	880	585	838	13,763	17,918	20,692
New Mexico	25,756	26,005	24,740	433	256	334	3,655	5,426	6,330
Arizona	7,869	8,179	11,294	305	296	548	1,801	2,327	2,331
Utah	22,579	23,013	23,608	296	90	230	2,787	2,889	3,321
Nevada	2,699	3,463	2,770	168	114	227	296	306	445
Pacific	**180,144**	**215,930**	**205,615**	**7,033**	**8,262**	**9,848**	**46,987**	**41,395**	**46,270**
Washington	52,701	60,389	57,588	1,168	935	1,238	12,419	11,943	12,078
Oregon	39,863	45,887	44,521	916	618	842	9,427	9,406	9,790
California	87,580	109,654	103,506	4,949	6,709	7,768	25,141	20,046	24,402

Source: Bureau of the Census, Department of Commerce.

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No. 542.—FARM ACREAGE, TOTAL AND CROP LAND HARVESTED: BY TENURE AND BY STATES

NOTE.—For total farm acreage and total crop land harvested (all tenures combined) see Tables 533 and 535. Data for owners include land exclusively owned and the additional land rented and operated by the owner

[All figures in thousands of acres]

Division and State	All land in farms operated by—									Cropland harvested in 1929 on farms operated by—		
	Owners			Managers			Tenants			Owners	Managers	Tenants
	1920	1925	1930	1920	1925	1930	1920	1925	1930			
United States	**636,775**	**616,336**	**618,376**	**54,129**	**43,097**	**61,986**	**264,980**	**264,887**	**306,409**	**201,750**	**6,920**	**150,572**
New England	**14,705**	**14,344**	**12,592**	**980**	**581**	**751**	**1,306**	**934**	**940**	**3,249**	**154**	**257**
Maine	5,074	4,936	4,338	146	71	129	206	154	173	1,223	30	51
New Hampshire	2,296	2,109	1,736	154	58	123	153	96	102	342	18	21
Vermont	3,521	3,407	3,325	150	100	152	565	419	419	911	34	129
Massachusetts	2,022	2,051	1,690	313	212	215	159	104	100	469	42	23
Rhode Island	249	248	220	30	24	18	53	37	41	43	4	8
Connecticut	1,543	1,593	1,283	187	116	114	169	123	105	321	26	25
Middle Atlantic	**29,019**	**29,484**	**27,768**	**1,923**	**910**	**1,277**	**9,631**	**7,117**	**6,902**	**11,120**	**449**	**2,754**
New York	15,084	15,459	14,577	932	496	622	4,616	3,315	2,781	5,612	185	1,161
New Jersey	1,425	1,404	1,236	208	68	144	649	452	378	550	49	178
Pennsylvania	12,510	12,600	11,955	782	346	511	4,366	3,350	2,843	4,958	215	1,415
East North Central	**76,518**	**75,580**	**72,355**	**2,887**	**1,651**	**2,096**	**38,350**	**35,521**	**36,440**	**34,532**	**894**	**21,218**
Ohio	15,000	15,083	14,410	562	266	396	7,954	6,870	6,707	6,401	162	3,553
Indiana	12,870	12,667	12,286	473	288	360	7,720	6,961	7,042	6,022	159	4,033
Illinois	16,265	15,798	15,227	713	450	512	14,997	14,485	14,957	8,640	283	10,035
Michigan	14,541	14,470	13,605	588	369	462	3,904	3,197	3,052	6,163	142	1,432
Wisconsin	17,841	17,562	16,827	532	279	366	3,775	4,010	4,682	7,306	148	2,165
West North Central	**166,570**	**155,780**	**160,645**	**6,079**	**3,497**	**4,974**	**82,324**	**88,805**	**99,869**	**78,917**	**1,419**	**58,379**
Minnesota	21,014	20,186	19,567	443	224	307	8,765	9,649	11,039	11,132	161	7,153
Iowa	18,051	17,092	16,444	569	390	476	14,855	15,799	17,100	10,250	272	11,754
Missouri	24,687	22,733	22,217	664	350	513	9,423	9,559	11,012	8,247	158	4,771
North Dakota	26,850	23,523	26,415	811	271	387	8,553	10,533	11,856	14,057	183	7,014
South Dakota	24,169	20,937	22,474	890	771	961	9,577	10,310	13,035	10,123	142	7,591
Nebraska	26,422	25,555	25,726	1,480	776	1,454	14,323	15,693	17,529	11,316	300	9,783
Kansas	27,377	25,753	27,802	1,221	714	876	16,827	17,263	18,298	13,792	203	10,313
South Atlantic	**61,798**	**58,301**	**51,651**	**4,402**	**3,511**	**3,751**	**31,575**	**26,758**	**30,961**	**13,628**	**844**	**13,048**
Delaware	451	465	480	21	16	30	472	418	391	214	16	178
Maryland	2,751	2,674	2,640	259	182	228	1,748	1,577	1,506	1,028	88	626
Dist. of Columbia	2	1	1	2	2	2	2	1	1	1	1	(1)
Virginia	13,761	13,311	12,250	824	514	656	3,976	3,385	3,823	2,816	145	1,014
West Virginia	7,813	7,483	7,145	356	211	257	1,400	1,286	1,400	1,352	48	255
North Carolina	13,442	12,533	11,072	386	232	255	6,194	5,829	6,728	2,935	69	2,806
South Carolina	6,717	5,987	5,228	425	293	437	5,285	4,359	4,728	1,623	79	2,434
Georgia	12,801	11,889	9,855	926	800	932	11,714	9,257	11,292	2,771	238	5,329
Florida	4,060	3,958	2,980	1,202	1,260	954	784	647	1,092	888	160	406
East South Central	**54,022**	**49,049**	**45,289**	**1,529**	**923**	**1,288**	**23,347**	**20,635**	**26,241**	**11,768**	**312**	**13,070**
Kentucky	16,792	15,829	14,611	270	137	196	4,551	3,947	5,120	3,661	48	1,621
Tennessee	13,779	13,025	11,729	221	124	207	5,511	4,751	6,068	3,421	56	2,629
Alabama	12,117	10,086	9,404	455	245	332	7,004	6,408	7,819	2,639	75	4,401
Mississippi	11,334	10,108	9,545	583	416	553	6,280	5,529	7,234	2,045	133	4,419
West South Central	**104,781**	**97,711**	**93,160**	**16,511**	**11,998**	**22,524**	**52,157**	**55,305**	**68,222**	**23,814**	**919**	**32,105**
Arkansas	11,810	10,027	8,990	352	318	292	5,295	5,287	6,771	2,751	92	3,739
Louisiana	6,255	5,624	4,761	900	590	876	2,864	2,624	3,718	1,468	199	2,401
Oklahoma	18,472	15,609	16,471	926	1,327	986	12,554	13,933	16,333	7,090	138	8,325
Texas	68,244	66,451	62,938	14,333	9,762	20,370	31,444	33,461	41,400	12,505	490	17,640
Mountain	**90,889**	**98,542**	**114,233**	**12,974**	**14,047**	**18,057**	**13,475**	**19,100**	**25,160**	**16,385**	**780**	**6,114**
Montana	28,953	25,365	34,145	2,860	1,912	3,015	3,258	5,459	7,499	5,975	186	1,680
Idaho	6,799	6,185	7,050	386	272	438	1,191	1,659	1,859	2,235	83	831
Wyoming	9,360	15,062	18,934	1,466	1,939	2,085	984	1,662	2,506	1,515	87	406
Colorado	18,622	17,387	19,540	1,596	1,285	2,167	4,244	5,496	7,169	4,083	189	2,479
New Mexico	17,854	19,800	21,857	3,863	4,733	5,350	2,693	3,317	3,615	1,043	34	417
Arizona	3,820	7,580	6,049	1,391	2,515	3,468	592	970	1,009	286	73	120
Utah	4,063	4,469	4,501	616	184	608	372	347	504	980	39	141
Nevada	1,420	2,693	2,157	796	1,208	926	141	190	999	268	89	40
Pacific	**36,473**	**37,566**	**40,683**	**6,865**	**5,980**	**7,268**	**12,815**	**10,713**	**12,574**	**8,339**	**1,149**	**3,627**
Washington	9,260	9,042	9,379	541	360	560	3,444	3,208	3,595	2,360	95	1,203
Oregon	10,017	10,853	12,878	838	901	839	2,687	2,377	2,832	2,057	145	705
California	17,196	17,672	18,426	5,485	4,718	5,869	6,684	5,127	6,147	3,922	909	1,719

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

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No. 543.—PERCENTAGE OF TOTAL NUMBER OF FARMS AND TOTAL ACREAGE OPERATED BY TENANTS: By States

Division and State	Per cent of total operated by tenants										Per cent of tenants related to landlord, 1930	
	Number of farms				All land in farms				Crop lands harvested			
	1910	1920	1925	1930	1910	1920	1925	1930	1924	1929	Cash	Other
United States	**37.0**	**38.1**	**38.6**	**42.4**	**25.8**	**27.7**	**28.7**	**31.1**	**40.6**	**41.9**	**19.6**	**19.1**
New England	**8.0**	**7.4**	**5.6**	**6.3**	**7.8**	**7.7**	**5.9**	**6.6**	**6.4**	**7.0**	**25.9**	**30.2**
Maine	4.3	4.2	3.4	4.5	3.6	3.8	3.0	3.7	3.1	3.9	28.3	36.4
New Hampshire	6.9	6.7	4.8	5.3	5.4	5.9	4.2	5.2	4.5	5.4	21.8	43.2
Vermont	12.3	11.6	9.3	9.7	13.7	13.3	10.7	10.7	12.7	12.0	24.9	25.1
Massachusetts	8.1	7.1	4.8	5.6	7.0	6.4	4.4	5.0	4.3	4.9	29.6	33.1
Rhode Island	18.0	15.5	12.1	12.5	18.2	15.9	12.1	14.8	12.1	14.6	16.7	38.8
Connecticut	9.8	8.5	6.4	6.2	9.9	8.9	6.7	7.0	6.5	6.8	25.3	28.5
Middle Atlantic	**22.3**	**20.7**	**15.8**	**14.7**	**25.9**	**23.7**	**19.0**	**17.1**	**21.5**	**19.2**	**27.3**	**29.8**
New York	20.8	19.2	14.1	13.2	24.4	22.4	17.2	15.5	18.8	16.7	27.8	29.0
New Jersey	24.8	23.0	15.9	15.6	30.4	28.5	23.5	21.5	25.3	22.9	21.3	27.4
Pennsylvania	23.3	21.9	17.4	15.9	27.1	24.7	20.6	18.6	24.1	21.5	28.0	30.6
East North Central	**27.0**	**28.1**	**26.0**	**27.3**	**30.0**	**32.6**	**31.5**	**32.9**	**36.6**	**37.5**	**30.3**	**30.4**
Ohio	28.4	29.5	25.5	26.3	31.4	33.8	30.9	31.2	35.4	35.1	28.0	31.2
Indiana	30.0	32.0	29.2	30.1	32.3	36.7	35.0	35.8	39.3	39.5	26.9	28.1
Illinois	41.4	42.7	42.0	43.1	43.6	46.9	47.1	48.7	51.5	52.9	30.5	28.2
Michigan	15.8	17.7	15.1	15.5	17.8	20.5	17.7	17.8	19.2	18.5	25.2	33.6
Wisconsin	13.9	14.4	15.5	18.2	15.8	17.0	18.4	21.4	19.8	22.5	37.2	39.6
West North Central	**30.9**	**34.2**	**37.8**	**39.9**	**27.0**	**32.0**	**35.8**	**37.6**	**41.0**	**42.1**	**29.4**	**29.1**
Minnesota	21.0	24.7	27.1	31.1	23.8	29.0	32.1	35.7	36.0	38.8	33.5	30.2
Iowa	37.8	41.7	44.7	47.3	39.0	44.4	47.5	50.3	50.2	52.8	32.8	31.4
Missouri	29.9	28.8	32.6	34.8	25.4	27.1	29.3	32.6	34.2	36.2	22.4	23.2
North Dakota	14.3	25.6	34.4	35.1	15.3	23.6	30.7	30.7	32.9	33.0	21.3	22.4
South Dakota	24.8	34.9	41.5	44.6	23.3	27.7	32.2	35.7	41.0	42.5	23.3	25.4
Nebraska	38.1	42.9	46.4	47.1	27.3	33.9	37.3	39.2	45.0	45.7	31.4	35.6
Kansas	36.8	40.4	42.2	42.4	30.6	37.0	39.5	39.0	44.0	42.4	22.1	33.0
South Atlantic	**45.9**	**46.8**	**44.5**	**48.1**	**30.1**	**32.3**	**30.2**	**35.8**	**45.7**	**47.4**	**14.5**	**14.1**
Delaware	41.9	39.3	35.8	33.8	52.1	49.9	46.5	43.4	49.1	43.7	14.4	13.4
Maryland	29.5	28.9	26.4	26.5	38.5	36.7	35.6	34.4	38.9	35.9	23.3	19.2
District of Columbia	38.7	41.7	28.1	23.1	35.9	35.1	21.2	13.8	19.6	14.6	8.7	
Virginia	26.5	25.6	25.2	28.1	21.1	21.4	19.7	22.9	24.6	25.5	16.0	20.9
West Virginia	20.5	16.2	16.3	18.6	15.5	14.6	14.3	15.9	15.1	15.4	15.5	24.9
North Carolina	42.3	43.5	45.2	49.2	27.6	30.9	31.3	37.3	46.3	48.3	22.9	14.7
South Carolina	63.0	64.5	65.1	65.1	36.4	42.5	41.0	45.5	60.0	58.8	13.7	10.6
Georgia	65.6	66.6	63.8	68.2	42.0	46.0	42.2	51.1	59.3	63.9	12.5	12.7
Florida	26.7	25.3	21.3	28.4	13.1	13.0	11.0	21.7	23.2	27.9	8.9	16.3
East South Central	**50.7**	**49.7**	**50.3**	**55.9**	**28.0**	**29.6**	**29.2**	**36.0**	**49.2**	**52.0**	**10.7**	**15.7**
Kentucky	33.9	33.4	32.0	35.9	19.9	21.1	19.8	25.7	30.6	30.4	15.8	23.7
Tennessee	41.1	41.1	41.0	46.2	25.1	28.2	26.5	33.7	40.9	43.1	12.7	20.0
Alabama	60.2	57.9	60.7	64.7	34.2	35.8	38.3	44.5	59.6	61.9	9.7	16.6
Mississippi	66.1	66.1	68.3	72.2	33.7	34.5	34.4	41.7	63.0	67.0	9.8	9.7
West South Central	**52.8**	**52.9**	**59.2**	**62.3**	**26.7**	**30.1**	**33.5**	**37.1**	**55.5**	**56.5**	**11.0**	**15.7**
Arkansas	50.0	51.3	56.7	63.0	27.0	30.3	33.8	42.2	50.9	56.8	10.0	12.6
Louisiana	55.3	57.1	60.1	66.6	25.7	28.6	29.7	39.7	52.3	59.0	11.2	11.9
Oklahoma	54.8	51.0	58.6	61.5	43.1	39.3	45.1	48.3	52.2	53.5	7.2	16.1
Texas	52.6	53.3	60.4	60.9	22.5	27.6	30.5	33.2	58.7	57.6	15.6	18.3
Mountain	**10.7**	**15.4**	**22.2**	**24.4**	**10.5**	**11.5**	**14.5**	**16.0**	**25.3**	**26.3**	**13.5**	**16.7**
Montana	8.9	11.3	21.9	24.5	10.9	9.3	16.7	16.8	22.4	21.4	11.9	14.7
Idaho	10.3	15.9	24.4	25.3	10.7	14.2	20.4	19.9	26.1	26.4	15.3	21.3
Wyoming	8.2	12.5	17.9	22.0	6.2	8.3	8.9	10.7	18.1	20.2	12.5	17.9
Colorado	18.2	23.0	30.9	34.5	16.7	17.4	22.7	24.8	33.9	36.7	12.1	17.8
New Mexico	5.5	12.2	17.1	20.2	8.7	11.0	11.9	11.7	23.2	27.9	11.6	16.4
Arizona	9.3	18.1	21.5	16.4	8.6	10.2	8.8	9.6	26.0	25.1	6.5	15.9
Utah	7.9	10.9	11.1	12.2	5.7	7.4	6.9	9.0	11.7	12.2	26.2	41.1
Nevada	12.4	9.4	7.9	12.9	5.8	6.0	4.6	24.5	6.2	10.0	16.0	22.8
Pacific	**17.2**	**20.1**	**15.6**	**17.7**	**19.8**	**22.8**	**19.7**	**20.8**	**27.1**	**27.7**	**12.7**	**21.2**
Washington	13.7	18.7	16.3	17.0	17.7	26.0	25.4	26.6	32.5	32.9	15.0	26.7
Oregon	15.1	18.8	16.8	17.8	16.1	19.8	16.8	17.1	25.7	24.3	19.1	27.7
California	20.6	21.4	14.7	18.0	22.2	22.8	18.6	20.2	24.8	26.2	9.4	15.1

Source: Bureau of the Census, Department of Commerce.

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No. 544.—NUMBER AND ACREAGE OF FARMS: BY COLOR OF OPERATOR AND BY STATES

NOTE.—For total number of farms and acreage of all land in farms see Table 533

Division and State	Number of farms operated by—				All land (thousands of acres) in farms operated by—			
	White farmers		Colored farmers		White farmers		Colored farmers	
	1920	1930	1920	1930	1920	1930	1920	1930
United States	5,498,454	5,372,578	949,889	916,070	910,939	945,683	44,945	41,088
New England	156,293	124,766	271	159	16,970	14,273	21	10
Maine	48,214	38,989	13	17	5,425	4,639	1	1
New Hampshire	20,509	14,898	14	8	2,602	1,959	2	1
Vermont	29,047	24,876	28	22	4,231	3,892	4	3
Massachusetts	31,880	25,534	121	64	2,489	2,004	6	2
Rhode Island	4,063	3,311	20	11	331	279	1	1
Connecticut	22,580	17,158	75	37	1,892	1,500	7	2
Middle Atlantic	423,611	356,396	1,536	1,207	40,477	34,968	96	80
New York	192,645	159,346	550	460	20,590	17,942	43	38
New Jersey	29,167	24,994	535	384	2,256	1,738	26	20
Pennsylvania	201,799	172,056	451	363	17,631	15,288	27	22
East North Central	1,080,267	963,019	4,477	3,483	117,458	110,652	278	239
Ohio	255,079	218,059	1,616	1,237	23,416	21,421	100	93
Indiana	204,554	181,095	572	475	21,027	19,660	37	29
Illinois	236,288	213,603	893	894	31,917	30,637	58	58
Michigan	195,714	168,811	733	561	18,984	17,081	49	38
Wisconsin	188,632	181,451	663	316	22,114	21,853	34	21
West North Central	1,090,032	1,101,648	6,919	11,107	255,461	264,071	1,512	1,417
Minnesota	178,271	185,010	207	245	30,202	30,892	20	21
Iowa	213,330	214,774	109	154	33,466	34,008	9	11
Missouri	260,178	250,079	2,826	5,861	34,584	33,486	190	257
North Dakota	77,147	77,174	543	801	36,028	38,508	187	150
South Dakota	73,025	80,417	1,612	2,740	33,786	35,680	850	791
Nebraska	124,033	129,188	384	270	42,159	44,678	67	30
Kansas	164,048	165,006	1,238	1,036	45,236	46,819	189	157
South Atlantic	775,144	760,089	383,832	298,379	79,550	71,704	18,225	14,659
Delaware	9,268	8,900	872	807	890	846	55	55
Maryland	41,699	37,936	6,209	5,267	4,406	4,029	352	346
Dist. of Columbia	184	93	20	11	5	3	(1)	(1)
Virginia	138,456	130,937	47,786	39,673	16,298	14,683	2,263	2,046
West Virginia	86,785	82,150	504	491	9,542	8,774	28	28
North Carolina	193,473	202,835	76,290	76,873	16,584	14,662	3,437	3,392
South Carolina	83,683	80,506	109,010	77,425	8,047	7,221	4,380	3,172
Georgia	180,545	168,809	130,187	86,789	18,369	16,974	7,072	5,105
Florida	41,051	47,923	12,954	11,043	5,409	4,512	638	515
East South Central	744,368	741,255	307,232	320,959	66,784	60,886	12,114	11,931
Kentucky	257,998	237,395	12,628	9,104	21,186	19,585	427	342
Tennessee	214,592	210,519	38,182	35,138	17,987	16,646	1,524	1,357
Alabama	160,896	163,566	95,203	93,829	15,229	13,396	4,348	4,159
Mississippi	110,882	129,775	161,219	182,888	12,382	11,259	5,815	6,073
West South Central	764,238	840,785	231,850	262,349	162,469	172,690	10,980	11,216
Arkansas	160,322	162,755	72,282	79,579	14,832	13,565	2,625	2,488
Louisiana	73,404	87,675	62,059	73,770	7,837	7,040	2,183	2,315
Oklahoma	173,263	180,929	18,725	22,937	30,239	31,825	1,713	1,966
Texas	357,249	409,426	78,784	86,063	109,561	120,260	4,459	4,447
Mountain	238,662	230,391	5,447	10,923	116,340	156,446	987	1,004
Montana	56,614	46,311	1,063	1,184	34,419	44,260	652	399
Idaho	41,598	40,976	508	698	8,328	9,290	48	57
Wyoming	15,579	15,748	169	263	11,787	23,483	23	43
Colorado	59,381	59,355	553	601	24,375	28,794	87	82
New Mexico	27,969	28,059	1,875	3,345	24,345	30,578	64	244
Arizona	9,329	10,220	646	3,953	5,742	10,407	60	119
Utah	25,248	26,591	414	568	4,999	5,574	51	39
Nevada	2,944	3,131	219	311	2,345	4,060	12	21
Pacific	225,839	254,229	8,325	7,504	55,430	59,993	722	532
Washington	65,022	69,555	1,266	1,349	13,143	13,405	101	129
Oregon	49,633	54,470	573	683	13,442	16,476	100	73
California	111,184	130,204	6,486	5,472	28,845	30,112	521	330

[1] Less than 500.

Source: Bureau of the Census, Department of Commerce.

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No. 545.—NUMBER OF FARMS IN THE SOUTH: By Color and Tenure of Operator, 1930

	Total	Full owners	Part owners	Managers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White	2,342,129	1,050,187	183,469	16,529	1,091,944	140,112	383,381	568,451
Colored	881,687	140,496	41,523	829	698,839	97,920	392,897	208,022
South Atlantic:								
White	760,089	406,386	53,041	8,485	292,177	49,472	120,487	122,218
Colored	298,379	60,714	19,789	479	217,397	29,327	124,171	63,899
Delaware—								
White	8,900	5,507	380	146	2,867	440	165	2,262
Colored	807	309	64	19	415	54	60	301
Maryland—								
White	37,936	25,971	1,911	819	9,235	1,629	1,049	6,557
Colored	5,267	2,362	579	120	2,206	213	597	1,396
District of Columbia—								
White	93	46	5	20	22	21		1
Colored	11	7	1	1	2	2		
Virginia—								
White	130,937	85,756	10,900	1,459	32,822	5,516	10,456	16,850
Colored	39,673	19,200	5,248	77	15,148	1,767	6,797	6,584
West Virginia—								
White	82,150	60,253	5,947	714	15,236	7,046	1,811	6,379
Colored	491	328	45	7	111	38	23	50
North Carolina—								
White	202,835	102,567	19,167	625	80,476	6,692	34,286	39,498
Colored	76,873	13,198	6,513	23	57,139	2,545	34,805	19,789
South Carolina—								
White	80,506	33,578	4,900	622	41,406	6,511	17,893	17,002
Colored	77,425	11,937	4,055	71	61,362	11,759	31,046	18,557
Georgia—								
White	168,809	61,582	7,139	1,334	98,754	17,001	51,404	30,349
Colored	86,789	9,014	2,067	72	75,636	10,532	49,450	15,654
Florida—								
White	47,923	31,126	2,692	2,746	11,359	4,616	3,423	3,320
Colored	11,043	4,359	1,217	89	5,378	2,417	1,393	1,568
East South Central:								
White	741,255	358,174	56,586	2,747	323,748	43,543	130,742	149,463
Colored	320,959	39,420	11,168	141	270,230	53,371	150,239	66,620
Kentucky—								
White	237,395	132,160	21,068	660	83,507	8,748	27,134	47,625
Colored	9,104	3,055	1,120	15	4,914	140	3,116	1,658
Tennessee—								
White	210,519	104,166	19,528	577	86,248	9,353	33,745	43,150
Colored	35,138	5,687	2,145	34	27,272	2,863	16,559	7,850
Alabama—								
White	163,566	63,727	10,714	580	88,545	16,652	37,562	34,331
Colored	93,829	11,417	4,514	23	77,875	32,055	27,572	18,248
Mississippi—								
White	129,775	58,121	5,276	930	65,448	8,790	32,301	24,357
Colored	182,888	19,261	3,389	69	160,169	18,313	102,992	38,864
West South Central:								
White	840,785	285,627	73,842	5,297	476,019	47,097	132,152	296,770
Colored	262,349	40,362	10,566	209	211,212	15,222	118,487	77,503
Arkansas—								
White	162,755	63,539	14,015	611	84,590	8,855	29,569	46,166
Colored	79,579	9,058	2,397	23	68,101	6,106	45,465	16,530
Louisiana—								
White	87,675	38,107	4,549	681	44,338	6,194	17,214	20,930
Colored	73,770	8,786	1,717	54	63,213	6,692	32,214	24,307
Oklahoma—								
White	180,929	47,097	22,283	779	110,770	16,569	16,495	77,706
Colored	22,937	6,550	1,784	44	14,559	1,029	4,560	8,970
Texas—								
White	409,426	136,884	32,995	3,226	236,321	15,479	68,874	151,968
Colored	86,063	15,968	4,668	88	65,339	1,395	36,248	27,696

Source: Bureau of the Census, Department of Commerce.

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No. 546.—ACREAGE OF FARMS IN THE SOUTH: By Color and Tenure of Operator, 1930

[All figures in thousands of acres]

	Total	Full owners	Part owners	Managers	Tenants			
					Total	Cash	Croppers	Other
The South:								
White	305,281	136,194	42,427	27,296	99,364	23,066	19,635	56,663
Colored	37,806	9,010	2,469	267	26,060	4,095	11,970	9,995
South Atlantic:								
White	71,704	41,694	5,699	3,641	20,670	4,396	6,284	9,989
Colored	14,659	3,314	944	110	10,290	1,472	5,079	3,740
Delaware—								
White	846	431	36	26	353	32	16	304
Colored	55	11	3	3	38	2	4	31
Maryland—								
White	4,029	2,306	226	207	1,290	144	144	1,002
Colored	346	88	20	22	216	9	47	160
District of Columbia—								
White	3	1	(1)	2	(1)	(1)		(1)
Colored	(1)	(1)	(1)	(1)	(1)	(1)		
Virginia—								
White	14,683	9,743	1,324	632	2,984	547	680	1,756
Colored	2,046	937	246	23	839	115	284	441
West Virginia—								
White	8,774	6,305	822	256	1,392	578	174	639
Colored	28	16	3	1	9	2	1	5
North Carolina—								
White	14,603	8,712	1,378	249	4,323	443	1,303	2,577
Colored	3,393	697	285	6	2,404	138	1,212	1,054
South Carolina—								
White	7,221	3,859	582	416	2,365	525	759	1,081
Colored	3,172	617	171	21	2,363	339	1,091	934
Georgia—								
White	16,974	7,944	1,028	908	7,095	1,675	2,992	2,427
Colored	5,105	726	157	24	4,198	763	2,380	1,054
Florida—								
White	4,512	2,395	304	945	868	450	216	202
Colored	515	223	59	9	224	104	59	61
East South Central:								
White	60,886	36,381	5,384	1,238	17,883	3,319	4,873	9,690
Colored	11,931	2,874	649	50	8,358	2,025	3,660	2,673
Kentucky—								
White	19,585	12,580	1,848	193	4,964	676	1,007	3,281
Colored	342	138	45	3	156	5	74	77
Tennessee—								
White	16,646	9,569	1,741	200	5,136	692	1,321	3,122
Colored	1,357	310	109	6	932	137	442	354
Alabama—								
White	13,396	7,030	1,184	318	4,864	1,286	1,575	2,003
Colored	4,159	917	273	14	2,955	1,198	938	819
Mississippi—								
White	11,259	7,203	611	526	2,919	665	970	1,284
Colored	6,073	1,509	221	27	4,315	685	2,206	1,424
West South Central:								
White	172,690	58,119	31,344	22,417	60,811	15,350	8,478	36,983
Colored	11,216	2,822	876	107	7,411	598	3,231	3,582
Arkansas—								
White	13,565	6,713	1,573	285	4,995	673	1,055	3,266
Colored	2,488	561	144	7	1,776	220	961	595
Louisiana—								
White	7,040	3,595	562	856	2,026	388	535	1,103
Colored	2,315	513	90	20	1,692	205	718	769
Oklahoma—								
White	31,825	7,244	8,313	943	15,325	2,549	1,529	11,247
Colored	1,966	623	291	43	1,008	103	218	688
Texas—								
White	120,260	40,567	20,895	20,333	38,464	11,740	5,358	21,366
Colored	4,447	1,125	350	37	2,935	70	1,334	1,531

[1] Less than 500 acres.

Source: Bureau of the Census, Department of Commerce.

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No. 547.—VALUE OF FARM PROPERTY: Farms Operated by Owners and Tenants, by Geographic Divisions

Note.—For total value of farm property by geographic divisions, all tenures (including managers) combined, see Table 534, p. 574

Division	Farms operated by—							
	Full owners		Part owners		Cash tenants		Other tenants	
	1925	1930	1925	1930	1925	1930	1925	1930
	Value of land and buildings (millions of dollars)							
United States	**24,209**	**21,123**	**8,808**	**6,136**	**3,370**	**3,301**	**13,480**	**12,580**
New England	748	713	40	77	29	34	22	23
Middle Atlantic	2,006	1,948	145	219	175	195	357	261
East North Central	5,450	4,354	1,347	1,413	721	668	3,298	2,635
West North Central	6,498	5,254	3,210	3,466	1,534	1,658	5,116	4,564
South Atlantic	2,534	2,116	190	279	162	201	1,018	964
East South Central	1,457	1,369	157	214	141	190	685	832
West South Central	1,963	1,964	561	860	221	326	2,049	2,329
Mountain	980	970	581	757	91	130	405	443
Pacific	2,572	2,435	576	851	297	399	531	529
	Value of implements and machinery (millions of dollars)							
United States	**1,482.0**	**1,585.0**	**385.3**	**631.2**	**159.1**	**233.8**	**606.6**	**759.7**
New England	69.9	73.1	4.4	8.5	2.1	3.0	1.9	1.9
Middle Atlantic	247.9	256.2	19.8	31.0	15.0	18.4	42.9	36.4
East North Central	327.7	328.4	68.9	98.2	33.1	40.6	130.4	146.2
West North Central	340.1	379.2	177.7	283.5	69.3	110.9	223.3	307.8
South Atlantic	131.2	123.1	11.1	17.8	6.6	9.8	40.6	41.1
East South Central	77.4	89.9	9.2	14.6	7.1	11.0	28.0	37.7
West South Central	112.5	130.0	30.8	59.1	9.5	14.6	95.1	123.6
Mountain	64.3	86.0	34.2	70.5	4.8	9.6	21.9	37.9
Pacific	111.1	119.1	29.4	48.0	11.7	15.9	22.4	27.1
	Average value of land and buildings per farm (dollars)							
United States	**7,306**	**7,255**	**12,270**	**12,389**	**8,565**	**7,770**	**6,515**	**5,784**
New England	5,210	6,649	8,806	11,372	5,167	6,404	6,570	8,924
Middle Atlantic	6,041	7,002	8,999	10,456	7,907	9,328	8,089	8,276
East North Central	8,163	7,630	12,931	11,465	12,381	10,638	15,350	13,093
West North Central	12,849	11,477	17,823	17,047	16,193	13,634	15,732	14,149
South Atlantic	4,607	4,531	3,209	3,835	2,613	2,548	2,364	2,238
East South Central	3,334	3,443	2,592	3,157	1,783	1,958	1,601	1,674
West South Central	5,668	6,024	8,531	10,187	5,305	5,232	3,656	3,727
Mountain	7,165	7,444	13,709	15,583	8,309	8,292	9,911	10,278
Pacific	13,246	13,778	26,486	29,474	15,401	16,083	23,986	24,649
	Average value of implements and machinery per farm (dollars)							
United States	**447**	**544**	**694**	**961**	**404**	**478**	**293**	**349**
New England	487	682	950	1,255	375	570	566	741
Middle Atlantic	746	921	1,229	1,484	682	880	972	1,154
East North Central	491	576	662	796	568	646	607	727
West North Central	673	828	987	1,394	732	912	687	954
South Atlantic	239	264	186	244	106	124	94	95
East South Central	177	226	151	216	91	114	66	76
West South Central	325	399	468	701	227	233	170	198
Mountain	470	660	806	1,450	439	609	537	878
Pacific	572	674	1,352	1,663	605	642	1,012	1,261

Source: Bureau of the Census, Department of Commerce.

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No. 548.—MORTGAGE STATUS OF FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR: By States

NOTE.—The number of all owned farms includes farms with mortgage status not reported, which constituted 9.9 per cent of the owned farms in 1920 and 6.3 per cent in 1930. The 1925 schedule called only for the amount of mortgages on farms.

Division and State	All owned farms (number)			Free from mortgage (number)		Mortgaged (number)		
	1920	1925	1930	1920	1930	1920	1925	1930
United States	3,925,090	3,888,332	3,568,394	2,074,325	1,845,997	1,461,306	1,395,026	1,497,766
New England	140,160	148,159	114,104	80,412	58,788	53,138	49,864	49,675
Maine	45,437	47,984	36,748	30,665	22,535	13,023	11,925	11,933
New Hampshire	18,604	19,895	13,755	11,992	7,704	5,389	4,716	4,925
Vermont	25,121	24,889	22,009	12,132	9,945	12,225	10,850	11,634
Massachusetts	28,087	30,870	23,198	14,055	9,961	12,632	12,248	12,159
Rhode Island	3,245	3,263	2,808	1,971	1,619	949	946	1,026
Connecticut	19,666	21,258	15,586	9,597	7,024	8,920	9,179	7,998
Middle Atlantic	327,104	348,179	299,095	179,326	163,718	125,216	110,810	120,417
New York	151,717	159,949	136,041	75,522	68,786	66,633	61,905	61,546
New Jersey	21,889	24,535	20,771	10,000	9,316	10,085	10,118	10,663
Pennsylvania	153,498	163,695	142,283	93,804	85,616	48,498	38,787	48,208
East North Central	766,786	771,876	693,892	382,771	342,455	326,313	305,046	318,108
Ohio	177,986	181,347	159,849	110,004	94,179	50,784	47,800	56,088
Indiana	137,210	137,429	125,517	73,233	61,731	51,474	49,960	56,908
Illinois	132,574	129,074	119,892	68,892	62,990	51,039	45,814	49,459
Michigan	159,406	161,974	141,647	72,869	68,046	78,758	70,853	68,973
Wisconsin	159,610	162,052	146,987	57,773	55,509	94,258	90,619	86,680
West North Central	711,156	685,797	661,115	278,906	271,396	368,158	350,991	361,598
Minnesota	132,744	136,382	126,570	54,086	53,830	69,545	66,319	68,070
Iowa	121,888	116,444	111,333	45,807	41,371	66,096	64,781	64,425
Missouri	185,030	174,383	165,318	82,099	80,056	85,538	76,970	80,184
North Dakota	56,917	49,513	50,105	12,833	14,124	40,462	31,602	33,590
South Dakota	47,815	46,160	45,609	16,037	15,394	27,262	28,813	27,287
Nebraska	69,672	67,766	67,418	27,065	24,893	35,191	38,279	38,961
Kansas	97,090	95,149	94,762	40,979	41,728	44,064	44,227	49,079
South Atlantic	607,089	609,304	539,930	408,804	350,970	118,026	126,838	145,935
Delaware	6,010	6,515	6,260	3,504	3,470	2,018	1,748	2,407
Maryland	32,805	35,138	30,823	19,292	17,575	11,339	10,513	11,648
Dist. of Columbia	100	81	59	53	35	29	19	20
Virginia	136,363	143,587	121,104	98,470	87,031	24,331	27,075	27,614
West Virginia	72,101	74,943	66,573	52,617	49,259	10,274	9,104	11,557
North Carolina	151,376	154,805	141,445	102,950	89,364	24,499	29,918	39,232
South Carolina	67,724	59,969	54,470	42,847	32,222	14,299	15,521	18,320
Georgia	102,123	88,080	79,802	64,061	46,479	23,135	24,083	25,417
Florida	38,487	45,586	39,394	25,010	25,535	8,102	8,857	9,720
East South Central	525,808	497,825	465,348	339,312	282,467	124,723	119,931	144,803
Kentucky	179,327	175,442	157,403	116,613	103,780	40,615	34,688	38,180
Tennessee	148,082	148,627	131,526	105,128	87,010	32,264	30,703	34,415
Alabama	107,089	92,948	90,372	64,498	47,406	27,854	27,790	36,417
Mississippi	91,310	80,808	86,047	53,073	44,271	23,990	26,750	35,791
West South Central	464,328	412,064	410,397	236,932	209,049	162,738	147,212	165,398
Arkansas	112,647	95,476	89,009	64,881	47,494	33,990	31,419	33,702
Louisiana	57,254	52,386	53,159	36,010	30,339	11,783	14,424	17,680
Oklahoma	93,217	81,226	77,714	30,551	31,776	47,025	39,263	38,558
Texas	201,210	182,976	190,515	105,490	99,440	69,940	62,106	75,458
Mountain	202,515	179,198	178,898	88,731	77,774	97,038	84,939	85,279
Montana	50,271	36,281	35,353	16,365	14,498	29,897	19,818	18,992
Idaho	34,647	30,195	30,512	11,872	11,466	20,060	16,509	17,418
Wyoming	13,403	12,545	12,195	6,816	4,772	5,513	6,088	6,493
Colorado	45,291	39,517	38,426	20,965	15,741	21,131	20,997	20,016
New Mexico	25,756	26,005	24,740	16,650	15,655	6,257	6,897	5,727
Arizona	7,869	8,179	11,294	3,708	4,822	3,380	3,276	3,606
Utah	22,579	23,013	23,608	10,756	9,488	9,916	10,190	11,877
Nevada	2,699	3,463	2,770	1,599	1,332	884	1,164	1,150
Pacific	180,144	215,930	205,615	79,131	69,380	85,956	99,395	106,555
Washington	52,701	60,389	57,588	25,012	25,774	24,004	27,604	28,831
Oregon	39,863	45,887	44,521	18,077	19,754	17,843	20,990	23,070
California	87,580	109,654	103,506	36,042	43,852	44,109	50,801	54,654

Source: Bureau of the Census, Department of Commerce.

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No. 549.—MORTGAGE DEBT OF FARMS OWNED WHOLLY BY THE OPERATOR: BY STATES

NOTE:—This table does not include farms operated by managers or tenants or consisting in part of rented land

Division and State	Farms operated by full owners reporting amount of mortgage debt								
	Number of farms			Value of land and buildings (thousands of dollars)			Amount of debt (thousands of dollars)		
	1920	1925	1930	1920	1925	1930	1920	1925	1930
United States	1,193,047	1,128,207	1,145,737	13,775,500	10,790,244	10,307,732	4,003,767	4,517,959	4,080,176
New England	49,456	47,817	45,760	271,163	272,769	323,653	91,758	109,361	117,387
Maine	12,345	11,632	11,198	58,427	59,644	66,734	18,592	24,619	22,539
New Hampshire	4,951	4,591	4,543	20,274	18,264	22,706	6,821	7,209	8,200
Vermont	11,504	10,431	10,884	61,071	51,883	61,755	23,576	24,057	26,376
Massachusetts	11,663	11,660	11,025	70,745	76,362	94,302	23,412	28,402	34,060
Rhode Island	856	869	892	4,865	5,185	7,992	1,494	1,971	2,655
Connecticut	8,137	8,634	7,218	55,781	61,431	70,164	17,861	23,102	23,557
Middle Atlantic	113,441	104,317	109,945	711,868	696,005	853,011	258,397	288,334	333,001
New York	59,735	57,245	55,110	388,114	397,889	435,168	145,533	165,622	170,460
New Jersey	9,296	9,824	9,920	67,176	81,964	106,900	25,123	31,893	39,797
Pennsylvania	44,410	37,248	44,915	256,577	216,152	310,943	87,741	88,818	122,744
East N. Central	274,347	255,246	251,907	2,959,228	2,290,825	2,114,502	922,286	1,011,942	950,569
Ohio	43,068	41,110	45,628	387,188	307,622	333,723	121,121	134,738	143,090
Indiana	40,416	38,734	41,210	439,153	300,320	278,866	105,256	119,621	112,185
Illinois	36,663	31,354	32,226	775,395	535,833	454,764	197,212	218,544	199,229
Michigan	67,119	60,707	55,663	420,108	351,799	339,467	144,103	149,683	141,035
Wisconsin	87,081	83,341	77,180	937,385	795,252	707,682	354,574	389,356	355,030
West N. Central	266,281	238,431	228,199	5,414,232	3,660,025	2,986,693	1,437,337	1,642,124	1,286,834
Minnesota	57,585	52,184	49,667	925,963	612,428	526,964	254,475	267,027	235,114
Iowa	52,341	49,744	47,051	1,814,260	1,272,036	934,084	489,817	625,629	452,903
Missouri	68,784	59,494	58,113	752,008	493,793	413,926	216,463	220,265	187,864
North Dakota	22,623	15,597	13,983	380,133	200,549	158,460	108,285	82,411	60,444
South Dakota	14,039	13,511	11,157	411,837	234,807	166,808	89,875	100,306	64,359
Nebraska	23,986	23,631	22,713	705,561	512,906	444,850	168,508	216,256	172,343
Kansas	26,923	25,270	25,515	424,469	333,506	321,601	109,914	130,231	113,807
South Atlantic	103,039	113,567	122,943	652,812	670,906	688,262	192,669	249,235	241,605
Delaware	1,903	1,723	2,199	11,422	9,874	14,137	4,460	4,326	5,617
Maryland	10,407	10,118	10,524	75,082	69,717	83,644	27,481	29,575	32,864
Dist. of Col	24	16	17	238	222	383	93	77	89
Virginia	21,155	24,269	23,282	151,585	159,208	169,030	41,726	55,890	53,425
West Virginia	9,031	8,409	10,292	43,989	38,533	52,207	11,206	13,828	16,261
North Carolina	20,149	24,983	31,065	103,282	119,996	133,587	31,968	43,621	49,671
South Carolina	12,265	13,669	15,135	92,053	80,251	66,015	25,153	32,564	26,447
Georgia	20,797	22,024	21,992	124,579	122,228	89,402	37,671	51,076	35,624
Florida	7,308	8,356	8,437	50,581	70,877	79,857	12,910	18,279	21,607
East S. Central	109,619	103,782	120,348	670,595	482,813	486,077	176,102	202,449	186,684
Kentucky	35,531	29,782	31,471	230,557	150,923	163,603	67,116	65,403	62,778
Tennessee	27,496	25,770	27,673	159,001	131,288	129,553	49,836	53,890	49,750
Alabama	24,748	23,659	29,617	81,889	79,541	94,205	29,103	33,328	37,422
Mississippi	21,844	24,571	31,585	99,149	121,061	98,716	30,046	49,829	36,734
West S. Central	131,550	117,523	122,321	1,134,848	924,782	952,691	304,632	345,423	322,234
Arkansas	29,504	26,489	26,669	129,348	115,471	92,603	38,539	46,283	35,388
Louisiana	10,301	12,958	14,983	68,362	70,564	70,066	20,491	30,270	26,675
Oklahoma	34,045	27,366	24,097	272,616	184,013	181,340	73,434	73,079	60,932
Texas	57,700	50,710	56,572	664,523	554,735	608,682	172,167	195,790	199,239
Mountain	74,118	59,368	55,714	927,908	543,823	559,443	283,424	234,899	206,919
Montana	21,244	11,754	9,612	240,550	95,174	92,696	77,950	42,565	36,599
Idaho	17,142	12,997	13,210	223,649	121,917	128,334	69,868	54,912	50,225
Wyoming	3,937	3,653	3,721	55,610	33,654	38,177	15,303	14,865	12,782
Colorado	15,735	14,444	12,665	211,701	144,065	127,163	62,623	61,408	48,855
New Mexico	4,331	4,828	3,623	43,085	31,215	32,748	11,178	11,579	10,025
Arizona	2,876	2,628	2,775	50,453	36,330	37,254	15,648	13,321	11,618
Utah	8,086	7,996	9,135	84,578	59,172	82,583	24,335	26,164	28,741
Nevada	767	1,068	973	18,281	22,296	20,488	6,519	10,084	8,074
Pacific	71,196	87,156	88,602	1,132,848	1,248,296	1,363,400	337,184	435,483	434,943
Washington	19,503	23,412	23,813	202,018	199,425	221,341	61,121	74,212	72,303
Oregon	14,355	17,393	18,183	166,663	174,196	186,174	51,999	65,592	64,117
California	37,338	46,351	46,606	764,166	874,675	955,885	224,064	295,689	298,523

Source: Bureau of the Census, Department of Commerce.

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No. 550.—MORTGAGE STATUS OF FARMS OWNED BY OPERATOR

Item	1900 [1]	1910	1920	1925	1930
FARMS OWNED WHOLLY OR IN PART BY THE OPERATOR					
Total number	3,638,403	3,948,722	3,925,090	3,868,332	3,568,394
Reported as free from mortgage	2,419,180	2,588,596	2,074,325	(2)	1,845,997
Reported as mortgaged	1,093,164	1,312,034	1,461,306	1,395,026	1,497,766
Unknown (no report)	126,059	48,092	389,459	(2)	224,631
Per cent of total—					
Free from mortgage	66.5	65.6	52.8	(2)	51.7
Reporting mortgage debt	30.0	33.2	37.2	36.1	42.0
Unknown (no report)	3.5	1.2	9.9	(2)	6.3
FARMS OWNED WHOLLY BY THE OPERATOR					
Total number	3,201,947	3,354,897	3,366,510	3,313,490	2,911,644
Number reporting amount of mortgage debt	(2)	1,006,511	1,193,047	1,128,207	1,145,737
Per cent of total	(2)	30.0	35.4	34.0	39.4
Value of all wholly owned farms (land and buildings)—1,000 dollars	9,129,328	17,310,639	30,710,721	24,208,740	21,123,465
Ratio of mortgage debt to value—per cent	(2)	10.0	13.0	18.7	19.3
Reporting mortgage debt:					
Total number	(2)	1,006,511	1,193,047	1,128,207	1,145,737
Value of land and buildings—1,000 dollars	(2)	6,330,237	13,775,500	10,790,244	10,307,732
Amount of mortgage debt—do	(2)	1,726,173	4,003,767	4,517,259	4,080,176
Ratio of mortgage debt to value—per cent	(2)	27.3	29.1	41.9	39.6
Average per mortgaged farm—					
Value of land and buildings—dollars	(2)	6,289	11,546	9,564	8,997
Amount of mortgage debt—do	(2)	1,715	3,356	4,004	3,561
Equity owned—do	(2)	4,574	8,191	5,560	5,435

[1] Farm homes occupied by their owners. [2] Not available.

Source: Bureau of the Census, Department of Commerce.

No. 551.—NUMBER OF FARMS: By Kind of Road on Which Located, 1930

Kind of road	United States	New England	Middle Atlantic	East North Central	West North Central
Total number of farms	6,288,648	124,925	357,603	966,502	1,112,755
Kind of road located on:					
Concrete	202,594	3,185	35,395	60,022	20,704
Brick	13,180	7	1,714	8,372	1,136
Asphalt	72,011	1,892	4,743	5,859	1,115
Macadam	306,397	18,894	64,821	91,538	7,290
Gravel	1,279,113	31,460	35,833	395,149	209,730
Sand-clay	156,531	456	1,257	4,915	5,102
Improved dirt	1,638,954	18,449	38,679	131,642	423,792
Unimproved dirt	2,279,989	45,588	160,903	231,416	401,660
All other (including not reported)	339,879	4,994	14,258	37,589	42,226

Kind of road	South Atlantic	East South Central	West South Central	Mountain	Pacific
Total number of farms	1,058,468	1,062,214	1,103,134	241,314	261,733
Kind of road located on:					
Concrete	31,032	11,875	14,093	4,409	21,879
Brick	1,521	163	179	3	85
Asphalt	22,704	9,015	17,405	864	8,414
Macadam	37,188	48,221	4,822	2,748	30,875
Gravel	64,802	249,862	152,481	51,806	87,990
Sand-clay	109,792	19,991	13,810	912	296
Improved dirt	268,212	242,765	406,718	70,365	38,332
Unimproved dirt	457,086	419,195	422,303	92,007	49,831
All other (including not reported)	66,131	61,127	71,323	18,200	24,031

Source: Bureau of the Census, Department of Commerce.

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No. 552.—FARM MACHINERY AND

Division and State	Telephones		Water piped into dwelling		Water piped into bathroom		Dwellings lighted by electricity		Automobiles		
	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms
United States	**2,139,194**	**34.0**	**994,202**	**15.8**	**531,248**	**8.4**	**841,310**	**13.4**	**4,134,675**	**3,650,003**	**58.0**
New England	**76,284**	**61.1**	**79,815**	**63.9**	**32,684**	**26.2**	**53,655**	**42.9**	**89,287**	**75,566**	**60.5**
Maine	22,189	56.9	19,121	49.0	4,918	12.6	12,920	33.1	26,227	23,015	59.0
New Hampshire	9,313	62.5	10,995	73.8	3,857	25.9	6,160	41.3	11,079	9,288	62.3
Vermont	15,093	60.6	18,013	72.3	6,185	24.8	7,565	30.4	18,620	15,825	63.6
Massachusetts	16,581	64.8	19,083	74.5	10,939	42.7	16,037	62.6	17,638	14,737	57.6
Rhode Island	1,742	52.4	1,887	56.8	1,027	30.9	1,910	57.5	2,569	2,055	61.9
Connecticut	11,366	66.1	10,716	62.3	5,758	33.5	9,063	52.7	13,154	10,646	61.9
Middle Atlantic	**161,879**	**45.3**	**135,699**	**37.9**	**63,766**	**17.8**	**114,098**	**31.9**	**316,509**	**254,084**	**71.1**
New York	78,185	48.9	59,276	37.1	29,555	18.5	55,019	34.4	141,916	115,010	72.0
New Jersey	10,373	40.9	12,359	48.7	8,162	32.2	13,441	53.0	22,371	17,782	70.1
Pennsylvania	73,321	42.5	64,064	37.2	26,049	15.1	45,638	26.5	152,222	121,292	70.3
East North Central	**560,462**	**58.0**	**211,272**	**21.9**	**92,489**	**9.6**	**202,656**	**21.0**	**676,667**	**770,108**	**79.7**
Ohio	121,214	55.3	64,104	29.2	24,320	11.1	56,740	25.9	201,552	172,078	78.5
Indiana	110,333	60.8	35,451	19.5	14,380	7.9	30,335	16.7	154,556	141,374	77.9
Illinois	147,672	68.8	42,391	19.8	23,583	11.0	34,231	16.0	192,873	170,606	79.5
Michigan	73,757	43.5	40,872	24.1	15,673	9.3	34,785	20.5	150,922	133,565	78.9
Wisconsin	107,486	59.1	28,454	15.7	14,533	8.0	46,565	25.6	176,764	152,485	83.9
West North Central	**724,545**	**65.1**	**180,402**	**16.2**	**94,108**	**8.5**	**146,969**	**13.2**	**1,075,578**	**920,814**	**82.8**
Minnesota	114,693	61.9	23,124	12.5	11,183	6.0	23,342	12.6	185,717	159,372	86.0
Iowa	180,876	84.2	51,635	24.0	31,435	14.6	46,042	21.4	240,512	193,810	90.2
Missouri	137,712	53.8	21,308	8.3	10,881	4.3	20,223	7.9	176,466	164,087	64.1
North Dakota	31,878	40.9	5,844	7.5	2,537	3.3	6,192	7.9	78,798	67,496	86.6
South Dakota	44,608	53.6	12,089	14.5	4,657	5.6	9,070	10.9	81,923	71,965	86.5
Nebraska	93,888	72.5	38,357	29.6	17,817	13.8	21,380	16.5	141,144	118,860	91.8
Kansas	120,890	72.8	28,045	16.9	15,598	9.4	20,720	12.5	171,018	145,224	87.5
South Atlantic	**117,464**	**11.1**	**66,783**	**6.3**	**41,354**	**3.9**	**64,173**	**6.1**	**481,693**	**445,454**	**42.1**
Delaware	2,420	24.9	1,500	15.5	1,033	10.6	1,561	16.1	8,724	7,498	77.2
Maryland	11,935	27.6	10,354	24.0	6,173	14.3	9,145	21.2	37,972	30,519	70.6
Dist. of Col	69	66.3	48	46.2	43	41.3	67	64.4	60	45	43.3
Virginia	30,418	17.8	15,291	9.0	10,032	5.9	13,009	7.6	88,463	80,296	47.1
West Virginia	28,117	34.0	9,650	11.7	3,848	4.7	5,330	6.4	36,978	33,434	40.5
North Carolina	19,852	7.1	9,308	3.3	5,351	1.9	15,006	5.4	132,876	125,196	44.8
South Carolina	6,357	4.0	5,176	3.3	3,757	2.4	6,067	3.8	61,754	59,029	37.4
Georgia	14,771	5.8	7,877	3.1	4,959	1.9	7,499	2.9	88,479	85,276	33.4
Florida	3,525	6.0	7,559	12.8	6,158	10.4	6,489	11.0	26,387	24,161	41.0
East South Central	**142,204**	**13.4**	**27,171**	**2.6**	**17,316**	**1.6**	**31,952**	**3.0**	**335,003**	**320,640**	**30.2**
Kentucky	61,631	25.0	8,378	3.4	5,128	2.1	10,691	4.3	86,784	82,034	33.3
Tennessee	45,205	18.4	8,018	3.3	4,903	2.0	10,010	4.1	89,022	84,067	34.2
Alabama	19,510	7.6	5,182	2.0	3,194	1.2	6,459	2.5	73,634	71,167	27.6
Mississippi	15,858	5.1	5,593	1.8	4,091	1.3	4,792	1.5	85,563	83,372	26.7
West South Central	**181,647**	**16.5**	**88,376**	**8.0**	**50,281**	**4.6**	**40,240**	**3.6**	**536,641**	**503,548**	**45.6**
Arkansas	25,046	10.3	3,690	1.5	2,392	1.0	5,121	2.1	65,935	63,800	26.3
Louisiana	6,106	3.8	4,964	3.1	3,841	2.4	4,174	2.6	43,082	41,453	25.7
Oklahoma	53,149	26.1	10,820	5.3	6,521	3.2	8,091	4.0	127,448	117,537	57.7
Texas	97,346	19.6	68,902	13.9	37,527	7.6	22,854	4.6	300,176	280,758	56.7
Mountain	**68,217**	**28.3**	**48,324**	**20.0**	**26,303**	**10.9**	**49,173**	**20.4**	**183,020**	**163,303**	**67.7**
Montana	9,697	20.4	5,382	11.3	2,608	5.5	3,547	7.5	38,166	34,477	72.6
Idaho	15,733	37.8	9,970	23.9	5,227	12.5	12,809	30.7	33,966	30,776	73.8
Wyoming	4,483	28.0	1,995	12.5	982	6.1	1,145	7.2	12,824	11,462	71.6
Colorado	23,877	39.8	12,314	20.5	6,183	10.3	9,393	15.7	52,258	45,546	76.0
New Mexico	2,879	9.2	2,804	8.9	1,626	5.2	1,691	5.4	15,395	14,091	44.9
Arizona	2,672	18.9	4,083	28.8	2,772	19.6	3,671	25.9	9,916	8,211	57.9
Utah	7,416	27.3	10,661	38.9	6,157	22.7	15,778	58.1	17,574	16,343	60.2
Nevada	1,460	42.4	1,215	35.3	748	21.7	1,139	33.1	2,921	2,397	69.6
Pacific	**106,492**	**40.7**	**156,380**	**59.7**	**112,947**	**43.2**	**138,394**	**52.9**	**240,277**	**196,486**	**75.1**
Washington	31,764	44.8	34,476	48.6	20,726	29.2	34,056	48.0	55,995	50,769	71.6
Oregon	26,557	48.2	24,265	44.0	15,217	27.6	18,397	33.4	47,440	41,511	75.3
California	48,171	35.5	97,639	72.0	77,004	56.8	85,941	63.3	136,842	104,206	76.8

Source: Bureau of the Census, Department of Commerce.

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FACILITIES: By States, 1930

Motor trucks			Tractors			Electric motors for farm work			Stationary gas engines			Division and State
Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	Number	Farms reporting	Per cent of all farms	
900,385	845,335	13.4	920,021	851,457	13.5	386,191	256,663	4.1	1,131,108	945,000	15.0	U. S.
37,972	33,328	26.7	14,109	13,111	10.5	23,706	14,792	11.8	34,481	27,828	22.3	N. E.
10,781	9,879	25.3	3,410	3,214	8.2	5,575	3,447	8.8	8,342	7,005	18.0	Me.
4,539	4,051	27.2	1,096	1,013	6.8	2,416	1,561	10.5	3,725	3,020	20.3	N. H.
5,035	4,625	18.6	2,426	2,342	9.4	3,645	2,358	9.5	10,962	8,437	33.9	Vt.
9,572	7,982	31.2	3,921	3,563	13.9	6,846	4,266	16.7	5,283	4,328	16.9	Mass
1,701	1,366	41.1	589	516	15.5	1,181	646	19.4	707	544	16.4	R. I.
6,344	5,425	31.5	2,667	2,463	14.3	4,043	2,514	14.6	5,462	4,494	26.1	Conn.
120,789	109,756	30.7	81,970	76,719	21.5	48,682	32,311	9.0	131,099	103,864	29.0	M. A.
58,974	54,084	33.8	40,369	37,790	23.6	24,342	16,012	10.0	64,723	50,094	31.3	N. Y.
14,753	12,504	49.3	8,088	7,241	28.5	5,879	4,102	16.2	9,036	6,963	27.4	N. J.
47,062	43,168	25.0	33,513	31,688	18.4	18,461	12,197	7.1	57,340	46,807	27.1	Pa.
198,172	189,040	19.6	249,333	238,995	24.7	96,552	65,344	6.8	334,688	281,878	29.2	E. N. C.
39,210	36,693	16.7	52,974	50,693	23.1	21,278	14,000	6.4	52,508	45,108	20.6	Ohio.
30,037	28,468	15.7	41,979	40,402	22.3	11,030	7,795	4.3	39,380	35,192	19.4	Ind.
40,371	38,877	18.1	69,628	66,172	30.8	15,557	10,452	4.9	79,300	66,640	31.1	Ill.
36,768	34,894	20.6	34,579	33,098	19.5	14,892	10,285	6.1	55,366	46,574	27.5	Mich.
51,786	50,108	27.6	50,173	48,630	26.8	33,795	22,812	12.6	108,134	88,364	48.6	Wis.
180,857	174,764	15.7	318,160	295,160	26.5	78,006	49,972	4.5	422,474	356,995	32.1	W. N. C.
36,557	35,503	19.2	48,457	46,171	24.9	19,926	11,721	6.3	112,376	93,382	50.4	Minn.
32,669	31,874	14.8	66,258	63,166	29.4	27,801	17,277	8.0	114,977	94,772	44.1	Iowa.
20,132	19,215	7.5	24,999	23,673	9.2	4,949	3,580	1.4	31,718	27,477	10.7	Mo.
16,990	16,502	21.2	37,605	34,148	43.8	4,878	3,203	4.1	44,165	35,226	45.2	N. D.
14,816	14,485	17.4	33,837	30,972	37.2	4,686	3,283	3.9	34,475	29,765	35.8	S. D.
26,045	25,176	19.4	40,729	37,955	29.3	8,303	5,807	4.5	45,902	41,945	32.4	Nebr.
33,648	32,009	19.3	66,275	59,075	35.6	7,463	5,101	3.1	38,861	34,428	20.7	Kans.
94,946	88,019	8.3	47,376	43,983	4.2	16,083	11,209	1.1	42,900	36,595	3.5	S. A.
2,996	2,781	28.6	1,600	1,447	14.9	513	384	4.0	1,788	1,453	15.0	Del.
11,284	10,205	23.6	7,208	6,744	15.6	3,669	2,557	5.9	9,330	7,832	18.1	Md.
81	57	54.8	17	15	14.4	8	7	6.7	10	8	7.7	D. C.
19,459	17,964	10.5	9,757	9,142	5.4	3,632	2,427	1.4	10,298	8,959	5.3	Va.
7,432	6,936	8.4	2,792	2,641	3.2	1,269	884	1.1	4,314	3,705	4.5	W. Va.
18,558	17,613	6.3	11,426	11,034	3.9	2,320	1,633	.6	4,981	4,547	1.6	N. C.
6,966	6,575	4.2	3,462	3,229	2.0	945	757	.5	2,677	2,358	1.5	S. C.
15,967	15,036	5.9	5,870	5,349	2.1	1,246	968	.4	5,000	4,130	1.6	Ga.
12,203	10,852	18.4	5,244	4,382	7.4	2,481	1,592	2.7	4,502	3,603	6.1	Fla.
45,568	43,234	4.1	24,393	22,584	2.1	4,691	3,509	.3	14,892	13,284	1.3	E. S. C.
7,188	6,740	2.7	7,322	6,951	2.8	1,484	1,121	.5	5,326	4,821	2.0	Ky.
9,039	8,563	3.5	6,865	6,556	2.7	1,603	1,216	.5	4,895	4,382	1.8	Tenn.
12,838	12,169	4.7	4,664	4,259	1.7	972	678	.3	2,485	2,154	.8	Ala.
16,503	15,762	5.0	5,542	4,818	1.5	632	494	.2	2,186	1,927	.6	Miss.
98,791	92,300	8.4	74,010	68,177	5.7	9,862	7,305	.7	35,706	30,671	2.8	W. S. C.
11,000	10,526	4.3	5,684	4,263	1.8	1,460	1,056	.4	4,730	3,911	1.6	Ark.
9,281	8,769	5.4	5,016	3,810	2.4	633	510	.3	2,639	2,072	1.3	La.
23,930	23,039	11.3	25,962	23,328	11.4	2,418	1,688	.8	9,363	8,499	4.2	Okla.
52,580	49,966	10.1	37,348	31,776	6.4	5,351	4,051	.8	18,974	16,189	3.3	Tex.
55,742	52,488	21.8	48,007	43,171	17.9	17,551	11,751	4.9	46,133	38,671	16.0	Mt.
14,615	13,783	29.0	19,031	17,093	36.0	1,708	1,088	2.3	13,639	11,588	24.4	Mont.
6,281	5,986	14.4	4,691	4,377	10.5	6,713	4,406	10.6	10,024	8,252	19.8	Idaho.
4,108	3,820	23.9	4,110	3,749	23.4	481	315	2.0	3,424	2,929	18.3	Wyo.
16,918	16,052	26.8	13,334	12,029	20.1	3,299	2,289	3.8	11,470	9,970	16.6	Colo.
5,328	5,024	16.0	2,497	2,227	7.1	580	393	1.3	2,018	1,567	5.0	N. M.
3,062	2,719	19.2	2,558	2,043	14.4	2,054	1,427	10.1	3,095	2,357	16.6	Ariz.
4,189	3,986	14.7	1,426	1,335	4.9	1,756	1,269	4.7	1,236	1,111	4.1	Utah.
1,241	1,118	32.5	360	318	9.2	960	564	16.4	1,227	897	26.1	Nev.
69,548	62,406	23.6	62,663	54,557	20.8	91,056	60,470	23.1	68,735	55,214	21.1	Pac.
18,836	17,622	24.9	8,388	7,890	11.1	15,788	10,751	15.2	18,762	15,373	21.7	Wash.
9,741	9,110	16.5	9,838	9,157	16.6	9,010	6,043	11.0	17,189	13,633	24.7	Oreg.
40,971	35,674	26.3	44,437	37,510	27.6	66,260	43,676	32.2	32,784	26,208	19.3	Calif.

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No. 553.—FARM EXPENDITURES FOR

[Amounts in thousands of dollars]

Division and State	Feed			Fertilizer					
							Commercial fertilizer		
	Farms reporting	Per cent of all farms	Amount expended	Farms reporting	Per cent of all farms	Amount expended	Farms reporting	Per cent of all farms	Tons bought
United States	**3,283,400**	**52.2**	**919,190**	**2,324,090**	**37.0**	**271,059**	**2,239,546**	**35.6**	**7,535,022**
New England	**104,673**	**83.8**	**67,416**	**68,537**	**54.9**	**15,413**	**68,318**	**54.7**	**345,303**
Maine	30,493	78.2	11,498	23,953	61.4	7,288	23,865	61.2	170,950
New Hampshire	12,716	85.3	7,623	6,960	46.7	440	6,947	46.6	11,500
Vermont	21,900	88.0	11,547	11,945	48.0	681	11,928	47.9	17,443
Massachusetts	21,634	84.5	20,671	14,289	55.8	3,015	14,232	55.6	68,611
Rhode Island	2,892	87.1	3,047	1,890	56.9	336	1,872	56.4	7,909
Connecticut	15,038	87.5	13,030	9,500	55.2	3,653	9,474	55.1	68,890
Middle Atlantic	**293,504**	**82.1**	**154,687**	**224,819**	**62.9**	**30,202**	**206,325**	**57.7**	**798,433**
New York	131,917	82.5	77,400	90,500	56.6	11,506	81,424	51.0	287,959
New Jersey	20,970	82.6	20,829	16,948	66.8	6,583	16,913	66.6	162,361
Pennsylvania	140,617	81.6	56,458	117,371	68.1	12,113	107,988	62.6	348,113
East North Central	**642,422**	**66.5**	**146,850**	**350,789**	**36.3**	**29,284**	**318,594**	**33.0**	**773,057**
Ohio	140,122	63.9	32,604	131,372	59.9	11,028	129,486	59.0	330,444
Indiana	113,734	62.6	26,135	83,006	45.7	7,054	81,679	45.0	206,144
Illinois	143,337	66.8	35,973	30,639	14.3	3,594	15,143	7.1	53,800
Michigan	107,275	63.3	21,051	72,128	42.6	5,474	66,550	39.3	140,083
Wisconsin	137,954	75.9	31,087	33,644	18.5	2,134	25,736	14.2	42,586
West North Central	**678,626**	**61.0**	**214,676**	**67,978**	**6.1**	**4,472**	**56,419**	**5.1**	**106,332**
Minnesota	113,627	61.3	19,679	9,402	5.1	714	8,968	4.8	15,803
Iowa	145,500	67.7	53,703	15,767	7.3	1,171	10,015	4.7	21,177
Missouri	167,613	65.5	47,253	35,762	14.0	2,031	32,564	12.7	57,432
North Dakota	28,296	36.3	4,204	572	0.7	52	342	0.4	958
South Dakota	40,527	48.7	12,436	319	0.4	21	103	0.1	133
Nebraska	79,355	61.3	42,286	635	0.5	54	428	0.3	732
Kansas	103,708	62.5	35,115	5,471	3.3	429	3,999	2.4	10,097
South Atlantic	**427,520**	**40.4**	**63,893**	**813,149**	**76.8**	**119,239**	**808,199**	**76.4**	**3,707,305**
Delaware	7,417	76.4	3,685	7,550	77.8	1,301	7,525	77.5	42,736
Maryland	32,070	74.2	10,613	33,697	78.0	5,525	33,676	77.9	180,363
Dist. of Columbia	84	80.8	117	73	70.2	18	72	69.2	305
Virginia	81,507	47.8	12,640	110,588	64.8	11,781	108,162	63.4	388,937
West Virginia	44,942	54.4	5,694	30,320	36.7	1,161	30,208	36.6	45,656
North Carolina	121,859	43.6	11,116	234,426	83.8	34,687	233,467	83.5	1,107,763
South Carolina	40,134	25.4	3,573	139,234	88.2	22,080	138,976	88.0	708,470
Georgia	77,050	30.1	8,358	217,456	85.1	27,533	216,633	84.8	860,602
Florida	22,457	38.1	8,097	39,805	67.5	15,153	39,480	67.0	372,473
East South Central	**390,887**	**36.8**	**43,041**	**530,273**	**49.9**	**40,094**	**529,175**	**49.8**	**1,185,827**
Kentucky	105,486	42.8	12,506	74,112	30.1	2,599	73,822	29.9	92,823
Tennessee	104,476	42.5	10,810	96,704	39.4	4,110	96,613	39.3	138,600
Alabama	88,111	34.2	8,229	208,058	80.8	21,830	207,677	80.7	646,707
Mississippi	92,814	29.7	11,496	151,309	48.4	11,555	151,063	48.3	307,697
West South Central	**454,367**	**41.2**	**75,221**	**221,100**	**20.9**	**15,719**	**219,773**	**19.9**	**431,855**
Arkansas	110,676	45.7	12,407	73,686	30.4	4,607	73,314	30.3	127,293
Louisiana	59,055	36.6	7,872	66,541	41.2	5,229	66,333	41.1	143,657
Oklahoma	93,234	45.7	17,138	4,440	2.2	252	4,171	2.0	7,895
Texas	191,402	38.6	37,804	76,433	15.4	5,631	75,955	15.3	153,010
Mountain	**117,397**	**48.6**	**46,824**	**5,817**	**2.4**	**680**	**3,824**	**1.6**	**10,272**
Montana	20,692	43.6	6,872	303	0.6	30	157	0.3	248
Idaho	22,051	52.9	7,040	1,694	4.1	81	1,342	3.2	2,091
Wyoming	7,995	49.9	5,136	281	1.8	25	203	1.3	358
Colorado	31,212	52.1	13,829	1,484	2.5	165	749	1.2	1,175
New Mexico	12,476	39.7	3,816	844	2.7	98	720	2.3	2,339
Arizona	6,885	48.6	3,472	524	3.7	176	512	3.6	3,704
Utah	13,929	51.3	4,938	646	2.4	49	106	0.4	264
Nevada	2,157	62.7	1,721	41	1.2	6	35	1.0	93
Pacific	**174,004**	**66.5**	**106,582**	**41,628**	**15.9**	**16,006**	**28,919**	**11.0**	**176,638**
Washington	51,429	72.5	25,297	9,610	13.6	1,194	8,370	11.8	21,561
Oregon	38,519	69.8	13,167	8,163	14.8	670	4,499	8.2	12,467
California	84,056	62.0	68,118	23,855	17.6	14,142	16,050	11.8	142,610

[1] Including automobiles, trucks, tractors, etc.

[2] Paid to a power company.

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SPECIFIED PURPOSES: BY STATES, 1929

[Amounts in thousands of dollars]

Farm labor, exclusive of housework (cash)				Farm implements and machinery [1]			Electric light and power [2]			Division and State
Farms reporting	Per cent of all farms	Amount expended	Days of labor employed (thousands)	Farms reporting	Per cent of all farms	Amount expended	Farms reporting	Per cent of all farms	Amount expended	
2,631,601	**41.8**	**955,420**	**410,985**	**1,750,588**	**27.8**	**692,548**	**571,007**	**9.1**	**46,484**	**U. S.**
73,836	**59.1**	**49,839**	**16,357**	**40,420**	**32.4**	**17,608**	**45,522**	**36.4**	**2,986**	**New Eng.**
22,795	58.4	9,043	3,091	12,140	31.1	5,384	10,938	28.0	498	Me.
8,849	59.4	3,980	1,410	4,209	28.2	1,700	5,014	33.6	307	N. H.
15,364	61.7	5,495	2,431	8,413	33.8	3,084	6,403	25.7	331	Vt.
15,247	59.6	17,288	5,138	8,775	34.3	4,135	13,821	54.0	1,051	Mass.
1,885	56.7	2,277	721	1,139	34.3	581	1,671	50.3	153	R. I.
9,696	56.4	11,756	3,566	5,744	33.4	2,724	7,675	44.6	646	Conn.
197,968	**55.4**	**94,688**	**35,908**	**137,646**	**38.5**	**56,994**	**87,533**	**24.5**	**5,735**	**Mid. Atl.**
90,455	56.6	45,421	17,420	65,326	40.9	28,041	43,350	27.1	2,770	N. Y.
14,648	57.7	17,553	5,636	9,880	38.9	5,409	10,968	43.2	920	N. J.
92,865	53.9	31,714	12,852	62,440	36.2	23,544	33,215	19.3	2,045	Pa.
448,382	**46.4**	**132,476**	**60,664**	**330,482**	**34.2**	**124,124**	**129,047**	**13.4**	**7,372**	**E. N. C.**
90,363	41.2	25,409	11,056	57,431	26.2	20,617	37,695	17.2	1,930	Ohio.
68,943	38.0	16,786	8,258	45,752	25.2	16,580	18,569	10.2	908	Ind.
112,916	52.6	40,946	18,216	77,321	36.0	34,332	18,317	8.5	1,192	Ill.
76,078	44.9	19,853	8,268	60,932	36.0	20,848	24,233	14.3	1,252	Mich.
100,062	55.0	29,482	14,866	89,046	49.0	31,747	30,233	16.6	2,090	Wis.
603,904	**54.3**	**178,678**	**76,337**	**481,100**	**43.2**	**246,396**	**72,093**	**6.5**	**4,569**	**W. N. C.**
105,057	56.7	27,527	13,204	87,672	47.3	35,115	12,413	6.7	855	Minn.
122,669	57.1	39,681	17,609	108,286	50.4	51,567	25,149	11.7	1,627	Iowa.
96,649	37.8	19,851	10,663	59,551	23.3	17,401	12,486	4.9	602	Mo.
57,838	74.2	24,595	8,765	41,261	52.9	26,745	1,721	2.2	150	N. Dak.
48,762	58.6	14,647	6,144	41,186	49.5	24,375	2,534	3.0	182	S. Dak.
76,806	59.3	25,356	9,946	65,862	50.9	36,080	7,485	5.8	559	Nebr.
96,123	57.9	27,021	10,006	77,282	46.5	55,113	10,305	6.2	594	Kans.
367,185	**34.7**	**91,880**	**57,253**	**222,033**	**21.0**	**37,512**	**37,416**	**3.5**	**2,241**	**S. Atl.**
5,285	54.4	2,518	1,090	3,423	35.3	1,354	1,027	10.6	89	Del.
25,454	58.9	12,866	5,966	13,407	31.0	5,128	6,226	14.4	446	Md.
70	67.3	317	95	22	21.2	10	54	51.9	3	D. C.
62,451	36.6	18,774	10,338	31,478	18.5	8,474	7,730	4.5	470	Va.
28,933	35.0	5,012	2,581	11,737	14.2	2,880	2,844	3.4	154	W. Va.
88,837	31.8	11,674	7,858	48,125	17.2	6,705	8,774	3.1	403	N. C.
49,180	31.1	9,003	8,656	35,082	22.2	3,589	3,039	1.9	145	S. C.
78,998	30.9	13,992	12,202	67,806	26.5	5,898	3,591	1.4	207	Ga.
27,977	47.4	17,724	8,467	10,953	18.6	3,474	4,131	7.0	324	Fla.
250,148	**23.5**	**33,775**	**23,532**	**158,151**	**14.9**	**24,724**	**18,776**	**1.8**	**1,031**	**E. S. C.**
70,788	28.7	11,489	6,901	26,550	10.8	6,155	5,863	2.4	323	Ky.
71,184	29.0	8,661	6,278	36,009	14.7	6,575	6,720	2.7	337	Tenn.
60,365	23.5	7,073	5,746	60,208	23.4	5,569	3,839	1.5	197	Ala.
47,811	15.3	6,552	4,607	35,384	11.3	6,425	2,354	0.8	174	Miss.
394,848	**35.8**	**110,614**	**58,398**	**215,330**	**19.5**	**74,715**	**18,534**	**1.7**	**1,680**	**W. S. C.**
66,036	27.2	9,627	6,043	39,988	16.5	5,955	2,689	1.1	309	Ark.
35,919	22.2	13,081	8,883	23,704	14.7	4,361	1,949	1.2	241	La.
90,606	44.4	22,245	10,025	53,682	26.3	24,462	3,942	1.9	268	Okla.
202,287	40.8	65,661	33,447	97,956	19.8	39,937	9,954	2.0	862	Tex.
132,285	**54.8**	**85,897**	**31,242**	**88,578**	**36.7**	**56,908**	**39,160**	**16.2**	**2,789**	**Mountain.**
27,421	57.7	16,371	5,754	20,812	43.8	17,442	1,983	4.2	158	Mont.
25,475	61.1	12,706	4,088	17,336	41.6	9,698	10,731	25.7	671	Idaho.
8,481	53.0	8,605	3,199	6,873	42.9	4,727	454	2.8	47	Wyo.
35,016	58.4	21,550	7,756	22,834	38.1	13,700	6,548	10.9	423	Colo.
12,483	39.7	6,556	3,254	6,960	22.2	3,750	1,102	3.5	117	N. Mex.
6,158	43.4	10,389	3,946	3,565	25.2	2,832	3,070	21.7	773	Ariz.
15,127	55.7	6,059	1,974	8,864	32.6	3,877	14,462	53.2	544	Utah.
2,124	61.7	3,661	1,271	1,334	38.8	882	810	23.5	56	Nev.
163,065	**62.3**	**177,573**	**51,294**	**76,848**	**29.4**	**53,567**	**122,926**	**47.0**	**18,081**	**Pacific.**
40,990	57.8	29,158	8,454	21,229	29.9	12,842	29,070	41.0	1,846	Wash.
31,583	57.3	18,257	6,185	17,107	31.0	9,907	14,991	27.2	796	Oreg.
90,492	66.7	130,158	36,655	38,512	28.4	30,818	78,865	58.1	15,439	Calif.

Source: Bureau of the Census, Department of Commerce.

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No. 554.—AVERAGE PREVAILING FARM WAGE RATE AND INDEX NUMBERS OF FARM WAGES

NOTE.—To 1923, yearly averages are from reports by crop reporters, giving average wages for the year in their locality; thereafter, wage rates per month are straight averages of quarterly rates April, July, October of the current year and January of the following year

Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910–1914=100)	Year	Average yearly farm wage per month—		Weighted average wage rate per month	Index numbers of farm wages (1910–1914=100)
	With board	Without board				With board	Without board		
1866	$10.09	$15.50	$13.14	55	1913	$21.27	$30.21	$24.83	104
1874 or 1875	11.16	17.10	14.19	59	1914	20.90	29.72	24.26	101
1879 or 1880	11.70	17.53	14.14	59	1915	21.08	29.97	24.46	102
1881 or 1882	12.88	19.11	15.48	65	1916	23.04	32.58	26.83	112
1884 or 1885	13.08	19.22	15.58	65	1917	28.64	40.19	33.42	140
1887 or 1888	13.29	19.67	15.87	66	1918	35.12	49.13	42.12	176
1889 or 1890	13.29	19.45	15.79	66	1919	40.14	56.77	49.11	206
1891 or 1892	13.48	20.02	16.06	67	1920	47.24	65.05	57.01	239
1893	13.85	19.97	15.93	67	1921	30.25	43.58	35.77	150
1894	12.70	18.57	14.60	61	1922	29.31	42.09	34.91	146
1895	12.75	18.74	14.69	62	1923	33.09	46.74	39.64	166
1898	13.29	19.16	15.58	65	1924	33.34	47.22	39.67	166
1899	13.90	19.97	16.34	68	1925	33.88	47.80	40.12	168
1902	15.51	22.12	18.12	76	1926	34.86	48.86	40.88	171
1906	18.73	26.19	21.92	92	1927	34.58	48.63	40.60	170
1909	20.48	28.09	23.00	96	1928	34.66	48.65	40.44	169
1910	19.58	28.04	23.08	97	1929	34.74	49.08	40.52	170
1911	19.85	28.33	23.25	97	1930	31.14	44.59	36.24	152
1912	20.46	29.14	24.01	101	1931	23.60	35.03	27.61	116

Basis of rate and division	1930				1931				1932	
	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1	July 1	Oct. 1	Jan. 1	Apr. 1
PER MONTH, WITH BOARD										
United States	**$32.29**	**$33.83**	**$33.47**	**$31.23**	**$26.03**	**$25.99**	**$25.35**	**$23.31**	**$19.77**	**$19.19**
North Atlantic States	44.57	45.05	45.43	42.89	36.59	36.22	36.13	34.50	29.13	28.44
North Central States	36.24	40.21	39.42	36.98	28.56	31.28	30.05	27.33	21.46	22.27
South Atlantic States	23.28	23.30	23.05	21.75	19.53	17.50	17.58	16.07	14.43	13.38
South Central States	24.75	24.71	24.48	21.96	19.34	17.88	17.88	16.40	14.76	13.37
Western States	50.66	53.99	53.52	51.23	42.65	43.07	40.17	36.95	32.39	31.18
PER MONTH, WITHOUT BOARD										
United States	**46.80**	**47.81**	**47.24**	**44.28**	**39.04**	**38.37**	**37.00**	**34.22**	**30.53**	**29.13**
North Atlantic States	67.46	67.23	67.62	64.65	58.65	56.86	55.47	54.34	48.80	45.88
North Central States	51.20	54.34	53.01	50.14	42.29	43.96	41.73	38.51	32.70	32.41
South Atlantic States	34.12	33.88	33.28	31.65	28.93	26.44	26.17	23.88	21.80	20.04
South Central States	35.53	35.30	35.27	31.23	28.69	26.64	25.99	23.78	21.90	20.24
Western States	75.10	77.27	76.36	73.97	63.73	65.02	61.84	55.83	51.45	49,68
PER DAY, WITH BOARD										
United States	**1.73**	**1.72**	**1.72**	**1.61**	**1.38**	**1.33**	**1.29**	**1.18**	**1.02**	**.97**
North Atlantic States	2.55	2.55	2.59	2.50	2.19	2.11	2.09	2.00	1.70	1.60
North Central States	2.08	2.11	2.09	1.97	1.62	1.61	1.53	1.39	1.14	1.12
South Atlantic States	1.24	1.20	1.20	1.10	1.00	.90	.91	.82	.74	.68
South Central States	1.23	1.22	1.21	1.07	.95	.89	.88	.80	.72	.67
Western States	2.38	2.39	2.42	2.36	1.98	1.96	1.81	1.69	1.48	1.41
PER DAY, WITHOUT BOARD										
United States	**2.27**	**2.27**	**2.23**	**2.12**	**1.87**	**1.80**	**1.73**	**1.59**	**1.40**	**1.35**
North Atlantic States	3.31	3.38	3.34	3.27	2.99	2.86	2.82	2.70	2.37	2.27
North Central States	2.74	2.78	2.71	2.60	2.21	2.19	2.07	1.88	1.59	1.57
South Atlantic States	1.62	1.57	1.55	1.46	1.37	1.23	1.20	1.08	1.02	.91
South Central States	1.63	1.60	1.55	1.40	1.25	1.16	1.15	1.07	.96	.90
Western States	3.19	3.22	3.25	3.14	2.75	2.73	2.50	2.32	2.12	2.06

Source: Bureau of Agricultural Economics Department of Agriculture.

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No. 555.—FERTILIZER: ESTIMATED SALES IN THE UNITED STATES

NOTE.—Data are based on fertilizer tag sales for Southern States and on sales records, etc., for others. Where actual sales records are not available, estimates made by State authorities or the office of the National Fertilizer Association and based largely on records are shown as indicated by footnotes. Estimates for 1929 and 1930 have been revised and differ from those previously published

[In tons of 2,000 pounds]

Division and State	1924	1925	1926	1927	1928	1929	1930	1931 (prel.)
United States	**6,824,911**	**7,833,166**	**7,328,268**	**6,843,199**	**7,985,019**	**8,078,548**	**8,212,076**	**6,338,601**
New England	**355,768**	**360,656**	**316,700**	**363,147**	**365,119**	357,465	372,219	357,594
Maine	[1] 182,000	[1] 185,000	147,000	183,750	[2] 178,750	185,650	195,650	195,000
New Hampshire [3]	[1] 16,000	[1] 16,000	[1] 14,680	[1] 16,875	[1] 16,900	[4] 11,500	[1] 11,500	[1] 10,500
Vermont	[1] 17,000	[1] 18,000	[1] 18,000	15,663	16,911	14,905	16,069	15,031
Massachusetts [3]	61,968	62,656	58,920	71,734	70,458	[4] 68,611	72,000	65,063
Rhode Island [2 5]	8,800	9,000	8,100	10,125	10,100	[4] 7,909	8,000	7,000
Connecticut	[1] 70,000	[1] 70,000	[1] 70,000	[1] 65,000	[1] 72,000	[4] 68,890	[1] 69,000	[1] 65,000
Middle Atlantic	**722,512**	**728,148**	**698,045**	**728,149**	**748,558**	**798,433**	**806,000**	**730,800**
New York	[2] 250,000	253,000	234,000	260,000	[2] 260,000	[4] 287,959	[2] 288,000	[2] 260,000
New Jersey [6]	152,827	146,686	135,141	141,635	143,574	[4] 162,361	170,000	150,800
Pennsylvania	319,685	328,462	328,904	326,514	[2] 339,984	[4] 348,113	348,000	320,000
East North Central	**640,806**	**894,517**	**679,001**	**718,948**	**755,711**	**820,402**	**788,274**	**607,879**
Ohio	321,287	321,960	304,480	312,703	320,866	338,662	327,179	249,305
Indiana [8]	192,417	226,148	228,280	240,498	221,082	250,201	224,055	166,005
Illinois	17,527	24,582	25,227	[2] 26,000	30,509	38,056	40,818	31,959
Michigan	94,575	109,327	105,014	117,227	[2] 150,213	[2] 152,812	[2] 145,000	[2] 115,000
Wisconsin	15,000	12,500	16,000	22,520	33,041	40,671	51,222	45,610
West North Central	**64,971**	**83,952**	**82,874**	**83,574**	**99,565**	**107,638**	**109,714**	**90,577**
Minnesota	[2] 8,000	[2] 9,000	11,316	11,387	[2] 14,211	[4] 15,803	16,254	15,000
Iowa	[2] 4,500	[1] 6,000	[7] 6,021	[7] 7,181	[1] 10,000	[4] 21,177	[1] 24,597	[1] 22,000
Missouri [9]	47,121	63,939	56,891	56,100	64,922	58,892	59,810	48,944
North Dakota	[2] 200	[2] 225	250	398	[2] 450	[4] 958	[1] 1,548	[1] 1,000
South Dakota	[2] 150	[2] 150	[2] 150	[2] 200	[2] 220	[4] 133	[2] 150	[2] 150
Nebraska	[2] 500	[2] 500	[2] 500	[2] 500	[2] 600	[4] 732	[2] 1,000	[2] 500
Kansas	[2] 4,500	[1] 4,138	7,746	[2] 7,800	9,162	[8] 9,943	[8] 6,355	[8] 2,983
South Atlantic	**3,741,099**	**3,927,484**	**3,921,678**	**3,686,528**	**4,191,219**	**4,048,417**	**4,137,674**	**3,311,658**
Delaware	36,224	41,006	43,084	41,126	40,817	[4] 42,736	43,000	39,000
Maryland	151,211	165,474	163,285	165,174	173,159	[4] 180,363	192,000	146,139
Virginia [3]	441,895	451,656	435,223	408,008	437,709	429,886	449,178	379,269
West Virginia	[2] 40,000	[2] 41,000	[2] 43,000	[2] 43,500	[2] 49,700	[4] 45,656	[2] 45,000	[2] 40,000
North Carolina [3]	1,183,053	1,217,822	1,218,176	1,171,499	1,349,360	1,293,572	1,242,036	1,003,406
South Carolina [6]	844,440	873,255	840,128	726,736	788,293	760,069	749,230	598,866
Georgia [6]	678,959	778,808	780,302	713,047	883,274	868,911	928,606	686,191
Florida [3]	365,317	358,463	398,480	417,438	468,907	427,224	488,624	418,787
East South Central	**863,192**	**1,091,317**	**1,141,275**	**880,123**	**1,255,676**	**1,239,001**	**1,325,977**	**841,492**
Kentucky	85,000	93,000	91,500	70,500	90,500	93,000	114,000	105,000
Tennessee [3]	115,230	142,174	156,336	112,473	150,726	142,745	163,909	119,156
Alabama [6]	456,840	598,115	615,364	478,400	681,100	675,450	644,350	419,950
Mississippi [3]	206,122	258,028	278,075	218,750	333,350	327,806	403,718	197,386
West South Central	**353,209**	**340,179**	**371,090**	**253,137**	**422,930**	**532,415**	**485,039**	**228,396**
Arkansas [6]	96,750	123,387	126,175	75,487	126,391	156,582	157,648	62,096
Louisiana [6]	124,668	110,784	114,347	92,866	143,693	174,278	175,560	94,359
Oklahoma	[2 9] 4,000	[1 9] 5,000	[1 9] 5,418	[1 9] 4,263	[8] 8,203	[8] 9,422	[8] 6,613	[8] 7,089
Texas [6]	127,791	101,008	125,150	80,521	144,643	192,133	145,218	64,852
Mountain	**2,580**	**2,980**	**3,553**	**3,833**	**4,558**	**10,272**	**10,690**	**13,870**
Montana			[3] 50	[1] 90	[2] 100	[4] 248	[2] 250	[2] 100
Idaho [3]	[1] 400	[1] 400	[1] 420	[2] 450	[2] 500	[4] 2,091	[2] 2,100	[2] 1,000
Wyoming		[2] 100	[2] 150	[2] 200	[2] 300	[4] 358	[2] 350	[2] 700
Colorado	[2] 250	[2] 250	337	607	[1] 728	[4] 1,175	[1] 1,200	[1] 3,875
New Mexico	[2] 1,000	[2] 1,200	1,556	1,256	[2] 1,400	[4] 2,339	[2] 2,400	[2] 1,045
Arizona	[2] 500	[2] 500	[2] 500	[1] 700	[1] 1,000	[4] 3,704	[1] 4,000	[1] 2,100
Utah	[2] 400	[1] 500	[1] 500	[2] 500	[2] 500	[4] 264	[2] 300	[2] 5,000
Nevada	[2] 30	[2] 30	[2] 30	[2] 30	[2] 30	[4] 93	[2] 90	[2] 50
Pacific	**80,774**	**103,933**	**114,052**	**125,768**	**146,683**	**164,505**	**176,489**	**156,335**
Washington	[2] 7,000	[2] 10,000	12,207	14,244	[2] 15,500	[4] 21,561	[2] 21,500	[2] 17,500
Oregon	[2] 7,500	[1] 8,000	[2] 8,000	[2] 9,000	[1] 10,000	[4] 12,467	[1] 12,500	[1] 11,000
California	66,274	85,933	93,845	102,524	121,183	130,477	142,489	127,835

[1] Estimated by State authorities.
[2] Estimated.
[3] Year ended June 30, except data for 1929.
[4] Agricultural census.
[5] Year ended Mar. 31, except data for 1929.
[6] Year ended Oct. 31.
[7] Totals of four companies plus estimates for others.
[8] Based on tag sales.
[9] Year ended June 30.

Source: The National Fertilizer Association.

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No. 556.—FARM TAXES, FARMS OWNED WHOLLY BY THE OPERATOR: BY STATES, 1929

[Acreage in thousands; all money figures, except average tax per acre, in thousands of dollars]

Division and State	All farms operated by full owners, number	Farms operated by full owners reporting total taxes and real estate taxes							
		Number of farms	Per cent reporting	Acreage	Value of land and buildings	Taxes on all farm property	Taxes on land and buildings		
							Total	Average per acre	Ratio to value (per cent)
United States	**2,911,644**	**2,565,157**	**88.1**	**325,909**	**18,841,822**	**281,403**	**238,940**	**$0.73**	**1.27**
New England	**107,800**	**96,741**	**90.2**	**10,566**	**630,572**	**12,204**	**9,921**	**.94**	**1.57**
Maine	35,468	32,303	91.1	3,781	152,856	3,596	2,800	.74	1.83
New Hampshire	12,966	11,021	85.0	1,354	51,500	1,276	1,069	.79	2.08
Vermont	20,662	19,358	93.7	2,858	104,221	2,067	1,591	.56	1.53
Massachusetts	21,410	19,410	90.7	1,394	169,916	3,381	2,839	2.04	1.67
Rhode Island	2,523	2,160	85.6	173	17,904	226	192	1.11	1.07
Connecticut	14,271	12,489	87.5	1,006	134,175	1,658	1,430	1.42	1.07
Middle Atlantic	**278,193**	**249,157**	**89.6**	**22,642**	**1,713,955**	**28,173**	**26,434**	**1.17**	**1.54**
New York	124,206	114,172	91.9	11,861	814,162	12,103	11,486	.97	1.41
New Jersey	19,564	16,554	84.6	976	172,176	3,141	2,745	2.81	1.59
Pennsylvania	134,423	118,431	88.1	9,805	727,617	12,929	12,203	1.24	1.68
East North Central	**570,660**	**521,402**	**91.4**	**42,966**	**4,016,666**	**76,484**	**65,193**	**1.30**	**1.62**
Ohio	136,332	124,572	91.4	10,491	826,522	18,263	14,969	1.43	1.81
Indiana	97,553	87,027	89.2	7,595	533,700	13,235	10,787	1.42	2.02
Illinois	85,069	76,964	90.5	8,511	885,680	11,407	9,756	1.15	1.10
Michigan	118,928	107,248	90.2	9,467	649,949	14,409	13,455	1.42	2.07
Wisconsin	132,778	125,591	94.6	13,902	1,120,815	19,170	16,226	1.17	1.45
West North Central	**457,770**	**418,891**	**91.5**	**72,480**	**4,895,181**	**62,806**	**53,600**	**.74**	**1.09**
Minnesota	97,878	91,588	93.6	12,423	927,764	13,242	11,707	.94	1.26
Iowa	85,272	75,189	88.2	10,007	1,343,765	15,455	13,724	1.37	1.02
Missouri	127,989	119,496	93.4	14,945	794,407	8,628	7,123	.48	.90
North Dakota	23,807	21,326	89.6	7,940	237,600	4,280	3,688	.46	1.55
South Dakota	22,372	18,330	81.9	5,438	262,893	4,014	3,354	.62	1.28
Nebraska	43,301	40,134	92.7	10,996	723,595	7,515	6,118	.56	.85
Kansas	57,151	52,828	92.4	10,730	605,157	9,672	7,886	.73	1.30
South Atlantic	**467,100**	**410,389**	**87.9**	**39,849**	**1,834,544**	**24,787**	**19,839**	**.50**	**1.08**
Delaware	5,816	5,019	86.3	381	31,952	269	238	.63	.75
Maryland	28,333	22,765	80.3	1,932	162,729	2,149	1,873	.97	1.15
Dist. of Col	53	53	100.0	1	1,527	15	14	21.18	.90
Virginia	104,956	97,440	92.8	9,994	519,918	4,694	3,546	.35	.68
West Virginia	60,581	55,553	91.7	5,873	227,978	3,859	2,965	.50	1.30
North Carolina	115,765	103,664	89.5	8,477	376,428	6,366	5,109	.60	1.36
South Carolina	45,515	40,835	89.7	3,940	144,925	2,248	1,810	.46	1.25
Georgia	70,596	59,133	83.8	7,247	188,971	2,926	2,339	.32	1.24
Florida	35,485	25,927	73.1	2,004	180,116	2,261	1,945	.97	1.08
East South Central	**397,594**	**342,303**	**86.1**	**34,014**	**1,171,792**	**17,341**	**14,714**	**.43**	**1.26**
Kentucky	135,215	113,699	84.1	10,873	454,321	5,511	4,601	.42	1.01
Tennessee	109,853	94,737	86.2	8,623	348,756	4,479	4,207	.49	1.21
Alabama	75,144	65,954	87.8	6,965	183,057	2,126	1,731	.25	.95
Mississippi	77,382	67,913	87.8	7,553	185,658	5,225	4,175	.55	2.25
West South Central	**325,989**	**275,222**	**84.4**	**49,097**	**1,636,814**	**19,777**	**15,774**	**.32**	**.96**
Arkansas	72,597	64,475	88.8	6,528	185,149	2,334	1,678	.26	.91
Louisiana	46,893	37,347	79.6	3,235	134,130	2,268	1,859	.57	1.39
Oklahoma	53,647	42,787	79.8	6,630	290,707	4,477	3,759	.57	1.29
Texas	152,852	130,613	85.5	32,704	1,026,828	10,698	8,478	.26	.83
Mountain	**130,287**	**99,468**	**76.3**	**30,141**	**823,374**	**14,004**	**10,777**	**.36**	**1.31**
Montana	20,101	16,030	79.7	7,935	137,045	2,222	1,636	.21	1.19
Idaho	24,194	20,233	83.6	3,387	174,516	3,140	2,586	.76	1.48
Wyoming	7,896	6,151	77.9	3,793	54,867	848	567	.15	1.03
Colorado	26,929	21,938	81.5	6,203	185,735	3,285	2,564	.41	1.38
New Mexico	19,930	12,315	61.8	4,139	59,367	878	655	.16	1.10
Arizona	9,727	4,456	45.8	911	51,947	862	681	.75	1.31
Utah	19,046	16,461	86.4	2,673	128,313	2,245	1,729	.65	1.35
Nevada	2,464	1,884	76.5	1,100	31,584	524	359	.33	1.14
Pacific	**176,751**	**151,584**	**85.8**	**17,154**	**2,118,924**	**25,827**	**22,688**	**1.32**	**1.07**
Washington	49,702	43,907	88.3	3,790	361,592	4,967	4,361	1.15	1.21
Oregon	36,674	32,199	87.8	5,467	290,720	3,961	3,399	.62	1.17
California	90,375	75,478	83.5	7,897	1,466,612	16,899	14,928	1.89	1.02

Source: Bureau of the Census, Department of Commerce.

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No. 557.—COOPERATIVE MARKETING AND PURCHASING THROUGH FARMERS' ORGANIZATIONS: BY STATES, 1924 AND 1929

NOTE.—For total number of all farms (base for percentages) see Table 533

Division and State	Number of farms reporting sales			Number of farms reporting purchases			Value of farm products sold		Value of supplies purchased	
	1924	1929	Per cent of all farms, 1929	1924	1929	Per cent of all farms, 1929	1924	1929	1924	1929
							Thousands of dollars			
United States	**884,207**	**691,895**	**11.0**	**362,745**	**410,914**	**6.5**	**858,284**	**892,481**	**75,971**	**125,049**
New England	**10,845**	**9,170**	**7.3**	**10,787**	**10,897**	**8.7**	**20,745**	**21,068**	**5,709**	**8,802**
Maine	2,555	755	1.9	1,896	1,674	4.3	3,823	872	626	928
New Hampshire	428	461	3.1	1,701	1,647	11.0	375	676	911	1,113
Vermont	2,745	4,301	17.3	3,186	2,632	10.6	3,876	6,807	1,485	1,513
Massachusetts	2,091	1,448	5.7	2,278	2,891	11.3	4,145	4,988	1,462	2,545
Rhode Island	235	140	4.2	213	148	4.5	571	308	123	172
Connecticut	2,791	2,062	12.0	1,513	1,905	11.1	7,955	7,417	1,102	2,531
Middle Atlantic	**39,295**	**41,068**	**11.5**	**24,716**	**30,856**	**8.6**	**50,274**	**72,167**	**7,377**	**16,871**
New York	26,586	28,015	17.5	12,509	19,933	12.5	37,945	52,623	3,928	11,408
New Jersey	1,401	1,750	6.9	1,606	1,899	7.5	2,309	5,272	957	1,785
Pennsylvania	11,308	11,303	6.6	10,601	9,024	5.2	10,020	14,272	2,492	3,678
East North Central	**205,409**	**170,992**	**17.7**	**103,199**	**115,368**	**11.9**	**145,068**	**150,849**	**15,688**	**24,449**
Ohio	39,995	31,067	14.2	24,711	26,736	12.2	27,991	26,103	3,590	6,168
Indiana	28,550	20,461	11.3	14,558	18,742	10.3	17,213	16,687	1,774	3,464
Illinois	52,606	41,857	19.5	17,471	16,861	7.9	52,828	48,934	2,979	3,826
Michigan	38,730	31,331	18.5	25,124	28,721	17.0	19,552	16,581	3,607	5,797
Wisconsin	45,528	46,276	25.5	21,335	24,308	13.4	27,484	42,544	3,738	5,194
West North Central	**303,190**	**290,199**	**26.1**	**140,588**	**159,988**	**14.4**	**292,354**	**310,334**	**25,740**	**33,572**
Minnesota	79,891	95,639	51.6	26,066	39,561	21.4	73,261	105,966	3,844	6,414
Iowa	72,639	58,970	27.4	34,034	33,183	15.4	81,290	74,635	6,581	7,482
Missouri	60,860	47,442	18.5	33,343	31,982	12.5	32,574	29,448	4,587	6,506
North Dakota	12,913	20,382	26.1	5,527	11,085	14.2	17,032	20,831	1,363	1,622
South Dakota	17,769	18,141	21.8	8,835	11,176	13.4	18,651	16,409	1,451	2,079
Nebraska	28,139	23,397	18.1	15,461	15,098	11.7	32,741	26,649	3,715	4,442
Kansas	30,979	26,228	15.8	17,322	17,903	10.8	36,805	36,396	4,199	5,047
South Atlantic	**90,879**	**28,662**	**2.7**	**20,830**	**15,866**	**1.5**	**73,377**	**41,802**	**4,968**	**6,611**
Delaware	193	94	.7	415	186	1.9	122	86	136	139
Maryland	6,121	4,533	10.5	3,817	3,383	7.8	7,298	6,925	910	1,178
Virginia	27,560	4,394	2.6	5,768	3,947	2.3	20,912	8,792	1,256	1,475
West Virginia	3,106	1,652	2.0	2,769	2,268	2.7	919	1,207	320	389
North Carolina	22,167	4,606	1.6	2,791	2,158	.8	13,018	2,907	450	483
South Carolina	10,601	2,469	1.6	819	555	.4	8,922	3,856	335	718
Georgia	13,376	5,142	2.0	2,388	1,724	.7	9,082	3,660	304	400
Florida	7,755	5,802	9.8	2,063	1,645	2.8	13,104	14,369	1,257	1,829
East South Central	**91,073**	**19,670**	**1.9**	**21,293**	**15,948**	**1.5**	**49,827**	**13,603**	**2,691**	**2,526**
Kentucky	53,704	4,793	1.9	3,308	1,260	.5	27,515	2,736	504	276
Tennessee	15,303	3,552	1.4	4,490	2,872	1.2	7,182	1,382	445	382
Alabama	11,365	7,270	2.8	7,640	7,682	3.0	7,029	3,864	1,021	1,360
Mississippi	10,701	4,055	1.3	5,855	4,134	1.3	8,101	5,621	721	508
West South Central	**67,715**	**42,292**	**3.8**	**17,720**	**18,421**	**1.7**	**75,724**	**48,177**	**2,703**	**3,882**
Arkansas	8,861	4,651	1.9	3,910	2,519	1.0	7,119	3,154	460	358
Louisiana	10,114	7,467	4.6	4,393	6,929	4.3	8,604	7,075	782	1,366
Oklahoma	19,049	21,715	10.7	4,878	5,273	2.6	20,854	23,489	667	950
Texas	29,691	8,459	1.7	4,539	3,700	.7	39,147	14,459	794	1,208
Mountain	**24,581**	**28,347**	**11.7**	**8,000**	**12,298**	**5.1**	**35,044**	**36,703**	**1,710**	**3,573**
Montana	2,899	5,374	11.7	708	3,034	6.4	5,081	6,730	135	822
Idaho	3,272	7,031	16.9	1,040	2,174	5.2	2,712	7,711	144	447
Wyoming	1,231	2,145	13.4	512	581	3.6	1,009	2,466	226	218
Colorado	10,828	6,783	11.3	3,703	3,339	5.6	21,090	8,400	883	804
New Mexico	2,014	1,443	4.6	829	569	1.8	3,254	2,531	139	171
Arizona	523	639	4.5	222	182	1.3	1,514	2,953	65	95
Utah	3,775	4,193	15.4	974	2,284	8.4	2,368	4,264	116	980
Nevada	39	339	15.7	12	135	3.9	16	1,648	2	36
Pacific	**51,220**	**61,495**	**23.5**	**15,612**	**31,272**	**11.9**	**115,871**	**197,778**	**9,385**	**24,763**
Washington	13,205	16,737	23.6	6,500	11,885	16.8	20,564	33,338	3,470	9,006
Oregon	5,590	8,638	15.7	2,858	4,502	8.2	8,062	11,367	1,160	1,445
California	32,425	36,120	26.6	6,254	14,885	11.0	87,245	153,073	4,755	14,312

Source: Bureau of the Census, Department of Commerce.

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No. 558.—FARMERS' BUSINESS ASSOCIATIONS: NUMBER OF ASSOCIATIONS LISTED AND ESTIMATED MEMBERSHIP AND BUSINESS, BY STATES AND COMMODITY GROUPS

NOTE.—**Business in thousands of dollars.** Estimates are based on reports received from association officers. Membership includes shareholders, contract members, shippers, consignors, and patrons. Business includes the f. o. b. value at shipping point of farm products sold by the associations, the sales value of farm supplies sold to members, and the revenue derived by associations rendering services such as ginning cotton, warehousing tobacco, storing wheat, etc.

Division and State	Associations			Estimated membership			Estimated business		
	1925	1930	1931	1925	1930	1931	1924–25	1929–30	1930–31
United States	10,803	12,000	11,950	2,700,000	3,100,000	3,000,000	2,400,000	2,500,000	2,400,000
New England	259	197	208	75,000	88,000	87,900	85,170	92,810	90,870
Maine	82	51	51	14,400	9,700	9,160	12,460	4,280	5,030
New Hampshire	14	15	14	2,600	3,800	2,750	3,230	3,120	2,600
Vermont	61	51	46	8,200	11,100	7,500	11,040	13,530	11,610
Massachusetts	48	38	50	39,200	55,800	61,320	39,130	56,520	55,770
Rhode Island	7	7	5	400	600	440	1,300	960	770
Connecticut	47	35	42	10,200	7,000	6,730	18,010	14,400	15,090
Middle Atlantic	522	430	478	160,000	207,900	190,130	153,080	233,540	244,080
New York	286	223	260	100,000	122,500	115,660	103,760	171,600	181,390
New Jersey	20	32	44	6,000	9,400	8,630	5,930	5,240	8,790
Pennsylvania	216	175	174	54,000	76,000	65,840	43,390	56,700	53,900
East North Central	3,075	3,456	3,301	575,000	811,500	774,010	558,270	589,230	523,670
Ohio	395	386	361	115,300	172,400	139,390	107,340	101,050	90,030
Indiana	330	337	332	80,300	110,600	105,340	60,440	49,990	48,770
Illinois	822	970	955	131,000	206,700	236,650	195,210	204,600	192,220
Michigan	436	433	393	128,300	142,500	126,000	82,200	86,100	75,070
Wisconsin	1,092	1,330	1,260	120,100	179,300	166,630	113,080	147,490	117,580
West North Central	4,825	5,327	5,265	850,000	1,242,400	1,191,550	836,630	859,220	780,470
Minnesota	1,383	1,568	1,533	217,400	330,200	299,580	223,980	218,210	193,980
Iowa	1,094	1,200	1,159	179,800	267,600	261,860	172,710	210,520	186,030
Missouri	537	640	645	170,600	180,400	176,200	83,490	94,340	94,580
North Dakota	460	535	536	60,300	102,200	101,890	91,280	71,700	66,050
South Dakota	397	409	380	65,000	94,700	91,090	74,080	62,980	56,760
Nebraska	488	510	529	74,100	178,200	176,840	91,930	103,220	95,660
Kansas	466	465	483	82,800	89,100	84,090	99,160	98,250	87,410
South Atlantic	385	451	472	280,000	125,400	134,590	152,325	107,070	119,070
Delaware	12	4	4	1,200	200	100	960	600	100
Maryland	16	35	47	12,600	19,400	25,690	12,200	19,510	19,000
Dist. of Columbia	1	1	1	1,000	1,100	1,250	2,300	5,000	5,450
Virginia	96	78	78	25,700	26,100	26,350	21,615	18,410	19,440
West Virginia	42	55	50	6,100	10,000	8,120	2,820	4,760	3,690
North Carolina	50	64	62	139,900	20,500	22,790	43,380	13,720	13,770
South Carolina	18	18	26	16,600	6,900	12,690	18,130	9,260	12,980
Georgia	46	68	67	67,900	27,200	25,620	16,210	11,140	15,670
Florida	104	128	137	9,000	14,000	11,980	34,710	24,670	28,970
East South Central	277	305	309	295,000	159,300	145,450	117,270	84,390	60,380
Kentucky	56	61	55	194,700	69,300	32,600	58,650	6,930	6,260
Tennessee	111	108	109	32,600	27,700	29,930	9,560	7,360	12,050
Alabama	63	83	85	38,300	39,600	53,060	16,940	21,550	18,990
Mississippi	47	53	60	29,400	22,700	30,860	32,120	28,550	23,080
West South Central	454	602	619	250,000	180,500	195,860	128,630	122,690	132,515
Arkansas	101	127	122	54,500	21,000	14,290	17,935	8,760	6,250
Louisiana	38	49	49	25,800	18,100	24,850	13,340	16,910	18,860
Oklahoma	143	226	230	92,200	79,400	81,600	46,550	56,340	35,260
Texas	172	200	218	77,500	62,000	75,120	50,805	40,860	72,145
Mountain	363	454	460	75,000	100,800	118,280	70,950	70,680	97,395
Montana	102	135	132	21,200	20,700	25,700	19,690	17,570	17,700
Idaho	59	65	70	11,200	18,400	26,950	13,250	14,300	17,980
Wyoming	18	35	33	2,300	7,100	6,290	2,520	5,930	4,870
Colorado	101	123	134	21,200	27,100	34,980	23,600	17,270	32,445
New Mexico	20	25	25	2,500	4,700	4,110	2,160	3,190	4,415
Arizona	20	19	18	2,600	3,000	2,490	5,240	2,950	3,005
Utah	41	44	40	13,800	18,200	16,800	4,410	8,580	16,320
Nevada	2	8	8	200	1,600	960	80	890	660
Pacific	643	778	838	140,000	184,200	162,230	297,875	360,370	351,550
Washington	172	196	208	31,700	51,200	47,730	52,060	81,160	75,470
Oregon	121	143	151	17,100	33,900	28,190	21,655	26,470	26,280
California	350	439	479	91,200	99,100	86,310	223,960	252,740	249,800
Commodity groups:									
Cotton and products	121	199	261	300,000	150,000	190,000	150,000	110,000	130,000
Dairy products	2,197	2,458	2,391	460,000	650,000	725,000	535,000	680,000	620,000
Fruits and vegetables	1,237	1,384	1,386	180,000	218,000	182,000	280,000	320,000	319,000
Grain	3,338	3,448	3,448	520,000	810,000	775,000	750,000	690,000	621,000
Livestock	1,770	2,153	2,014	400,000	465,000	400,000	320,000	320,000	300,000
Poultry products	71	157	160	50,000	67,000	82,000	40,000	79,400	86,000
Tobacco	24	15	13	300,000	75,000	40,000	90,000	6,800	7,000
Wool and Mohair	91	131	136	50,000	40,000	64,000	10,000	10,800	26,000
All others	1,954	2,055	2,141	440,000	625,000	542,000	225,000	283,000	291,000

Source: Federal Farm Board.

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26.—FARM PRODUCTS—PRODUCTION, VALUE, PRICES, ETC., AND FOREIGN TRADE

[Data in this section relate to continental United States except foreign trade statistics, which represent the trade of the "customs area" (see headnote, Table 476)]

No. 559.—INDEXES OF THE VOLUME OF NET AGRICULTURAL PRODUCTION

NOTE.—1919–1927=100. Indexes are based on estimates of production for sale and for consumption in the farm home. Production fed to livestock or used for seed is not included. Calendar-year production of livestock and livestock products are here compared with crop production of the same year. Commodities included in the index contribute about 90 per cent of the gross income from agricultural production

Year	Total	Grains	Fruits and vegetables	Truck crops	Meat animals	Dairy products	Poultry products	Cotton and cottonseed
1919	91	101	82	71	96	81	85	91
1920	97	116	102	86	92	80	84	105
1921	87	100	76	74	91	91	95	64
1922	96	100	109	101	97	95	98	77
1923	101	97	108	99	107	103	107	80
1924	106	100	106	111	108	109	100	108
1925	106	95	98	115	102	110	104	128
1926	111	93	116	114	103	114	111	143
1927	106	97	104	120	103	116	116	103
1928	111	106	122	124	105	119	112	114
1929	109	87	102	141	105	122	116	118
1930	107	85	112	137	99	122	119	113
1931 (preliminary)	111	85	116	132	100	122	121	131

No. 560.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION

NOTE.—**In millions of dollars.** For explanation of gross income see headnote, Table 562. Data for 1924 to 1930 in the following table are based on State totals shown in Table 563, adjusted to exclude interstate sales of horses and mules and of seeds for planting. They include estimates of income from poultry other than chickens and from certain minor crops not included in State totals

Year	Total	Crops	Livestock and products	Year	Total	Crops	Livestock and products
1909	6,238	3,314	2,925	1921	8,927	4,488	4,440
1910	6,643	3,517	3,126	1922	9,944	5,350	4,594
1911	6,372	3,536	2,836	1923	11,041	5,969	5,072
1912	6,784	3,688	3,096	1924	11,337	6,170	5,167
1913	6,975	3,647	3,328	1925	11,968	6,147	5,820
1914	7,028	3,700	3,328	1926	11,480	5,648	6,012
1915	7,395	3,985	3,410	1927	11,616	5,817	5,799
1916	8,914	4,968	3,947	1928	11,741	5,675	6,066
1917	12,832	7,431	5,401	1929	11,911	5,609	6,302
1918	15,101	8,119	6,982	1930	9,347	3,971	5,376
1919	16,935	9,431	7,503	1931 (preliminary)	6,920	2,931	3,989
1920	13,566	6,862	6,704				

No. 561.—ESTIMATED GROSS INCOME FROM FARM PRODUCTION: BY GROUPS OF COMMODITIES

[In millions of dollars. See headnote, Table 560]

Source of income	1924	1925	1926	1927	1928	1929	1930
Grand total	11,337	11,968	11,480	11,616	11,741	11,911	9,347
Crops, total	6,170	6,147	5,468	5,817	5,675	5,609	3,971
Grains	1,755	1,496	1,432	1,592	1,513	1,281	760
Fruits and nuts	671	683	694	690	705	722	586
Vegetables	953	1,193	1,093	1,062	967	1,180	963
Sugar crops	104	95	103	104	92	97	105
Cotton and cottonseed	1,710	1,740	1,251	1,464	1,470	1,389	748
Tobacco	259	251	237	257	278	283	217
Other crops	719	689	659	649	650	657	592
Livestock and livestock products, total	5,167	5,820	6,012	5,799	6,066	6,302	5,376
Cattle, hogs, and sheep	2,380	2,822	2,922	2,664	2,727	2,817	2,455
Poultry and eggs	989	1,114	1,167	1,108	1,202	1,254	1,037
Dairy products	1,678	1,759	1,805	1,911	1,994	2,109	1,796
Wool	87	97	88	86	111	94	66
Other	33	28	30	30	32	28	22

Source of Tables 559, 560, and 561: Bureau of Agricultural Economics, Department of Agriculture.

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No. 562.—ESTIMATED FARM VALUE OF PRODUCTS, GROSS INCOME, AND CASH INCOME: By Commodities

NOTE.—Farm values of crops and animal products are obtained by multiplying State quantities by State average prices. Prices used in most cases are weighted averages—for animal products, calendar-year averages; for crops, averages for the period during which the crop is marketed. Gross income represents value of farm production sold plus value of production retained for use in the farm home, excluding, in the case of crops, amounts retained for feed and seed and amounts unfit for sale and consumption. Cash income excludes products used in the farm home

[All figures in millions and tenths of millions of dollars]

Product	Farm value			Gross income			Cash income		
	1924–1928, avg.	1929	1930	1924–1928, avg.	1929	1930	1924–1928, avg.	1929	1930
Grand total [1]				**11,699.2**	**11,983.3**	**9,401.9**	**9,920.7**	**10,205.5**	**7,875.9**
All crops	**9,942.9**	**9,561.9**	**6,964.0**	**5,928.6**	**5,687.9**	**4,031.9**	**5,261.4**	**5,010.6**	**3,452.7**
Corn	2,252.4	2,089.6	1,258.3	397.0	338.4	182.2	370.8	313.2	160.4
Wheat	1,006.2	849.5	566.2	847.2	696.2	401.4	833.8	685.3	393.2
Oats	594.2	524.8	463.7	147.2	109.0	80.0	147.2	109.0	79.9
Barley	152.4	164.9	133.7	61.3	50.8	35.7	61.3	50.8	35.7
Rye	44.1	36.5	22.4	33.5	24.7	13.6	33.1	24.3	13.3
Buckwheat	12.6	11.1	7.5	9.6	8.0	4.9	8.7	7.1	4.1
Rice	44.0	40.1	33.0	41.7	38.0	31.4	41.6	38.0	31.4
Grain sorghums	90.4	68.1	48.7	18.0	13.8	8.8	18.0	13.8	8.8
Other grains	4.3	3.6	3.8	2.0	1.9	2.4	2.0	1.9	2.4
Flaxseed	49.4	47.9	36.6	46.2	42.1	33.6	46.2	42.1	33.6
Cotton lint	1,374.0	1,245.1	656.4	1,374.0	1,245.1	656.4	1,374.0	1,245.1	656.4
Cottonseed	206.5	200.5	134.1	152.9	143.6	91.6	152.9	143.6	91.6
Tobacco	256.2	282.8	216.9	256.2	282.8	216.9	256.2	282.8	216.9
Hay	1,283.9	1,243.0	1,054.4	200.8	183.7	151.4	200.8	183.7	151.4
Clover seed (red and alsike)	17.2	26.5	17.3	14.3	23.7	14.7	3.0	23.7	2.7
Alfalfa seed	9.4	9.4	9.7	8.4	8.8	9.1	8.4	8.8	9.1
Other grass seed	12.3	6.7	6.4	10.2	5.3	5.3	10.2	5.3	5.3
Dry edible beans	53.1	79.5	53.0	48.0	72.2	50.0	47.6	71.7	49.7
Soy beans	25.4	38.6	34.0	7.0	15.4	11.6	7.0	15.4	11.6
Cowpeas	32.7	26.7	21.1	4.3	5.4	3.1	3.0	4.2	2.3
Peanuts	61.2	52.1	41.8	37.4	30.4	22.0	36.1	29.7	21.4
Potatoes, white	413.9	470.7	348.4	337.9	398.7	287.6	267.4	315.8	220.5
Sweet potatoes	94.9	97.7	71.0	92.7	80.1	59.1	69.5	59.7	40.3
Truck crops	313.9	363.9	336.1	313.9	363.9	336.1	292.2	339.6	313.8
Apples	202.1	198.4	167.8	194.3	192.5	162.3	156.2	151.4	130.2
Peaches	63.0	62.1	43.7	60.5	58.3	40.7	46.5	44.4	32.2
Pears	25.4	31.6	19.9	24.6	30.6	19.2	20.2	26.7	16.4
Cherries	8.1	13.9	13.9	8.1	13.9	13.9	7.4	12.5	12.8
Grapes	63.2	56.3	43.4	62.3	55.5	42.8	58.5	52.0	40.0
Strawberries	55.4	52.9	47.1	55.4	52.9	47.1	54.8	52.4	46.5
Other fruits and nuts	246.4	288.4	240.2	246.1	287.9	240.0	239.5	280.6	234.7
Sugar beets, for sugar	54.4	51.8	65.7	54.4	51.8	65.7	54.4	51.8	65.7
Sugar cane and sirup	27.0	29.7	21.5	18.2	22.6	16.4	12.1	15.9	11.7
Sorghum sirup	25.4	24.1	19.9	18.3	16.2	13.4	7.8	6.3	5.3
Maple sugar and sirup	8.7	6.3	9.6	8.7	6.3	9.6	7.6	5.6	8.7
Forest products	314.5	322.3	299.7	314.5	322.3	299.7	182.3	186.8	173.7
Farm gardens	290.1	285.4	245.4	290.1	285.4	245.4			
Nursery products	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
Greenhouse products	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
Other crops	57.1	62.2	54.2	14.3	12.6	9.5	14.3	12.6	9.5
Livestock and livestock products	**5,833.9**	**6,490.5**	**5,514.0**	**5,770.6**	**6,295.3**	**5,370.0**	**4,659.3**	**5,194.8**	**4,423.1**
Cattle and calves	928.7	1,172.5	990.0	1,003.7	1,082.8	937.0	974.3	1,050.6	905.4
Hogs	1,508.3	1,482.9	1,354.0	1,546.0	1,562.1	1,376.1	1,252.1	1,287.7	1,126.9
Sheep and lambs	175.2	195.4	144.3	153.2	172.0	142.2	150.0	168.6	139.1
Horses	41.9	38.3	35.1	14.8	10.0	9.2	14.8	10.0	9.2
Mules	20.1	17.8	15.4	11.4	9.7	7.2	11.4	9.7	7.2
Chickens	428.8	501.7	387.6	430.1	479.9	394.9	255.5	297.5	244.0
Eggs (chicken)	698.0	789.6	653.0	669.1	755.6	626.9	511.1	594.0	490.6
Milk	1,919.6	2,178.4	1,853.8	1,829.2	2,109.2	1,795.7	1,380.2	1,665.7	1,422.2
Wool and mohair	101.5	101.4	70.9	101.5	101.4	70.9	101.5	101.4	70.9
Honey and beeswax	11.7	12.5	9.9	11.7	12.5	9.9	8.3	9.5	7.6

[1] For United States totals adjusted for interstate duplications, etc., see Table 560, p. 601.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 563.—ESTIMATED GROSS AND CASH INCOME FROM FARM PRODUCTION: BY STATES

Note.—See headnote and footnote (1) Table 562

[In millions and tenths of millions of dollars]

Division and State	Gross income					Cash income				
	Crops and livestock combined			1930		Crops and livestock combined			1930	
	1924–1928, average	1929	1930	Crops	Livestock and products	1924–1928, average	1929	1930	Crops	Livestock and products
United States[1]	11,699.2	11,983.3	9,401.9	4,031.9	5,370.0	9,920.7	10,205.5	7,875.9	3,452.7	4,423.1
New England	310.4	360.1	315.6	136.8	178.9	260.9	310.6	272.3	113.8	158.5
Maine	80.7	105.9	76.6	46.0	30.5	66.0	91.4	63.8	39.1	24.7
New Hampshire	30.7	33.9	31.7	10.9	20.8	24.8	27.9	25.6	8.0	18.6
Vermont	55.0	60.4	55.7	15.0	40.6	46.5	51.5	47.8	10.6	37.2
Massachusetts	75.4	82.1	78.0	34.3	43.7	64.7	71.4	68.6	29.5	39.1
Rhode Island	9.7	10.7	10.5	3.2	7.2	8.5	9.4	9.3	2.7	6.6
Connecticut	58.9	67.2	63.3	27.3	36.0	50.4	59.0	56.2	23.9	32.3
Middle Atlantic	848.6	914.0	822.9	311.4	511.5	713.3	774.0	702.9	256.0	446.9
New York	408.6	438.6	399.5	146.6	252.9	354.8	382.8	352.6	125.6	226.9
New Jersey	105.7	106.8	103.2	58.5	44.7	95.1	97.0	94.6	54.6	40.0
Pennsylvania	334.4	368.5	320.2	106.3	213.9	262.6	294.2	255.8	75.8	180.0
East North Central	2,060.9	2,142.5	1,711.4	477.0	1,234.5	1,749.8	1,827.3	1,443.9	375.5	1,068.4
Ohio	414.5	409.6	327.5	88.4	239.1	338.1	334.4	262.6	64.4	198.3
Indiana	340.6	358.0	288.5	74.1	214.4	284.0	301.1	239.9	58.5	181.4
Illinois	597.8	600.6	474.6	154.7	319.9	526.5	528.9	413.5	135.7	277.7
Michigan	301.3	319.4	254.4	90.5	164.0	247.9	264.9	208.2	69.1	139.1
Wisconsin	406.7	454.8	366.4	69.3	297.1	353.4	398.1	319.7	47.8	271.9
West North Central	2,934.9	2,960.9	2,369.0	564.7	1,804.3	2,607.3	2,624.5	2,083.9	480.2	1,603.8
Minnesota	442.2	464.6	378.3	84.6	293.7	387.7	408.3	330.0	67.5	262.6
Iowa	703.8	727.6	601.3	83.0	518.2	637.5	660.3	543.7	65.5	478.3
Missouri	419.6	420.4	329.8	71.0	258.9	337.0	338.4	262.1	46.8	215.3
North Dakota	260.5	216.4	151.3	77.1	74.1	237.8	193.0	131.4	72.3	59.1
South Dakota	233.5	237.0	188.6	40.8	147.8	211.7	213.9	168.7	35.9	132.7
Nebraska	427.0	457.9	377.4	96.9	280.5	390.8	419.1	344.9	89.3	255.6
Kansas	448.3	437.0	342.4	111.3	231.1	404.8	391.4	303.1	102.9	200.2
South Atlantic	1,371.4	1,343.3	1,089.9	731.6	358.3	1,026.9	1,011.3	797.0	601.2	195.8
Delaware	20.9	23.6	18.6	9.6	9.0	17.7	20.2	15.7	8.2	7.5
Maryland	94.3	100.3	77.8	33.3	44.5	76.8	82.6	62.4	26.9	35.5
Virginia	213.8	219.1	163.3	85.8	77.6	150.7	155.3	109.3	61.3	48.0
West Virginia	90.6	92.0	77.1	29.3	47.8	57.0	58.6	48.0	15.7	32.3
North Carolina	372.6	326.9	265.1	199.7	65.4	286.1	244.6	190.6	166.4	24.2
South Carolina	179.7	165.6	134.6	104.3	30.4	132.1	120.8	94.1	85.4	8.7
Georgia	283.7	285.9	223.6	160.7	62.8	203.0	211.0	157.7	132.9	24.7
Florida	115.8	129.9	129.7	109.1	20.7	103.5	118.2	119.3	104.4	14.9
East South Central	977.3	993.5	689.6	422.3	267.3	709.5	737.9	469.3	330.8	138.5
Kentucky	232.2	233.4	178.7	86.7	92.1	159.6	164.3	121.4	64.0	57.3
Tennessee	232.5	239.4	173.0	92.1	80.9	158.3	168.7	111.9	66.3	45.5
Alabama	244.6	234.4	174.1	125.6	48.5	176.6	172.4	118.0	101.8	16.2
Mississippi	268.0	286.4	163.8	117.9	45.8	215.0	232.5	118.0	98.6	19.4
West South Central	1,608.0	1,482.2	973.4	591.3	382.1	1,371.9	1,246.6	772.9	529.1	243.8
Arkansas	243.0	248.2	131.5	85.6	45.9	187.3	193.7	86.5	65.9	20.6
Louisiana	167.1	172.0	121.3	94.1	27.1	140.4	145.4	97.5	85.2	12.3
Oklahoma	349.4	305.4	188.9	87.2	101.7	299.0	254.4	146.7	76.5	70.2
Texas	848.5	756.6	531.7	324.4	207.3	745.2	653.1	442.3	301.6	140.7
Mountain	668.8	705.9	553.0	243.1	309.9	613.7	647.7	503.9	230.0	273.9
Montana	143.3	133.3	92.7	29.9	62.8	131.5	120.6	82.1	27.1	55.0
Idaho	117.8	127.8	99.2	53.2	46.1	108.2	118.0	91.2	50.6	40.6
Wyoming	52.8	60.7	47.9	13.7	34.2	49.1	56.4	44.2	12.9	31.3
Colorado	157.4	172.0	155.1	78.4	76.7	144.1	157.7	143.2	75.9	67.2
New Mexico	56.8	64.8	41.7	13.8	27.9	50.9	59.1	36.8	12.7	24.2
Arizona	57.2	65.9	49.3	31.3	18.0	53.5	61.6	45.5	30.1	15.4
Utah	63.2	64.2	53.0	20.4	32.6	57.5	58.3	47.9	18.7	29.3
Nevada	20.2	17.2	13.9	2.3	11.6	19.0	16.0	12.9	2.2	10.8
Pacific	915.5	1,076.4	871.1	547.8	323.4	863.8	1,021.1	823.7	530.0	293.7
Washington	188.6	218.1	170.3	96.5	73.9	171.3	199.1	153.9	89.4	64.5
Oregon	131.6	146.3	114.3	54.0	60.3	118.0	131.9	102.0	48.9	53.1
California	595.3	712.0	586.5	397.3	189.2	574.5	690.0	567.7	391.6	176.1

[1] United States totals include income from sugar beets for Indiana, Illinois, Minnesota, Iowa, North Dakota, South Dakota, Kansas, and Washington, which is not distributed by States as follows: 1924–1928 average, $3,507,000; 1929, $4,491,000; 1930, $6,047,000. For gross income for the United States adjusted for interstate duplication, etc., see Table 560.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 564.—INDEX NUMBERS OF FARM PRICES AND WHOLESALE PRICES OF AGRICULTURAL PRODUCTS, BY GROUPS

[1923–1925=100]

Yearly average or year and month	Farm prices, 27 commodities [1]							Wholesale prices			
	Farm products	Grains	Fruits and vegetables	Meat animals	Dairy products	Poultry products	Cotton and cottonseed	Farm products	Grains	Livestock and poultry	Other farm products
1910–1914	72	75	71	86	71	66	48	69.4	[2] 72.4	[2] 86.6	[2] 59.8
1915–1920	121	144	120	138	100	109	93	120.1	144.4	134.0	102.6
1921–1925	94	92	103	97	100	100	86	95.4	94.0	97.9	94.3
1926–1930	95	92	112	123	96	97	65	97.0	94.6	117.1	87.3
1922	89	79	109	96	96	92	78	91.2	83.1	97.5	89.8
1923	97	86	97	90	106	96	107	95.9	86.0	91.1	101.4
1924	96	97	89	92	96	97	105	97.3	98.3	93.0	99.2
1925	106	117	114	118	98	107	88	106.8	115.6	115.9	99.5
1926	98	97	135	124	97	103	61	97.3	97.8	117.2	86.9
1927	94	96	111	118	99	93	64	96.7	98.6	115.9	86.2
1928	100	98	104	127	100	99	76	103.0	104.9	123.6	91.9
1929	99	91	97	132	100	105	72	102.0	95.2	124.4	92.6
1930	84	75	113	114	88	83	51	85.9	76.5	104.6	79.1
1931	58	47	70	79	67	64	31	63.0	51.8	74.9	60.1
1930											
January–March	94	85	120	126	93	99	60	95.2	86.8	117.8	86.3
April–June	89	81	137	121	87	73	59	90.1	79.8	108.9	83.4
July–September	79	73	112	106	85	74	46	82.1	75.4	99.4	75.3
October–December	73	63	83	100	87	89	38	76.9	65.2	92.4	72.4
December	70	60	77	95	84	84	36	73.2	62.6	89.4	67.9
1931											
January–March	66	57	78	92	73	62	38	69.3	59.3	84.2	64.6
April–June	62	54	84	84	66	55	36	65.7	57.1	76.7	62.5
July–September	54	41	69	76	63	61	28	61.3	45.0	74.6	59.1
October–December	49	39	49	63	67	78	23	56.2	46.4	64.5	54.6
December	48	39	49	58	66	80	22	54.2	45.9	60.6	53.2

[1] For 1922 to 1925, 30 commodities.

[2] 2-year average, 1913 and 1914.

No. 565.—INDEX NUMBERS OF PRICES RECEIVED AND PAID BY FARMERS AND OF WHOLESALE PRICES

[1923–1925=100]

Yearly average or year and month	Prices received for farm products	Prices paid by farmers for commodities bought [1]			Wages paid to hired farm labor	Wholesale prices			
		Total	For living	For production		All commodities	Farm products	Foods	Other commodities
1910–1914	72	65	61	69	60	68	69	68	[2] 67
1915–1920	121	104	102	106	98	115	120	111	112
1921–1925	94	100	100	99	95	99	95	98	101
1926–1930	95	99	98	99	100	94	97	103	91
1921	83	101	101	98	90	97	86	96	103
1922	89	98	98	97	87	96	91	93	100
1923	97	99	99	98	99	100	96	98	102
1924	96	99	99	99	99	97	97	96	98
1925	106	103	101	103	101	103	107	106	100
1926	98	101	101	99	102	99	97	106	98
1927	94	99	99	99	102	95	97	102	92
1928	100	101	99	101	101	96	103	107	92
1929	99	100	98	101	102	95	102	106	90
1930	84	94	93	97	91	86	86	96	83
1931	58	81	79	84	69	73	63	79	73
1930									
March	91	97	96	97	[3] 97	90	92	100	86
June	88	96	95	97	[3] 96	86	87	96	84
September	80	94	91	97	[3] 90	84	83	95	81
December	70	90	87	93	[3] 77	79	73	87	79
1931									
March	65	86	83	89	[3] 76	76	69	82	76
June	58	83	81	86	[3] 74	72	64	78	73
September	52	79	77	81	[3] 68	71	59	78	72
December	47	77	74	80	[3] 59	68	54	73	71

[1] Annual indexes are based on retail prices paid by farmers, reported quarterly.

[2] Average for 1913 and 1914.

[3] Wages for the month following the one stated in the stub.

Source of Tables 564 and 565: Computed from data of Departments of Agriculture and Labor.

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No. 566.—FOREIGN TRADE IN AGRICULTURAL AND FOREST PRODUCTS: YEARS ENDED JUNE 30

NOTE.—**All figures except percentages, in thousands of dollars.** Crude rubber and similar gums (now mostly plantation products) are included in agricultural products and excluded from forest products

Yearly average or year ended June 30—	Agricultural exports (excl. forest products)			Agricultural imports (excl. forest products)		Forest products		
	United States products		Foreign products (reexports)	Total	Per cent of all imports	Exports		Imports
	Total	Per cent of all exports [1]				United States products	Foreign products (reexports)	
1857–1861	215,709	81.1	10,372	122,055	38.5	9,995	764	5,905
1862–1866	148,866	75.7	9,272	123,539	43.4	7,366	714	7,194
1867–1871	250,713	76.9	8,785	182,762	43.0	11,775	443	11,825
1872–1876	396,666	78.5	9,177	268,481	47.4	17,907	635	14,403
1877–1881	591,351	80.4	8,745	273,780	51.8	17,579	439	14,610
1882–1886	557,473	76.3	9,803	324,606	48.8	24,705	955	21,354
1887–1891	573,287	74.7	7,274	381,971	50.3	26,061	1,152	24,630
1892–1896	638,748	73.0	9,420	416,042	53.9	29,276	734	27,448
1897–1901	827,566	65.9	13,009	404,335	53.9	45,961	1,236	25,172
1902–1906	879,541	59.5	14,554	528,165	50.2	63,585	1,219	40,960
1907–1911	975,399	53.9	16,812	707,997	50.4	88,764	1,803	65,822
1912–1916	1,256,452	45.1	28,070	1,030,602	55.8	92,129	1,768	81,467
1917–1921	2,859,558	42.7	82,829	2,165,276	61.5	120,260	3,596	168,982
1922–1926	1,950,850	45.9	58,806	1,982,253	53.5	141,078	1,715	214,824
1927–1931	1,620,896	35.9	57,806	1,941,580	51.2	156,822	1,462	205,675
1912	1,050,627	48.4	17,171	888,495	53.7	108,122	1,350	69,581
1913	1,123,652	46.3	19,652	916,634	50.6	124,836	2,809	82,878
1914	1,113,974	47.8	20,286	1,000,409	52.8	106,979	1,961	81,162
1915	1,475,938	54.3	38,222	997,911	59.6	52,554	1,287	79,451
1916	1,518,071	35.5	45,017	1,349,563	61.4	68,155	1,435	94,265
1917	1,968,253	31.6	45,420	1,599,660	60.2	68,919	3,392	129,580
1918	2,280,466	39.1	44,210	1,826,436	62.0	87,181	1,409	128,490
1919	3,579,918	50.6	105,587	1,930,028	62.3	113,275	3,758	132,588
1920	3,861,511	48.6	128,191	3,410,018	65.1	190,049	5,380	229,091
1921	2,607,641	40.8	90,739	2,060,237	56.4	141,876	4,043	225,162
1922	1,915,866	51.8	43,589	1,371,720	52.6	94,115	2,315	156,843
1923	1,799,168	46.3	48,393	2,077,240	54.9	129,981	1,955	234,598
1924	1,867,098	44.2	62,719	1,875,365	52.8	162,374	1,563	216,712
1925	2,280,381	47.7	64,168	2,057,163	53.8	156,187	1,290	227,423
1926	1,891,739	40.7	75,162	2,529,775	56.7	162,731	1,450	238,545
1927	1,907,864	39.2	72,222	2,281,421	53.7	171,970	1,365	238,247
1928	1,815,451	38.0	73,391	2,193,868	52.9	174,599	1,528	215,874
1929	1,847,216	35.0	63,942	2,179,046	50.8	178,092	2,157	222,249
1930	1,495,907	32.4	50,670	1,890,508	49.1	161,743	1,382	209,418
1931 (prel.)	1,038,040	34.2	28,803	1,163,059	47.8	97,704	878	142,589

[1] Based on total exports of United States merchandise.

Source: Bureau of Agricultural Economics, Department of Agriculture, and Bureau of Foreign and Domestic Commerce and predecessor organizations.

No. 567.—VALUE OF AGRICULTURAL EXPORTS: BY MAJOR GROUPS

NOTE.—**In millions and tenths of millions of dollars.** Excludes reexports of foreign products

Yearly average or year (calendar)	Total agricultural exports	Animals and products, edible	Dairy products and eggs	Grains and preparations	Vegetables, fruits, and nuts	Miscellaneous animal and vegetable products	Cotton	Tobacco
1910–1914 (fiscal)	1,035.7	151.8	6.3	147.3	35.0	98.7	551.9	44.8
1921–1925	2,013.2	285.5	38.9	474.3	102.0	143.0	805.0	164.6
1926–1930	1,691.6	190.5	23.7	318.6	144.3	104.4	765.7	144.5
1921	2,114.9	309.1	56.3	758.4	90.4	161.4	534.2	205.1
1922	1,884.4	262.2	34.9	516.0	93.6	158.1	673.3	146.5
1923	1,820.5	309.6	36.4	311.4	87.7	115.0	807.1	153.4
1924	2,110.1	275.5	35.7	433.8	117.1	133.3	950.6	164.1
1925	2,136.2	271.3	31.1	351.8	121.1	147.3	1,059.8	153.8
1926	1,816.7	238.2	26.8	355.7	132.6	112.1	814.4	136.9
1927	1,884.6	182.6	25.3	443.8	143.6	123.4	826.3	139.7
1928	1,863.1	182.9	24.7	315.7	152.0	113.3	920.0	154.5
1929	1,692.9	198.7	22.1	286.4	162.8	106.1	770.8	146.1
1930	1,200.7	150.2	19.5	191.3	130.4	66.9	496.8	145.6
1931	821.2	93.4	12.8	106.0	122.0	50.5	325.6	110.8

Source: Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 568.—VALUE OF EXPORTS OF PRINCIPAL AGRICULTURAL PRODUCTS OR GROUPS OF PRODUCTS

NOTE.—In millions and tenths of millions of dollars. Data except as stated are for calendar years and exclude reexports of foreign products

Products	1910–1914 (fiscal)	1921–1925	1926–1930	1926	1927	1928	1929	1930	1931
Grand total	1,035.7	2,013.2	1,691.6	1,816.7	1,884.6	1,863.1	1,692.9	1,200.7	821.2
Live animals	13.0	10.0	5.8	5.5	6.7	6.5	5.8	4.2	1.6
Meats	62.7	133.2	71.4	98.7	64.2	60.9	72.5	60.7	32.2
Eggs and dairy products	6.3	38.9	23.7	26.8	25.3	24.7	22.1	19.5	12.8
Animal fats and oils	83.8	146.4	116.9	136.2	116.8	119.4	124.1	87.9	60.6
Hides and skins	3.2	7.6	9.0	10.8	11.5	11.1	6.8	4.9	3.1
Bread grains [1]	107.6	363.9	248.5	300.5	367.9	214.5	199.3	160.4	85.8
Coarse grains	36.8	97.0	59.0	50.0	63.8	87.6	72.5	21.0	12.6
Rice	.6	11.9	10.8	4.9	11.8	13.2	14.1	9.7	7.3
Fodders and feeds	28.1	26.7	27.2	28.2	32.9	30.9	32.7	11.1	13.9
Vegetables	5.8	16.4	18.7	17.8	18.7	18.9	21.4	16.6	10.6
Fruits	29.4	81.5	120.8	110.3	120.1	127.8	136.0	109.7	108.2
Vegetable oils, expressed, oil-seeds, and nuts	21.2	16.5	11.3	11.0	13.4	12.7	10.3	9.0	6.7
Coffee and substitutes	7.3	6.5	4.9	9.2	6.3	3.5	2.9	2.8	2.3
Sugar and related products	9.5	48.1	13.9	14.6	17.3	16.0	13.3	8.4	5.1
Seeds, except oilseeds	2.6	3.8	3.5	4.0	3.6	2.7	3.3	3.8	2.3
Tobacco	44.8	164.6	144.5	136.9	139.7	154.5	146.1	145.6	110.8
Cotton	551.9	805.0	765.7	814.4	826.3	920.0	770.8	496.8	325.6
Wool and hair	1.3	1.6	2.3	2.0	2.7	2.5	2.4	1.8	1.2
All other	19.9	33.6	33.9	34.9	35.9	35.5	36.6	26.7	18.5

[1] Includes wheat and rye; also flour and flour products.

No. 569.—AGRICULTURAL EXPORT INDEXES: QUANTITY AND VALUE

Yearly average or year	Agricultural exports, other than cotton and tobacco			Cotton			Tobacco		
	Quantity	Unit Value	Value	Quantity	Unit Value	Value	Quantity	Unit Value	Value
1910–1914	100	100	100	100	100	100	100	100	100
1921	218	144	313	75	129	97	133	345	458
1922	195	125	242	71	173	122	111	295	327
1923	155	127	196	62	237	146	123	279	343
1924	169	134	227	78	222	172	147	249	366
1925	134	157	210	98	196	192	135	255	343
1926	137	144	197	105	141	148	136	226	306
1927	151	138	209	108	139	150	143	219	312
1928	136	132	180	102	164	167	184	188	345
1929	136	130	177	88	159	140	177	185	326
1930	108	118	127	77	117	90	177	184	325
1931	99	88	88	81	73	59	166	149	247

No. 570.—AGRICULTURAL EXPORT INDEXES: BY GROUPS OF PRODUCTS

Group	Relative numbers, 1931, as compared with 1930 as 100			Relative numbers, 1931, as compared with 1910–1914 as 100 (direct comparison)		
	Quantity	Unit Value	Value	Quantity	Unit Value	Value
Total agricultural exports other than cotton and tobacco	92	75	69	99	88	88
Animal products, edible	79	79	62	65	94	62
Dairy products and eggs	72	92	66	163	125	204
Grains and preparations	84	66	55	96	75	72
Vegetables, fruits, and nuts	115	82	94	328	106	349
Cotton	105	62	66	83	71	59
Tobacco	94	81	76	(1)	(1)	(1)

[1] Not computed.

Source of Tables 568, 569, and 570: Bureau of Foreign and Domestic Commerce, Department of Commerce.

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27.—FARM ANIMALS AND ANIMAL PRODUCTS

[Data in this section relate to continental United States]

No. 571.—DOMESTIC ANIMALS: NUMBER AND VALUE OF ANIMALS ON FARMS

NOTE.—Animals of all ages are included except in figures for cattle and sheep, 1880 and 1890, which are nominally exclusive of calves and lambs, respectively. Value includes only animals specified. The difference in date of enumeration affects the comparability of the census figures for all classes and especially for swine

Year and date	Number (thousands)							Value of all animals (thousands of dollars)
	Horses	Mules	All cattle	Dairy cows [1]	Other cattle	Sheep	Swine	
Census returns—								
1880 (June 1)	10,357	1,813	39,676	12,443	27,232	42,192	49,773	----------
1890 (June 1)	15,266	2,252	57,649	16,512	41,137	40,876	57,427	----------
1900 (June 1)	18,267	3,265	67,719	17,136	50,584	61,504	62,868	2,970,121
1910 (Apr. 15)	19,833	4,210	61,804	20,625	41,178	52,448	58,186	4,740,684
1920 (Jan. 1)	19,767	5,432	66,640	19,675	46,964	35,034	59,346	7,596,877
1925 (Jan. 1)	16,401	5,681	60,760	17,645	43,115	35,590	50,854	4,439,966
1930 (Apr. 1)	13,511	5,375	63,896	20,499	43,397	56,975	56,288	5,707,594
Estimates Jan. 1 [2]								
1911	20,277	4,323	56,219	18,244	37,975	47,349	55,700	5,022,755
1912	20,509	4,362	55,022	18,312	36,710	43,279	55,700	4,785,594
1913	20,567	4,386	55,833	18,526	37,307	40,700	54,000	5,307,891
1914	20,962	4,449	58,737	18,930	39,807	37,773	51,800	5,749,907
1915	21,195	4,479	62,532	19,526	43,006	36,287	57,000	5,876,315
1916	21,159	4,593	66,394	20,064	46,330	36,543	59,700	5,933,447
1917	21,210	4,723	69,533	20,541	48,992	36,700	56,700	6,591,539
1918	21,555	4,873	71,229	21,021	50,208	39,000	61,200	8,020,915
1919	21,482	4,954	70,261	21,219	49,042	41,000	63,800	8,458,213
1920	20,092	5,656	70,325	21,455	48,870	40,643	60,159	8,108,569
1921	19,366	5,772	68,633	21,440	47,193	39,378	58,942	6,048,190
1922	18,760	5,827	68,663	21,822	46,841	36,821	59,849	4,748,947
1923	18,123	5,895	67,384	22,099	45,285	36,695	69,304	5,052,481
1924	17,365	5,908	65,832	22,288	43,544	37,020	66,576	4,736,825
1925	16,640	5,918	63,115	22,505	40,610	38,392	55,770	4,670,532
1926	16,067	5,903	59,977	22,311	37,666	40,183	52,085	4,982,493
1927	15,368	5,801	57,528	22,159	35,369	42,302	55,468	5,081,770
1928	14,768	5,647	56,701	22,129	34,572	45,121	61,772	5,590,982
1929	14,203	5,496	57,878	22,330	35,548	48,249	58,789	6,114,876
1930	13,684	5,366	59,730	22,910	36,820	51,383	55,301	5,994,970
1931	13,165	5,215	60,915	23,558	37,357	52,745	54,374	4,450,708
1932	12,679	5,082	62,407	24,379	38,028	53,912	59,511	3,195,748

[1] Census returns prior to 1900 represented "milch" cows; in 1900, cows kept for milk 2 years old and over; in 1910, cows and heifers kept for milk born before Jan. 1, 1909 (estimated number 2 years old and over Jan. 1, 17,125,000); in 1920 and 1925, dairy cows and heifers 2 years old and over; in 1930, cows and heifers, born before 1928, kept mainly for milk production. Estimates as of Jan. 1 represent cows and heifers 2 years old and over kept for milk.

[2] Estimates by Bureau of Agricultural Economics, Department of Agriculture.

No. 572.—DOMESTIC ANIMALS, CHICKENS, AND BEES IN THE UNITED STATES: NUMBER AND VALUE

NOTE.—**Number in thousands, value in thousands of dollars.** Data are as of Jan. 1, 1920 and 1925, and Apr. 1, 1930. Owing to the change in date of enumeration figures for 1930 are not closely comparable with those for earlier years. The 1930 data for animals not on farms are not yet available

Kind	Total number, 1920	On farms						Not on farms, number, 1920
		Number			Value			
		1920	1925	1930	1920	1925	1930	
Total					7,988,989	[4] 8,858,389	6,084,052	
All cattle	68,751	66,640	60,760	63,896	3,651,521	2,019,489	3,303,988	2,112
Cows and heifers kept mainly for milk production	20,896	[2] 19,675	[2] 17,645	[3] 20,499	1,507,513	912,532	1,572,720	1,221
Horses	21,473	19,767	16,401	13,511	1,782,078	1,001,521	905,881	1,706
Mules	5,811	5,432	5,681	5,375	779,294	449,520	442,766	378
Asses and burros	87	73	(4)	48	8,198	(4)	1,881	15
Sheep	935,484	35,034	35,590	56,975	395,401	354,485	413,860	450
Goats	3,564	3,459	3,370	4,821	17,565	10,250	19,320	105
Swine	61,985	59,346	50,854	56,288	988,582	614,951	641,099	2,638
Chickens	(4)	359,537	409,291	[5] 378,878	349,509	379,011	[5] 321,625	(4)
Bees, hives	(4)	3,467	(4)	[6] 3,108	16,841	(4)	[6] 13,632	(4)

[1] Value of all livestock including value of livestock not reported, estimated at $29,162,000.

[2] Dairy cows and heifers, 2 years old and over. [3] Born before 1928.

[4] Not reported. [5] Over 3 months old Apr. 1, 1930. [6] On farms and elsewhere.

Source: Bureau of the Census, Department of Commerce.

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No. 573—DOMESTIC ANIMALS: NUMBER ON

NOTE.—By reason of the change in date of census enumeration from Jan. 1, in 1920 and 1925

[All figures

Division and State	Horses				Mules				All cattle			
	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]
United States	**19,767**	**16,401**	**13,511**	**12,679**	**5,432**	**5,681**	**5,875**	**5,082**	**66,640**	**60,760**	**63,896**	**62,407**
New England	305	259	182	174	3	3	2	(3)	1,320	1,119	1,271	1,173
Maine	94	82	61	57	(3)	1	1	(3)	301	236	257	243
New Hampshire	38	31	20	18	(3)	(3)	(3)	(3)	164	121	136	131
Vermont	77	63	52	50	1	1	1	(3)	435	393	472	436
Massachusetts	51	44	25	24	(3)	1	(3)	(3)	216	188	207	179
Rhode Island	7	5	3	4	(3)	(3)	(3)	(3)	31	27	32	29
Connecticut	38	34	21	21	1	1	1	(3)	174	153	167	155
Middle Atlantic	1,115	907	672	635	68	65	60	59	3,869	3,309	3,906	3,537
New York	536	440	321	303	7	7	6	6	2,144	1,837	2,220	1,976
New Jersey	73	57	39	35	6	5	3	3	179	153	175	163
Pennsylvania	506	410	312	297	55	53	51	50	1,546	1,319	1,511	1,398
East North Central	4,114	3,303	2,688	2,574	310	315	261	257	10,898	9,656	10,627	10,013
Ohio	811	630	495	469	32	33	31	32	1,927	1,653	1,773	1,610
Indiana	717	556	443	425	100	101	82	83	1,546	1,282	1,447	1,428
Illinois	1,297	1,030	821	773	168	168	134	129	2,788	2,305	2,342	2,401
Michigan	606	482	383	373	6	7	7	6	1,586	1,406	1,528	1,390
Wisconsin	683	604	546	534	4	6	7	7	3,051	3,010	3,537	3,184
West North Central	6,942	5,968	5,152	4,894	847	892	673	647	20,163	19,204	19,877	19,948
Minnesota	933	835	805	775	10	13	15	15	3,021	2,853	3,156	3,246
Iowa	1,387	1,180	1,048	996	82	97	85	81	4,548	4,264	4,136	4,185
Missouri	906	708	597	574	389	372	296	291	2,782	2,372	2,783	2,660
North Dakota	856	731	612	586	8	9	8	8	1,335	1,341	1,454	1,454
South Dakota	817	720	621	581	15	21	19	18	2,348	2,022	1,974	1,907
Nebraska	961	862	754	697	100	120	99	91	3,154	3,283	3,150	3,104
Kansas	1,083	931	715	685	243	260	151	143	2,975	3,068	3,224	3,392
South Atlantic	1,039	806	604	558	1,079	1,023	1,023	968	4,703	4,135	3,780	3,677
Delaware	28	22	18	17	9	9	10	10	47	46	54	49
Maryland	141	117	94	91	33	31	29	29	283	273	319	277
Dist. of Col	(3)	(3)	(4)	(4)	(3)	(3)	(4)	(4)	1	1	1	(4)
Virginia	312	260	203	187	97	102	94	93	910	807	833	782
West Virginia	169	143	113	106	15	15	12	12	587	568	556	525
North Carolina	171	131	87	77	257	280	294	273	645	539	533	548
South Carolina	78	49	31	26	220	199	189	176	434	341	270	266
Georgia	101	54	37	35	406	344	354	333	1,157	906	783	789
Florida	39	29	21	19	42	43	41	42	639	656	431	441
East South Central	1,046	768	591	529	1,250	1,277	1,272	1,225	4,547	3,636	3,968	3,786
Kentucky	382	307	248	222	293	294	252	241	1,093	905	1,086	978
Tennessee	318	242	175	157	353	352	319	318	1,159	986	1,074	1,032
Alabama	130	87	65	58	296	303	332	319	1,044	822	799	810
Mississippi	215	131	103	92	308	328	369	347	1,250	923	1,009	966
West South Central	2,160	1,760	1,524	1,395	1,685	1,893	1,918	1,768	10,108	9,009	10,243	9,866
Arkansas	252	182	138	132	323	341	362	332	1,073	810	813	848
Louisiana	179	131	118	106	180	173	201	189	804	697	730	740
Oklahoma	738	608	506	453	337	368	315	287	2,074	1,657	2,097	2,151
Texas	991	838	762	704	846	1,010	1,040	960	6,157	5,846	6,603	6,127
Mountain	2,076	1,850	1,511	1,407	89	112	89	86	7,600	7,408	6,691	7,111
Montana	669	594	450	400	9	10	8	8	1,269	1,322	1,290	1,250
Idaho	293	233	206	190	8	8	7	7	715	606	622	668
Wyoming	198	200	173	166	3	5	4	4	875	783	824	863
Colorado	421	365	329	324	31	38	29	27	1,757	1,436	1,454	1,541
New Mexico	183	187	141	128	20	31	23	22	1,300	1,267	1,055	1,144
Arizona	136	112	80	74	12	12	12	12	822	1,069	695	851
Utah	125	110	91	87	3	4	3	3	506	504	442	484
Nevada	50	50	41	38	2	4	3	3	356	419	309	310
Pacific	970	780	587	513	101	101	77	72	3,432	3,285	3,533	3,296
Washington	296	242	182	161	23	26	22	20	573	582	625	615
Oregon	272	224	179	162	14	19	14	14	851	784	805	795
California	402	314	226	190	63	56	41	38	2,008	1,918	2,103	1,886

[1] Census returns for 1920 and 1925 represent dairy cows and heifers 1 year old and over, for 1930, cows and heifers born before 1929 kept mainly for milk production. Estimates for Jan. 1, 1932, represent cows and heifers 1 year old and over kept for milk cows.

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FARMS, BY DIVISIONS AND STATES, 1920 TO 1932

to Apr. 1 in 1930, figures for 1930 are not very closely comparable with data for other years

in thousands]

Dairy cows and heifers [1]				Sheep				Swine				Division and State
1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1)	1932 (Jan. 1) [2]	
23,724	**20,714**	**24,258**	**22,044**	**35,034**	**35,590**	**56,975**	**53,912**	**59,346**	**50,854**	**56,288**	**59,511**	**U. S.**
1,016	**920**	**818**	**940**	**243**	**154**	**201**	**160**	**384**	**193**	**228**	**233**	**N. Eng.**
217	181	153	181	119	85	100	81	91	54	46	55	Me.
119	97	85	99	28	16	21	18	42	16	16	15	N. H.
346	325	310	357	63	35	51	39	73	44	29	32	Vt.
174	164	137	149	19	10	13	10	104	58	105	101	Mass.
25	24	22	24	3	2	3	2	13	4	5	5	R. I.
135	129	111	130	11	7	13	10	61	17	27	25	Conn.
2,928	**2,670**	**2,426**	**2,801**	**1,098**	**893**	**1,220**	**971**	**1,931**	**1,050**	**1,007**	**938**	**Mid. Atl.**
1,730	1,552	1,405	1,624	579	473	618	473	601	259	221	205	N. Y.
148	135	121	136	10	6	12	7	139	56	129	78	N. J.
1,050	983	900	1,041	509	415	590	491	1,191	734	657	655	Pa.
6,082	**5,877**	**5,800**	**6,884**	**5,078**	**4,479**	**6,599**	**5,620**	**14,183**	**11,774**	**12,985**	**12,231**	**E. N. C.**
1,059	968	961	1,120	2,103	1,941	2,536	2,164	3,084	2,368	2,778	2,072	Ohio.
727	691	738	891	644	595	1,118	826	3,757	2,939	3,347	2,900	Ind.
1,148	969	1,088	1,314	638	566	944	799	4,639	4,249	4,652	4,940	Ill.
967	944	843	1,010	1,209	1,066	1,416	1,285	1,106	855	596	661	Mich.
2,180	2,304	2,170	2,549	480	310	585	546	1,596	1,363	1,612	1,658	Wis.
5,485	**4,403**	**6,845**	**8,297**	**4,950**	**4,007**	**7,312**	**8,018**	**21,715**	**24,600**	**27,650**	**30,458**	**W. N. C.**
1,532	1,565	1,712	2,043	509	379	927	1,084	2,381	2,715	3,316	3,738	Minn.
1,094	822	1,486	1,741	1,092	818	1,558	1,398	7,864	8,567	10,056	11,350	Iowa.
793	617	970	1,228	1,272	894	1,750	1,205	3,889	3,502	3,861	4,011	Mo.
461	385	583	704	299	311	857	1,040	458	784	628	650	N. Dak.
406	292	587	745	844	644	1,150	1,465	1,954	2,600	2,637	2,490	S. Dak.
517	268	691	826	573	647	496	1,047	3,436	4,236	4,679	5,110	Nebr.
681	454	816	1,010	361	315	574	779	1,733	2,197	2,473	3,109	Kans.
2,012	**1,549**	**1,704**	**2,016**	**1,209**	**1,077**	**2,187**	**1,439**	**6,536**	**4,178**	**4,393**	**4,267**	**S. Atl.**
38	39	34	40	3	2	5	4	39	24	30	22	Del.
189	196	190	214	103	92	194	108	306	188	205	160	Md.
1	1	1	[4]	[3]	-------	[3]	[4]	1	1	1	[4]	D. C.
418	329	384	444	342	351	829	485	941	582	700	551	Va.
210	154	216	254	510	441	897	657	305	177	222	176	W. Va.
355	292	298	372	91	67	146	91	1,271	872	839	880	N. C.
229	178	151	170	24	14	19	14	845	535	471	580	S. C.
484	308	342	419	72	51	50	37	2,071	1,300	1,358	1,390	Ga.
90	52	88	103	65	60	47	43	755	498	567	508	Fla.
2,031	**1,593**	**1,868**	**2,236**	**1,318**	**1,155**	**2,402**	**1,418**	**6,207**	**3,453**	**3,601**	**3,809**	**E. S. C.**
515	433	532	589	708	696	1,597	875	1,504	919	1,035	899	Ky.
495	416	493	600	364	290	626	393	1,832	1,009	1,002	1,075	Tenn.
491	363	371	494	82	56	69	50	1,497	827	831	957	Ala.
530	381	472	553	164	114	110	100	1,373	698	733	878	Miss.
2,296	**1,730**	**2,590**	**3,216**	**2,909**	**3,359**	**7,500**	**7,675**	**5,758**	**3,451**	**4,148**	**4,804**	**W. S. C.**
517	325	390	518	100	51	86	59	1,378	847	776	832	Ark.
218	116	256	314	130	109	171	140	851	518	759	679	La.
560	429	703	861	105	62	222	164	1,304	920	1,051	1,205	Okla.
1,002	860	1,241	1,523	2,573	3,137	7,021	7,312	2,226	1,166	1,562	2,088	Tex.
754	**723**	**973**	**1,200**	**13,207**	**15,130**	**21,008**	**21,738**	**1,193**	**1,311**	**1,217**	**1,595**	**Mountain.**
153	122	186	234	2,083	2,188	4,028	3,820	167	278	210	283	Mont.
143	171	194	247	2,356	1,746	3,302	2,274	240	276	268	351	Idaho.
42	39	72	87	1,860	2,507	3,418	4,128	72	100	98	123	Wyo.
234	192	266	325	1,813	2,244	2,505	3,361	450	493	462	624	Colo.
46	47	70	85	1,640	1,743	2,291	3,058	88	55	65	74	N. Mex.
39	41	41	53	882	1,164	1,340	1,190	50	19	24	23	Ariz.
81	88	120	142	1,692	2,355	2,922	2,755	99	64	67	96	Utah.
16	23	24	27	881	1,184	1,202	1,152	27	25	23	21	Nev.
1,120	**1,249**	**1,234**	**1,454**	**5,086**	**5,336**	**8,546**	**6,873**	**1,441**	**845**	**1,059**	**1,176**	**Pacific.**
290	319	298	365	624	516	1,143	750	265	198	186	238	Wash.
216	245	253	307	2,002	1,775	3,319	2,679	267	216	225	266	Oreg.
614	685	683	782	2,400	3,045	4,084	3,444	909	431	648	672	Calif.

[2] Estimates by Department of Agriculture. [3] Less than 500. [4] No estimate.

Source: Bureau of the Census, Department of Commerce, except as noted.

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No. 574.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: BY AGE AND SEX, APRIL 1, 1930

Class	Number (thousands)	Class	Number (thousands)
Horses, total	13,511	**Cattle**—Continued.	
Colts born between Jan. 1 and Apr. 1, 1930	127	Cows and heifers born before 1928	28,336
Colts born in 1929 (yearlings)	495	Kept mainly for milk production	20,499
Colts born in 1928 (2-year-olds)	463	Kept mainly for beef production	7,837
Horses born before 1928	12,426		
Mules, total	5,375	**Swine, total**	56,283
Mule colts born between Jan. 1 and Apr. 1, 1930	21	Pigs born between Jan. 1 and Apr. 1, 1930	23,494
Mule colts born in 1929 (yearlings)	81	Sows and gilts farrowing between Jan. 1 and June 1, 1930	7,674
Mule colts born in 1928 (2-year-olds)	87	Other swine born before Jan. 1, 1930	25,120
Mules born before 1928	5,186		
Cattle, total	63,896	**Sheep and lambs, total**	56,975
Calves born between Jan. 1 and Apr. 1, 1930	9,646	Lambs born since Oct. 1, 1929	15,195
Steers and bulls born in 1929 (yearlings)	6,313	Rams and wethers born before Oct. 1, 1929	3,683
Heifers born in 1929 (yearlings)	8,744	Yearling ewes born between Oct. 1, 1928, and Oct. 1, 1929	7,302
Bulls born before 1929	1,262	Ewes born before Oct. 1, 1928	30,795
Steers born in 1928 (2-year-olds)	2,616		
Steers born before 1928	1,136	**Goats and kids, total**	4,821
Heifers born in 1928 (2-year-olds)	5,843	Angora goats and kids (all ages)	3,785
Kept mainly for milk production	3,759	Other goats and kids (all ages)	1,036
Kept mainly for beef production	2,084		

No. 575.—DOMESTIC ANIMALS ON FARMS IN THE UNITED STATES: NUMBER, AVERAGES, AND RATIOS, AT EACH CENSUS, 1920 TO 1930

NOTE.—By reason of the change in date of enumeration from Jan. 1 in 1920 and 1925 to Apr. 1 in 1930, figures for 1930 are not very closely comparable with those for earlier years

Item	Horses	Mules	All cattle	Dairy cows [1]	Sheep	Goats	Swine
Number:							
1920	19,767,161	5,432,391	66,639,556	19,675,297	35,033,516	3,458,925	59,346,409
1925	16,400,623	5,680,897	60,760,366	17,644,867	35,590,159	3,370,218	50,853,526
1930	13,510,839	5,375,017	63,895,826	20,498,955	56,975,084	4,821,294	56,287,920
Increase, 1925-1930: [2]							
Number	−2,889,784	−305,880	3,135,460	2,854,088	21,384,925	1,451,076	5,434,394
Per cent	−17.6	−5.4	5.2	16.2	60.1	43.1	10.7
Number of farms reporting:							
1920	4,704,235	2,259,746	5,358,243	4,461,296	538,593	107,267	4,850,807
1925	[3] 5,365,513	(4)	(4)	3,728,587	430,738	91,402	3,618,624
1930	[3] 5,024,713	(4)	4,803,174	4,452,936	583,578	(4)	(4)
Per cent of all farms:							
1920	73.0	35.0	83.1	69.2	8.4	1.7	75.2
1925	[3] 84.2	(4)	(4)	58.5	6.8	1.4	56.8
1930	[3] 79.9	(4)	76.4	70.8	9.3	(4)	(4)
Average number per farm reporting:							
1920	4.2	2.4	12.4	4.4	65.0	32.2	2.2
1925	[3] 4.1	(4)	(4)	4.7	82.6	36.9	14.1
1930	[3] 3.8	(4)	13.3	4.6	97.6	(4)	(4)
Average number per 1,000 acres of all land in farms:							
1920	21	6	70	21	37	4	62
1925	18	6	66	19	39	4	55
1930	14	5	65	21	58	5	57
Average value per head (dollars): [5]							
1920	90.15	143.45	54.80	76.62	11.29	5.08	16.66
1925	61.07	79.13	33.24	51.72	9.96	3.04	12.09
1930	67.05	82.37	51.71	76.72	7.25	4.01	11.39

[1] For 1920 and 1925, dairy cows 2 years old and over Jan. 1; for 1930, cows and heifers born before 1928 kept mainly for milk production.
[2] A minus sign (−) denotes decrease. [3] Includes mules. [4] Not available.
Source of Tables 574 and 575: Bureau of the Census, Department of Commerce.

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No. 576.—DOMESTIC ANIMALS: Receipts and Shipments at all Reporting Public Stockyards and Principal Public Stockyards

[All figures in thousands]

Item and yearly average or year	Chicago	Denver	East St. Louis	Fort Worth	Kansas City	Omaha	St. Joseph	South St. Paul	Sioux City	Total, 9 stockyards	All other stockyards reporting [1]	Total, all stockyards reporting [1, 2]
CATTLE AND CALVES												
Receipts:												
1911-1915	2,957	416	1,081	1,046	2,151	1,062	451	607	443	10,214		
1916-1920	3,924	685	1,368	1,421	2,828	1,745	683	1,286	739	14,678	7,893	22,573
1921-1925	3,852	595	1,341	1,218	2,932	1,709	675	1,336	772	14,430	8,366	22,796
1926-1930	3,344	611	1,343	1,148	2,328	1,609	614	1,549	857	13,403	8,341	21,744
1928	3,267	667	1,315	1,211	2,210	1,518	598	1,490	813	13,089	8,389	21,478
1929	3,060	624	1,223	1,089	2,178	1,546	590	1,425	839	12,574	7,866	20,440
1930	2,796	593	1,203	969	2,167	1,605	560	1,339	857	12,089	8,077	20,166
1931	2,833	504	1,171	841	1,958	1,690	508	1,415	851	11,771	7,845	19,616
Shipments:												
1911-1915	891	(1)	309	(1)	(1)	445	154	357	241	[3] 2,397		
1916-1920	1,017	538	393	586	1,266	740	223	749	416	5,927	3,538	9,465
1921-1925	1,103	453	814	429	1,421	729	232	475	411	6,067	3,623	9,690
1926-1930	846	454	887	463	1,130	626	187	447	415	5,454	3,407	8,861
1928	763	505	920	470	1,155	614	189	423	409	5,448	3,563	9,011
1929	758	466	785	500	1,108	632	199	429	419	5,294	3,106	8,400
1930	710	449	769	476	1,138	684	195	331	437	5,189	3,129	8,318
1931	811	352	755	405	1,094	759	155	349	432	5,111	3,015	8,126
SHEEP AND LAMBS												
Receipts:												
1911-1915	5,317	694	874	314	2,044	3,107	793	725	286	14,154		
1916-1920	4,353	1,857	613	404	1,711	3,251	832	665	404	14,090	8,747	22,837
1921-1925	4,173	1,918	575	351	1,619	2,704	974	521	279	13,114	9,457	22,571
1926-1930	4,044	2,076	568	464	1,783	2,972	1,500	972	714	15,094	10,922	26,016
1928	3,868	2,295	510	458	1,767	3,037	1,580	891	568	14,974	10,623	25,597
1929	3,785	2,290	534	540	1,753	3,031	1,636	1,139	840	15,548	11,320	26,868
1930	4,335	2,062	584	432	2,016	3,410	1,634	1,354	1,188	17,015	12,793	29,808
1931	4,489	2,499	661	1,173	2,244	3,510	1,572	1,690	1,279	19,118	13,905	33,023
Shipments:												
1911-1915	1,088	(1)	78	(1)	(1)	1,412	183	534	76	[3] 3,371		
1916-1920	1,076	1,684	98	232	658	1,703	233	472	191	6,347	5,564	11,911
1921-1925	1,306	1,746	215	215	516	1,129	228	205	90	5,650	5,999	11,649
1926-1930	1,208	1,859	215	232	504	1,252	374	457	216	6,316	7,055	13,371
1928	1,128	2,074	191	237	507	1,295	429	415	158	6,434	6,890	13,324
1929	1,118	2,057	201	258	458	1,334	467	582	255	6,730	7,265	13,995
1930	1,311	1,808	213	204	501	1,378	377	691	402	6,885	7,721	14,606
1931	1,426	2,191	220	472	821	1,549	393	926	509	8,506	8,490	16,996
SWINE												
Receipts:												
1911-1915	7,225	258	2,678	465	2,611	2,540	1,837	1,379	1,520	20,513		
1916-1920	8,234	382	3,214	759	2,838	3,046	2,102	2,220	2,239	25,034	17,518	42,552
1921-1925	9,041	452	3,972	416	2,695	3,297	2,042	3,092	2,742	27,749	20,219	47,968
1926-1930	7,884	514	3,721	334	2,164	2,997	1,537	3,017	2,436	24,605	17,911	42,516
1928	8,539	567	4,036	432	2,391	3,179	1,724	2,902	2,754	26,525	20,002	46,527
1929	8,193	539	3,865	402	2,476	3,166	1,627	2,869	2,313	25,450	18,647	44,097
1930	7,870	512	3,459	279	2,015	3,363	1,446	2,759	2,317	24,021	16,753	40,774
1931	7,942	597	2,970	216	1,337	3,525	1,322	3,251	2,646	23,805	15,733	39,538
Shipments:												
1911-1915	1,439	(1)	891	(1)	(1)	393	121	424	419	[3] 3,687		
1916-1920	1,271	26	1,244	139	478	754	201	827	884	5,824	7,894	13,718
1921-1925	2,355	77	2,559	72	772	797	437	650	1,076	8,795	8,335	17,130
1926-1930	1,997	121	2,733	30	741	925	384	869	885	8,684	7,204	15,889
1928	2,145	101	2,986	27	675	1,011	443	860	1,121	9,369	7,822	17,191
1929	1,831	121	2,767	53	1,011	888	427	812	789	8,699	7,455	16,154
1930	1,786	128	2,805	35	916	1,066	442	865	891	8,934	6,948	15,882
1931	1,700	167	2,322	22	499	1,100	357	1,374	985	8,527	6,446	14,973
HORSES AND MULES												
Receipts:												
1911-1915	112	28	182	49	86	34	36	7	14	548		
1916-1920	98	26	236	76	98	25	35	10	22	626	568	1,194
1921-1925	26	25	79	36	36	12	13	4	12	243	206	449
1926-1930	18	22	63	36	44	17	8	13	15	236	182	419
1928	19	24	70	43	43	18	9	11	13	250	200	450
1929	19	22	71	42	52	21	7	18	17	269	188	457
1930	18	9	51	27	54	15	5	13	12	204	142	346
1931	17	6	40	13	33	15	4	15	14	158	96	254

[1] Figures not available prior to 1915. [2] Total for about 70 stockyards. [3] Total of six stockyards.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 577.—DOMESTIC ANIMALS: Receipts and Shipments at Nine Stockyards

[All figures in thousands. Stockyards covered are those named in Table 576]

Year	Cattle and calves		Sheep and lambs		Swine		Horses and mules, receipts
	Receipts	Shipments[1]	Receipts	Shipments[1]	Receipts	Shipments[1]	
1912	10,426	2,418	14,797	3,235	20,382	3,576	481
1913	10,329	2,484	14,986	3,947	20,576	3,815	482
1914	9,466	2,173	14,372	3,337	19,044	3,525	478
1915	10,057	4,081	12,288	4,050	21,840	4,784	780
1916	11,920	4,755	13,479	5,102	26,781	5,864	810
1917	15,034	5,812	12,484	5,955	22,360	5,473	756
1918	16,781	6,405	14,050	6,518	26,607	5,624	600
1919	15,932	6,713	16,847	7,850	26,237	5,817	557
1920	13,725	5,948	13,591	6,311	23,187	6,338	401
1921	12,150	5,350	13,580	5,297	22,798	6,983	186
1922	14,590	6,677	12,253	5,484	24,601	7,056	242
1923	15,013	6,484	13,192	5,879	32,320	9,597	302
1924	15,189	6,119	13,382	5,972	32,612	11,040	245
1925	15,206	5,709	13,167	5,615	26,415	9,300	242
1926	15,242	5,883	14,379	6,025	23,414	8,413	211
1927	14,020	5,454	13,555	5,507	23,616	8,007	247
1928	13,089	5,448	14,974	6,434	26,525	9,369	250
1929	12,574	5,294	15,548	6,730	25,450	8,699	269
1930	12,089	5,189	17,015	6,885	24,021	8,934	204
1931	11,771	5,111	19,118	8,506	23,805	8,527	158

[1] Denver, Fort Worth, and Kansas City are not included prior to 1915.

No. 578.—DOMESTIC ANIMALS: Receipts and Stocker and Feeder Shipments at all Public Stockyards

[All figures in thousands]

Item	1916–1920, average	1921–1925, average	1926	1927	1928	1929	1930	1931
Cattle and calves:								
Receipts	22,573	22,796	23,872	22,763	21,478	20,440	20,166	19,616
Stocker and feeder shipments	4,610	4,144	3,712	3,615	3,966	3,651	3,426	3,035
Sheep and lambs:								
Receipts	22,838	22,572	23,868	23,939	25,597	26,868	29,808	33,023
Stocker and feeder shipments	5,014	4,150	4,623	4,895	5,011	5,565	4,463	5,129
Swine:								
Receipts	42,552	47,968	39,772	41,411	46,527	44,097	40,774	39,538
Stocker and feeder shipments	720	588	917	888	735	623	517	533

No. 579.—DOMESTIC ANIMALS: Receipts at all Public Stockyards, by Months

[All figures in thousands]

Class and yearly average or year	Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Cattle and calves:													
1916–1920	22,573	1,725	1,358	1,485	1,613	1,765	1,672	1,740	1,885	2,330	2,709	2,476	1,816
1921–1925	22,796	1,781	1,404	1,621	1,642	1,789	1,677	1,745	2,082	2,264	2,715	2,236	1,838
1926–1930	21,744	1,744	1,429	1,603	1,693	1,765	1,614	1,639	1,823	2,157	2,527	2,082	1,667
1928	21,478	1,771	1,516	1,465	1,684	1,799	1,558	1,650	1,829	2,190	2,542	1,963	1,510
1929	20,440	1,639	1,195	1,450	1,752	1,660	1,451	1,665	1,619	2,104	2,407	1,943	1,555
1930	20,166	1,639	1,326	1,547	1,644	1,517	1,459	1,512	1,605	2,107	2,377	1,696	1,736
1931	19,616	1,508	1,303	1,535	1,616	1,551	1,540	1,488	1,822	1,798	2,137	1,865	1,453
Sheep and lambs:													
1916–1920	22,838	1,518	1,267	1,253	1,272	1,315	1,496	1,753	2,397	3,090	3,307	2,430	1,742
1921–1925	22,572	1,685	1,416	1,503	1,448	1,687	1,626	1,697	2,064	2,647	3,262	1,952	1,584
1926–1930	26,016	1,755	1,601	1,690	1,764	2,038	1,925	1,945	2,395	3,290	3,698	2,128	1,787
1928	25,597	1,705	1,669	1,520	1,591	1,952	1,913	1,898	2,362	3,386	3,938	2,053	1,610
1929	26,868	1,877	1,544	1,527	2,012	2,173	1,752	2,119	2,544	3,355	4,093	2,168	1,703
1930	29,808	1,903	1,803	2,151	2,230	2,334	2,230	2,296	2,583	3,580	3,784	2,607	2,307
1931	33,023	2,175	1,964	2,120	2,713	2,810	2,587	2,535	3,270	3,900	3,956	2,811	2,182
Swine:													
1916–1920	42,552	5,191	4,097	3,773	3,236	3,596	3,261	2,794	2,308	2,233	3,125	4,204	4,733
1921–1925	47,968	5,328	4,401	4,017	3,647	3,839	3,873	3,355	3,030	3,056	3,819	4,454	5,149
1926–1930	42,516	4,743	3,946	3,740	3,319	3,419	3,391	3,008	2,790	2,774	3,422	3,733	4,230
1928	46,527	5,306	5,267	4,639	3,483	3,723	3,548	2,924	2,523	2,600	3,666	4,075	4,773
1929	44,097	5,133	4,000	3,436	3,582	3,431	3,275	3,297	2,964	3,089	3,701	3,933	4,256
1930	40,774	4,720	3,781	3,294	3,255	3,293	3,215	2,918	2,617	2,799	3,441	3,439	4,002
1931	39,538	4,652	3,704	3,207	3,067	2,938	2,854	2,511	2,454	2,727	3,462	3,752	4,210

Source of Tables 577, 578, and 579, Bureau of Agricultural Economics, Department of Agriculture.

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No. 580.—DOMESTIC ANIMALS: AVERAGE FARM PRICE AND AVERAGE CHICAGO MARKET PRICE BY CALENDAR YEARS

Note.—Milk cows dollars per head; others in dollars per 100 pounds, live weight. Prices are weighted calendar year averages, except the averages for milk cows on farms and calves, sheep, and lambs at Chicago, which are simple averages of monthly prices

Yearly average or year	Milk cows on farms, per head	Beef cattle [1]		Calves, veal		Sheep		Lambs		Hogs	
		Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago	Farm	Chicago
1911–1915	52.33	5.55	7.89	7.09	9.30	4.60	5.13	6.01	7.57	6.86	7.60
1916–1920	79.47	8.42	12.91	11.07	14.35	8.97	10.25	11.85	15.05	13.20	14.78
1921–1925	56.29	5.66	9.13	8.09	9.78	6.35	7.02	10.10	13.53	8.29	9.04
1926–1930	79.54	7.96	11.82	10.71	13.07	7.06	6.57	11.02	13.54	9.60	10.23
1917	71.86	8.17	11.60	10.51	13.75	9.45	11.04	12.31	15.68	13.19	15.10
1918	83.07	9.46	14.65	11.91	15.75	10.95	12.44	13.93	16.98	15.82	17.45
1919	91.96	9.61	15.50	12.76	16.83	9.63	10.47	12.96	16.31	16.01	17.85
1920	89.51	8.38	13.30	11.80	14.58	8.51	9.49	11.85	15.50	12.88	13.91
1921	59.10	5.44	8.20	7.81	9.36	4.65	5.13	7.19	9.86	7.82	8.51
1922	53.56	5.43	8.65	7.68	9.15	5.96	7.15	9.76	13.68	8.34	9.22
1923	55.43	5.57	9.40	7.99	9.66	6.65	7.10	10.50	13.89	7.10	7.55
1924	55.48	5.59	9.24	8.12	9.86	6.81	7.57	10.75	14.57	7.41	8.11
1925	57.87	6.26	10.16	8.85	10.87	7.70	8.16	12.30	15.66	10.79	11.81
1926	65.51	6.46	9.47	9.61	11.61	7.43	7.25	11.56	14.26	11.74	12.34
1927	74.19	7.54	11.36	10.16	12.90	7.26	7.04	11.41	14.12	9.63	9.95
1928	89.75	9.18	13.91	11.79	14.56	7.68	7.39	12.09	14.99	8.50	9.22
1929	94.10	9.20	13.43	12.18	14.76	7.55	6.87	11.91	14.62	9.33	10.16
1930	74.16	7.43	10.95	9.83	11.51	5.36	4.32	8.15	9.69	8.78	9.47
1931	51.28	5.31	8.06	7.00	8.33	3.43	2.79	5.74	7.26	5.83	6.16

[1] Chicago prices are for beef steers, all grades, excluding western.

No. 581.—DOMESTIC ANIMALS: MONTHLY AVERAGE PRICES AT CHICAGO

[In dollars per 100 pounds, live weight]

Class and year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average [1]
Beef steers: [2]													
1926	9.48	9.42	9.42	9.11	9.07	9.51	9.44	9.30	10.00	10.00	9.48	9.43	9.47
1927	9.70	9.81	10.20	10.51	10.68	11.12	11.78	12.02	12.63	13.43	13.57	13.08	11.36
1928	13.67	13.15	12.83	13.01	13.19	13.86	15.11	15.30	15.91	14.61	13.84	12.86	13.91
1929	12.51	11.92	12.68	13.52	13.67	14.10	14.59	14.22	13.92	13.81	13.00	12.74	13.43
1930	12.62	12.46	12.33	11.88	11.15	10.59	9.42	9.48	10.95	10.64	10.47	10.17	10.95
1931	9.43	8.36	8.40	7.82	7.30	7.43	7.62	8.53	8.29	8.38	8.53	7.11	8.06
Calves, veal:													
1926	12.18	12.43	12.06	9.91	11.04	11.09	11.38	12.46	12.59	11.80	11.09	11.31	11.60
1927	12.20	12.40	11.54	10.90	11.07	11.68	13.32	14.75	15.94	14.42	13.48	13.09	12.90
1928	13.70	15.04	13.75	13.02	13.95	13.24	14.84	16.68	17.36	14.94	14.22	13.94	14.56
1929	15.83	14.74	15.50	14.43	13.39	14.22	15.30	15.81	16.64	13.76	13.70	13.82	14.76
1930	14.80	12.66	11.96	10.55	11.36	11.03	11.37	11.98	11.83	11.33	9.53	9.77	11.51
1931	10.62	9.26	7.98	8.12	8.35	8.48	7.81	9.32	9.28	7.75	6.56	6.40	8.33
Sheep:													
1926	9.72	9.18	8.82	8.87	7.97	5.85	5.97	6.50	6.25	6.12	5.88	5.86	7.25
1927	6.94	8.03	8.88	9.62	7.44	5.88	6.25	6.47	6.14	6.00	6.40	6.41	7.04
1928	7.03	8.96	9.47	10.16	8.53	6.12	6.28	6.72	6.34	6.18	5.84	7.03	7.39
1929	9.32	8.78	9.72	10.34	6.77	6.28	5.85	5.34	4.56	4.70	5.38	5.41	6.87
1930	6.50	5.53	5.59	5.66	5.31	3.38	3.12	3.53	3.50	3.10	3.34	3.22	4.32
1931	3.97	4.25	4.54	3.90	2.78	1.62	2.50	2.03	1.58	1.94	2.16	2.18	2.79
Lambs:													
1926	15.28	13.78	13.48	14.38	15.30	16.66	14.31	14.20	14.05	13.88	13.25	12.57	14.26
1927	12.64	13.28	15.27	15.87	14.75	15.66	14.25	13.68	13.46	13.70	13.80	13.14	14.12
1928	13.16	15.39	16.26	16.81	16.10	16.84	15.61	14.72	14.29	13.12	13.31	14.31	14.99
1929	16.37	16.53	17.07	16.82	13.62	15.35	14.38	13.50	13.19	12.73	12.72	13.22	14.62
1930	13.28	11.03	10.28	9.38	9.73	12.28	10.18	9.39	8.24	7.72	7.34	7.43	9.69
1931	8.43	8.19	8.31	9.06	8.55	7.72	6.62	6.88	6.49	5.88	5.64	5.32	7.26
Hogs:													
1926	12.02	12.45	12.20	12.33	13.55	14.01	12.51	11.48	12.03	12.72	11.80	11.57	12.34
1927	11.96	11.73	11.28	10.69	9.59	8.78	9.05	9.03	10.22	10.39	8.92	8.32	9.95
1928	8.25	8.08	8.08	9.28	9.67	9.91	10.65	11.53	11.89	9.57	8.83	8.61	9.22
1929	9.22	10.19	11.44	11.41	10.81	10.72	11.20	10.52	9.85	9.38	9.06	9.34	10.16
1930	9.78	10.67	10.17	10.00	10.02	9.52	8.73	9.58	9.76	9.34	8.55	7.92	9.47
1931	7.65	7.06	7.46	7.26	6.53	6.36	6.33	5.98	5.41	5.09	4.61	4.20	6.16

[1] Simple averages of monthly average prices, except the averages for beef steers and hogs, which are weighted averages.
[2] Western steers not included.

Source of Tables 580 and 581: Bureau of Agricultural Economics, Department of Agriculture.

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No. 582.—WHOLESALE PRICES OF MEATS AND ANIMAL PRODUCTS

[All prices are in cents per pound except for eggs, which are in cents per dozen and milk in cents per quart. Relative prices based on 1923–1925=100]

Yearly average or year	Hogs, fair to choice, heavy, Chicago		Steers, good to choice, Chicago		Pork, fresh, (composite price), Chicago		Hams, cured, Chicago		Pork, cured, clear sides, Chicago		Lard, prime contract, New York		Mutton, dressed, New York	
	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index	Price	Index
1891–1895	5.08	53.6	4.78	47.3	------	------	10.6	46.5	7.9	48.8	7.8	55.3	7.6	55.9
1896–1900	3.98	41.9	4.94	49.0	------	------	9.2	40.4	5.9	36.4	5.4	38.3	7.1	52.2
1901–1905	5.89	62.1	5.52	54.7	------	------	11.4	50.0	9.0	55.6	8.6	61.0	7.6	55.9
1906–1910	6.93	73.1	6.13	60.7	------	------	13.2	57.9	10.6	65.4	10.3	73.0	9.1	66.9
1911–1915	7.64	80.6	8.28	82.0	------	------	15.4	67.5	11.6	71.6	10.1	71.6	9.4	69.1
1916–1920	15.07	159.0	14.16	140.3	------	------	28.6	125.4	23.5	145.1	21.9	155.3	16.4	120.6
1921–1925	9.26	97.7	9.70	96.1	[1] 16.1	[1]100.0	24.3	106.6	15.3	94.4	13.0	92.2	12.6	92.6
1926–1930	10.41	109.8	12.25	121.3	18.7	116.1	25.1	110.1	17.8	109.9	12.6	89.4	13.4	98.5
1927	10.14	107.0	12.69	125.7	18.3	113.7	24.6	107.9	18.7	115.4	12.9	91.5	14.1	103.7
1928	9.63	101.6	14.49	143.6	17.0	105.6	22.8	100.0	16.3	100.6	12.3	87.2	14.2	104.4
1929	10.32	108.9	13.49	133.7	18.3	113.7	24.4	107.0	17.1	105.6	12.0	85.1	14.1	103.7
1930	9.61	101.4	11.05	109.3	17.5	108.7	23.0	100.9	16.6	102.5	10.9	77.3	10.0	73.5
1931	6.14	64.8	8.76	86.8	12.3	76.4	18.1	79.4	11.5	71.0	8.0	56.7	8.3	61.0

Yearly average or year	Beef, fresh, carcass, steers, Chicago		Beef, fresh, native sides, New York		Poultry, dressed, Chicago		Butter, creamery, extra, New York		Cheese, whole milk, New York		Eggs, firsts, fresh, New York [2]		Milk, fresh, New York	
1891–1895	------	------	7.9	52.0	------	------	24.7	54.9	10.3	46.6	------	42.9	3.3	45.2
1896–1900	------	------	7.8	51.3	------	------	20.1	44.7	9.8	44.3	------	38.1	3.1	42.5
1901–1905	------	------	8.3	54.6	------	------	23.3	51.8	11.2	50.7	------	50.7	3.4	46.6
1906–1910	[3] 11.0	[3] 64.7	9.1	59.9	------	------	27.9	62.0	14.3	64.7	------	60.1	4.0	54.8
1911–1915	12.8	75.3	12.1	79.6	[4] 14.3	[4] 58.1	30.0	66.7	15.2	68.8	[4] 25.7	67.7	4.2	57.5
1916–1920	19.8	116.5	18.6	122.4	25.3	102.8	50.1	111.3	25.6	115.8	45.6	123.2	7.1	97.3
1921–1925	16.4	96.5	14.8	97.4	25.0	101.6	43.8	97.3	21.7	98.2	37.2	100.5	7.4	101.4
1926–1930	20.3	119.4	18.5	121.7	24.3	98.8	44.1	98.0	24.0	104.1	38.0	89.2	8.2	112.3
1927	18.6	109.4	17.7	116.4	23.2	94.3	47.3	105.1	24.9	112.7	32.0	86.5	8.0	109.6
1928	22.8	134.1	20.9	137.5	22.6	91.9	47.4	105.3	25.1	113.6	32.9	88.9	8.2	112.3
1929	23.1	135.9	21.0	138.2	24.2	98.4	44.9	99.8	23.6	106.8	36.8	99.5	8.6	117.8
1930	20.7	121.8	17.6	115.8	24.2	98.4	36.4	80.9	18.9	85.5	27.8	75.1	8.3	113.7
1931	15.6	91.8	13.4	88.2	19.3	78.5	28.3	62.9	14.8	67.0	22.5	60.8	7.5	102.7

[1] Average for 1923 to 1925.
[2] Index numbers are based on quotations for "new laid, fair to fancy, near-by" prior to 1913; they have been adjusted, however, for difference in grade and are closely comparable.
[3] Average for 1908 to 1910.
[4] Average for 1913 to 1915.

Source: Absolute prices, Bureau of Labor Statistics, Department of Labor; indexes, computed from absolute prices by Bureau of Foreign and Domestic Commerce.

No. 583.—FARM PRICES OF ANIMALS AND ANIMAL PRODUCTS

NOTE.—All prices are in cents per pound except for eggs which are in cents per dozen. Prices represent weighted averages for the entire country. Annual averages are weighted according to volume marketed each month. Market year begins in August for cattle, October for hogs, June for lambs, July for chickens, April for eggs, and May for butterfat. Quotations are as of the 15th of each month

Market year beginning—	Beef cattle	Hogs	Lambs	Chickens	Eggs	Butterfat	Calendar year	Veal calves	Sheep	Wool [2]	Butter
1910–1914	5.42	6.92	5.91	11.2	19.1	(1)	1910–1914	6.84	4.60	17.7	25.2
1915–1920	8.01	12.20	11.10	19.2	31.9	(1)	1915–1920	10.49	8.35	41.0	39.5
1921–1925	5.72	8.81	10.42	19.1	25.9	39.3	1921–1925	8.09	6.35	32.1	38.6
1926–1930	7.89	8.81	10.61	19.8	25.5	41.1	1926–1930	10.71	7.06	30.2	41.5
1921	5.18	8.10	7.83	19.3	25.3	34.0	1922	7.68	5.96	29.8	35.3
1922	5.55	7.41	10.30	18.2	24.7	39.3	1923	7.99	6.65	38.9	40.4
1923	5.57	6.85	10.54	18.3	25.2	42.4	1924	8.12	6.81	36.9	39.4
1924	5.88	10.15	11.45	19.2	26.1	38.1	1925	8.85	7.70	38.5	40.7
1925	6.40	11.55	11.98	20.7	28.3	42.6	1926	9.61	7.43	32.5	41.1
1926	6.67	10.28	11.36	20.7	27.5	42.5	1927	10.16	7.26	30.7	42.3
1927	8.58	8.59	11.76	19.8	24.2	43.6	1928	11.79	7.68	36.7	43.7
1928	9.45	9.28	12.31	22.1	27.4	45.8	1929	12.18	7.55	30.9	43.8
1929	8.63	8.95	10.71	20.4	27.9	41.8	1930	9.83	5.36	20.3	36.8
1930	6.10	6.95	6.92	16.1	20.5	32.0	1931	7.00	3.43	13.9	27.4
Dec., 1930	6.37	7.44	6.18	15.3	26.8	30.6	Dec., 1930	8.48	3.96	18.4	34.8
Dec., 1931	4.38	3.76	4.19	13.9	25.6	27.3	Dec., 1931	5.59	2.52	12.9	29.2
Jan., 1932	4.29	3.76	4.43	13.3	17.2	22.8	Jan., 1932	5.62	2.48	12.5	26.3
Feb., 1932	4.08	3.53	4.58	12.6	12.8	19.8	Feb., 1932	5.80	2.67	13.0	23.4
Mar., 1932	4.25	3.90	5.05	12.6	10.4	19.5	Mar., 1932	5.69	2.91	12.5	23.0

[1] Not available.
[2] Unwashed.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 584.—MEATS AND LARD: PRODUCTION, EXPORTS, IMPORTS, AND CONSUMPTION, AND NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION

NOTE.—**All figures, except per capita, in millions of pounds.** Uninspected slaughter is estimated by use of average carcass weights and dressing percentages obtained from packers and stockyards data, census reports, etc. The edible offal (liver, pluck, etc.) is disregarded. Exports include shipments to noncontiguous territories. Figures of consumption beginning with 1916 include differences between quantities in storage at beginning and end of year

Yearly average or year (calendar)	Production			Exports	Imports (less reexports)	Consumption	
	Estimated total	Federally inspected	Uninspected [1]			Estimated total	Per capita (pounds)
All meat (excluding lard): [2]							
1910–1914	13,776	8,256	5,520	506	[3] 171	13,239	139.2
1915–1920	15,049	9,925	5,125	1,603	90	13,204	128.3
1921–1925	16,852	11,030	5,822	794	38	15,989	142.9
1926–1930	16,854	11,176	5,678	386	107	16,544	137.8
1928	16,955	11,317	5,638	360	143	16,569	138.0
1929	16,803	11,184	5,619	407	154	16,607	136.8
1930	16,538	10,898	5,640	345	63	16,367	132.8
1931	16,777	11,048	5,729	223	24	16,530	133.2
Beef:							
1910–1914	6,109	3,761	2,347	79	[3] 144	6,059	63.8
1915–1920	6,541	4,681	1,860	365	66	6,143	59.6
1921–1925	6,791	4,619	2,172	44	23	6,770	60.5
1926–1930	6,501	4,558	1,944	30	88	6,602	55.0
1928	6,082	4,263	1,819	24	121	6,210	51.7
1929	6,065	4,275	1,790	27	138	6,247	51.4
1930	6,076	4,245	1,831	29	57	6,172	50.1
1931	6,132	4,278	1,854	28	20	6,156	49.6
Veal:							
1910–1914	552	195	358	----------	[4] 5	553	5.8
1915–1920	665	297	368	----------	3	667	6.5
1921–1925	868	449	419	----------	4	869	7.8
1926–1930	858	479	379	----------	5	863	7.2
1928	814	462	352	----------	8	822	6.8
1929	816	453	363	----------	5	821	6.8
1930	833	459	374	----------	2	835	6.8
1931	860	473	387	----------	----------	860	6.9
Mutton and lamb:							
1910–1914	711	552	159	4	[4] 18	710	7.4
1915–1920	555	430	126	5	17	566	5.5
1921–1925	584	456	128	4	8	590	5.3
1926–1930	696	544	151	2	[5] 3	696	5.8
1928	671	523	148	2	3	673	5.6
1929	699	545	154	1	4	703	5.8
1930	820	650	170	2	----------	819	6.6
1931	878	688	190	2	----------	878	7.1
Pork (excluding lard):							
1910–1914	6,361	3,733	2,628	422	[3] 16	5,873	61.7
1915–1920	7,273	4,513	2,760	1,233	5	5,813	56.5
1921–1925	8,607	5,506	3,101	746	4	7,754	69.3
1926–1930	8,798	5,595	3,203	354	11	8,382	69.8
1928	9,387	6,069	3,318	334	11	8,863	73.9
1929	9,223	5,911	3,312	379	7	8,836	72.8
1930	8,809	5,544	3,265	314	4	8,541	69.3
1931	8,907	5,609	3,298	193	4	8,636	69.6
Lard:							
1910–1914	1,614	948	666	519	----------	1,095	11.5
1915–1920	1,877	1,178	698	556	----------	1,321	12.9
1921–1925	2,445	1,660	785	896	----------	1,552	13.9
1926–1930	2,443	1,621	822	758	----------	1,683	14.0
1928	2,594	1,750	844	801	----------	1,763	14.7
1929	2,598	1,763	835	866	----------	1,735	14.3
1930	2,344	1,521	823	674	----------	1,701	13.8
1931	2,385	1,554	831	601	----------	1,784	14.4

NUMBER OF ANIMALS SLAUGHTERED UNDER FEDERAL INSPECTION (THOUSANDS)

Year	Cattle	Calves	Sheep	Goats	Swine	Year	Cattle	Calves	Sheep	Goats	Swine
1910–1914	7,283	2,060	13,808	93	31,086	1922	8,678	4,182	10,929	21	43,114
1915–1920	9,390	3,135	11,249	131	39,403	1923	9,163	4,500	11,529	27	53,334
1921–1925	8,979	4,556	11,891	26	46,269	1924	9,593	4,935	11,991	33	52,873
1926–1930	8,932	4,759	14,010	-------	45,355	1925	9,853	5,353	12,001	39	43,043
1916	8,310	2,367	11,941	199	43,084	1926	10,180	5,153	12,961	-------	40,636
1917	10,350	3,143	9,345	166	33,910	1927	9,520	4,876	12,883	-------	43,633
1918	11,829	3,456	10,320	138	41,214	1928	8,467	4,680	13,488	-------	49,795
1919	10,091	3,969	12,691	87	41,812	1929	8,324	4,489	14,023	-------	48,445
1920	8,609	4,058	10,982	42	38,019	1930	8,170	4,595	16,697	-------	44,266
1921	7,608	3,808	13,005	12	38,982	1931	8,108	4,717	18,071	-------	44,772

[1] Estimated. [2] Includes small quantities of goat meat. [3] 2-year average. [4] 1914 only. [5] 4-year average.

Source: Bureau of Animal Industry, Department of Agriculture.

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No. 585.—MILK, BUTTERFAT, AND BUTTER: CENSUS STATISTICS, BY STATES

Division and State	Milk produced, total including estimates (thousands of gallons)		Milk sold by farmers (thousands of gallons)		Butterfat sold (thousands of pounds)		Butter made (thousands of pounds)		
								1929	
	1924	1929	1924	1929	1924	1929	1924 (Total[1,2])	On farms	In factories[4]
United States	**9,198,304**	**11,052,023**	**2,666,612**	**4,455,639**	**1,061,082**	**1,179,906**	[3] **2,096,287**	**542,064**	**[3] 1,615,683**
New England	**402,765**	**415,304**	**205,540**	**300,149**	**32,825**	**11,761**	[4] **31,678**	**13,703**	
Maine	70,949	71,101	18,289	28,060	5,266	3,169	9,667	8,188	(5)
New Hampshire	38,149	40,680	21,026	29,402	1,315	427	[6] 2,470	1,769	(5)
Vermont	127,957	139,075	40,357	100,644	24,802	7,747	13,991	2,218	5,137
Massachusetts	86,575	85,421	65,849	73,375	1,057	310	3,924	818	1,230
Rhode Island	13,504	14,890	11,392	13,522	8	10	[6] 132	53	(5)
Connecticut	65,631	64,137	48,627	55,146	377	98	[6] 1,494	557	(5)
Middle Atlantic	**1,264,501**	**1,362,227**	**883,182**	**1,122,986**	**36,014**	**12,546**	[4] **83,256**	**33,116**	
New York	741,983	800,524	552,804	682,504	19,451	6,202	40,343	13,996	9,355
New Jersey	76,245	81,772	60,909	73,766	1,215	24	[6] 945	578	(7)
Pennsylvania	446,273	479,931	269,469	366,716	15,348	6,320	41,968	18,542	11,854
East North Central	**2,614,917**	**2,983,768**	**920,994**	**1,672,996**	**368,345**	**283,775**	**534,306**	**54,995**	**436,237**
Ohio	425,834	454,117	159,816	227,151	45,766	45,683	108,945	14,501	89,360
Indiana	270,963	332,183	66,062	142,720	39,051	41,256	69,140	8,754	56,608
Illinois	435,133	506,374	196,557	238,287	32,522	50,631	86,640	16,313	73,887
Michigan	424,236	449,756	144,911	221,411	51,568	46,713	92,207	12,414	61,076
Wisconsin	1,058,751	1,241,338	353,648	843,427	199,438	99,492	177,374	3,013	155,306
West North Central	**2,275,079**	**2,919,936**	**167,103**	**327,795**	**424,377**	**602,875**	**818,319**	**94,490**	**834,724**
Minnesota	663,638	825,441	50,829	95,757	156,398	198,798	284,386	10,246	288,630
Iowa	515,910	647,224	35,379	64,538	98,688	140,521	191,688	14,679	213,731
Missouri	273,956	369,134	30,297	67,005	31,743	55,673	88,543	20,996	86,951
North Dakota	199,037	227,819	3,038	8,210	33,259	47,519	47,455	13,361	38,955
South Dakota	172,968	231,187	5,145	9,590	33,747	50,439	40,129	9,315	40,894
Nebraska	197,601	292,938	13,876	29,932	31,243	52,792	98,731	13,066	106,199
Kansas	251,969	326,193	28,539	52,763	39,299	57,133	67,387	12,827	59,365
South Atlantic	**567,849**	**644,881**	**120,956**	**192,533**	**8,520**	**17,239**	[4] **118,038**	**105,867**	
Delaware	13,037	14,757	8,551	11,435	181	33	[6] 812	480	(5)
Maryland	74,043	87,786	42,983	65,080	1,891	812	6,050	3,626	183
Dist. of Col	481	504	439	476				8	(7)
Virginia	127,447	145,525	24,241	38,539	2,911	6,698	28,846	22,916	5,497
West Virginia	76,621	83,868	10,425	16,951	1,282	4,061	16,744	12,674	466
North Carolina	108,151	119,992	11,222	19,792	975	2,003	26,952	26,158	2,230
South Carolina	49,982	52,525	3,214	7,673	326	482	12,863	11,537	469
Georgia	98,822	113,640	11,310	17,958	906	3,043	25,771	26,690	2,158
Florida	19,265	26,284	8,571	14,629	48	107		1,783	1,061
East South Central	**499,612**	**646,606**	**47,541**	**127,626**	**18,703**	**39,173**	**141,262**	**107,013**	**46,992**
Kentucky	165,921	210,624	17,495	38,912	9,619	22,636	43,207	22,886	20,633
Tennessee	148,759	181,790	15,591	43,608	5,209	10,120	44,857	29,331	17,267
Alabama	95,365	123,548	7,129	16,760	967	1,808	29,044	32,964	2,154
Mississippi	89,567	130,644	7,326	28,346	2,908	4,609	24,094	21,832	6,938
West South Central	**588,777**	**848,817**	**64,553**	**135,675**	**23,508**	**71,526**	**141,352**	**109,565**	**56,250**
Arkansas	98,769	128,569	5,758	13,345	2,073	8,963	29,267	23,999	2,985
Louisiana	37,870	58,289	10,935	14,736	76	715		5,816	758
Oklahoma	177,597	249,251	12,358	32,446	16,310	33,145	41,958	21,734	27,510
Texas	274,541	412,708	35,502	75,148	5,049	28,701	70,127	58,016	24,997
Mountain	**362,431**	**469,473**	**54,858**	**135,187**	**52,609**	**66,411**	**87,227**	**15,645**	**79,680**
Montana	73,186	87,378	6,175	12,546	9,886	13,868	20,164	4,502	13,975
Idaho	78,505	104,667	8,805	28,449	14,490	17,417	20,129	2,450	23,571
Wyoming	24,318	32,879	2,112	6,901	3,524	4,886	3,954	1,354	2,864
Colorado	96,649	121,906	17,703	36,082	14,081	17,208	24,529	3,579	22,020
New Mexico	19,027	24,491	3,987	4,776	1,219	3,019	2,055	1,321	566
Arizona	18,416	21,005	6,835	11,984	1,728	1,306	2,589	511	2,613
Utah	40,847	65,039	7,507	32,419	5,651	6,050	11,052	1,752	11,793
Nevada	11,483	12,108	1,734	2,030	2,030	2,657	2,755	176	2,278
Pacific	**622,373**	**761,011**	**201,885**	**440,692**	**96,161**	**74,600**	**139,874**	**7,670**	**121,702**
Washington	169,846	180,104	45,819	91,791	27,217	19,595	34,560	3,196	28,695
Oregon	112,218	135,377	25,598	51,785	18,990	19,957	26,908	2,530	23,826
California	340,309	445,530	130,468	297,116	49,954	35,048	78,406	1,944	69,181

[1] Figures given are inclusive of small amounts of butter made as an incidental product in establishments engaged primarily in the manufacture of products other than butter, cheese, or condensed milk.
[2] Includes butter made on farms in 1924 and in factories in 1925.
[3] Includes 1,035,000 pounds of butter made in factories in New Hampshire, Connecticut, Rhode Island, and Delaware in 1925, and 463,000 pounds made in factories in Maine, New Hampshire, Connecticut, New Jersey, and Delaware in 1929. The reports for these States are not shown separately. (See Note 5.)
[4] Excludes small amount of butter made in factories of one or more States in this group.
[5] Not shown separately, as to do so would disclose individual operations.
[6] Excludes butter made in factories.
[7] No butter reported.

Source: Bureau of the Census, Department of Commerce.

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No. 586.—LIVESTOCK PRODUCTS OF FARMS: SUMMARY OF CENSUS STATISTICS FOR THE UNITED STATES

Product	Unit	Quantity (thousands) 1909	1919	1924	1929	Value (thousands of dollars) 1919	1924	1929
Total value						**2,666,944**	**2,345,219**	**3,307,325**
Dairy products						1,481,462	1,260,778	1,818,482
Butter made on farms	Lb.	994,651	707,666	642,803	542,064	346,356	228,139	216,898
Cheese made on farms	do.	9,406	6,371	(1)	(1)	2,268	(1)	(1)
Whole milk sold	Gal.	1,937,256	2,529,331	2,666,612	4,455,639	717,380	555,269	1,036,650
Cream sold	do.	54,934	82,248	45,736	15,846	111,906	62,059	26,139
Butterfat sold	Lb.	305,663	532,244	1,061,062	1,179,906	303,552	415,311	538,795
Wool and mohair [2]	Lb.	293,199	235,604	235,531	310,425	124,007	93,122	96,212
Wool produced [1]	do.	289,420	228,795	227,105	295,964	120,418	88,630	89,415
Mohair produced	do.	3,779	6,809	8,426	14,461	3,589	4,491	6,797
Eggs and chickens [2]						1,047,195	991,319	1,380,371
Chicken eggs produced [2]	Doz.	1,574,979	1,654,045	1,913,245	2,689,719	661,083	571,938	799,261
Chickens raised [2]	No.	460,611	473,201	545,848	673,092	386,112	419,381	581,110
Honey and wax						14,280	(1)	12,260
Honey produced	Lb.	54,815	55,224	(1)	83,546	13,989	(1)	12,260
Wax produced	do.	905	821	(1)	(1)	291	(1)	(1)

[1] Not reported. [2] Figures include estimates for incomplete reports.

Source: Bureau of the Census, Department of Commerce.

No. 587.—DAIRY PRODUCTS: FACTORY PRODUCTION BY DETAILED CLASSES

[In thousands of pounds]

Manufactured product	1925	1926	1927	1928	1929	1930
Creamery butter	1,361,526	1,451,766	1,496,495	1,487,049	1,597,027	1,595,231
Whey butter (made from whey cream)	1,774	2,872	1,217	1,097	1,221	2,516
Renovated or process butter	2,519	2,505	4,286	2,716	2,531	1,850
American cheese (whole milk)	347,240	335,915	307,777	335,253	370,314	378,816
American cheese (part skim)	2,793	2,927	3,390	2,900	4,951	3,653
American cheese (full skim)	3,298	1,384	1,888	3,048	1,074	669
Swiss cheese (including block)	23,457	20,883	18,141	16,718	19,406	26,393
Brick and Munster cheese	34,101	31,048	31,546	28,960	31,763	33,548
Limburger cheese	9,163	9,639	8,842	7,437	8,568	8,473
Cream and Neufchatel cheese	17,575	18,192	25,962	30,589	34,405	33,213
All Italian varieties of cheese	1,562	2,425	3,377	3,587	5,948	8,573
All other varieties of cheese	4,325	5,003	5,763	9,027	7,504	7,029
Cottage, pot, and bakers' cheese	59,485	67,977	75,679	87,525	94,941	97,641
Condensed milk (sweetened):						
Skimmed	117,333	148,771	145,345	156,089	204,107	161,063
Unskimmed	231,565	210,681	201,023	177,737	197,611	184,047
Evaporated milk (unsweetened):						
Skimmed	92,948	128,743	134,185	158,243	153,624	157,862
Unskimmed	1,316,012	1,245,309	1,375,169	1,426,358	1,651,306	1,577,352
Condensed or evaporated buttermilk	77,079	86,687	99,180	102,452	107,288	96,431
Dried or powdered buttermilk	20,246	31,378	38,435	45,502	54,215	64,601
Powdered whole milk	8,931	10,768	11,464	9,605	13,202	15,440
Powdered skimmed milk	73,317	91,718	118,123	147,996	207,579	260,675
Powdered cream	339	331	338	673	294	400
Dried casein (skim-milk or buttermilk product)	16,660	16,953	18,033	22,151	30,537	41,965
Malted milk	18,050	20,673	22,116	21,128	22,850	22,691
Milk sugar (crude)	5,655	4,476	4,077	5,323	8,965	12,779
Ice cream of all kinds[1]	214,382	215,248	226,756	232,185	254,618	240,750

[1] Production of ice cream shown in thousands of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 588.—WHOLE MILK REQUIRED FOR MANUFACTURED PRODUCTS

Manufactured products	Whole milk required per unit of product	1928			1929			1930		
		Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured	Quantity of product manufactured	Whole milk required	Per cent of milk manufactured
	Pounds	*Million pounds*	*Million pounds*		*Million pounds*	*Million pounds*		*Million pounds*	*Million pounds*	
Total milk required			**57,886**	**100.00**		**61,495**	**100.00**		**60,836**	**100.00**
Creamery butter	21	1,487	31,228	53.95	1,597	33,538	54.54	1,595	33,500	55.07
Farm butter [1]	21	590	12,390	21.40	580	12,180	19.81	570	11,970	19.68
Cheese (all kinds)	10	438	4,375	7.56	484	4,839	7.87	500	5,004	8.23
Condensed and evaporated milk	2.5	1,918	4,796	8.29	2,207	5,517	8.97	2,080	5,201	8.55
Powdered milk	8	10	77	.13	13	106	.17	15	124	.20
Powdered cream	19	1	13	.02	(2)	6	.01	(2)	8	.01
Malted milk	2.2	21	46	.08	23	50	.08	23	50	.08
Milk chocolate			175	.30		235	.38		227	.37
Ice cream	13.75	[3] 348	4,786	8.27	[3] 365	5,025	8.17	[3] 346	4,754	7.81

[1] Preliminary. [2] Less than 500,000 pounds. [3] Millions of gallons.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 589.—BUTTER AND CHEESE: PRODUCTION, GROSS RECEIPTS AT FIVE PRINCIPAL MARKETS, AND COLD-STORAGE HOLDINGS

NOTE.—**All figures in thousands of pounds.** Cheese production relates to the grade "American" (whole milk) only, receipts to all kinds. 1931 figures for butter and cheese production are preliminary

Product and market	1921–1925, average	1926	1927	1928	1929	1930	1931
BUTTER							
Production, creamery	1,233,655	1,451,766	1,496,195	1,487,049	1,597,027	1,595,231	[1] 1,631,879
Receipts (5 markets) [2]	**643,166**	**679,480**	**689,575**	**676,958**	**704,116**	**682,663**	**712,390**
New York	238,240	252,742	261,322	250,593	265,760	268,070	274,218
Chicago	228,995	236,546	235,200	230,514	244,632	233,638	243,695
Philadelphia	68,086	79,345	81,727	84,495	87,386	83,762	90,585
Boston	81,413	83,243	84,617	87,324	81,183	72,455	77,200
San Francisco	26,431	27,604	26,709	24,032	25,155	24,738	26,692
Cold-storage holdings, Dec. 1 [3]	67,999	64,381	83,224	70,985	111,650	88,012	42,242
CHEESE							
Production, American	304,915	335,915	307,777	335,253	370,314	378,816	[1] 376,929
Receipts (5 markets) [2]	**207,821**	**207,888**	**218,248**	**196,613**	**178,899**	**164,199**	**148,656**
New York	48,127	45,363	46,937	48,272	50,911	52,165	56,005
Chicago	115,674	115,104	123,633	97,264	80,823	58,866	41,555
Philadelphia	18,920	19,454	20,396	21,039	19,973	21,167	20,949
Boston	14,336	15,437	14,588	17,362	14,899	16,882	17,240
San Francisco	10,763	12,530	12,694	12,676	12,293	15,119	12,907
Cold-storage holdings, Dec. 1: [3]							
American	50,330	63,881	53,447	74,325	71,065	71,132	60,583
All other	16,150	17,203	17,288	15,645	15,884	16,039	17,982

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
BUTTER												
Production, creamery:												
1929	103,519	99,963	114,404	133,684	174,341	192,869	185,317	152,192	123,582	118,116	97,186	101,854
1930	108,382	102,252	115,679	133,271	184,385	189,788	167,559	137,420	122,580	120,247	101,974	111,694
1931 [1]	116,110	108,051	124,914	143,052	182,269	190,278	158,126	136,769	118,202	121,052	112,002	121,054
Receipts (5 markets):												
1929	52,490	48,557	53,979	56,881	73,879	81,180	79,442	64,103	51,972	50,246	44,739	46,648
1930	50,875	47,966	55,180	59,127	74,504	82,334	72,662	52,334	47,744	45,528	43,118	51,291
1931	53,340	50,529	57,011	62,633	72,275	86,676	68,326	52,659	50,083	51,242	52,486	55,130
CHEESE												
Production, American:												
1929	19,925	19,522	24,059	30,181	42,483	51,702	48,007	37,811	30,824	25,961	19,655	20,184
1930	23,666	23,031	28,502	34,143	48,545	53,887	45,582	33,555	26,705	23,581	18,781	18,838
1931 [1]	21,793	22,208	28,852	34,160	44,190	50,698	41,871	34,023	28,332	29,218	22,849	18,735
Receipts (5 markets):												
1929	13,781	13,877	12,261	12,331	16,750	18,406	20,548	18,605	15,289	14,343	11,829	10,879
1930	12,526	12,466	12,904	13,026	15,473	17,895	17,435	14,953	14,510	12,225	10,783	10,003
1931	11,600	10,406	11,717	11,445	12,145	17,480	14,190	14,264	11,948	13,588	10,569	9,304

[1] Preliminary. [2] Gross weight. [3] Net weight.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 590.—BUTTER, BUTTERFAT, AND CHEESE: WHOLESALE PRICE OF BUTTER AND CHEESE AT NEW YORK AND FARM PRICE OF BUTTER AND BUTTERFAT

NOTE.—**Prices in cents per pound.** Farm prices represent weighted averages for the entire country. Wholesale prices are for 92-score creamery butter and No. 1 American, flats cheese. Annual prices are for the calendar year except for butterfat which are for the year beginning May of the year specified

Year (see headnote)	Butter		Butterfat (farm)	Cheese (New York)
	Farm	New York		
1913	26.7	32	(1)	15
1921	37.0	43	34.0	21
1922	35.3	41	39.3	[2] 20
1923	40.4	47	42.4	[3] 25
1924	39.4	43	38.1	21
1925	40.7	45	42.6	24
1926	41.1	44	42.5	[4] 23
1927	42.3	47	43.6	[3] 25
1928	43.7	47	45.8	[3] 25
1929	43.8	45	41.8	24
1930	36.8	37	34.8	19
1931	27.4	28	24.7	15

Month	Butter (New York)		Butterfat (farm)		Cheese (New York)	
	1926–1930, avg.	1931	1926–1930, avg.	1931	1926–1930, avg.	1931
January	46	28	45.0	26.2	24	18
February	46	28	43.8	25.0	23	17
March	45	29	44.1	27.5	22	16
April	44	26	43.3	26.4	22	15
May	42	24	41.8	21.2	21	13
June	41	23	39.8	20.5	23	14
July	41	25	39.4	21.1	23	14
August	43	28	40.2	23.9	24	16
September	45	32	42.2	26.6	25	16
October	46	34	43.3	30.3	24	15
November	46	31	43.4	28.2	23	14
December	46	31	43.5	27.3	22	14

[1] Not available. [2] 8-month average. [3] 11-month average. [4] 9-month average. [5] 7-month average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 591.—OLEOMARGARINE: PRODUCTION AND MATERIALS USED

NOTE.—**All figures in thousands of pounds.** Figures for production by kind of oil used are as reported to the Bureau of Agricultural Economics, Department of Agriculture, while other production figures are as reported to the Commissioner of Internal Revenue for taxation purposes. Colored oleomargarine is taxed 10 cents per pound; uncolored, ¼ cent per pound

Year ended June 30—	Oleomargarine production		
	Total	Colored	Uncolored
1911	121,163	5,831	115,332
1912	128,601	6,236	122,365
1913	145,228	6,520	138,707
1914	144,021	6,384	137,637
1915	145,810	7,595	138,215
1916	152,510	6,749	145,761
1917	233,170	8,012	225,158
1918	326,529	6,595	319,934
1919	359,217	13,849	345,368
1920	391,280	15,624	375,656
1921	281,082	11,601	269,481
1922	190,950	6,604	184,346
1923	209,182	8,260	200,922
1924	239,699	11,548	228,151
1925	215,403	11,280	204,123
1926	248,047	13,181	234,866
1927	257,157	14,502	242,655
1928	294,699	15,351	279,348
1929	333,122	16,306	316,816
1930	349,124	17,103	332,021
1931	277,773	8,847	268,926
1930 [1] Total	311,755	13,608	298,147
Combined animal and vegetable oil	95,876	8,859	87,017
Exclusively vegetable oil	215,879	4,749	211,130
1931 [1] Total	221,953	6,146	215,807
Combined animal and vegetable oil	56,872	3,996	52,876
Exclusively vegetable oil	165,081	2,150	162,931

District or material	Year ended June 30—			
	1928	1929	1930	1931
PRODUCTION BY STATES				
California	29,072	37,444	38,823	31,049
Colorado	1,026	1,102	1,619	856
Illinois	140,882	153,044	157,955	120,422
Indiana	3,482	3,516	4,369	3,914
Kansas	20,482	20,258	23,440	18,799
Maryland	7,234	9,022	8,820	6,120
Massachusetts	3,100	3,968	3,462	2,391
Michigan	825	4,564	6,374	8,637
Minnesota	1,849	3,510	2,769	1,731
Missouri	11,848	11,247	12,735	10,766
Nebraska	2,657	3,208	2,899	2,183
New Jersey	28,673	32,123	31,471	24,534
Ohio	25,459	31,262	31,523	29,074
Oregon	2,899	3,431	4,224	2,569
Rhode Island	828	777	1,074	710
Texas	3,025	3,897	4,845	3,410
Wisconsin	9,051	8,571	9,191	5,886
All other	2,305	2,177	3,531	4,724
MATERIAL CONSUMED				
Total	361,069	410,937	424,648	334,891
Oleo oil	45,477	47,185	45,322	28,040
Coconut oil	141,000	171,412	185,066	155,954
Cottonseed oil	24,801	28,173	30,214	22,037
Milk	83,115	94,752	97,753	77,251
Palm oil	955	1,349	1,102	2,773
Peanut oil	5,459	6,617	5,714	5,291
Salt	25,024	27,311	28,890	22,981
Oleostearine	5,532	5,834	6,269	5,485
Neutral lard	25,036	24,189	19,632	10,180
Oleo stock	1,738	1,294	1,189	1,025
Butter	2,484	2,611	2,616	1,013
Miscellaneous	1,403	1,559	1,983	2,862

[1] Calendar year.

Source: Commissioner of Internal Revenue, Treasury Department, and Bureau of Agricultural Economics, Department of Agriculture.

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No. 592.—CHICKENS ON FARMS, CHICKENS RAISED, AND EGGS PRODUCED

NOTE.—For additional figures for United States as a whole, see Table 586

Division and State	Chickens on hand (thousands)			Chickens raised (thousands) [1]			Eggs produced (thousands of dozens) [1]		
	1920 (Jan. 1)	1925 (Jan. 1)	1930 (Apr. 1) [2]	1919	1924	1929	1919	1924	1929
United States	359,537	409,291	378,873	473,201	545,848	673,092	1,654,045	1,913,245	2,689,719
New England	5,804	8,138	6,882	8,376	13,439	18,502	37,632	56,540	63,103
Maine	1,403	1,900	1,451	1,908	2,838	3,238	9,977	13,613	13,737
New Hampshire	771	1,207	914	1,071	2,442	2,679	5,005	8,181	8,537
Vermont	800	941	749	1,016	1,339	1,378	5,167	6,372	6,680
Massachusetts	1,455	2,030	1,926	2,401	3,631	5,088	9,604	14,325	18,102
Rhode Island	254	361	305	434	519	608	1,537	2,275	2,469
Connecticut	1,120	1,699	1,537	1,546	2,670	3,511	6,341	11,775	13,578
Middle Atlantic	27,452	34,829	31,497	31,059	39,779	53,153	151,453	216,632	253,507
New York	10,415	13,409	11,954	11,873	14,941	19,518	62,175	87,167	97,927
New Jersey	2,534	4,114	4,097	3,523	5,492	7,995	13,280	27,417	35,956
Pennsylvania	14,503	17,306	15,446	15,664	19,346	25,640	75,998	102,048	119,624
East North Central	84,516	89,623	77,634	99,252	113,867	137,853	400,445	441,682	543,261
Ohio	20,233	20,927	18,000	22,458	26,937	32,574	102,377	112,893	135,990
Indiana	16,754	17,355	14,083	22,618	25,257	29,048	83,101	86,975	103,540
Illinois	25,121	25,738	22,082	29,894	32,204	38,125	105,758	113,021	136,830
Michigan	10,914	12,579	10,380	12,442	15,276	18,146	55,987	68,209	77,401
Wisconsin	11,495	13,023	13,139	11,840	14,194	19,960	53,222	60,584	89,500
West North Central	105,348	123,101	118,261	126,783	158,864	198,438	474,592	543,558	778,028
Minnesota	13,213	16,408	16,611	15,062	20,352	26,979	60,250	76,322	107,304
Iowa	27,747	30,275	30,666	31,076	38,185	48,216	120,697	133,776	188,386
Missouri	24,884	28,222	25,197	29,363	34,596	40,783	117,204	129,291	180,350
North Dakota	4,329	5,181	4,795	5,324	5,722	8,177	20,820	20,988	27,889
South Dakota	6,642	7,906	8,546	7,638	10,607	14,659	30,352	35,104	53,052
Nebraska	11,615	13,500	13,318	15,797	20,310	25,974	49,133	54,811	85,555
Kansas	16,919	21,609	19,128	22,503	29,091	33,650	76,137	93,267	135,542
South Atlantic	36,408	41,120	33,422	65,374	66,752	70,948	144,662	153,799	222,457
Delaware	949	1,365	1,551	1,205	1,582	3,414	3,908	6,381	11,201
Maryland	3,436	4,198	3,777	5,258	6,025	7,422	15,086	20,069	27,709
District of Columbia	10	16	12	14	10	21	43	69	102
Virginia	7,860	9,221	7,643	14,227	15,892	16,728	36,551	39,044	55,349
West Virginia	4,028	4,349	3,674	4,873	5,305	5,504	21,708	22,125	27,930
North Carolina	7,393	8,558	6,385	14,047	15,057	14,727	24,841	25,587	39,301
South Carolina	3,954	4,238	3,057	9,016	7,830	7,447	12,812	11,109	15,907
Georgia	7,222	7,043	5,373	14,588	12,284	12,264	23,182	19,838	30,534
Florida	1,555	2,130	1,950	2,146	2,766	3,421	6,531	9,577	14,424
East South Central	34,092	34,969	28,617	51,071	51,103	54,741	138,152	113,735	176,281
Kentucky	10,478	11,036	8,920	15,507	16,445	17,356	42,225	37,045	53,960
Tennessee	11,354	11,861	8,888	15,554	16,148	15,939	48,707	41,039	57,320
Alabama	5,918	6,284	5,428	10,180	9,527	10,734	23,437	19,467	34,565
Mississippi	6,342	5,788	5,381	9,830	8,982	10,712	23,783	16,185	30,436
West South Central	39,919	43,835	43,254	57,329	60,998	78,048	157,008	160,425	298,460
Arkansas	6,955	7,164	6,124	9,111	9,870	11,202	28,168	23,923	39,129
Louisiana	3,764	3,907	4,133	5,571	5,434	7,279	13,136	10,472	22,462
Oklahoma	11,137	13,023	11,471	16,817	19,670	23,292	45,440	51,477	80,514
Texas	18,063	19,741	21,526	25,830	26,025	36,275	70,264	74,552	154,355
Mountain	9,524	12,299	12,373	13,037	15,537	21,088	49,993	66,278	97,429
Montana	2,055	2,545	2,117	3,227	3,067	3,664	11,858	13,403	15,429
Idaho	1,655	2,029	1,989	2,250	2,540	3,371	8,605	11,708	16,399
Wyoming	621	809	736	894	1,121	1,258	3,166	4,337	5,777
Colorado	2,875	3,752	3,653	3,881	5,006	6,333	14,172	18,561	27,343
New Mexico	714	937	962	921	1,123	1,486	3,063	4,075	6,791
Arizona	495	636	576	569	756	997	2,525	3,741	5,081
Utah	955	1,367	2,096	1,107	1,644	3,540	5,709	9,017	18,463
Nevada	155	225	244	188	280	439	895	1,436	2,146
Pacific	16,474	21,377	26,888	20,939	25,507	42,321	100,106	160,595	259,193
Washington	3,548	5,363	6,452	4,860	7,059	11,063	21,357	42,030	71,429
Oregon	2,500	3,229	2,969	3,150	4,066	4,613	14,626	20,658	28,342
California	10,427	12,785	17,467	12,929	14,383	26,645	64,124	97,907	159,422

[1] Including estimates for incomplete reports.
[2] Chickens over 3 months old April 1, 1930.

Source: Bureau of the Census, Department of Commerce.

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No. 593.—POULTRY: Farm Prices and Receipts at Principal Markets

[Prices in cents per pound; receipts in thousands of pounds]

	1914–1920, average	1921–1925, average	1926–1930 average	1927	1928	1929	1930	1931
Chickens, average farm price	17.6	19.1	20.3	19.9	21.2	21.5	17.6	15.0
Turkeys, average farm price, Nov. 15	22.0	27.6	27.8	30.8	31.2	27.1	20.1	18.3
Dressed poultry, receipts:								
Boston		49,696	53,554	53,305	55,583	54,433	51,289	57,782
New York		155,266	194,666	188,117	194,376	197,057	200,885	218,911
Philadelphia		25,151	33,398	31,822	31,844	34,664	36,536	38,193
Chicago		77,895	76,414	63,735	67,180	93,368	80,153	71,475

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Chickens, average farm price:												
1930	19.8	20.4	20.6	21.1	20.0	19.0	17.4	17.3	17.8	17.4	16.1	15.3
1931	15.7	15.1	16.1	16.7	15.9	16.1	15.8	16.2	15.7	14.4	14.4	13.9
Receipts of poultry, 1930:												
Boston	4,270	3,992	2,815	2,544	3,193	3,514	3,401	2,952	3,154	3,875	8,270	9,309
New York	15,054	11,674	8,476	10,630	13,877	14,999	11,807	12,533	15,383	19,647	32,584	34,221
Philadelphia	3,041	2,501	2,207	1,991	2,388	2,117	1,794	1,772	2,166	3,046	5,607	7,906
Chicago	9,835	5,597	2,899	2,339	2,163	2,645	2,303	2,777	3,809	6,274	19,409	20,103
Receipts of poultry, 1931:												
Boston	4,840	4,565	3,846	2,976	2,559	3,216	3,476	3,635	3,787	4,434	9,698	10,750
New York	17,969	13,396	9,920	10,073	10,553	13,657	15,242	18,294	21,147	18,749	33,029	36,882
Philadelphia	2,384	2,179	2,863	1,754	1,560	2,509	2,729	2,875	2,555	2,524	6,018	8,243
Chicago	7,770	4,529	3,563	2,320	2,309	2,501	3,130	3,673	4,642	4,397	14,203	18,438

No. 594.—EGGS: Prices, Receipts at Principal Markets, and Storage

[Prices in cents per dozen: receipts and storage in thousands of cases]

	1910–1914, average	1921–1925, average	1926–1930, average	1930	1931
Average farm price	22	31	28	23	17
Wholesale prices:					
Western firsts, Boston	25	37	34	29	22
Fresh firsts, New York	25	37	33	28	22
Western extra firsts, Philadelphia	26	40	37	33	25
Fresh firsts, Chicago	22	34	32	27	20
Fresh extras, San Francisco	32	41	34	31	25
Average export value	22	29	29	27	23

	1921–1925, average	1926–1930, average	1930	1931
Receipts:				
Boston	1,880	1,763	1,573	1,636
New York	6,799	7,176	7,595	7,601
Philadelphia	1,648	1,661	1,759	1,730
Chicago	4,605	4,590	4,475	4,314
San Francisco	801	756	765	758
Total cold-storage holdings:				
July 31	9,513	10,249	11,198	9,504
Dec. 31	1,372	1,394	1,894	1,475

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Average farm price:												
1929	33	32	28	23	24	26	27	30	34	38	44	46
1930	38	32	21	22	20	19	19	21	25	26	32	27
1931	22	14	17	16	13	14	15	17	19	23	26	26
Wholesale price, fresh firsts, New York:												
1930	42	35	26	27	23	24	22	25	25	26	31	29
1931	24	20	22	20	19	19	20	22	24	24	28	27
Receipts, 1930:												
Boston	96	112	209	227	208	175	138	102	82	66	68	90
New York	461	511	938	1,155	1,076	785	645	451	496	373	322	382
Philadelphia	100	112	204	244	261	178	145	94	114	91	86	130
Chicago	202	308	641	927	747	516	381	231	211	131	69	111
San Francisco	59	67	71	79	73	74	69	65	50	55	47	56
Receipts, 1931:												
Boston	126	153	198	207	219	188	125	108	95	77	62	78
New York	478	530	940	1,116	1,052	868	568	516	484	398	304	347
Philadelphia	133	148	189	205	184	186	141	132	124	92	97	99
Chicago	231	367	634	867	709	559	290	238	191	96	61	71
San Francisco	58	66	85	83	72	61	56	59	49	59	54	56

Source of Tables 593 and 594: Bureau of Agricultural Economics, Department of Agriculture.

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No. 595.—COLD-STORAGE HOLDINGS OF ANIMAL PRODUCTS AND FROZEN FISH

NOTE.—All figures are in thousands of pounds, except cases of eggs and total meats, which are in thousands of 30-dozen cases and millions of pounds, respectively. Quantities are net weights and are as of 1st of each month. Beef and pork figures include frozen, cured, and in process of cure

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Creamery butter:												
1927	34,347	17,952	7,952	3,044	3,436	25,404	89,996	145,147	163,701	147,396	118,679	83,224
1928	46,289	28,273	14,404	5,716	5,109	15,952	69,750	120,437	136,175	128,071	105,811	70,985
1929	43,783	24,747	11,910	5,532	5,883	28,369	91,962	151,621	168,952	158,541	138,405	111,650
1930	81,935	60,230	46,530	30,556	22,957	50,378	106,522	145,061	143,089	131,489	109,646	88,012
1931	63,401	46,792	30,672	18,010	17,195	35,155	89,172	115,121	104,678	80,152	56,229	42,242
American cheese:												
1927	54,596	46,026	39,382	35,193	32,487	35,826	49,999	67,091	69,749	65,453	59,035	53,447
1928	47,765	41,793	36,710	31,887	30,207	36,716	53,646	73,088	83,906	81,833	82,318	74,325
1929	68,075	57,764	49,546	45,105	42,032	47,641	62,737	79,907	86,558	84,815	78,058	71,065
1930	63,478	53,672	47,818	41,922	39,324	49,172	70,186	88,749	87,221	85,076	78,919	71,132
1931	63,326	54,499	47,968	41,836	40,542	42,461	58,144	68,532	68,874	65,802	63,968	60,583
All varieties of cheese:												
1927	72,055	62,136	54,072	47,840	45,616	50,864	67,216	87,937	90,204	85,131	77,603	70,735
1928	64,035	55,862	48,784	43,303	41,791	48,990	68,613	89,708	101,498	98,339	97,421	89,970
1929	85,730	74,016	63,968	58,153	54,618	61,097	79,724	98,070	106,009	102,849	94,879	86,949
1930	80,623	69,223	61,891	55,343	53,025	68,127	90,421	108,899	107,219	103,691	96,393	87,171
1931	79,015	69,471	61,841	54,270	53,172	55,939	72,977	84,103	86,418	83,426	81,743	78,565
Case eggs:												
1927	1,096	253	92	1,868	5,501	8,962	10,565	10,746	9,650	7,960	5,485	2,956
1928	882	26	66	1,087	4,515	8,168	10,002	10,496	9,944	8,542	6,247	3,542
1929	1,415	248	11	559	3,952	6,705	8,510	8,962	8,547	7,195	4,930	2,631
1930	704	139	84	2,231	5,766	9,178	10,743	11,198	10,375	9,174	6,785	4,154
1931	1,894	735	408	1,893	5,162	7,887	9,507	9,504	9,016	7,960	5,745	3,447
Frozen eggs:												
1927	33,593	31,207	26,053	33,272	52,053	71,605	81,263	81,418	77,508	71,208	62,066	54,703
1928	47,020	38,575	31,362	34,411	51,532	67,941	77,744	81,670	89,196	82,255	73,327	64,201
1929	56,181	48,055	38,250	34,918	51,825	71,560	84,766	91,488	86,693	81,541	70,331	61,772
1930	53,644	44,080	35,192	49,751	76,664	106,904	115,134	116,272	113,138	106,631	98,359	89,571
1931	83,184	75,685	73,889	78,051	91,517	106,607	113,513	114,700	110,271	103,302	94,816	86,407
Frozen poultry:												
1927	144,497	145,076	129,510	104,697	77,282	61,525	50,064	42,293	39,711	43,201	52,315	85,030
1928	117,490	118,154	103,494	83,169	56,832	43,872	38,230	40,395	40,749	43,578	58,093	79,173
1929	109,684	102,380	89,088	68,728	52,901	41,643	42,001	40,896	49,010	61,976	86,873	115,876
1930	140,723	141,552	133,172	105,708	77,420	61,167	54,253	46,967	42,589	46,938	59,269	82,923
1931	104,913	101,307	95,188	69,986	45,920	35,348	32,762	36,438	43,056	56,215	65,668	89,971
Beef:												
1927	100,873	95,254	88,020	77,159	62,928	50,413	43,756	35,722	33,446	35,878	43,916	65,343
1928	76,947	71,651	63,749	57,256	46,194	37,212	32,238	32,442	31,065	37,223	58,036	79,633
1929	98,913	93,990	88,771	81,607	70,714	57,315	52,055	45,930	48,014	56,434	72,059	93,444
1930	103,883	99,020	95,598	88,743	80,620	71,556	66,891	64,591	59,755	60,023	63,862	73,392
1931	75,285	72,398	67,622	61,111	53,150	49,448	45,548	41,055	39,050	35,171	34,407	39,158
Pork:												
1927	472,757	589,071	671,674	738,446	770,212	787,850	844,275	841,271	766,418	608,767	467,119	419,822
1928	523,425	655,638	885,916	997,737	960,672	919,366	915,360	819,185	682,015	515,087	433,160	461,762
1929	670,039	838,280	944,742	921,961	923,558	870,785	841,937	814,354	719,400	600,498	491,402	489,629
1930	620,986	687,106	785,564	752,996	711,700	675,167	679,221	651,444	550,959	447,427	356,806	411,704
1931	521,192	726,264	853,408	843,671	867,524	827,751	774,651	711,811	595,063	474,887	380,895	396,563
All meats:												
1927	642	751	823	879	894	900	953	945	867	705	563	541
1928	666	796	1,025	1,133	1,079	1,023	1,013	917	772	604	548	607
1929	857	1,025	1,128	1,097	1,085	1,013	978	944	847	733	632	661
1930	820	880	977	933	881	835	839	811	699	592	497	566
1931	685	896	1,017	994	1,005	959	898	824	702	569	466	488
Lard:												
1927	49,992	69,576	77,103	92,069	99,611	111,976	147,318	179,136	167,018	118,174	72,121	46,154
1928	54,855	84,007	121,082	164,506	173,088	186,073	214,479	204,939	177,888	126,890	83,474	67,257
1929	85,217	140,526	173,864	179,428	184,748	183,490	199,699	203,010	180,085	153,690	99,845	68,517
1930	82,098	92,171	111,914	105,067	104,905	115,270	120,322	118,353	88,868	59,732	36,211	31,582
1931	51,434	62,624	74,977	78,249	95,693	103,366	115,561	121,926	96,047	69,296	39,766	34,824
Frozen fish: [1]												
1927	58,655	48,684	34,887	24,731	29,782	36,696	42,118	54,061	60,330	65,960	66,790	64,787
1928	53,921	44,877	34,528	26,473	26,513	40,946	53,140	66,170	71,352	73,410	77,677	78,090
1929	62,375	48,364	37,744	31,687	30,174	40,148	51,664	64,810	72,674	75,864	79,439	75,807
1930	62,417	49,012	35,581	25,357	34,139	47,632	64,877	78,993	85,358	88,603	91,872	85,323
1931	71,817	56,560	38,567	28,095	31,283	39,384	48,445	57,518	68,083	73,144	74,725	72,362

[1] Holdings of frozen fish are for the 15th of each month.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 596.—WOOL: Production, Imports, and Exports of the United States

NOTE.—**All figures in thousands of pounds.** Production, except Census data, is estimated and is for calendar years. Pulled wool is included beginning 1900 and was probably included for 1870 to 1899, though the exact basis of the estimates for these years is not known. Figures for 1839, 1849, and 1859 include only fleece. Exports and imports for 1839 are for the fiscal year ended Sept. 30; for 1849 and 1859, fiscal years ended June 30; subsequently, calendar years. Imports and foreign exports prior to 1914 and domestic exports include hair of the camel, Angora goat, alpaca, and other like animals

Yearly average or year	Production	Imports	Exports		Year	Production	Imports	Exports	
			U.S. production	Foreign				U.S. production	Foreign
1839	35,802	7,925	----	119	1903	287,450	173,594	384	3,267
1849	52,517	17,869	160	47	1904	291,783	186,573	184	2,165
1859	60,265	24,471	1,707	41	1905	295,488	246,821	72	4,278
1870	162,000	54,459	46	1,966	1906	298,915	196,844	351	4,412
1871–1880	186,275	67,789	158	4,099	1907	298,295	188,306	86	3,109
1881–1890	280,700	95,747	325	4,196	1908	311,138	142,559	169	6,985
1891–1895	309,409	156,736	1,596	3,726	1909	328,111	312,131	46	1,084
1896–1900	271,835	172,448	2,712	5,965	1910	321,363	180,135	[2] 48	9,055
1901–1905	298,713	181,649	237	3,250	1911	318,548	155,923	([3])	3,511
1906–1910	311,564	203,995	140	4,929	1912	304,043	238,118	([3])	1,816
1911–1915	298,937	240,993	[1] 2,857	3,522	1913	296,175	151,814	[2] 77	3,860
1916–1920	292,205	399,980	3,568	4,276	1914	290,192	256,501	[2] 335	6,342
1921–1925	282,606	334,158	699	12,779	1915	285,726	402,611	[2] 8,158	2,081
1926–1930	364,097	248,762	300	6,664	1916	288,490	442,650	3,919	2,128
1889	265,000	128,683	301	3,888	1917	281,892	416,137	1,827	1,272
1890	276,000	108,681	223	2,790	1918	298,870	447,426	407	452
1891	285,000	139,318	122	2,720	1919	298,258	438,782	2,840	5,134
1892	294,000	167,784	230	3,315	1920	293,517	254,905	8,845	12,393
1893	348,538	111,752	229	6,778	1921	289,965	316,605	1,927	1,552
1894	325,211	115,837	1,694	2,801	1922	270,109	366,538	453	4,225
1895	294,297	248,989	5,707	3,015	1923	272,395	388,345	535	23,557
1896	272,475	159,776	8,483	6,512	1924	280,931	262,655	309	27,476
1897	259,153	356,839	1,055	2,184	1925	299,632	336,646	273	7,087
1898	266,721	99,850	91	4,592	1926	318,500	299,451	292	14,082
1899	272,191	105,868	3,511	13,492	1927	340,009	264,507	323	10,710
1900	288,637	139,908	422	3,046	1928	366,488	240,360	485	4,435
1901	302,502	124,964	97	3,326	1929	382,066	277,214	239	2,380
1902	316,341	176,293	446	3,212	1930	413,421	162,482	162	1,715
					1931	435,415	157,800	274	1,089

[1] Average for fiscal years 1913 to 1915.
[2] Exports for fiscal years ended June 30 of the year shown; calendar year data not available.
[3] Not reported separately in 1911; no exports in 1912.

Source: Production, 1839, 1849, 1859, Bureau of the Census; other years, reports of the Department of Agriculture; imports and exports, Bureau of Foreign and Domestic Commerce.

No. 597.—WOOL: Prices, Value of Imports, and Receipts at Boston

	1910–1913, average	1914–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930	1931
Prices (cents per pound):								
Average United States farm price, unwashed	18	38	32	30	37	31	20	14
Ohio and Pennsylvania, fine clothing, unwashed, at Boston	23	46	44	35	38	34	24	21
Territory, fine staple scoured, at Boston	60	127	126	103	116	98	76	63
Value of United States imports (thous. of dollars):								
Clothing [1]	15,659	140,084	17,137	6,050	8,051	6,966	3,841	1,528
Combing [1]	3,994	5,901	53,317	36,231	31,729	31,901	13,343	6,140
Carpet	13,540	25,380	29,675	34,300	37,947	46,988	18,993	14,354
Receipts at Boston (thousands of pounds):								
Total	290,150	424,336	364,125	322,111	300,923	305,397	312,758	300,087
Domestic	206,047	184,380	162,099	210,240	210,552	206,946	246,245	253,796
Foreign	84,103	239,956	202,026	111,871	90,372	98,451	66,513	46,291

[1] Owing to changes in tariff laws in 1922 much wool which was formerly brought in as "clothing" now comes in under "combing" classification.

Sources: Prices and receipts, Bureau of Agricultural Economics, Department of Agriculture; imports, Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 598.—WOOL: Estimated Production and Weight Per Fleece

Note.—Only States with a production in 1931 of over 2,500,000 pounds are shown separately

Division and State	1924	1925	1926	1927	1928	1929	1930	1931	Average weight per fleece [1] (pounds) 1931
United States	237,131	252,332	268,900	289,909	314,588	327,566	351,521	369,315	8.0
New York	2,708	2,898	3,081	3,212	3,096	3,096	3,110	3,008	7.3
Pennsylvania	2,006	2,805	2,730	2,730	2,898	2,982	3,108	3,248	7.5
Ohio	14,167	14,467	14,760	15,662	14,776	14,661	15,066	15,453	8.5
Indiana	3,391	3,562	3,715	3,922	4,402	4,500	4,752	4,980	7.4
Illinois	3,381	3,352	3,794	4,186	4,166	4,514	4,815	4,797	7.4
Michigan	6,880	7,416	7,600	8,446	8,774	8,480	8,400	8,526	8.4
Wisconsin	2,109	2,250	2,475	2,774	2,888	2,888	3,225	3,102	7.3
Minnesota	2,886	3,151	3,634	4,211	4,700	5,372	6,115	6,435	7.8
Iowa	5,360	5,440	5,520	5,880	6,320	6,800	7,640	7,920	8.0
Missouri	5,605	5,537	5,500	5,505	5,686	6,699	6,865	7,304	6.7
North Dakota	1,853	2,263	2,772	3,654	4,250	5,287	6,264	7,012	8.5
South Dakota	4,312	4,446	4,772	5,418	6,149	7,003	7,794	8,820	8.4
Nebraska	1,977	2,114	2,334	2,400	2,544	2,685	3,000	2,786	7.3
Kansas	1,589	2,028	2,183	2,393	2,710	3,172	3,365	3,243	6.8
West Virginia	2,236	2,272	2,205	2,263	2,646	2,798	2,844	3,021	5.3
Kentucky	2,880	3,125	3,278	3,658	3,807	3,901	4,175	4,080	5.1
Texas	25,486	27,056	28,900	34,725	40,120	46,779	48,262	53,360	7.8
Montana	19,522	20,158	23,051	24,693	26,970	31,122	34,034	35,948	9.5
Idaho	15,385	15,438	15,798	15,555	17,425	18,156	18,156	19,419	9.1
Wyoming	19,090	22,500	22,338	26,460	27,900	26,502	29,702	34,560	9.6
Colorado	6,486	6,956	8,132	8,877	11,300	12,269	13,446	13,541	7.8
New Mexico	11,224	12,033	13,084	14,023	14,824	15,230	16,870	16,632	6.6
Arizona	6,448	6,252	6,283	6,200	5,978	5,820	5,640	5,760	6.0
Utah	17,970	18,438	20,093	20,915	23,064	20,655	24,440	23,056	8.8
Nevada	7,597	7,560	8,508	8,015	8,923	7,777	7,944	8,720	8.0
Washington	4,481	4,750	4,998	5,233	5,635	5,485	6,175	6,336	9.6
Oregon	15,840	16,958	18,321	18,128	20,332	19,531	21,375	22,000	8.8
California	18,250	21,572	22,657	23,996	25,084	25,730	26,989	28,004	7.2
Other States	6,012	6,035	6,384	6,775	7,221	7,672	7,950	8,244	5.0
Pulled wool [2]	43,800	46,800	49,600	50,100	51,900	54,500	61,900	66,100	----

[1] In States where sheep are shorn twice a year figures cover wool per head of sheep shorn.
[2] Estimated from returns of plants pulling from 80 to 90 per cent of all wool.

No. 599.—WOOL CONSUMED IN MANUFACTURES: 1927 to 1931

Note.—**All figures in thousands of pounds.** These figures do not include the consumption of one large and several small concerns. The grease equivalent of the totals shown below is as follows: 1927, 551,528,052; 1928, 538,354,229; 1929, 585,558,000; 1930, 430,104,000; 1931, 513,743,000

Class and grade	Total					1931		
	1927	1928	1929	1930	1931	Grease	Scoured	Pulled
Total	477,118	465,018	516,113	377,790	459,813	386,536	44,256	29,021
Domestic	257,104	271,215	283,622	233,759	319,746	258,938	36,442	24,366
Foreign	220,014	193,803	232,491	144,031	140,067	127,598	7,814	4,655
Combing:								
Domestic	186,815	200,152	219,706	186,989	269,613	252,356	6,295	10,962
Foreign	80,480	48,859	65,607	52,770	33,317	30,564	2,463	290
Clothing:								
Domestic	70,289	71,063	63,916	46,761	50,133	6,582	30,147	13,404
Foreign	10,616	9,117	10,782	6,398	6,154	2,420	2,991	743
Clothing and combing combined:								
Fine	120,153	118,099	142,278	135,212	155,058	140,878	8,797	5,383
One-half blood	56,269	61,535	64,285	54,726	70,238	55,654	7,830	6,754
Three-eighths blood	67,322	63,018	65,896	43,242	64,241	44,377	11,250	8,614
One-fourth blood	67,947	61,273	58,181	39,733	48,036	35,160	9,888	2,988
Low or Lincoln	36,509	25,266	29,371	20,015	21,644	15,853	4,131	1,660
Carpet	128,918	135,827	156,102	84,862	100,596	94,614	2,360	3,622

Sources: Table 598, Bureau of Agricultural Economics, Department of Agriculture; Table 599, Bureau of the Census, Department of Commerce.

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No. 600.—ANIMAL FOOD MANUFACTURING INDUSTRIES: CENSUS STATISTICS OF MATERIALS AND PRODUCTS

Industry and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
BUTTER, CHEESE, AND CONDENSED MILK							
Butter, cheese, and condensed milk industries, all products, total value					973,518	1,057,545	1,066,172
Butter, cheese, condensed milk, etc.					913,908	1,000,452	1,024,893
Other products					59,610	57,093	41,279
Butter, cheese, condensed milk, etc., all industries [1]					922,796	1,011,740	1,039,550
Butter	Pound	1,455,625	1,564,227	1,617,344	636,749	695,625	706,449
Cheese, total	do	545,822	518,198	588,166	111,761	110,162	112,729
Cheese other than cottage, pot, and bakers'	do	494,773	449,444	487,200	107,529	104,220	103,291
Cottage, pot, and bakers'	do	51,050	68,754	100,826	4,232	5,942	9,432
Condensed and evaporated milk and buttermilk—							
Condensed milk, sweetened	do	430,698	378,687	532,727	38,745	34,251	42,917
Evaporated milk, unsweetened	do	1,287,695	1,605,573	1,642,214	103,859	129,866	126,202
Condensed and evaporated buttermilk	do	95,450	113,039	135,787	2,699	3,733	4,197
Powdered milk, cream, etc	do	111,632	183,336	288,592	11,967	19,737	24,480
Sugar of milk	do	6,126	5,406	7,102	890	644	686
Ice-cream mix	do	112,849	114,196	137,203	12,354	13,775	15,278
Dried casein	do	21,978	23,516	57,826	2,299	3,052	5,726
Other products	do	8,697	8,257	7,459	1,471	895	892
MEAT PACKING, WHOLESALE							
Animals slaughtered:							
Cattle	Number	10,854	10,725	9,548			
Calves	do	5,776	5,477	5,209			
Sheep and lambs	do	13,616	14,389	15,689			
Hogs	do	48,073	47,492	53,702			
All products, total value					3,050,286	3,057,216	3,434,654
Fresh meat:							
Beef	Pound	5,064,508	5,069,619	4,575,492	661,103	762,614	859,803
Veal	do	575,963	549,685	511,103	87,189	98,489	107,197
Mutton and lamb	do	521,993	547,473	601,719	128,213	130,283	145,416
Pork	do	2,827,926	3,110,253	3,571,277	516,469	517,863	603,537
Edible organs and other fresh meats	do	540,291	568,501	585,070	50,965	54,983	64,889
Cured meat:							
Beef	do	84,197	102,738	71,593	17,911	22,905	21,749
Pork	do	3,295,937	3,134,172	3,528,181	751,804	602,726	668,697
Cooked hams [2]	do	(2)	133,525	152,189	(3)	49,120	57,972
Canned meats and canned sausage	do	118,576	144,198	169,134	24,334	27,824	42,519
Sausage (not canned), meat puddings, head cheese, scrapple, etc.[4]	do	903,753	918,936	928,573	178,075	180,790	201,623
Sausage casings [4]	do	91,525	119,949	116,362	18,668	22,336	21,848
Lard	do	1,672,334	1,794,636	2,041,211	279,625	234,864	248,008
Cattle hides	do	621,381	616,714	533,201	80,797	99,218	79,913
Calf skins	do	56,092	53,581	50,574	11,069	11,160	10,289
Sheep and lamb pelts	Number	10,832	8,961	10,458	22,553	15,964	18,378
All other skins	Pound	1,054	3,242	5,861	101	324	443
Wool [5]	do	32,235	30,439	35,907	23,429	18,478	19,874
All other products					197,982	207,275	262,499

[1] Includes besides production in the butter, cheese, and condensed milk industries, data for similar products produced in establishments classified in other industries.

[2] Cooked hams are produced to some extent in other industries, but complete data are not available.

[3] Included in part in "pork cured" and in part in "all other products."

[4] Production by slaughtering and meat-packing establishments only. Value of total production of sausage (not canned), meat puddings, etc., in all industries in 1929 was $290,479,000; of sausage casings, $32,616,000.

[5] Wool detached from skins in meat-packing establishments only. For value of products of establishments engaged primarily in wool pulling, see p. 738.

Source: Bureau of the Census, Department of Commerce.

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28.—FARM CROPS AND FOODSTUFFS

[In general, data in this section other than on foreign trade relate to continental United States, while foreign trade statistics represent the trade of the customs area (see note, Table 476). Any exceptions are noted. For weights of the units of measurement for the principal products see Appendix, p. 808]

No. 601.—INDEX NUMBERS OF THE MASS OF CROP PRODUCTION

NOTE.—Average production of 1910–1914 equals 100. Production of wheat, corn, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton for each crop each year is multiplied by a constant price, and the aggregate is divided by the average aggregate of base years

Period or year	Production index	Year	Production index	Year	Production index	Year	Production index
1890–1894	62	1900	81	1911	91	1922	[1] 102
1895–1899	78	1901	74	1912	110	1923	[1] 101
1900–1904	84	1902	91	1913	95	1924	[1] 104
1905–1909	94	1903	84	1914	107	1925	[1] 106
1910–1914	100	1904	92	1915	116	1926	[1] 106
1915–1919	108	1905	94	1916	100	1927	[1] 107
1920–1925	103	1906	99	1917	108	1928	[1] 112
1926–1930	106	1907	89	1918	107	1929	[1] 105
1897	75	1908	94	1919	[1] 103	1930	[1] 99
1898	85	1909	94	1920	[1] 112	1931	[1] 107
1899	82	1910	97	1921	[1] 95		

[1] Production data revised to basis of decennial census.

No. 602.—INDEX NUMBERS OF CROP YIELDS

NOTE.—Index numbers each year prior to 1929 are relative to the average yield for the 10 preceding years; for 1929 to 1931, relative to the average of the years 1919–1928; data for the several States are weighted according to average crop values

Year	United States	North Atlantic	North Central	South Atlantic	South Central	Western
1914	102.3	109.3	99.4	105.1	103.1	102.6
1915	108.0	98.9	114.4	99.6	103.8	102.1
1916	95.1	108.9	92.6	102.9	88.0	97.7
1917	102.0	104.6	107.3	100.7	93.0	91.2
1918	97.6	101.2	103.6	100.3	83.6	85.3
1919	99.8	104.8	100.4	93.1	105.5	88.5
1920	106.9	107.9	109.8	100.4	107.4	96.9
1921	91.7	90.3	92.9	80.8	92.9	98.3
1922	96.7	104.1	103.0	84.4	89.9	95.5
1923	96.1	100.3	101.0	90.6	82.8	106.8
1924	98.1	107.3	102.7	88.4	97.6	86.2
1925	99.6	104.3	97.8	91.9	92.4	103.9
1926	104.6	105.1	91.9	108.4	121.5	103.2
1927	102.5	102.3	101.7	98.3	99.3	111.6
1928	103.5	102.1	106.1	97.2	99.1	109.7
1929	96.6	96.5	96.2	101.1	98.1	92.8
1930	91.7	100.0	88.9	101.2	82.5	103.4
1931	102.0	112.1	93.4	116.5	120.4	87.3

No. 603.—AVERAGE VALUE PER ACRE OF 10 LEADING CROPS COMBINED

NOTE.—Corn, wheat, oats, barley, rye, buckwheat, potatoes, hay, tobacco, and cotton. These comprise nearly 90 per cent of the area in all field crops, and their average value closely approximates the value per acre of the aggregate of all crops. The value is based on average farm price of Dec. 1

Period	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre	Year	Average crop value per acre
1871–1875	$14.05	1897	$9.07	1909	$16.00	1921	$13.43
1876–1880	11.89	1898	9.00	1910	15.53	1922	18.15
1881–1885	11.33	1899	9.13	1911	15.36	1923	20.42
1886–1890	9.97	1900	10.31	1912	16.09	1924	22.81
1891–1895	9.71	1901	11.43	1913	16.49	1925	20.62
1896–1900	9.09	1902	12.07	1914	16.44	1926	17.94
1901–1905	12.53	1903	12.62	1915	17.18	1927	19.85
1906–1910	15.01	1904	13.26	1916	22.58	1928	19.36
1911–1915	16.31	1905	13.28	1917	33.27	1929	19.14
1916–1920	29.00	1906	13.46	1918	33.73	1930	13.29
1921–1925	19.09	1907	14.74	1919	33.77	1931	9.50
1926–1930	17.92	1908	15.32	1920	21.63		

Source of Tables 601, 602, and 603: Bureau of Agricultural Economics, Department of Agriculture.

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No. 604.—ACREAGE OF 52 CROPS AND VALUE OF 75 CROPS: BY STATES

[Acres in thousands; value in thousands of dollars]

Division and State	Acreage of 52 crops			Value of 75 crops [1]		
	1929	1930	1931	1929	1930	1931
United States	357,827	359,927	350,672	8,088,494	5,818,849	4,122,850
New England	3,679	3,612	3,592	170,796	129,564	86,721
Maine	1,354	1,336	1,332	79,077	45,804	24,013
New Hampshire	392	383	377	9,447	8,997	6,667
Vermont	1,078	1,062	1,067	23,672	22,207	17,733
Massachusetts	440	425	421	28,862	24,787	19,382
Rhode Island	51	49	48	2,608	2,320	1,665
Connecticut	364	357	347	27,130	25,449	17,261
Middle Atlantic	13,737	13,494	13,409	431,723	392,519	283,928
New York	6,727	6,524	6,496	195,997	179,748	126,065
New Jersey	711	707	694	51,024	50,214	34,068
Pennsylvania	6,299	6,263	6,219	184,702	162,557	123,795
East North Central	55,138	55,444	56,191	1,212,107	938,942	669,938
Ohio	9,760	9,708	9,975	228,323	167,371	145,100
Indiana	10,088	10,264	10,572	201,512	153,970	109,649
Illinois	18,477	18,529	18,716	386,840	272,949	195,585
Michigan	7,307	7,371	7,444	169,884	145,755	97,826
Wisconsin	9,506	9,572	9,484	225,548	198,897	121,778
West North Central	138,333	140,018	131,647	2,050,457	1,435,044	896,463
Minnesota	18,274	18,376	18,703	311,976	231,340	146,761
Iowa	22,203	22,430	22,168	501,571	372,138	224,513
Missouri	12,960	13,197	13,366	226,008	148,872	126,958
North Dakota	21,724	21,287	15,624	188,758	121,507	52,484
South Dakota	17,682	18,220	14,850	186,572	116,662	41,728
Nebraska	21,345	21,908	21,880	328,350	244,589	140,946
Kansas	24,145	24,600	25,056	307,222	199,936	163,073
South Atlantic	29,057	29,110	29,493	1,005,319	798,817	549,517
Delaware	383	386	385	14,617	11,012	8,414
Maryland	1,691	1,673	1,672	62,590	41,072	39,480
Virginia	3,752	3,671	3,834	145,383	84,620	78,263
West Virginia	1,478	1,373	1,448	43,138	25,569	27,043
North Carolina	6,241	6,364	6,378	257,955	213,647	136,496
South Carolina	4,672	4,771	4,731	141,068	118,993	71,433
Georgia	9,461	9,453	9,558	228,978	179,422	101,898
Florida	1,379	1,419	1,487	111,590	124,482	86,485
East South Central	25,576	25,683	26,642	797,700	478,296	379,009
Kentucky	5,204	4,966	5,340	172,212	97,616	102,497
Tennessee	6,048	5,985	6,151	179,222	112,079	89,691
Alabama	7,568	7,945	8,143	194,099	139,392	88,908
Mississippi	6,756	6,787	7,008	252,167	129,209	97,913
West South Central	58,287	58,005	59,442	1,196,973	723,902	602,714
Arkansas	6,866	6,874	6,927	204,289	84,681	107,844
Louisiana	4,471	4,428	4,451	154,678	101,616	81,883
Oklahoma	15,552	14,938	15,622	242,316	126,613	108,328
Texas	31,398	31,765	32,442	595,690	410,992	304,659
Mountain	22,870	23,319	19,508	470,567	361,262	217,720
Montana	7,755	7,759	4,944	88,635	57,858	32,751
Idaho	3,024	3,012	2,851	99,610	74,959	49,076
Wyoming	1,993	2,044	1,784	33,159	26,951	16,967
Colorado	6,640	7,046	6,563	130,676	120,717	61,081
New Mexico	1,460	1,378	1,531	35,243	19,955	18,150
Arizona	483	516	480	39,990	27,443	16,516
Utah	1,122	1,171	1,115	33,263	26,873	20,027
Nevada	393	393	240	9,991	6,506	3,152
Pacific	11,150	11,242	10,748	752,852	560,503	436,840
Washington	3,442	3,479	3,575	143,368	102,141	76,070
Oregon	2,679	2,644	2,577	89,278	60,047	44,694
California	5,029	5,119	4,596	520,206	398,315	316,076

[1] Values are based on Dec. 1 prices or seasonal prices to December and differ from prices used in Table 563.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 605.—ACREAGE, PRODUCTION, AND VALUE OF ALL CROPS IN THE UNITED STATES: CENSUS STATISTICS, 1899 TO 1929

Crop	Acreage (thousands)				Production in thousands of units indicated					Value in thousands of dollars		
	1899	1909	1919	1929	Unit	1899	1909	1919	1929	1909	1919	1929
All Crops	283,149	311,195	[1] 348,549	[2] 361,945						5,231,851	14,754,978	8,077,812
Cereals	184,982	191,470	219,138	202,215	Bushel	4,438,857	4,513,398	4,682,784	4,390,013	2,666,084	6,943,836	3,170,692
Corn harvested for grain	94,914	98,383	87,772	83,161	do	2,666,324	2,552,190	2,345,833	2,130,752	1,438,554	3,507,797	1,635,910
Wheat	52,589	44,283	73,099	62,000	do	658,534	683,379	945,403	800,649	657,657	2,074,079	838,506
Oats threshed for grain	29,540	35,159	37,991	33,466	do	943,389	1,007,143	1,055,183	992,747	414,697	855,256	410,167
Barley	4,470	7,699	6,473	12,891	do	119,635	173,344	122,025	263,590	92,459	160,427	140,982
Rye	2,054	2,196	7,679	3,033	do	25,569	29,520	75,992	34,303	20,422	116,538	29,343
Buckwheat	807	878	743	622	do	11,234	14,849	12,690	8,359	9,331	19,715	8,023
Emmer and spelt		574	167	344	do		12,703	2,608	6,233	5,584	3,700	2,726
Sorghums harvested for grain [3]	267	1,708	3,726	3,522	do	5,169	18,431	73,654	49,080	11,361	92,524	32,640
Rice (rough)	342	610	911	741	do	9,003	21,839	35,331	33,469	16,020	97,195	32,933
Mixed grains			577	2,438	do			14,065	70,831		16,605	39,462
Other grains and seeds	4,075	5,084	4,597	13,318						96,964	273,765	234,194
Dry edible beans	454	803	1,162	1,746	Bushel	5,064	11,251	14,079	20,354	21,771	61,795	77,098
Soybeans		2	113	1,962	do		17	1,085	8,661	21	4,450	14,446
Other beans	26	13	[4] 2	[5] 89	do	143	163	50	2,115	220	126	3,663
Dry peas	968	1,305	866	1,031	do	9,440	7,129	5,743	6,555	10,964	20,791	14,810
Peanuts	517	870	1,125	1,559	do	11,964	19,416	27,450	36,588	18,272	62,752	28,433
Flaxseed	2,111	2,083	1,261	2,966	do	19,979	19,513	6,653	15,046	28,971	29,361	43,105
All clover seed				2,518	do	1,349	1,026	2,044	4,042	6,925	55,417	31,137
Alfalfa seed				525	do		263		989	2,052		11,314
Timothy seed				454	do		2,879	2,587	1,396	4,019	13,674	2,788
Millet seed				34	do	3,516	588	1,311	449	492	3,683	424
Other grass seed				346	do		1,915	1,909	1,831	1,650	8,070	2,881
Miscellaneous grains and seeds		8	68	88	do					1,607	13,646	4,095
Hay and forage, excluding corn cut for fodder	61,691	72,402	81,618	76,204	Ton [6]	79,252	97,755	128,549	121,025	826,401	2,316,116	1,186,206
Hay alone	58,584	68,227	72,780	67,828	do	71,113	87,216	90,356	85,281	776,068	1,953,149	988,437
Corn cut for fodder			14,503	6,264	do			17,794			206,935	
Vegetables	5,638	7,073	5,479	6,406						418,110	1,298,721	1,004,568
Potatoes (Irish or white)	2,939	3,669	3,252	2,944	Bushel	273,318	389,195	290,428	322,416	166,424	639,441	414,833
Sweet potatoes and yams	537	641	803	650	do	42,517	59,232	78,092	65,193	35,429	124,844	67,725
Other vegetables [7]	2,162	2,763	1,424	2,812						216,257	534,436	522,010
Sugar crops										59,253	162,439	86,903
Sugar cane, total [8]	387	477	373	291	Ton [6]	4,202	6,240	3,545		26,416	59,500	23,332
For sirup				96	Gal	12,293	21,634	21,241	15,169			12,071
For sugar				195	Ton [6]				2,992			11,261
Sorghums grown for sirup	293	326	482	136	Gal	16,973	16,532	21,523	8,294	7,963	24,506	7,341
Sugar beets for sugar	110	360	636	644	Ton [6]	793	3,902	5,993	7,135	19,695	66,052	51,037
Maple sirup and sugar										5,178	12,381	5,192

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Other crops	25,663	33,730	35,977	53,058						943,015	2,820,168	1,739,543
Tobacco	1,101	1,295	1,861	1,888	Pound	868,113	1,055,765	1,371,594	1,456,510	104,303	443,705	265,887
Cotton including cottonseed	24,275	32,044	33,740	43,228						824,696	2,355,169	1,458,435
Lint cotton					Bale [9]	9,535	10,649	11,376	14,574	703,619	2,007,430	1,248,663
Cottonseed (estimated)					Ton [6]	4,767	5,325	5,328	6,915	121,077	347,739	209,772
Broom corn	179	326	338	312	Pound	90,947	78,960	113,031	95,196	5,134	7,945	5,676
Hops	56	45	16	23	do	49,210	40,719	19,761	31,237	7,845	10,365	3,749
Miscellaneous crops	52	20	22	7,607						1,037	2,984	5,796
Small fruits	310	272	249	387	Quart	463,219	426,566	324,989	475,071	29,974	61,732	63,811
Strawberries	151	143	120	243	do	257,427	255,702	176,932	330,872	17,914	36,004	43,167
Raspberries	61	49	50	57	do	76,628	60,918	49,210	53,730	5,132	11,596	9,897
Loganberries			4	4	do			12,123	8,292		1,790	681
Blackberries and dewberries	50	49	46	44	do	62,190	55,344	39,945	38,583	3,910	7,118	4,361
Cranberries	20	18	17	12	do	31,601	38,243	35,260	30,393	1,756	3,198	3,783
Currants	13	8	7	3	do	18,593	10,449	7,615	4,689	790	1,422	644
Other berries	14	5	5	24	do	16,780	5,910	3,904	8,512	472	604	1,278
Orchard fruits										141,670	433,910	299,050
Apples					Bushel	175,398	145,412	136,561	126,433	83,231	241,574	158,947
Peaches					do	15,433	35,470	50,686	42,827	28,781	95,570	54,890
Pears					do	6,625	8,841	14,204	18,500	7,911	26,440	30,196
Plums and prunes					do	8,764	15,480	19,084	20,038	10,299	40,984	18,646
Cherries					do	2,873	4,126	3,946	4,067	7,231	14,166	17,004
Figs					Pound	12,995	35,060	26,877	133,645	804	2,812	6,628
Apricots					Bushel	2,642	4,150	6,130	7,100	2,884	12,223	12,524
All other					do	630	494	71	145	529	141	215
Grapes					Pound	1,300,984	2,265,065	2,516,840	3,883,397	22,028	95,586	56,169
Subtropical fruits										23,903	112,057	217,447
Oranges [10]					Box	6,168	19,487	27,833	53,731	17,566	83,663	148,473
Lemons					do	877	2,770	6,585	9,338	2,994	19,102	43,219
Grapefruit (pomeloes)					do	31	1,189	3,656	8,722	2,061	7,177	22,732
All other										1,282	2,115	3,023
Nuts										4,448	29,714	19,230
Pecans					Pound	3,207	9,891	31,809	26,151	972	7,792	4,404
Walnuts (Persian or English)					do	10,668	22,027	59,840	78,160	2,297	17,916	12,489
Almonds					do	7,143	6,794	15,853	9,403	712	3,963	2,257
Coconuts					Number		17	613	1	1	43	[11]
All other					Pound	19,011	23,617		699	466		80

[1] Excluding 14,502,932 acres reported for corn cut for fodder, a large part of which is duplicated in the acreage shown for corn harvested as grain.
[2] Including land in fruit orchards, vineyards, and planted nut trees (6,086,176 acres) which was not reported in 1919; excluding acreage of annual legumes saved for hay (3,067,710 acres) which is practically all duplicated in the acreage shown for the various individual annual legumes grown alone.
[3] Published as "Kafir and milo" in 1919; figures include sorghum seed.
[4] Excluding velvet beans, the acreage of which was largely duplicated in the acreage shown for hay and forage.
[5] Including velvet beans only. [6] Tons of 2,000 pounds. [7] Including farm gardens, except acreage in 1919 and 1929 which is acreage of vegetables harvested for sale.
[8] Including the acreage and value of sugarcane for sugar or for sale to mills; does not include the acreage of sugarcane for seed and other purposes not specified.
[9] Running bales. [10] Including tangerines in 1919 and tangerines, mandarins, etc. in 1929. [11] Less than $500.

Source: Bureau of the Census, Department of Commerce.

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No. 606.—PRODUCTION OF PRINCIPAL AGRICULTURAL COMMODITIES

NOTE.—Data are for the crop or growth year. Blank lines indicate that data are not available. The weight of a bushel of wheat is 60 pounds, a bushel of corn, 56 pounds

Year	Corn	Wheat	Rice [1]	Sugar		Cotton [2]		Wool
				Beet	Cane	Running bales [3]	500-pound bales [4]	
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Thousands*	*Thousands*	*1,000 pounds*
1800			[5] 67,234			154	73	
1810			[5] 78,805			286	178	
1820			53,292			576	335	
1830			81,352			1,026	732	
1840	[6] 377,532	[6] 84,823	84,253		[6] 120,851	1,635	1,348	[6] 35,802
1850	[6] 592,071	[6] 100,486	102,776		[6] 247,577	2,454	2,136	[6] 52,517
1860	[6] 838,793	[6] 173,105	106,279		274,725	3,849	3,841	[6] 60,265
1865			10,246	[7] 896	20,680	2,269	2,094	142,000
1870	1,094,255	235,885	54,889		178,304	4,352	4,025	162,000
1875	1,321,069	292,136	83,861	[8] 224	172,480	4,632	4,303	181,000
1880	1,717,435	498,550	111,869	[7] 1,120	285,302	6,606	6,357	232,500
1882	1,617,025	504,185	99,985		318,746	6,950	6,833	272,000
1883	1,551,067	421,086	110,700	1,198	302,944	5,713	5,522	290,000
1884	1,795,528	512,765	109,562	2,134	225,962	5,682	5,477	300,000
1885	1,936,176	357,112	150,195	1,344	302,754	6,576	6,369	308,000
1886	1,665,441	457,218	155,670	1,792	191,282	6,505	6,315	302,000
1887	1,456,161	456,329	113,631	572	375,904	7,047	6,885	285,000
1888	1,987,790	415,868	124,733	4,168	344,756	6,938	6,924	269,000
1889	1,998,648	434,383	131,722	4,934	301,284	7,473	7,473	265,000
1890	1,460,406	378,097	136,800	7,748	497,170	8,653	8,562	276,000
1891	2,055,823	584,504	155,666	12,004	370,580	9,035	8,941	285,000
1892	1,713,688	527,987	237,547	27,084	498,456	6,700	6,658	294,000
1893	1,707,572	427,553	122,865	45,192	610,826	7,493	7,433	348,538
1894	1,339,680	516,485	109,821	45,006	729,394	9,901	10,026	325,211
1895	2,310,952	569,456	168,665	65,452	543,636	7,161	7,147	294,297
1896	2,503,484	544,193	96,886	84,080	644,176	8,533	8,516	272,475
1897	2,144,553	610,254	116,302	90,492	708,252	10,898	10,985	259,153
1898	2,261,119	772,163	136,991	72,736	568,788	11,189	11,435	266,721
1899	2,454,628	636,051	219,278	163,458	322,548	9,393	9,345	272,191
1900	2,505,148	602,708	253,139	172,164	623,772	10,102	10,123	288,637
1901	1,613,528	788,638	388,035	369,212	728,650	9,583	9,510	302,502
1902	2,619,499	724,808	319,293	436,812	745,806	10,588	10,631	316,341
1903	2,346,897	663,923	560,750	481,208	556,140	9,820	9,851	287,450
1904	2,528,662	596,911	586,005	484,226	829,990	13,451	13,438	291,783
1905	2,748,949	726,819	377,975	625,842	781,204	10,495	10,575	295,488
1906	2,897,662	756,775	495,976	967,224	544,320	12,983	13,274	298,915
1907	2,512,065	637,981	520,504	927,256	788,480	11,058	11,107	298,295
1908	2,544,957	644,656	608,060	851,768	828,800	13,086	13,242	311,138
1909	2,572,336	700,434	572,421	1,024,938	663,452	10,073	10,005	328,111
1910	2,886,260	635,121	680,839	1,020,344	710,080	11,568	11,609	321,363
1911	2,531,488	621,338	637,061	1,199,000	721,748	15,553	15,693	318,548
1912	3,124,746	730,267	695,959	1,385,112	325,147	13,489	13,703	304,043
1913	2,446,988	763,380	715,117	1,466,802	601,075	13,983	14,156	296,175
1914	2,672,804	891,017	656,922	1,444,108	493,240	15,906	16,135	290,192
1915	2,994,793	1,025,801	804,090	1,748,440	277,240	11,068	11,192	285,726
1916	2,566,927	636,318	1,135,037	1,641,314	621,799	11,364	11,450	288,490
1917	3,065,233	636,655	964,980	1,530,414	491,680	11,248	11,302	281,892
1918	2,502,665	921,438	1,072,397	1,521,900	568,800	11,906	12,041	298,870
1919	2,648,826	952,097	1,166,259	1,452,902	244,250	11,326	11,421	298,258
1920	3,049,317	843,309	1,446,289	2,178,000	352,228	13,271	13,440	293,517
1921	2,912,091	818,964	1,044,786	2,041,000	655,399	7,978	7,954	289,965
1922	2,688,531	846,673	1,150,148	1,350,000	591,470	9,729	9,755	270,109
1923	2,860,438	759,506	936,591	1,762,000	329,646	10,171	10,140	272,395
1924	2,305,196	840,091	894,618	2,180,000	[9] 176,965	13,639	13,628	280,931
1925	2,853,183	668,982	923,591	1,826,000	[9] 278,763	16,123	16,104	299,632
1926	2,574,602	833,544	1,179,926	1,794,000	[9] 94,332	17,755	17,977	318,500
1927	2,677,742	874,633	1,243,177	2,186,000	[9] 141,587	12,783	12,955	340,009
1928	2,714,591	926,130	1,206,676	2,122,000	[9] 264,107	14,297	14,478	366,488
1929	2,535,386	812,573	1,127,898	2,036,000	[9] 399,217	14,548	14,828	382,066
1930	2,060,185	858,160	1,230,538	2,416,000	[9] 367,387	13,756	13,932	413,421
1931 (prel.)	2,556,863	892,271	1,250,399	2,234,000	[9] 311,850	16,629	17,096	369,315

[1] In terms of cleaned. Figures for 1800 to 1903 represents commercial movement, as given by Dan Talmage's Sons Co.
[2] Figures for the years 1810 to 1898 include linters excluded in subsequent years.
[3] Counting round as half bales.
[4] Equivalent 500-pound bales, gross weight.
[5] Exports.
[6] Census figures for the previous year.
[7] Mean annual production not exceeding quantity stated.
[8] Production uncertain; not exceeding quantity stated.
[9] Louisiana only.

Sources: Cotton, 1899 to date, Bureau of the Census, Department of Commerce; other figures, Bureau of Agricultural Economics, Department of Agriculture, except as noted.

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No. 607.—ACREAGE, PRODUCTION, AND VALUE OF PRINCIPAL CROPS: ESTIMATES OF THE DEPARTMENT OF AGRICULTURE

NOTE.—Tons are of 2,000 pounds. For weights of the units of measurement for principal products, see Appendix, p. 808. The approximate weights of units of measurements for other products are as follows: Number of pounds to a bushel—sweetpotatoes, 54; grain sorghums, 56; clover seed, 60. Number of pounds to a barrel of cranberries, 100. Prices and yields for the periods are weighted averages except for cotton and cottonseed which are simple averages of prices and yields for the individual years. Figures for 1930 are preliminary

Yearly average or year	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1
	Corn					Wheat				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	37,216	969,948	454,535	26.1	46.9	20,470	244,672	257,587	12.0	105.3
1876–1885	61,671	1,564,992	617,780	25.4	39.5	34,433	425,054	391,105	12.3	92.0
1886–1895	74,274	1,769,616	648,785	23.8	36.7	37,500	476,788	321,071	12.7	67.3
1896–1900	90,589	2,373,786	669,420	26.2	28.2	48,989	633,074	415,922	12.9	65.7
1901–1905	93,545	2,371,507	1,046,632	25.4	44.1	50,194	700,220	501,277	14.0	71.6
1906–1910	97,327	2,682,656	1,367,068	27.6	51.0	45,766	674,993	579,535	14.7	85.9
1911–1915	105,672	2,754,164	1,644,511	26.1	59.7	51,910	806,361	705,890	15.5	87.5
1916–1920	104,970	2,766,594	3,035,191	26.4	109.7	58,529	797,963	1,483,353	13.6	185.9
1921–1925	101,037	2,723,888	1,831,765	27.0	67.2	57,557	786,843	862,218	13.7	109.6
1926–1930	99,339	2,512,501	1,780,740	25.3	70.9	59,912	861,008	849,613	14.4	98.7
1915	106,197	2,994,793	1,722,680	28.2	57.5	60,469	1,025,801	942,303	17.0	91.9
1916	105,296	2,566,927	2,280,729	24.4	88.9	52,316	636,318	1,019,968	12.2	160.3
1917	116,730	3,065,233	3,920,228	26.3	127.9	45,089	636,655	1,278,112	14.1	200.8
1918	104,467	2,502,665	3,416,240	24.0	136.5	59,181	921,438	1,881,826	15.6	204.2
1919	97,407	2,648,826	3,558,193	27.2	134.3	73,700	952,097	2,028,518	12.9	213.1
1920	100,950	3,049,317	2,000,567	30.2	65.6	62,358	843,309	1,208,339	13.5	143.3
1921	102,798	2,912,091	1,201,472	28.3	41.3	64,566	818,964	739,893	12.7	90.3
1922	99,835	2,688,531	1,748,472	26.9	65.0	61,397	846,673	837,470	13.8	98.9
1923	100,801	2,860,438	2,041,984	28.4	71.4	56,920	759,506	694,363	13.3	91.4
1924	100,420	2,305,196	2,255,018	23.0	97.8	52,460	840,091	1,099,262	16.0	130.9
1925	101,331	2,853,183	1,911,881	28.2	67.0	52,441	668,982	940,101	12.8	140.5
1926	99,452	2,574,602	1,643,276	25.9	63.8	56,815	833,544	1,006,345	14.7	120.7
1927	98,357	2,677,742	1,923,512	27.2	71.8	59,628	874,633	977,406	14.7	111.8
1928	100,336	2,714,591	2,024,860	27.1	74.6	59,309	926,130	908,084	15.6	98.1
1929	97,806	2,535,386	1,962,832	25.9	77.4	62,671	812,573	841,385	13.0	103.5
1930	100,743	2,060,185	1,349,218	20.4	65.5	61,138	858,160	514,847	14.0	60.0
1931	104,970	2,556,863	920,142	24.4	36.0	54,949	892,271	395,600	16.2	44.3
	Oats					Rye				
1866–1875	9,680	272,993	102,423	28.2	37.5	1,347	18,267	14,559	13.6	79.7
1876–1885	17,143	469,856	152,594	27.4	32.5	1,892	24,625	15,540	13.0	63.1
1886–1895	27,482	717,266	207,143	26.1	28.9	2,188	27,975	15,278	12.8	54.6
1896–1900	29,319	850,734	195,750	29.0	23.0	2,074	31,272	14,142	15.1	45.2
1901–1905	30,953	960,080	310,961	31.0	32.4	2,077	33,064	19,091	15.9	57.7
1906–1910	34,741	989,171	386,508	28.5	39.1	2,182	35,617	24,723	16.3	69.4
1911–1915	38,703	1,230,499	473,133	31.8	38.5	2,494	41,399	31,903	16.6	77.1
1916–1920	42,351	1,387,013	848,705	32.8	61.2	5,170	68,097	96,139	13.2	141.2
1921–1925	42,433	1,250,707	492,845	29.5	39.4	4,805	63,553	47,600	13.2	74.9
1926–1930	40,229	1,189,663	468,252	29.6	39.4	3,311	40,522	29,883	12.1	73.7
1915	40,996	1,549,030	559,506	37.8	36.1	3,129	54,050	45,083	17.3	83.4
1916	41,527	1,251,837	655,928	30.1	52.4	3,213	48,862	59,676	15.2	122.1
1917	43,553	1,592,740	1,061,474	36.6	66.6	4,317	62,933	104,447	14.6	166.0
1918	44,349	1,538,124	1,090,322	34.7	70.9	6,391	91,041	138,038	14.2	151.6
1919	39,599	1,106,426	777,064	27.9	70.2	7,129	75,308	100,206	10.6	133.1
1920	42,726	1,445,936	658,737	33.8	45.6	4,799	62,342	78,329	13.0	125.6
1921	45,537	1,045,174	311,268	23.0	29.8	4,824	61,070	41,644	12.7	68.2
1922	40,324	1,147,720	447,277	28.5	39.0	6,757	104,700	70,777	15.5	67.6
1923	40,245	1,227,139	500,282	30.5	40.8	4,858	53,870	33,335	11.1	61.9
1924	41,811	1,423,317	677,550	34.0	47.6	3,868	57,672	61,282	14.9	106.3
1925	44,250	1,410,184	527,847	31.9	37.4	3,717	40,451	30,961	10.9	76.5
1926	42,861	1,141,945	447,710	26.6	39.2	3,350	32,884	26,937	9.8	81.9
1927	40,326	1,092,550	484,253	27.1	44.3	3,380	51,840	43,687	15.3	84.3
1928	40,079	1,317,640	530,587	32.9	40.3	3,232	37,556	31,687	11.6	84.4
1929	38,148	1,118,414	475,998	29.3	42.6	3,054	34,950	29,685	11.4	84.9
1930	39,729	1,277,764	402,713	32.2	31.5	3,543	45,379	17,419	12.8	38.4
1931	39,722	1,112,142	256,483	28.0	23.1	3,143	32,746	12,673	10.4	38.7

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No. 607.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1	Area	Production	Farm value, Dec. 1	Yield per acre	Farm price, Dec. 1
	Barley					Buckwheat				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	1,196	26,992	21,382	22.6	79.2	730	13,369	9,735	18.3	72.8
1876–1885	2,102	47,029	28,687	22.4	61.0	799	11,616	7,510	14.5	64.7
1886–1895	3,490	79,646	37,464	22.8	47.0	879	12,854	7,031	14.6	54.7
1896–1900	4,315	103,038	37,908	23.9	36.8	821	14,367	6,720	17.5	46.8
1901–1905	5,520	150,046	64,820	27.2	43.2	859	15,670	9,343	18.2	59.6
1906–1910	7,281	181,788	99,631	25.0	54.8	859	16,543	11,313	19.3	68.4
1911–1915	7,474	197,211	114,389	26.4	58.0	808	16,514	12,127	20.4	73.4
1916–1920	8,089	190,583	183,670	23.6	96.4	841	13,768	20,011	16.4	145.3
1921–1925	7,162	160,394	91,516	22.4	57.1	707	12,053	10,942	17.0	90.8
1926–1930	11,231	264,139	141,585	23.5	53.6	663	9,914	8,663	15.0	87.4
1915	7,148	228,851	118,172	32.0	51.6	769	15,056	11,843	19.6	78.7
1916	7,757	182,309	160,646	23.5	88.1	828	11,662	13,147	14.1	112.7
1917	8,933	211,759	240,758	23.7	113.7	924	16,022	25,631	17.3	160.0
1918	9,740	256,225	234,942	26.3	91.7	1,027	16,905	28,142	16.5	166.5
1919	6,579	131,088	159,258	19.9	121.5	713	12,327	17,984	17.3	145.9
1920	7,438	171,533	122,746	23.1	71.6	714	11,924	15,153	16.7	127.1
1921	7,073	130,747	55,059	18.5	42.1	638	11,777	9,532	18.5	80.9
1922	6,599	153,771	80,792	23.3	52.5	728	11,776	10,385	16.2	88.2
1923	7,150	158,967	85,089	22.2	53.5	692	11,662	10,870	16.9	93.2
1924	6,910	165,814	123,830	24.0	74.7	737	12,508	12,806	17.0	102.4
1925	8,076	192,671	112,809	23.9	58.6	742	12,540	11,116	16.9	88.6
1926	7,840	163,712	93,510	20.9	57.1	683	11,079	9,764	16.2	88.1
1927	9,419	240,993	162,741	25.6	67.5	758	12,766	10,583	16.8	82.9
1928	12,710	331,148	180,980	26.1	54.7	672	10,069	8,727	15.0	86.7
1929	13,523	280,242	152,334	20.7	54.4	627	8,692	8,426	13.9	96.9
1930	12,662	304,601	118,359	24.1	38.9	573	6,962	5,814	12.2	83.5
1931	11,471	198,965	70,119	17.3	35.2	502	8,875	3,765	17.7	42.4
	Rice (rough)					Flaxseed				
1906–1910	638	20,720	16,598	32.5	80.1	2,520	21,930	28,151	8.7	128.4
1911–1915	749	25,266	22,370	33.7	88.5	2,186	18,615	26,120	8.5	140.3
1916–1920	1,074	41,651	70,036	38.8	168.1	1,662	10,900	31,432	6.6	288.4
1921–1925	921	35,638	41,460	38.7	116.3	2,166	17,753	38,121	8.2	214.7
1926–1930	962	43,115	40,379	44.8	93.7	2,978	20,002	39,255	6.7	196.3
1915	803	28,947	26,212	36.1	90.6	1,387	14,030	24,410	10.1	174.0
1916	869	40,861	36,311	47.0	88.9	1,474	14,296	35,541	9.7	248.6
1917	981	34,739	65,879	35.4	189.6	1,984	9,164	27,182	4.6	296.6
1918	1,119	38,606	74,042	34.5	191.8	1,910	13,369	45,470	7.0	340.1
1919	1,063	41,985	111,913	39.5	266.6	1,293	6,770	29,673	5.2	438.3
1920	1,336	52,066	62,036	39.0	119.1	1,647	10,900	19,296	6.6	177.0
1921	921	37,612	35,802	40.8	95.2	1,143	8,107	11,771	7.1	145.2
1922	1,055	41,405	38,562	39.2	93.1	1,113	10,520	22,277	9.5	211.8
1923	895	33,717	37,150	37.7	110.2	2,015	16,563	34,898	8.2	210.7
1924	850	32,206	44,644	37.9	138.6	3,535	31,237	71,048	8.8	227.4
1925	883	33,249	51,142	37.7	153.8	3,022	22,337	50,610	7.4	226.6
1926	1,034	42,477	46,544	41.1	109.6	2,736	18,537	35,987	6.8	194.1
1927	1,003	44,754	41,598	44.6	92.9	2,763	25,183	46,849	9.1	186.0
1928	956	43,440	38,456	45.4	88.5	2,611	19,140	38,515	7.3	201.2
1929	860	40,604	40,666	47.2	100.2	3,047	15,910	45,240	5.2	284.3
1930	959	44,299	34,631	46.2	78.2	3,732	21,240	29,684	5.7	139.8
1931	970	45,014	27,402	46.4	60.9	2,313	11,018	13,243	4.8	120.2

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No. 607.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Potatoes: Area	Potatoes: Production	Potatoes: Farm value Dec. 1	Potatoes: Yield per acre	Potatoes: Farm price Dec. 1	Sweetpotatoes: Area	Sweetpotatoes: Production	Sweetpotatoes: Farm value Dec. 1	Sweetpotatoes: Yield per acre	Sweetpotatoes: Farm price Dec. 1
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*
1866–1875	1,261	117,266	62,754	93.0	53.5					
1876–1885	1,998	162,229	82,085	81.2	50.6					
1886–1895	2,653	197,285	92,938	74.4	47.1					
1896–1900	2,911	237,916	96,250	81.7	40.5					
1901–1905	3,104	277,150	155,388	89.3	56.1	545	47,730	27,943	87.6	58.5
1906–1910	3,502	340,045	196,904	97.1	57.9	600	54,563	36,457	90.9	66.8
1911–1915	3,689	362,910	219,137	98.4	60.4	629	60,257	42,525	95.8	70.6
1916–1920	3,768	362,250	468,970	96.1	129.5	839	79,649	92,748	94.9	116.4
1921–1925	3,372	359,969	333,332	106.8	92.6	703	62,421	62,730	88.8	100.5
1926–1930	3,097	356,526	350,847	115.1	98.4	660	62,593	56,398	94.8	90.1
1915	3,734	359,721	221,992	96.3	61.7	731	75,639	46,980	103.5	62.1
1916	3,565	286,953	419,333	80.5	146.1	774	70,955	60,141	91.7	84.8
1917	4,384	442,108	542,774	100.8	122.8	919	83,822	92,916	91.2	110.8
1918	4,295	411,860	491,527	95.9	119.3	940	87,924	118,863	93.5	135.2
1919	3,295	298,975	472,289	90.7	158.0	792	78,422	104,746	99.0	133.6
1920	3,302	371,356	418,926	112.5	112.8	768	77,124	87,072	100.4	112.9
1921	3,598	327,365	353,803	91.0	108.1	819	73,958	65,204	90.3	88.2
1922	3,943	419,655	233,909	106.4	55.7	819	78,665	60,262	96.1	76.6
1923	3,384	367,534	278,251	108.6	75.7	675	64,041	62,831	94.9	98.1
1924	3,111	386,219	240,757	124.1	62.3	567	45,201	57,600	79.7	127.4
1925	2,825	299,072	559,939	105.9	187.2	637	50,241	67,752	78.9	134.9
1926	2,817	323,085	456,601	114.7	141.3	646	63,531	59,612	98.3	93.8
1927	3,177	370,423	352,375	116.6	95.1	724	71,156	58,856	98.3	82.7
1928	3,474	426,776	224,859	122.8	52.7	638	59,650	54,218	93.5	90.9
1929	2,978	329,134	423,896	110.5	128.8	646	64,963	60,982	100.6	93.9
1930	3,038	333,210	296,505	109.7	89.0	648	53,663	48,323	82.8	90.0
1931	3,382	376,248	161,264	111.3	42.9	778	62,904	36,132	80.9	57.4

Yearly average or year	Cotton (excluding linters) [1]: Area	Cotton (excluding linters) [1]: Production	Cotton (excluding linters) [1]: Farm value Dec. 1	Cotton (excluding linters) [1]: Yield per acre	Cotton (excluding linters) [1]: Farm price Dec. 1	Cottonseed [1]: Area	Cottonseed [1]: Production	Cottonseed [1]: Farm value Dec. 1	Cottonseed [1]: Yield per acre	Cottonseed [1]: Farm price Dec. 1
	1,000 acres	*1,000 bales*	*1,000 dollars*	*Lbs.*	*Cents per pound*		*1,000 short tons*	*1,000 dollars*		*Dolls. per ton*
1866–1875	8,810	3,250		176.2						
1876–1885	15,209	5,652	243,808	170.7	9.1		2,607			
1886–1895	19,421	7,637	260,415	176.9	7.7		3,645			
1896–1900	24,364	10,018	337,592	193.3	7.1		4,859			
1901–1905	27,865	10,801	485,560	184.8	9.0		5,185			
1906–1910	31,364	11,847	660,788	180.3	11.3		5,281			
1911–1915	35,132	14,176	709,629	192.0	10.2		6,317	128,439		21.15
1916–1920	34,856	11,931	1,464,088	163.2	24.9		5,312	301,439		57.76
1921–1925	37,616	11,518	1,276,329	144.2	22.4		5,114	168,271		33.44
1926–1930	44,690	14,834	1,086,340	158.5	14.9		6,592	185,693		28.75
1915	31,412	11,192	631,460	170.3	11.3		4,992	169,778		34.01
1916	34,985	11,450	1,122,295	156.6	19.6		5,113	285,408		55.82
1917	33,841	11,302	1,566,198	159.7	27.7		5,040	349,675		69.38
1918	36,008	12,041	1,663,633	159.6	27.6		5,360	348,239		64.97
1919	33,566	11,421	2,034,558	161.5	35.6		5,074	368,626		72.65
1920	35,878	13,440	933,658	178.4	13.9		5,971	155,246		26.00
1921	30,509	7,954	643,933	124.5	16.2		3,531	101,644		28.78
1922	33,036	9,755	1,160,968	141.2	23.8		4,336	154,664		35.67
1923	37,123	10,140	1,571,829	130.6	31.0		4,502	193,524		43.00
1924	41,360	13,628	1,540,884	157.4	22.6		6,051	196,155		32.42
1925	46,053	16,104	1,464,032	167.2	18.2		7,150	195,366		27.32
1926	47,087	17,977	982,736	182.6	10.9		7,989	149,281		18.69
1927	40,138	12,955	1,269,885	154.5	19.6		5,759	212,075		36.82
1928	45,341	14,478	1,301,796	152.9	18.0		6,435	233,559		36.30
1929	45,793	14,828	1,217,829	155.0	16.4		6,590	199,881		30.33
1930	45,091	13,932	659,455	147.7	9.5		6,185	133,671		21.61
1931	40,693	17,096	490,683	201.2	5.7		7,602	79,330		10.44

[1] Production from reports of the Census Bureau. Bales are of 500 pounds gross. Cottonseed prices are as of November 15, 1911 to 1920, Dec. 1 thereafter. Values are based on these prices. For weighted average prices of cotton and cottonseed, 1911 to 1931, and values based thereon, see Table 609, p. 637.

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No. 607.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1
	Beans, dry, edible					Peanuts (for nuts) [2]				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Dollars per bushel*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1916–1920	1,318	13,356	67,045	10.1	5.02	1,413	1,043,292	67,475	738.4	6.5
1921–1925	1,279	14,692	50,910	11.5	3.47	1,052	710,743	33,255	675.6	4.7
1926–1930	1,763	19,020	60,543	10.8	3.18	1,138	811,001	32,232	712.7	4.0
1920	852	9,225	27,282	10.8	2.96	1,181	841,474	44,256	712.5	5.3
1921	782	9,185	24,515	11.7	2.67	1,214	829,307	33,097	683.1	4.0
1922	1,086	12,877	48,133	11.9	3.74	1,005	633,114	29,613	630.0	4.7
1923	1,344	16,308	59,782	12.1	3.67	896	647,762	43,918	722.9	6.8
1924	1,576	15,164	56,744	9.6	3.74	1,187	745,059	34,259	627.7	4.6
1925	1,606	19,928	65,376	12.4	3.28	958	698,475	25,390	729.1	3.6
1926	1,677	17,707	51,876	10.6	2.93	843	631,825	28,161	749.5	4.5
1927	1,569	16,171	46,575	10.3	2.88	1,142	864,549	35,016	757.0	4.0
1928	1,641	17,647	73,782	10.8	4.18	1,211	855,096	38,434	706.1	4.4
1929	1,836	20,514	76,765	11.2	[3] 6.27	1,360	956,448	35,202	703.3	3.6
1930	2,091	23,063	53,719	11.0	[3] 3.90	1,133	747,085	24,348	659.4	3.2
1931	1,860	21,298	31,199	11.5	[3] 2.46	1,419	1,083,110	20,540	763.3	1.9
	Grain sorghums (kafirs, milo maize, feterita, etc.) for all purposes					Broomcorn [2]				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bushel*	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Lbs.*	*Dolls. per ton*
1916–1920	[4] 6,418	[4] 129,368	[4] 141,933	[4] 20.2	[4] 109.7	315	50	10,185	314.2	196.02
1921–1925	5,987	89,290	65,914	14.9	73.8	337	53	7,121	313.7	134.87
1926–1930	6,481	93,187	67,819	14.3	62.0	308	49	4,756	318.2	97.06
1920	6,540	136,385	127,976	20.9	93.8	276	36	4,605	265.0	126.16
1921	6,124	112,288	44,068	18.3	39.2	222	38	2,758	344.2	72.20
1922	5,496	75,530	65,942	13.7	87.3	275	37	8,186	271.3	219.46
1923	6,354	88,466	82,674	13.9	93.5	536	81	12,989	302.8	160.06
1924	5,690	87,920	75,140	15.5	85.5	436	78	7,454	356.9	95.81
1925	6,272	82,244	61,748	13.1	75.1	214	30	4,219	275.7	143.02
1926	6,440	101,502	55,007	15.8	54.2	306	54	4,285	355.6	78.77
1927	6,722	107,276	67,261	16.0	62.7	237	40	4,380	337.6	109.50
1928	6,527	111,702	68,751	17.1	61.5	298	54	5,638	363.1	104.21
1929	6,131	81,041	57,127	13.2	70.5	310	47	5,810	305.2	122.83
1930	6,586	64,416	40,949	9.8	63.6	391	50	3,666	254.7	73.61
1931	7,152	104,529	31,370	14.6	30.0	309	48	2,450	310.0	51.15
	Clover seed (red and alsike) [5]					Hops				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Dollars per bushel*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1916–1920	947	1,592	24,584	1.7	15.44	30	32,143	10,326	1,081	32.1
1921–1925	893	1,251	14,832	1.4	11.86	22	26,616	4,456	1,215	16.7
1926–1930	1,045	1,513	19,945	1.4	13.18	23	30,353	5,586	1,320	18.4
1920	1,149	2,023	23,471	1.8	11.60	28	34,280	12,236	1,224	35.7
1921	900	1,422	14,296	1.6	10.05	27	29,340	7,080	1,087	24.1
1922	1,194	1,815	18,205	1.5	10.03	23	27,744	2,383	1,186	8.6
1923	753	1,028	12,387	1.4	12.05	18	19,751	3,722	1,071	18.8
1924	809	927	13,455	1.2	14.51	20	27,670	2,863	1,360	10.3
1925	807	1,062	15,819	1.3	14.90	20	28,573	6,232	1,404	21.8
1926	530	728	12,895	1.4	17.71	21	31,522	7,296	1,516	23.1
1927	1,214	1,727	26,299	1.4	15.22	25	30,658	7,024	1,246	22.9
1928	617	961	15,590	1.6	16.22	26	32,944	6,365	1,257	19.3
1929	1,789	2,627	26,997	1.5	10.28	24	33,195	3,785	1,360	11.4
1930	1,076	1,523	17,942	1.4	11.78	20	23,447	3,462	1,202	14.8
1931	885	1,222	8,732	1.4	7.15	21	25,852	3,564	1,208	13.8

[2] Prices for peanuts are as of Nov. 15, 1916 to 1923, Dec. 1 thereafter, the 1926–1931 prices being averages of State prices weighted by total production. Prices for broomcorn are as of Nov. 15, 1916 to 1924, the weighted average for the season to Dec. 1, for 1925, and as of Dec. 1 thereafter. Farm values are based on the prices shown.

[3] Price per 100 lb. bag. [4] Average for 1919 and 1920. [5] Includes sweet clover prior to 1924.

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No. 607.—Acreage, Production, and Value of Principal Crops: Estimates of the Department of Agriculture—Continued

Yearly average or year	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1	Area	Production	Farm value Dec. 1	Yield per acre	Farm price Dec. 1
	Hay (tame)					Tobacco				
	1,000 acres	*1,000 tons*	*1,000 dollars*	*Short tons*	*Dollars per ton*	*1,000 acres*	*1,000 pounds*	*1,000 dollars*	*Lbs.*	*Cents per lb.*
1866–1875	20,419	24,929	286,821	1.22	11.51	434	308,325	27,721	710	9.0
1876–1885	31,124	38,723	352,577	1.24	9.11	640	470,525	36,564	735	7.8
1886–1895	40,127	47,401	420,673	1.18	8.87	683	488,937	39,426	716	8.1
1896–1900	42,126	58,142	453,405	1.38	7.80	924	665,828	[6] 45,064	721	[6] 6.7
1901–1905	43,813	66,287	606,797	1.51	9.19	938	750,049	55,653	800	7.4
1906–1910	50,048	72,161	777,730	1.44	10.78	1,031	851,433	84,458	826	9.9
1911–1915	49,395	69,543	826,282	1.41	11.88	1,210	983,723	101,889	813	10.4
1916–1920	55,896	80,318	1,368,798	1.44	17.04	1,694	1,359,009	316,781	802	23.3
1921–1925	57,714	74,070	985,231	1.28	13.30	1,653	1,279,550	247,642	774	19.4
1926–1930	54,486	72,306	897,601	1.33	12.41	1,827	1,409,240	250,699	771	17.8
1919	56,020	75,357	1,521,204	1.35	20.19	1,958	1,444,206	451,171	737	31.2
1920	56,781	75,074	1,332,594	1.32	17.75	1,935	1,509,212	260,350	780	17.3
1921	57,462	69,718	842,755	1.21	12.09	1,340	1,004,928	196,113	750	19.5
1922	59,300	79,650	1,000,153	1.34	12.56	1,616	1,254,304	286,417	776	22.8
1923	57,741	74,140	1,047,749	1.28	14.13	1,855	1,517,583	288,102	818	19.0
1924	59,066	79,877	1,101,698	1.35	13.79	1,702	1,244,928	236,937	731	19.0
1925	54,999	66,965	933,801	1.22	13.94	1,751	1,376,008	230,642	786	16.8
1926	54,750	66,916	941,454	1.22	14.07	1,628	1,287,272	231,208	792	17.9
1927	56,754	83,116	938,495	1.46	11.29	1,556	1,211,311	250,462	778	20.7
1928	53,287	71,920	879,258	1.35	12.23	1,864	1,373,214	274,620	736	[7] 20.0
1929	55,019	76,114	928,104	1.38	12.19	1,987	1,537,193	286,104	774	[7] 18.6
1930	52,622	63,463	800,694	1.21	12.62	2,101	1,635,210	211,102	778	[7] 12.9
1931	53,449	64,233	581,833	1.20	9.06	2,020	1,610,098	156,097	797	[7] 9.7
	Cranberries (principal producing States)					Oranges (two States) [8]				
	1,000 acres	*1,000 barrels*	*1,000 dollars*	*Barrels*	*Dollars per barrel*		*1,000 boxes*	*1,000 dollars*		*Dollars per box*
1916–1920	24	414	3,980	17.3	9.61	.....	22,337	63,594	.....	2.85
1921–1925	27	549	5,749	20.3	10.47	.....	30,137	80,968	.....	2.69
1926–1930	28	580	6,517	20.7	11.24	.....	42,194	111,515	.....	2.64
1922	25	560	5,702	22.4	10.18	.....	30,306	69,282	.....	2.29
1923	28	652	4,664	23.3	7.15	.....	37,037	71,494	.....	1.93
1924	28	582	5,485	20.8	9.42	.....	29,700	102,535	.....	3.45
1925	28	569	6,370	20.3	11.20	.....	33,300	98,030	.....	2.94
1926	28	744	5,623	26.1	7.56	.....	38,867	113,729	.....	2.93
1927	28	496	6,089	17.4	12.28	.....	31,200	124,800	.....	4.00
1928	29	551	7,997	19.3	14.51	.....	53,705	108,445	.....	2.02
1929	29	549	7,188	19.2	13.10	.....	33,200	122,000	.....	3.67
1930	28	560	5,688	20.2	10.15	.....	54,000	88,600	.....	1.64
1931	28	651	3,902	23.5	5.99	.....	849,900	81,340	.....	1.63
	Onions (commercial crop)					Cabbage (commercial crop)				
	1,000 acres	*1,000 bushels*	*1,000 dollars*	*Bushels*	*Cents per bu.* [9]	*1,000 acres*	*1,000 short tons*	*1,000 dollars*	*Short tons*	*Dollars per ton* [9]
1921–1925	62	17,846	19,153	284	109	117	925	16,158	7.91	17.47
1926–1930	81	23,491	18,242	290	78	135	1,033	18,502	7.70	17.91
1922	63	18,763	15,876	296	85	135	1,097	13,245	8.14	12.09
1923	62	17,306	23,342	279	135	105	814	17,163	7.74	21.13
1924	65	19,242	16,472	296	86	119	1,068	17,290	8.99	16.20
1925	65	19,756	21,488	303	109	119	944	16,381	7.95	17.36
1926	76	21,574	16,272	285	75	125	1,031	17,547	8.28	17.04
1927	78	23,797	18,775	307	79	134	1,187	17,853	8.85	15.05
1928	81	20,591	24,240	254	119	123	912	19,352	7.43	21.22
1929	87	[10] 25,489	18,735	292	74	143	1,034	19,169	7.24	18.54
1930	83	[10] 26,002	13,186	313	51	149	999	18,587	6.70	18.61
1931	77	[10] 18,857	14,171	246	79	146	[10] 993	9,758	6.80	10.63

[6] 3-year average; no data for 1897 and 1898.

[7] Season average price; for 1931, based on sales previous to Dec. 15.

[8] Crops produced in California and Florida from bloom of the years specified in stub. In California, crop year begins Nov. 1, contents of box averages about 70 pounds, and value is calculated on packed-box basis at approximate net price paid to growers for naked fruit delivered to packing house. In Florida, crop year begins Sept. 1, box contains about 83 pounds of fruit, and value of crop is calculated on the approximate price paid to growers per packed box, not including selling charges.

[9] Price for season.

[10] Includes some quantities not harvested on account of market conditions. Price and value computed on harvested crop.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 608.—TRUCK CROPS: Commercial Acreage, Production, and Value, for Market and Manufacture

Note.—Only States with a crop of commercial importance are included. Approximate weights of the units of measurements are as follows: Number of pounds to the crate—asparagus, 24; cantaloupes, 60; cauliflower, 37; celery, 90; lettuce, 50. Number of pounds to the bushel—beans, snap, 24; beans, lima, 28; beets, 56; carrots, 50; cucumbers, 48; eggplant, 38; kale, 18; onions, 57; peas, green, 32; peppers, 22; potatoes, 60; spinach, 20; tomatoes, 56. Number of pounds to a box of artichokes, 40. Number of quarts to the crate of strawberries, 24. Tons are of 2,000 pounds. Values are based on average seasonal farm price

Crop	Acreage					Production (thousands of units)	
	1928	1929	1930	1931	1931, leading States	Unit	1928
Artichokes	7,950	8,900	8,150	7,500	Calif.	Box	978
Asparagus	89,170	92,160	97,560	102,780	Calif., N. J.	Crate	9,199
Beans, lima	4,970	4,670	9,910	8,270	N. J., Ga.	Bushel	264
Beans, snap	141,820	159,420	189,270	168,110	Fla., La.	Ton	159
Beets	9,040	8,810	9,930	10,920	Tex., La.	Bushel	1,539
Cabbage	122,760	142,820	148,990	146,010	N. Y., Tex.	Ton	912
Cantaloupes	102,540	108,870	129,210	138,180	Calif., Ariz.	Crate	15,861
Carrots	20,120	26,720	27,950	30,340	Calif., Tex.	Bushel	6,103
Cauliflower	21,630	25,070	27,560	27,910	Calif., N. Y.	Crate	5,307
Celery	29,060	31,870	33,940	33,350	Calif., Mich.	do	8,245
Corn, sweet [2]	324,460	379,310	399,560	373,560	Ill., Iowa	Ton	636
Cucumbers	118,620	121,570	174,110	137,680	Mich., Wis.	Bushel	9,358
Eggplant	3,170	2,970	3,600	3,750	Fla., N. J.	do	754
Kale	1,800	1,800	1,800	2,400	Va.	do	720
Lettuce	123,740	139,160	172,620	176,960	Calif., Ariz.	Crate	18,381
Onions	80,820	87,340	83,060	76,680	Tex., N. Y.	Bushel	20,591
Peas, green	266,260	300,940	347,880	309,060	Wis., Calif.	Ton	278
Peppermint		50,250	52,480	37,880	Ind., Mich.	Pound	
Peppers, green	15,450	15,460	17,310	18,650	Fla., N. J.	Bushel	3,990
Pimientoes	8,850	9,020	8,940	6,640	Ga., Calif.	Ton	16
Potatoes, early Irish	285,280	268,680	324,670	346,730	Va., Tex.	Bushel	53,115
Spinach	59,160	68,360	55,880	57,420	Tex., Calif.	Ton	186
Strawberries	207,280	203,360	177,690	154,440	La., Mo.	Crate	13,904
Tomatoes	404,810	460,910	560,000	448,220	Ind., Md.	Ton	1,420
Watermelons	206,410	216,590	235,490	238,820	Ga., Tex.	Number	64,088

Crop	Production (thousands of units)—Contd.				Value (thousands of dollars)			
	1929	1930	1931	1931, leading States	1928	1929	1930	1931
Artichokes	988	1,011	818	Calif.	1,927	2,332	1,516	1,391
Asparagus	9,472	10,524	9,307	Calif., N. J.	14,633	15,257	16,115	14,388
Beans, lima	348	587	549	N. J., Md.	828	649	856	849
Beans, snap	200	[1] 214	[1] 184	Fla., Md.	16,948	20,322	19,336	15,970
Beets	1,445	1,903	[1] 2,434	Tex., N. J.	1,141	1,024	1,186	1,048
Cabbage	1,034	999	[1] 993	N. Y., Tex.	19,352	19,169	18,587	9,758
Cantaloupes	17,393	15,951	17,962	Calif., Ariz.	20,623	22,703	19,283	17,543
Carrots	[1] 10,225	[1] 10,662	[1] 11,833	Calif., Tex.	4,289	5,783	6,284	5,326
Cauliflower	6,797	5,843	7,087	Calif., Colo.	5,111	5,288	4,783	5,270
Celery	9,418	10,419	9,750	Calif., Fla.	15,538	15,934	15,263	17,789
Corn, sweet [2]	743	699	808	Ill., Iowa	9,681	10,937	10,276	9,795
Cucumbers	8,635	[1] 13,842	[1] 10,757	Mich., Wis.	9,833	11,289	11,173	7,188
Eggplant	688	798	775	Fla., N. J.	650	1,079	714	582
Kale	810	738	480	Va.	360	284	295	240
Lettuce	20,220	19,591	18,569	Calif., Ariz.	31,130	36,794	33,582	26,664
Onions	[1] 25,489	[1] 26,002	[1] 18,857	Tex., N. Y.	24,240	18,735	13,186	14,171
Peas, green	294	354	248	Wis., Calif.	19,894	21,385	23,887	16,843
Peppermint	942	1,007	625	Ind., Mich.		2,999	1,928	948
Peppers, green	3,425	3,690	4,623	Fla., N. J.	3,881	3,882	3,914	3,438
Pimientoes	19	15	9	Ga., Calif.	627	714	578	294
Potatoes, early Irish	34,839	43,551	46,389	Va., N. J.	30,044	44,703	49,021	29,346
Spinach	247	152	172	Tex., Calif.	7,986	8,360	6,669	5,868
Strawberries	13,810	9,637	11,286	La., Calif.	44,616	44,539	38,976	37,376
Tomatoes	1,982	[1] 2,217	[1] 1,476	Ind., N. J.	42,468	53,849	53,778	30,425
Watermelons	70,056	[1] 82,401	[1] 75,509	Ga., Calif.	11,014	12,143	8,936	7,344

[1] Includes some quantities not harvested on account of market conditions. Value computed on harvested crop.

[2] Mainly for canning but includes also market for New Jersey.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 609.—COTTON AND COTTONSEED: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Cotton production excludes linters. Figures for production of cotton and cottonseed in some States differ slightly from Census figures on ginnings due to ginnings in one State of cotton grown in another. Where figures are not shown for the individual States, separate data are not available for the entire period but are included in the United States totals. Yields and prices for the periods are simple averages of the figures for the individual years. Tons are of 2,000 pounds

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound [1]	Quantity	Farm value	Farm price per ton [1]	
United States:	*Thousands*	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
1911–1915	35,132	14,176	720,226	192	10.4	6,317	131,766	21.54	860,992
1916–1920	34,856	11,931	1,466,638	163	24.8	5,312	282,521	54.15	1,749,159
1921–1925	37,616	11,516	1,276,720	144	22.2	5,114	174,412	34.31	1,451,132
1926–1930	44,690	14,834	1,127,127	159	15.4	6,592	188,401	29.02	1,315,528
1926	47,087	17,977	1,121,220	183	12.5	7,980	172,134	21.55	1,293,354
1927	40,138	12,955	1,308,074	155	20.2	5,759	206,827	35.94	1,514,901
1928	45,341	14,478	1,302,110	153	18.0	6,435	226,870	35.26	1,528,980
1929	45,733	14,828	1,245,083	155	16.8	6,590	200,533	30.43	1,445,616
1930	45,091	13,932	656,150	148	9.5	6,185	135,642	21.93	794,792
1931 [2]	40,693	17,096	484,898	201	5.7	7,602	72,992	9.60	557,890
Alabama:									
1911–1915	3,771	1,465	75,036	184	10.4	651	13,912	22.52	88,948
1916–1920	2,684	646	82,167	117	24.9	286	16,778	58.28	98,945
1921–1925	2,929	867	95,550	139	22.5	385	13,610	36.17	109,160
1926–1930	3,562	1,323	97,962	177	15.2	587	16,932	29.59	114,894
1926	3,651	1,498	94,664	196	12.6	665	15,042	22.62	109,706
1927	3,166	1,191	117,310	180	19.7	529	19,409	36.69	136,719
1928	3,534	1,109	100,050	150	18.0	422	18,253	37.10	118,303
1929	3,690	1,342	111,046	174	16.6	596	18,059	30.30	129,105
1930	3,770	1,473	66,740	187	9.1	655	13,899	21.22	80,639
1931 [2]	3,397	1,420	39,760	200	5.6	631	6,373	10.10	46,133
Arizona:									
1917–1920	118	60		265		27			
1921–1925	132	79	[3] 13,108	278	[3] 26.5	35	[3] 1,158	[3] 27.33	[3] 14,266
1926–1930	189	134	12,410	338	18.8	60	1,451	24.62	13,861
1926	167	122	8,332	349	13.7	54	1,034	19.15	9,366
1927	139	91	10,508	315	23.1	41	1,220	29.76	11,728
1928	200	149	17,272	357	23.2	66	1,975	29.92	13,247
1929	226	153	16,657	324	21.8	68	1,738	25.56	18,395
1930	215	155	9,279	346	12.0	69	1,290	18.69	10,569
1931 [2]	176	115	4,198	313	7.3	51	500	9.80	4,698
Arkansas:									
1911–1915	2,301	927	47,696	192	10.4	412	8,399	20.77	56,095
1916–1920	2,807	1,039	122,753	177	24.5	462	23,573	52.74	146,326
1921–1925	3,008	1,025	108,174	161	22.0	455	14,284	32.93	122,458
1926–1930	3,657	1,221	92,465	160	15.1	542	15,422	28.66	107,887
1926	3,790	1,548	87,450	195	11.3	688	13,574	19.73	101,024
1927	3,048	1,000	101,720	157	20.3	444	15,913	35.84	117,633
1928	3,681	1,246	112,884	162	18.1	554	20,027	36.15	132,911
1929	3,858	1,435	120,752	178	16.8	638	19,370	30.36	140,122
1930	3,308	874	39,520	107	9.0	388	8,226	21.20	47,746
1931 [2]	3,566	1,907	52,442	256	5.5	848	6,954	8.20	59,396
California:									
1911–1915	24	24		444					
1916–1920	102	60		289		[4] 29			
1921–1925	101	62	7,222	271	23.2	28	[3] 1,225	[3] 31.96	[3] 11,165
1926–1930	217	184	13,885	395	15.9	81	2,126	27.06	16,011
1926	162	131	9,006	387	13.8	58	1,346	23.20	10,352
1927	128	91	9,066	340	20.0	40	1,304	32.60	10,370
1928	218	172	16,278	378	18.9	76	2,345	30.86	18,623
1929	309	260	22,416	402	17.2	115	3,091	26.88	25,507
1930	270	264	12,660	468	9.6	117	2,545	21.75	15,205
1931 [2]	192	177	5,398	440	6.1	79	1,019	12.90	6,417
Florida:									
1911–1915	227	65	4,442	138	14.0	35	681	20.13	5,123
1916–1920	149	28	4,836	90	32.9	17	940	55.05	5,776
1921–1925	102	22	2,368	106	22.1	10	337	34.43	2,705
1926–1930	96	29	2,057	143	15.4	13	351	28.15	2,408
1926	105	32	2,058	145	12.9	14	338	24.12	2,396
1927	64	17	1,668	126	19.6	8	269	33.65	1,937
1928	95	19	1,672	97	17.6	9	294	32.67	1,966
1929	94	29	2,466	145	17.0	13	367	28.20	2,833
1930	120	50	2,420	200	9.7	22	486	22.11	2,906
1931 [2]	118	43	1,182	175	5.5	19	205	10.80	1,387

[1] Annual weighted average price.
[2] Farm value and farm price are preliminary.
[3] Three-year average.
[4] Four-year average.

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No. 609.—Cotton and Cottonseed: Area, Production, and Farm Value, by States—Continued

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound [1]	Quantity	Farm value	Farm price per ton [1]	
Georgia:	*Thousands*	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
1911–1915	5,283	2,298	118,862	207	10.6	1,032	22,962	22.97	141,824
1916–1920	5,187	1,780	231,237	164	25.6	737	47,878	58.53	279,115
1921–1925	3,529	851	95,114	117	22.9	378	14,002	37.92	109,116
1926–1930	3,744	1,312	97,426	167	15.4	582	16,713	29.78	114,139
1926	3,965	1,496	96,370	180	12.9	664	16,182	24.37	112,552
1927	3,413	1,100	109,120	154	19.8	488	18,505	37.92	127,625
1928	3,728	1,030	93,830	132	18.2	457	16,932	37.05	110,762
1929	3,753	1,343	111,750	171	16.6	596	16,557	27.78	128,307
1930	3,863	1,593	76,062	197	9.6	707	15,391	21.77	91,453
1931 [2]	3,431	1,393	40,397	194	5.8	618	6,674	10.80	47,071
Louisiana:									
1911–1915	1,107	399	20,568	173	10.3	177	3,550	20.45	24,118
1916–1920	1,477	471	58,290	153	24.9	209	11,472	53.46	69,762
1921–1925	1,441	479	50,742	152	21.5	212	6,703	32.02	57,445
1926–1930	1,947	718	53,524	176	15.2	319	8,594	27.44	62,118
1926	1,979	829	51,696	200	12.5	368	7,441	20.22	59,137
1927	1,542	548	54,648	170	19.9	243	8,187	33.69	62,835
1928	1,990	691	61,332	166	17.8	307	9,968	32.47	71,360
1929	2,114	809	66,524	183	16.4	359	10,766	29.99	77,290
1930	2,110	715	33,360	162	9.3	317	6,606	20.84	39,966
1931 [2]	1,958	900	24,750	220	5.5	400	3,280	8.20	28,030
Mississippi:									
1911–1915	3,017	1,152	60,857	182	10.6	512	11,212	22.38	72,069
1916–1920	2,967	960	123,077	154	25.1	426	23,657	54.50	146,734
1921–1925	3,052	1,099	123,306	169	23.2	488	16,464	35.22	139,770
1926–1930	3,906	1,619	127,338	199	15.9	719	22,013	30.92	149,351
1926	3,752	1,888	123,826	241	13.1	838	20,581	24.56	144,407
1927	3,340	1,355	142,990	194	21.1	602	22,376	37.17	165,366
1928	4,029	1,475	135,011	175	18.3	655	24,857	37.95	159,868
1929	4,166	1,915	163,246	220	17.0	851	27,717	32.57	190,963
1930	4,243	1,464	71,615	165	9.8	650	14,534	22.36	86,149
1931 [2]	4,032	1,761	54,591	209	6.2	783	7,673	9.80	62,264
Missouri:									
1911–1915	117	70	3,345	283	9.8	31	721	23.95	4,066
1916–1920	139	66	7,544	229	23.4	29	1,554	54.84	9,098
1921–1925	334	168	16,375	263	19.5	75	2,774	38.16	19,149
1926–1930	354	170	11,944	228	14.5	76	2,049	27.81	13,993
1926	434	218	10,503	240	9.6	97	1,919	19.78	12,422
1927	291	115	11,523	188	20.0	51	1,846	36.20	13,369
1928	334	147	12,988	210	17.7	65	2,015	31.00	15,003
1929	341	220	18,158	308	16.5	98	3,085	31.48	21,243
1930	369	151	6,550	195	8.7	67	1,378	20.57	7,928
1931 [2]	348	289	7,225	397	5.0	128	1,178	9.20	8,403
New Mexico:									
1924–1925	104	62	6,606	282	21.6	28	857	31.22	7,463
1926–1930	118	84	6,599	344	15.9	37	963	25.92	7,562
1926	120	75	4,571	299	12.2	33	676	20.50	5,247
1927	95	70	7,279	352	20.8	31	936	30.18	8,215
1928	117	88	8,330	360	18.9	39	1,255	32.19	9,585
1929	130	90	7,819	333	17.4	40	1,072	26.79	8,891
1930	127	99	4,994	375	10.1	44	878	19.96	5,872
1931 [2]	117	101	2,929	412	5.8	45	423	9.40	3,352
North Carolina:									
1911–1915	1,511	873	45,256	274	10.5	386	9,231	24.69	54,487
1916–1920	1,529	785	96,628	244	24.6	348	19,934	58.37	116,562
1921–1925	1,746	915	103,869	252	22.5	406	15,546	38.20	119,415
1926–1930	1,819	886	67,730	232	15.4	393	11,839	30.42	79,569
1926	1,985	1,213	76,510	292	12.6	538	13,213	24.56	89,723
1927	1,728	861	85,714	238	19.9	382	14,569	38.14	100,283
1928	1,860	836	77,282	215	18.5	371	14,387	38.78	91,669
1929	1,878	747	62,127	190	16.6	331	9,503	28.71	71,630
1930	1,643	775	37,018	225	9.6	343	7,522	21.93	44,540
1931 [2]	1,333	756	22,680	271	6.0	335	3,584	10.70	26,264

[1] Annual weighted average price.
[2] Farm value and price are preliminary.

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No. 609.—Cotton and Cottonseed: Area, Production, and Farm Value, by States—Continued

Yearly average or year	Cotton					Cottonseed			Total farm value
	Acres	Bales (500 pounds gross)	Farm value	Yield per acre	Farm price per pound [1]	Quantity	Farm value	Farm price per ton [1]	
	Thousands	*Thousands*	*1,000 dollars*	*Pounds*	*Cents*	*1,000 short tons*	*1,000 dollars*	*Dollars*	*1,000 dollars*
Oklahoma:									
1911–1915	2,693	957	46,109	170	9.9	425	7,835	19.71	53,944
1916–1920	2,703	942	107,207	167	23.6	419	19,417	49.64	126,624
1921–1925	3,479	993	106,270	129	21.5	441	13,708	31.28	119,978
1926–1930	4,158	1,202	88,140	137	14.8	534	14,478	28.14	102,618
1926	4,676	1,773	100,248	181	11.3	788	13,104	16.63	113,352
1927	3,601	1,037	106,089	138	20.5	461	16,803	36.45	122,892
1928	4,243	1,205	105,184	136	17.5	536	18,085	33.74	123,269
1929	4,275	1,143	91,970	128	16.1	508	15,692	30.89	107,662
1930	3,997	854	37,210	102	8.7	379	8,706	22.97	45,916
1931 [2]	3,395	1,261	32,156	178	5.1	561	4,993	8.90	37,149
South Carolina:									
1911–1915	2,732	1,375	71,829	239	10.6	611	14,319	24.15	86,148
1916–1920	2,883	1,358	173,762	224	25.3	603	34,800	58.61	208,562
1921–1925	2,301	743	83,735	154	22.7	329	12,551	38.60	96,286
1926–1930	2,351	859	65,158	175	15.7	381	11,244	30.52	76,402
1926	2,648	1,008	67,424	182	13.4	447	11,175	25.00	78,599
1927	2,356	730	73,856	148	20.2	324	12,898	39.81	86,754
1928	2,361	726	66,614	147	18.4	322	12,513	38.86	79,127
1929	2,216	830	69,584	179	16.8	368	10,138	27.55	79,722
1930	2,173	1,001	48,312	220	9.6	444	9,497	21.39	57,809
1931 [2]	1,960	1,005	30,652	245	6.1	446	4,817	10.80	35,469
Tennessee:									
1911–1915	834	359	18,485	205	10.5	160	3,658	23.55	22,143
1916–1920	854	318	37,500	178	24.1	141	7,606	54.60	45,106
1921–1925	992	358	37,880	178	22.0	159	5,556	36.26	43,436
1926–1930	1,115	426	32,064	183	15.0	189	5,511	29.23	37,575
1926	1,143	451	26,696	188	11.8	200	4,152	20.76	30,848
1927	965	359	35,169	178	19.6	159	5,797	36.46	40,966
1928	1,107	428	38,308	185	17.9	190	7,127	37.51	45,435
1929	1,136	515	43,098	217	16.7	229	6,991	30.53	50,089
1930	1,225	377	17,050	147	9.0	167	3,490	20.90	20,540
1931 [2]	1,115	594	16,038	255	5.4	264	2,323	8.80	18,361
Texas:									
1911–1915	11,464	4,180	213,915	175	10.3	1,860	34,702	19.27	248,617
1916–1920	11,220	3,398	404,422	144	24.8	1,512	71,719	50.04	476,141
1921–1925	14,310	3,774	426,321	125	22.0	1,677	55,523	32.56	481,844
1926–1930	17,349	4,613	354,552	127	15.4	2,053	58,011	28.51	412,563
1926	18,374	5,628	357,938	147	12.7	2,506	51,523	20.56	409,461
1927	16,176	4,352	437,662	129	20.1	1,938	66,241	34.18	503,903
1928	17,743	5,106	450,428	138	17.6	2,274	75,952	33.40	526,380
1929	17,500	3,940	332,714	108	16.9	1,755	55,634	31.70	388,348
1930	16,950	4,038	194,017	114	9.6	1,794	40,706	22.69	234,723
1931 [2]	15,469	5,320	148,960	165	5.6	2,370	22,752	9.60	171,712
Virginia:									
1911–1915	43	24	1,262	262	10.8	10	[4] 294	[4] 30.63	[4] 1,501
1916–1920	44	23	2,829	249	24.7	10	571	57.34	3,400
1921–1925	73	37	4,388	243	22.6	16	649	39.30	5,037
1926–1930	83	43	3,190	248	15.1	19	609	32.30	3,799
1926	93	51	2,932	264	11.5	23	661	28.72	3,593
1927	64	31	3,044	230	19.6	14	553	39.50	3,597
1928	79	44	3,956	265	18.0	19	779	41.00	4,735
1929	88	48	4,002	258	16.7	21	631	30.06	4,633
1930	89	42	2,014	225	9.6	19	422	22.21	2,436
1931 [2]	70	42	1,197	289	5.7	19	196	10.30	1,393
Other States:									
1926–1930	25	9	666	180	----------	4	122	----------	788
1926	43	17	908	188	----------	8	172	----------	1,080
1927	22	7	706	160	----------	4	144	----------	850
1928	22	7	630	152	----------	3	106	----------	736
1929	19	9	756	227	----------	4	122	----------	878
1930	19	7	331	173	----------	3	66	----------	397
1931 [2]	16	12	336	363	----------	5	48	----------	384

[1] Annual weighted average price. [2] Farm value and price are preliminary. [4] 4-year average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 610.—CORN: Acreage, Production, and Farm Value, by States

NOTE.—Weight of a bushel of corn, 56 pounds. This table covers corn for all purposes, including hogged and siloed corn and that cut and fed without removing the ears, as well as that husked and snapped for grain. The yield for grain with an allowance for varying yields of corn for other purposes is applied to the total acreage to obtain an equivalent production of all corn. 1931 data are preliminary

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1, farm price		Farm price Dec. 1, 1931
	1929	1930	1931[1]	1929	1930	1931[1]	1930	1931[1]	1930	1931[1]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Bus.*	*Bus.*	*1,000 dolls.*	*1,000 dolls.*	*Cts. per bu.*
United States	**97,806**	**100,743**	**104,970**	**2,535,386**	**2,060,185**	**2,556,863**	**20.4**	**24.4**	**1,349,218**	**920,142**	**36**
New England	**187**	**185**	**187**	**7,677**	**7,986**	**8,207**	**43.2**	**43.9**	**8,160**	**5,334**	**65**
Maine	13	13	14	520	546	588	42.0	42.0	546	412	70
New Hampshire	13	13	13	533	585	598	45.0	46.0	614	407	68
Vermont	62	60	64	2,542	2,580	2,944	43.0	46.0	2,580	1,855	63
Massachusetts	40	39	37	1,560	1,755	1,591	45.0	43.0	1,755	955	60
Rhode Island	9	9	8	372	378	344	42.0	43.0	416	206	60
Connecticut	50	51	51	2,150	2,142	2,142	42.0	42.0	2,249	1,499	70
Middle Atlantic	**1,967**	**1,942**	**2,004**	**69,440**	**49,516**	**91,810**	**25.5**	**45.8**	**46,208**	**45,740**	**50**
New York	566	555	566	17,603	16,650	22,074	30.0	39.0	14,985	13,244	60
New Jersey	170	168	170	6,290	6,048	6,970	36.0	41.0	5,746	3,624	52
Pennsylvania	1,231	1,219	1,268	45,547	26,818	62,766	22.0	49.5	25,477	28,872	46
East North Central	**19,440**	**19,962**	**20,803**	**653,968**	**528,432**	**768,484**	**26.5**	**36.9**	**341,591**	**247,608**	**32**
Ohio	3,473	3,438	3,576	119,818	87,669	160,920	25.5	45.0	58,738	54,713	34
Indiana	4,253	4,466	4,555	131,843	117,009	168,535	26.2	37.0	71,375	47,190	28
Illinois	8,575	8,832	9,185	304,412	229,632	339,845	26.0	37.0	142,372	101,954	30
Michigan	1,197	1,245	1,407	29,925	26,768	40,944	21.5	29.1	20,611	16,378	40
Wisconsin	1,942	1,981	2,080	67,970	67,354	58,240	34.0	28.0	48,495	27,373	47
West North Central	**43,232**	**44,512**	**45,359**	**1,226,592**	**1,032,495**	**1,007,834**	**23.2**	**22.2**	**580,507**	**354,197**	**35**
Minnesota	4,359	4,533	4,896	156,924	140,523	115,056	31.0	23.5	74,477	42,571	37
Iowa	11,048	11,335	11,640	444,130	385,390	389,940	34.0	33.5	223,526	136,479	35
Missouri	5,566	6,123	6,184	130,801	85,722	170,060	14.0	27.5	64,292	56,120	33
North Dakota	1,005	1,035	1,159	15,075	18,112	21,442	17.5	18.5	9,599	7,934	37
South Dakota	5,095	5,146	4,837	120,752	82,336	25,152	16.0	5.2	38,698	10,312	41
Nebraska	9,516	9,564	10,138	242,658	239,100	172,346	25.0	17.0	121,941	65,491	38
Kansas	6,643	6,776	6,505	116,252	81,312	113,838	12.0	17.5	47,974	35,290	31
South Atlantic	**9,978**	**10,409**	**10,963**	**172,736**	**135,272**	**194,965**	**13.0**	**17.8**	**125,173**	**87,431**	**45**
Delaware	134	138	146	3,618	2,622	4,745	19.0	32.5	2,386	1,898	40
Maryland	499	508	545	15,718	6,858	20,710	13.5	38.0	6,378	8,284	40
Virginia	1,454	1,498	1,527	35,187	16,478	43,061	11.0	28.2	17,302	19,808	46
West Virginia	434	421	446	12,326	5,052	12,934	12.0	29.0	5,507	6,726	52
North Carolina	1,985	2,233	2,345	37,715	40,194	48,072	18.0	20.5	37,380	20,671	43
South Carolina	1,392	1,531	1,608	20,184	22,200	22,994	14.5	14.3	19,980	10,117	44
Georgia	3,432	3,432	3,672	41,184	36,036	36,720	10.5	10.0	30,991	16,891	46
Florida	648	648	674	6,804	5,832	5,729	9.0	8.5	5,249	3,036	53
East South Central	**10,292**	**10,421**	**11,143**	**202,991**	**119,770**	**238,134**	**11.5**	**21.4**	**113,142**	**91,037**	**38**
Kentucky	2,843	2,815	2,871	66,810	28,150	80,388	10.0	28.0	25,898	28,940	36
Tennessee	2,816	2,788	2,872	63,923	39,032	71,800	14.0	25.0	36,300	27,284	38
Alabama	2,634	2,819	3,101	36,876	29,600	43,414	10.5	14.0	28,416	17,800	41
Mississippi	1,999	1,999	2,299	35,382	22,988	42,532	11.5	18.5	22,528	17,013	40
West South Central	**10,377**	**10,722**	**11,798**	**163,917**	**130,562**	**210,613**	**12.2**	**17.9**	**96,830**	**71,646**	**34**
Arkansas	1,866	1,776	1,954	28,923	8,347	43,965	4.7	22.5	8,013	16,267	37
Louisiana	1,190	1,119	1,287	18,802	12,309	20,592	11.0	16.0	11,447	9,678	47
Oklahoma	3,070	3,193	3,321	46,050	35,762	51,808	11.2	15.6	23,245	15,542	30
Texas	4,251	4,634	5,236	70,142	74,144	94,248	16.0	18.0	54,125	30,159	32
Mountain	**2,155**	**2,406**	**2,524**	**32,417**	**50,180**	**30,977**	**20.9**	**12.3**	**32,478**	**13,507**	**44**
Montana	134	141	123	1,608	1,692	1,722	12.0	14.0	1,117	982	57
Idaho	32	35	42	1,120	1,330	1,428	38.0	34.0	931	757	53
Wyoming	160	192	186	2,080	3,552	1,953	18.5	10.5	2,380	879	45
Colorado	1,533	1,732	1,836	22,228	38,970	19,278	22.5	10.5	24,161	7,711	40
New Mexico	250	257	283	4,425	3,598	5,660	14.0	20.0	2,770	2,434	43
Arizona	29	31	36	435	496	576	16.0	16.0	570	495	86
Utah	15	16	16	465	496	320	31.0	20.0	496	221	69
Nevada	2	2	2	56	46	40	23.0	20.0	53	28	70
Pacific	**178**	**184**	**189**	**5,648**	**5,972**	**5,839**	**32.5**	**30.9**	**5,129**	**3,642**	**62**
Washington	33	34	37	1,172	1,292	1,369	38.0	37.0	1,137	684	50
Oregon	63	60	62	2,016	1,980	1,860	33.0	30.0	1,643	1,209	65
California	82	90	90	2,460	2,700	2,610	30.0	29.0	2,349	1,749	67

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 611.—WHEAT: Acreage, Production, and Farm Value, by States

Note.—Weight of a bushel of wheat, 60 pounds

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1, farm price		Farm price Dec. 1, 1931
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bus.*	*1,000 bus.*	*1,000 bus.*	*Bus.*	*Bus.*	*1,000 dollars*	*1,000 dollars*	*Cts. per bu.*
United States	**62,671**	**61,138**	**54,949**	**812,573**	**858,160**	**892,271**	**14.0**	**16.2**	**514,847**	**395,600**	**44**
New England	**3**	**3**	**3**	**64**	**64**	**65**	**21.0**	**22.0**	**66**	**48**	**74**
Maine	2	2	2	46	44	44	22.0	22.0	46	31	70
Vermont	1	1	1	18	20	21	20.0	21.0	20	17	80
Middle Atlantic	**1,283**	**1,263**	**1,169**	**22,249**	**27,014**	**26,621**	**21.4**	**22.8**	**21,696**	**15,006**	**56**
New York	242	224	211	3,864	4,086	5,311	18.2	25.2	3,245	3,050	57
New Jersey	54	53	49	1,107	1,246	1,323	23.5	27.0	1,084	754	57
Pennsylvania	987	986	909	17,278	21,682	19,987	22.0	22.0	17,367	11,202	56
East North Central	**6,111**	**5,921**	**6,135**	**102,806**	**110,548**	**159,137**	**18.7**	**25.9**	**79,455**	**75,273**	**47**
Ohio	1,564	1,612	1,723	30,503	28,712	50,744	17.8	29.5	21,806	25,366	50
Indiana	1,568	1,584	1,678	25,909	28,527	43,327	18.0	25.8	20,246	19,497	45
Illinois	2,093	1,921	1,935	30,831	35,086	45,076	18.3	23.3	24,102	20,285	45
Michigan	790	705	711	13,682	16,160	18,446	22.9	25.9	11,802	9,234	50
Wisconsin	96	99	88	1,881	2,063	1,544	20.8	17.5	1,499	891	58
West North Central	**33,185**	**33,073**	**28,199**	**382,544**	**441,342**	**402,330**	**13.3**	**14.3**	**239,689**	**162,925**	**40**
Minnesota	1,421	1,366	1,224	20,471	22,626	18,011	16.6	14.7	13,014	9,983	55
Iowa	426	432	381	7,977	8,869	7,594	20.5	19.9	5,750	3,433	45
Missouri	1,534	1,275	1,497	15,400	17,838	29,933	14.0	20.0	13,186	13,476	45
North Dakota	10,440	9,896	6,204	99,950	108,471	32,717	11.0	5.3	55,654	16,345	50
South Dakota	3,583	3,508	2,796	34,799	45,279	15,831	11.9	5.7	21,001	7,580	48
Nebraska	3,700	3,939	3,465	55,403	71,557	58,376	18.2	16.8	37,751	23,359	40
Kansas	12,081	12,357	12,632	148,544	166,702	239,868	13.5	19.0	93,333	88,749	37
South Atlantic	**1,826**	**1,607**	**1,652**	**25,665**	**27,584**	**33,206**	**17.2**	**20.1**	**24,810**	**19,635**	**59**
Delaware	106	105	91	2,014	2,048	2,138	19.5	23.5	1,597	1,133	53
Maryland	506	481	404	9,108	11,063	9,696	23.0	24.0	8,519	5,042	52
Virginia	657	591	603	8,607	9,160	13,266	15.5	22.0	8,885	7,694	58
West Virginia	104	105	113	1,362	1,838	2,373	17.5	21.0	1,875	1,448	61
North Carolina	353	265	339	3,636	2,862	4,407	10.8	13.0	3,120	3,173	72
South Carolina	52	34	53	520	340	689	10.0	13.0	445	572	83
Georgia	48	26	49	408	273	637	10.5	13.0	369	573	90
East South Central	**488**	**406**	**498**	**5,042**	**5,070**	**9,300**	**12.5**	**18.7**	**4,822**	**5,520**	**59**
Kentucky	204	202	242	2,530	2,828	4,840	14.0	20.0	2,573	2,614	54
Tennessee	280	202	252	2,492	2,222	4,410	11.0	17.5	2,222	2,866	65
Alabama	2	2	4	20	20	50	10.0	12.5	27	40	80
West South Central	**7,563**	**6,982**	**8,078**	**95,959**	**69,389**	**132,827**	**9.9**	**16.4**	**44,517**	**52,264**	**39**
Arkansas	17	18	36	158	203	475	11.3	13.2	199	247	52
Oklahoma	4,576	3,935	4,407	51,251	37,382	74,919	9.5	17.0	22,055	28,469	38
Texas	2,970	3,029	3,635	44,550	31,804	57,433	10.5	15.8	22,263	23,548	41
Mountain	**8,211**	**7,959**	**5,457**	**103,019**	**103,114**	**63,805**	**13.0**	**11.7**	**54,131**	**30,821**	**48**
Montana	4,419	4,217	2,182	41,290	35,313	14,684	8.4	6.7	17,096	8,053	55
Idaho	1,294	1,245	1,059	28,835	30,691	19,641	24.7	18.5	15,960	9,064	46
Wyoming	341	343	243	4,394	4,014	2,146	11.7	8.8	1,987	980	46
Colorado	1,539	1,632	1,394	17,934	23,356	16,552	14.3	11.9	12,420	7,176	43
New Mexico	320	211	284	4,435	1,904	5,112	9.0	18.0	1,163	2,325	45
Arizona	19	22	24	475	616	672	28.0	28.0	647	444	66
Utah	265	276	257	5,304	6,892	4,679	25.0	18.2	4,516	2,527	54
Nevada	14	13	14	352	328	319	25.2	22.8	342	252	79
Pacific	**4,003**	**3,924**	**3,758**	**75,235**	**74,035**	**64,980**	**18.9**	**17.3**	**45,661**	**34,108**	**52**
Washington	2,295	2,305	2,357	42,721	38,278	40,843	16.6	17.3	21,600	20,972	51
Oregon	1,075	1,027	945	21,500	23,621	17,662	23.0	18.7	13,745	8,927	51
California	633	592	456	11,014	12,136	6,475	20.5	14.2	10,316	4,209	65

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 612.—OATS: Acreage, Production, and Farm Value, by States

Note.—Weight of a bushel of oats, 32 pounds

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1, farm price		Farm price Dec. 1, 1931
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Bush.*	*Bush.*	*1,000 dollars*	*1,000 dollars*	*Cts. per bush.*
United States	38,148	39,729	39,722	1,118,414	1,277,764	1,112,142	32.2	28.0	402,713	256,483	23
New England	195	197	199	6,933	7,348	6,382	37.3	32.1	3,854	2,525	40
Maine	120	120	118	4,548	4,740	3,776	39.5	32.0	2,465	1,473	39
New Hampshire	7	6	6	280	264	228	44.0	38.0	143	96	42
Vermont	55	56	61	1,705	1,848	1,952	33.0	32.0	979	781	40
Massachusetts	4	5	4	120	170	132	34.0	33.0	88	53	40
Rhode Island	2	2	2	70	70	62	35.0	31.0	38	25	40
Connecticut	7	8	8	210	256	232	32.0	29.0	141	97	42
Middle Atlantic	1,747	1,857	1,860	44,676	68,842	54,072	37.1	29.1	31,649	17,523	32
New York	800	872	863	19,600	34,880	24,596	40.0	28.5	15,347	8,117	33
New Jersey	38	40	43	988	1,360	1,333	34.0	31.0	653	400	30
Pennsylvania	909	945	954	24,088	32,602	28,143	34.5	29.5	15,649	9,006	32
East North Central	11,264	11,748	11,699	350,174	408,435	378,285	34.8	32.3	129,080	83,478	23
Ohio	1,628	1,726	1,657	47,212	62,136	62,138	36.0	37.5	21,748	14,292	29
Indiana	1,872	1,966	1,966	53,352	57,211	61,339	29.1	31.2	17,163	11,654	10
Illinois	4,064	4,267	4,182	136,144	142,944	142,188	33.5	34.0	41,454	28,438	24
Michigan	1,265	1,354	1,435	35,546	48,744	43,768	36.0	30.5	16,573	10,504	27
Wisconsin	2,435	2,435	2,459	77,920	97,400	68,852	40.0	28.0	32,142	18,590	22
West North Central	19,615	20,503	19,514	588,974	660,538	489,801	32.2	25.1	178,940	104,276	12
Minnesota	4,230	4,442	4,575	145,935	166,575	123,525	37.5	27.0	41,644	25,940	21
Iowa	6,043	6,303	6,026	215,131	233,211	186,806	37.0	31.0	65,299	39,229	21
Missouri	1,404	1,727	1,865	26,676	41,448	50,355	24.0	27.0	16,165	11,078	22
North Dakota	1,923	1,827	1,498	34,614	40,194	18,276	22.0	12.2	8,039	3,472	19
South Dakota	2,385	2,385	1,745	65,588	70,358	20,068	29.5	11.5	14,775	4,415	22
Nebraska	2,480	2,485	2,311	76,880	72,065	49,686	29.0	21.5	20,178	11,925	24
Kansas	1,150	1,334	1,494	24,150	36,685	41,085	27.5	27.5	12,840	8,217	20
South Atlantic	1,139	1,128	1,323	24,987	23,471	32,616	20.8	24.7	15,974	12,878	39
Delaware	2	3	3	57	102	105	34.0	35.0	51	32	30
Maryland	47	49	67	1,316	1,470	2,010	30.0	30.0	691	804	40
Virginia	127	152	189	2,642	2,630	4,838	17.3	25.6	1,578	1,645	34
West Virginia	140	140	148	3,374	2,660	3,552	19.0	24.0	1,569	1,243	35
North Carolina	168	186	197	3,192	3,534	4,531	19.0	23.0	2,403	1,722	38
South Carolina	358	344	378	8,485	7,912	9,450	23.0	25.0	5,855	3,686	39
Georgia	289	246	332	5,809	5,043	7,968	20.5	24.0	3,732	3,665	46
Florida	8	8	9	112	120	162	15.0	18.0	95	81	50
East South Central	432	367	573	7,471	5,314	12,323	14.5	21.5	3,029	4,154	34
Kentucky	207	155	232	3,312	2,015	4,872	13.0	21.0	1,068	1,413	29
Tennessee	93	102	138	1,451	1,499	2,760	14.7	20.0	794	911	33
Alabama	98	90	153	1,960	1,440	3,366	16.0	22.0	922	1,313	39
Mississippi	34	20	50	748	360	1,325	18.0	26.5	245	517	39
West South Central	2,847	2,571	3,466	53,160	61,661	108,096	24.0	31.2	25,073	21,708	20
Arkansas	92	94	160	1,748	1,739	4,160	18.5	26.0	904	1,248	30
Louisiana	16	13	26	400	260	754	20.0	29.0	143	256	34
Oklahoma	908	1,053	1,516	19,068	25,798	43,206	24.5	28.5	9,803	8,209	19
Texas	1,331	1,411	1,764	31,944	33,864	59,976	24.0	34.0	14,223	11,995	20
Mountain	919	866	640	23,688	23,023	14,416	26.6	22.5	8,126	4,651	32
Montana	321	305	183	6,099	5,948	2,654	19.5	14.5	1,844	876	33
Idaho	140	133	116	4,830	4,921	3,944	37.0	34.0	1,575	1,183	30
Wyoming	165	140	98	4,042	3,150	1,764	22.5	18.0	1,134	564	32
Colorado	203	195	148	5,887	6,045	3,404	31.0	23.0	2,176	1,021	30
New Mexico	31	34	38	676	714	950	21.0	25.0	393	342	36
Arizona	7	10	12	175	300	360	30.0	30.0	195	126	35
Utah	49	46	43	1,877	1,840	1,290	40.0	30.0	754	516	40
Nevada	3	3	2	102	105	50	35.0	25.0	55	23	46
Pacific	490	492	448	18,351	19,134	16,151	38.9	36.1	6,988	5,290	33
Washington	147	156	158	7,056	7,566	7,742	48.5	49.0	2,724	2,477	32
Oregon	253	240	223	9,108	8,880	7,136	37.0	32.0	3,108	2,355	33
California	90	96	67	2,187	2,688	1,273	28.0	19.0	1,156	458	36

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 613.—BARLEY: Acreage, Production, and Farm Value, by States

Note.—Weight of a bushel of barley, 48 pounds

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1 farm price		Farm price, Dec. 1, 1931
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bus.*	*1,000 bus.*	*1,000 bus.*	*Bus.*	*Bus.*	*1,000 dollars*	*1,000 dollars*	*Cts. per bus.*
United States	13,523	12,662	11,471	280,242	304,601	198,965	24.1	17.3	118,359	70,119	35
New England	8	8	8	219	236	237	29.5	29.6	197	134	57
Maine	3	3	3	89	96	87	32.0	29.0	78	44	50
Vermont	5	5	5	130	140	150	28.0	30.0	119	90	60
Middle Atlantic	218	214	234	4,796	6,410	5,947	30.0	25.4	4,069	2,789	46
New York	181	168	173	4,000	5,208	4,325	31.0	25.0	3,229	1,946	45
New Jersey	1	1	1	22	32	32	32.0	32.0	21	14	43
Pennsylvania	36	45	60	774	1,170	1,590	26.0	26.5	819	779	49
East North Central	1,462	1,378	1,455	37,942	43,028	38,876	31.3	26.7	21,910	15,687	40
Ohio	91	109	96	2,093	2,943	2,736	27.0	28.5	1,472	876	32
Indiana	37	38	53	781	950	1,293	25.0	24.4	475	388	30
Illinois	400	288	297	10,200	8,640	8,613	30.0	29.0	4,147	3,359	39
Michigan	231	238	278	4,481	6,593	7,228	27.7	26.0	3,626	2,891	40
Wisconsin	703	703	731	20,387	23,902	19,006	34.0	26.0	12,190	8,173	43
West North Central	9,110	8,368	7,480	173,538	186,339	109,557	22.3	14.6	59,938	33,561	31
Minnesota	2,240	1,994	1,874	53,760	53,838	37,480	27.0	20.0	18,843	12,743	34
Iowa	685	548	521	19,865	16,166	13,546	29.5	26.0	6,628	4,606	34
Missouri	10	13	23	135	247	552	19.0	24.0	148	204	37
North Dakota	2,875	2,588	1,812	38,812	43,996	18,482	17.0	10.2	11,439	4,805	26
South Dakota	2,070	1,987	1,833	35,811	42,720	16,680	21.5	9.1	12,389	5,338	32
Nebraska	648	726	854	15,552	18,876	14,091	26.0	16.5	6,607	3,945	28
Kansas	582	512	563	9,603	10,496	8,726	20.5	15.5	3,884	1,920	22
South Atlantic	42	48	56	966	1,094	1,578	22.8	27.7	976	830	53
Maryland	10	12	16	291	384	528	32.0	33.0	288	238	45
Virginia	13	15	17	333	342	570	22.8	33.5	298	256	45
North Carolina	19	21	24	342	368	480	17.5	20.0	390	336	70
East South Central	16	20	29	325	369	718	18.5	24.8	340	355	49
Kentucky	5	7	12	118	140	336	20.0	28.0	116	141	42
Tennessee	11	13	17	207	229	382	17.6	22.5	224	214	56
West South Central	285	251	338	4,919	3,598	7,651	14.3	22.6	1,945	2,145	28
Oklahoma	71	67	117	1,136	838	2,457	12.5	21.0	427	639	26
Texas	194	184	221	3,783	2,760	5,194	15.0	23.5	1,518	1,506	29
Mountain	1,198	1,149	917	24,253	28,600	16,665	23.2	18.2	11,231	6,193	37
Montana	258	232	139	4,128	3,828	1,946	16.5	14.0	1,569	817	42
Idaho	135	148	158	4,320	5,328	4,108	36.0	36.0	2,184	1,561	38
Wyoming	137	130	98	2,808	2,600	1,568	20.0	16.0	1,144	627	40
Colorado	608	572	458	10,944	12,298	7,099	21.5	15.5	4,919	2,201	31
New Mexico	8	9	11	150	180	253	20.0	23.0	112	83	33
Arizona	9	10	10	270	320	320	32.0	32.0	208	176	55
Utah	38	42	38	1,452	1,806	1,216	43.0	32.0	939	632	52
Nevada	5	6	5	181	240	155	40.0	31.0	156	96	62
Pacific	1,204	1,228	953	33,284	36,927	17,736	30.1	18.6	17,753	8,475	43
Washington	54	58	59	1,620	1,827	1,888	31.5	32.0	859	793	42
Oregon	84	76	74	2,562	2,280	2,072	30.0	28.0	1,140	932	45
California	1,066	1,094	820	29,102	32,820	13,776	30.0	16.8	15,754	6,750	49

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 614.—RYE AND RICE: Acreage, Production, and Farm Value, by States

Note.—Weight of a bushel of rye, 56 pounds; rice (rough), 45 pounds

RYE

State	Acreage			Production			Yield per acre		Value, basis Dec. 1, farm price		Farm price, Dec. 1, 1931
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	
United States	*1,000 acres* 3,054	*1,000 acres* 3,543	*1,000 acres* 3,143	*1,000 bushs.* 34,950	*1,000 bushs.* 45,379	*1,000 bushs.* 32,746	*Bush.* 12.8	*Bush.* 10.4	*1,000 dollars* 17,419	*1,000 dollars* 12,673	*Cts. per bush.* 39
New York	20	24	20	300	384	340	16.0	17.0	284	180	53
New Jersey	31	28	21	527	504	357	18.0	17.0	353	189	53
Pennsylvania	127	127	135	1,651	1,842	2,025	14.5	15.0	1,455	1,033	51
Ohio	50	42	74	630	504	1,332	12.0	18.0	338	519	39
Indiana	100	87	126	1,120	1,088	1,827	12.5	14.5	598	621	34
Illinois	48	58	64	696	870	992	15.0	15.5	461	377	38
Michigan	147	140	158	1,632	1,820	2,133	13.0	13.5	1,001	811	38
Wisconsin	188	194	175	2,256	2,425	2,188	12.5	12.5	1,091	963	44
Minnesota	412	424	365	6,633	6,869	5,475	16.2	15.0	2,129	1,916	35
Iowa	45	45	41	698	720	615	16.0	15.0	346	246	40
Missouri	15	14	28	112	140	336	10.0	12.0	108	144	43
North Dakota	986	1,223	819	9,367	14,064	4,914	11.5	6.0	3,375	1,376	28
South Dakota	230	414	373	2,714	6,293	2,723	15.2	7.3	1,573	899	33
Nebraska	244	317	333	2,928	4,121	2,997	13.0	9.0	1,566	989	33
Kansas	14	18	25	147	189	300	10.5	12.0	110	99	33
Delaware	5	5	7	72	70	122	14.0	17.5	63	62	51
Maryland	19	19	21	238	285	378	15.0	18.0	248	189	50
Virginia	42	40	70	437	460	1,141	11.5	16.3	529	628	55
West Virginia	11	11	16	106	126	259	11.5	16.2	121	135	52
North Carolina	54	49	64	432	392	576	8.0	9.0	482	409	71
South Carolina	7	7	8	63	56	76	8.0	9.5	94	70	92
Georgia	12	10	13	72	65	110	6.5	8.5	105	107	97
Kentucky	18	14	24	171	147	360	10.5	15.0	141	191	53
Tennessee	16	14	22	104	98	176	7.0	8.0	106	114	65
Oklahoma	8	7	9	71	70	117	10.0	13.0	48	47	40
Texas	3	2	3	42	20	46	10.0	15.5	13	19	41
Montana	67	68	20	502	442	100	6.5	5.0	110	35	35
Idaho	4	4	3	44	48	30	12.0	10.0	24	14	45
Wyoming	32	30	25	294	255	112	8.5	4.5	84	45	40
Colorado	64	74	53	512	629	371	8.5	7.0	233	115	31
Utah	3	3	3	25	27	15	9.0	5.0	16	9	62
Washington	12	9	10	84	81	75	9.0	7.5	49	41	55
Oregon	20	22	15	270	275	128	12.5	8.5	165	81	63

RICE (ROUGH)

United States	860	959	970	40,604	44,299	45,014	46.2	46.4	34,631	27,402	60.9
Arkansas	156	172	177	7,956	8,170	9,381	47.5	53.0	6,373	5,722	61
Louisiana	465	491	471	18,832	19,149	17,192	39.0	36.5	14,553	10,831	63
Texas	144	186	197	7,603	9,709	10,441	52.2	53.0	7,670	6,369	61
California	95	110	125	6,213	7,271	8,000	66.1	64.0	6,035	4,480	56

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 615.—POTATOES: Acreage, Production, and Farm Value, by States

Note.—Weight of a bushel of potatoes, 60 pounds

Division and State	Acreage			Production			Yield per acre		Value basis Dec. 1 farm price		Farm price Dec. 1, 1931 [1]
	1929	1930	1931 [2]	1929	1930	1931 [2]	1930	1931 [2]	1930	1931 [2]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Bush.*	*Bush.*	*1,000 dollars*	*1,000 dollars*	*Cts. per bu.*
United States	2,978	3,038	3,382	329,134	333,210	376,248	110	111	296,505	161,264	43
New England	218	229	249	55,663	53,565	58,840	234	236	38,096	14,857	25
Maine	171	181	196	49,932	45,250	50,960	250	260	29,412	10,192	20
New Hampshire	8	9	9	1,160	1,665	1,485	185	165	1,748	891	60
Vermont	15	15	17	1,875	2,475	2,550	165	150	2,228	1,275	50
Massachusetts	11	11	13	1,155	1,870	1,625	170	125	2,057	1,056	65
Rhode Island	2	2	2	254	380	300	190	150	437	195	65
Connecticut	11	11	12	1,287	1,925	1,920	175	160	2,214	1,248	65
Middle Atlantic	446	424	434	47,280	48,830	63,064	115	145	48,811	28,120	45
New York	213	198	202	21,513	23,364	28,684	118	142	21,028	11,474	40
New Jersey	38	37	41	4,902	7,511	7,831	203	191	7,135	4,699	60
Pennsylvania	195	189	191	20,865	17,955	26,549	95	139	20,648	11,947	45
East North Central	642	672	741	54,843	50,144	69,499	75	94	46,946	26,524	38
Ohio	105	105	110	10,080	9,240	11,220	88	102	10,164	6,171	55
Indiana	50	51	58	4,200	4,539	4,930	89	85	5,220	2,712	55
Illinois	47	50	55	3,948	3,900	4,675	78	85	4,875	3,039	65
Michigan	225	227	250	15,975	14,301	23,750	63	95	12,156	7,125	30
Wisconsin	215	239	268	20,640	18,164	24,924	76	93	14,531	7,477	30
West North Central	779	730	836	61,719	56,698	58,052	78	69	46,893	22,998	40
Minnesota	330	314	361	25,740	22,608	28,880	72	80	14,695	8,664	30
Iowa	77	70	81	7,700	4,900	4,455	70	55	6,370	2,673	60
Missouri	50	48	49	3,950	4,848	3,675	101	75	4,848	2,572	70
North Dakota	121	97	114	6,776	6,305	8,436	65	74	5,044	2,531	30
South Dakota	56	58	54	4,200	3,654	2,160	63	40	3,471	972	45
Nebraska	101	101	131	9,393	9,595	6,812	95	52	8,156	3,406	50
Kansas	44	42	46	3,960	4,788	3,634	114	79	4,309	2,180	60
South Atlantic	291	333	345	35,094	32,483	38,206	98	111	37,949	25,264	66
Delaware	4	4	5	344	200	540	50	108	230	297	55
Maryland	30	30	32	3,390	2,520	3,360	84	105	2,394	1,848	55
Virginia	103	117	118	15,244	13,689	14,160	117	120	13,689	7,788	55
West Virginia	36	38	40	3,780	2,394	3,200	63	80	3,112	2,560	80
North Carolina	62	76	79	6,138	7,220	8,532	95	108	8,664	5,119	60
South Carolina	20	21	25	2,600	2,835	3,550	135	142	3,686	2,485	70
Georgia	13	15	18	884	1,065	1,224	71	68	1,438	1,163	95
Florida	23	32	28	2,714	2,560	3,640	80	130	4,736	4,004	110
East South Central	119	122	165	10,210	7,969	11,781	65	71	10,488	8,954	76
Kentucky	49	44	55	4,655	2,772	3,960	63	72	3,465	2,970	75
Tennessee	39	41	57	3,159	2,419	3,021	59	53	3,024	2,568	85
Alabama	22	28	39	1,694	2,184	3,666	78	94	3,167	2,566	70
Mississippi	9	9	14	702	594	1,134	66	81	832	850	75
West South Central	139	160	203	10,054	13,327	15,851	83	78	17,297	9,906	62
Arkansas	29	31	43	2,494	2,697	3,784	87	88	3,102	2,081	55
Louisiana	29	34	48	1,653	2,346	3,936	69	82	3,167	1,968	50
Oklahoma	39	38	45	2,925	3,496	3,240	92	72	3,846	1,944	60
Texas	42	57	67	2,982	4,788	4,891	84	73	7,182	3,913	80
Mountain	234	254	288	36,880	50,469	41,850	199	145	32,294	14,269	34
Montana	21	18	19	1,869	1,764	1,805	98	95	1,940	1,083	60
Idaho	82	98	110	15,416	24,500	24,200	250	220	14,700	7,260	30
Wyoming	20	23	32	1,840	3,450	3,360	150	105	2,588	1,512	45
Colorado	90	92	101	14,670	17,480	9,595	190	95	10,488	2,878	30
New Mexico	4	5	5	320	350	385	70	77	402	270	70
Arizona	2	3	3	170	255	255	85	85	319	306	120
Utah	11	12	15	2,035	2,160	1,950	180	130	1,296	780	40
Nevada	4	3	3	560	510	300	170	100	561	180	60
Pacific	110	114	121	17,391	19,725	19,105	173	158	17,731	10,372	54
Washington	44	48	44	7,260	7,680	6,820	160	155	5,760	2,728	40
Oregon	33	33	42	3,366	5,115	5,460	155	130	4,348	2,730	50
California	33	33	35	6,765	6,930	6,825	210	195	7,623	4,914	72

[1] In some of the early and mid-season States prices shown represent approximate seasonal average.
[2] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 616.—SWEETPOTATOES AND TOBACCO: Acreage, Production, and Farm Value

Note.—Weight of a bushel of sweetpotatoes, 54 pounds

SWEETPOTATOES

State	Acreage			Production			Yield per acre		Value basis Dec. 1, farm value		Farm price Dec. 1, 1931
	1929	1930	1930 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Bus.*	*Bus.*	*1,000 dollars*	*1,000 dollars*	*Cts. per bus.*
United States	646	648	778	64,963	53,663	62,904	83	81	48,323	36,132	57
New Jersey	12	12	13	1,500	1,440	1,950	120	150	1,728	1,365	70
Indiana	3	2	4	390	190	540	95	135	256	378	70
Illinois	5	5	6	480	400	636	80	106	460	382	60
Iowa	2	3	3	168	285	300	95	100	513	270	90
Missouri	10	9	10	900	765	900	85	90	842	675	75
Kansas	4	5	6	480	525	570	105	95	578	428	75
Delaware	6	7	8	888	525	1,400	75	175	472	490	35
Maryland	9	9	11	1,629	630	2,013	70	183	567	1,006	50
Virginia	36	37	38	5,076	2,960	4,750	80	125	2,960	1,662	35
North Carolina	60	75	80	6,720	6,750	6,560	90	82	6,075	3,608	55
South Carolina	47	49	53	5,029	4,655	3,180	95	60	3,724	2,067	65
Georgia	85	79	91	7,905	6,320	4,550	80	50	4,740	2,958	65
Florida	20	19	21	1,820	1,520	1,638	80	78	1,444	1,147	70
Kentucky	14	13	21	1,274	845	2,100	65	100	1,014	1,470	70
Tennessee	54	54	68	5,508	4,536	5,440	84	80	4,082	2,992	55
Alabama	68	68	78	6,664	5,780	5,304	85	68	4,913	3,448	65
Mississippi	53	45	63	6,148	3,825	5,355	85	85	2,869	2,678	50
Arkansas	22	23	32	1,870	1,932	2,880	84	90	1,835	1,584	55
Louisiana	67	60	72	4,958	4,200	5,400	70	75	3,780	2,700	50
Oklahoma	16	17	19	1,344	1,190	1,330	70	70	1,190	931	70
Texas	45	47	69	3,420	3,290	4,968	70	72	3,126	2,981	60
California	8	10	12	792	1,100	1,140	110	95	1,155	912	80

TOBACCO

State	*1,000 acres*	*1,000 acres*	*1,000 acres*	*1,000 pounds*	*1,000 pounds*	*1,000 pounds*	*Lbs.*	*Lbs.*	*1,000 dollars* [2]	*1,000 dollars* [2]	*Cents per lb.* [3]
United States	1,987	2,101	2,020	1,537,193	1,635,210	1,610,098	778	797	211,102	156,097	9.7
Massachusetts	8	8	8	11,898	11,728	10,184	1,413	1,340	3,483	2,240	22.0
Connecticut	21	23	23	28,496	32,409	29,295	1,385	1,302	12,024	7,763	26.5
New York	1	1	1	1,012	855	1,170	950	1,300	103	135	11.5
Pennsylvania	41	41	41	51,232	39,854	58,487	965	1,430	2,551	5,849	10.0
Ohio	51	48	54	40,953	45,695	53,622	950	993	5,072	4,665	8.7
Indiana	20	17	17	16,072	12,458	16,060	716	923	1,134	1,574	9.8
Wisconsin	39	43	40	48,125	52,890	47,200	1,230	1,180	5,289	3,776	8.0
Minnesota	2	2	2	1,800	2,875	2,185	1,250	1,150	302	186	8.5
Missouri	5	6	8	4,732	5,679	8,505	916	1,050	875	936	11.0
Maryland	33	35	38	24,750	16,625	31,540	475	830	4,821	7,570	24.0
Virginia	178	186	163	119,794	112,530	106,276	605	652	9,903	7,439	7.0
West Virginia	7	6	7	5,513	3,906	5,328	620	740	656	613	11.5
North Carolina	736	766	689	487,968	585,990	468,520	765	680	75,593	44,041	9.4
South Carolina	118	116	98	87,084	98,600	70,070	850	715	11,832	6,446	9.2
Georgia	98	114	84	89,670	104,538	59,640	917	710	10,767	4,056	6.8
Florida	11	11	9	9,630	9,756	7,598	895	835	2,673	1,710	22.5
Kentucky	486	519	586	392,688	372,123	506,890	717	865	45,399	45,620	9.0
Tennessee	134	157	152	115,776	126,699	127,528	807	839	18,625	11,478	9.0

[1] Preliminary.
[2] Basis seasonal farm price.
[3] Seasonal average price based on sales previous to Dec. 15.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 617.—TAME HAY: Acreage, Production, and Farm Value, by States

Note.—Tons are of 2,000 pounds

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1 farm price		Farm price Dec. 1, 1931
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	1931
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*Tons*	*Tons*	*1,000 dollars*	*1,000 dollars*	*Dolls. per ton*
United States	55,019	52,622	53,449	76,114	63,463	64,233	1.21	1.20	800,694	581,833	9.06
New England	2,945	2,869	2,831	3,321	3,147	3,385	1.09	1.20	42,552	40,303	11.91
Maine	1,003	977	962	928	868	947	.89	.98	9,461	9,375	9.90
New Hampshire	359	350	344	394	387	377	1.11	1.10	5,302	4,449	11.80
Vermont	926	912	907	1,157	1,084	1,213	1.19	1.34	11,924	11,524	9.50
Massachusetts	350	336	334	451	427	481	1.27	1.44	8,070	8,610	17.90
Rhode Island	37	35	34	47	41	44	1.17	1.29	927	854	19.40
Connecticut	270	259	250	344	340	323	1.31	1.29	6,868	5,491	17.00
Middle Atlantic	6,995	6,656	6,652	8,894	7,850	8,794	1.18	1.32	131,156	89,695	10.20
New York	4,221	3,955	3,990	5,353	4,542	5,288	1.15	1.33	65,405	46,534	8.80
New Jersey	216	205	207	318	307	352	1.50	1.70	6,631	4,998	14.20
Pennsylvania	2,558	2,496	2,455	3,223	3,001	3,154	1.20	1.28	59,120	38,163	12.10
East North Central	13,473	12,558	12,176	19,014	13,160	14,263	1.05	1.17	188,303	120,200	8.43
Ohio	2,618	2,455	2,519	3,517	1,839	3,196	.75	1.27	31,999	21,094	6.60
Indiana	1,904	1,710	1,749	2,459	1,416	2,017	.83	1.15	20,674	13,716	6.80
Illinois	2,790	2,485	2,334	3,437	2,453	2,763	.99	1.15	32,134	20,582	7.70
Michigan	2,685	2,548	2,394	3,459	2,460	2,544	.97	1.06	40,098	21,878	8.60
Wisconsin	3,476	3,360	3,180	6,142	4,992	3,833	1.49	1.21	63,398	42,930	11.20
West North Central	14,319	13,518	13,707	19,724	16,269	14,084	1.20	1.03	163,049	105,126	7.46
Minnesota	2,622	2,411	2,536	3,800	3,179	2,756	1.32	1.09	32,426	22,875	8.30
Iowa	3,330	3,099	2,910	5,416	4,214	3,312	1.36	1.14	48,461	27,821	8.40
Missouri	3,541	3,112	2,787	3,526	2,242	2,784	.72	1.00	26,904	18,931	6.80
North Dakota	1,066	1,055	1,571	1,100	1,084	1,097	1.03	.70	7,588	6,363	5.80
South Dakota	1,139	1,178	1,195	1,351	1,076	558	.91	.47	9,146	4,464	8.00
Nebraska	1,530	1,603	1,614	2,727	2,867	2,032	1.79	1.26	22,936	14,630	7.20
Kansas	1,091	1,060	1,094	1,804	1,607	1,545	1.52	1.41	15,588	10,042	6.50
South Atlantic	3,472	3,277	3,708	3,289	2,140	3,479	.65	.94	43,834	41,873	12.04
Delaware	63	60	63	79	60	106	1.00	1.68	1,350	1,166	11.00
Maryland	372	369	381	484	309	469	.84	1.23	7,045	5,628	12.00
Virginia	916	811	904	988	424	993	.52	1.10	9,498	11,916	12.00
West Virginia	713	620	648	739	317	650	.51	1.00	7,291	8,060	12.40
North Carolina	571	623	715	522	532	677	.85	.95	10,268	8,801	13.00
South Carolina	198	200	244	144	144	178	.72	.73	2,707	2,118	11.90
Georgia	561	521	675	288	312	360	.60	.53	4,961	3,600	10.00
Florida	78	73	78	45	42	46	.58	.59	714	584	12.70
East South Central	3,258	2,941	3,325	3,271	1,942	3,300	.66	.99	36,399	33,522	10.16
Kentucky	1,259	1,071	1,154	1,312	629	1,208	.59	1.05	12,391	12,080	10.00
Tennessee	1,280	1,188	1,236	1,272	770	1,175	.65	.95	15,477	12,925	11.00
Alabama	444	432	615	326	306	477	.71	.78	4,621	4,293	9.00
Mississippi	275	250	320	361	237	440	.95	1.38	3,910	4,224	9.60
West South Central	1,616	1,527	1,724	1,939	1,588	2,154	1.04	1.25	20,002	16,806	7.80
Arkansas	496	486	570	530	432	701	.89	1.23	6,394	5,818	8.30
Louisiana	148	152	166	198	187	279	1.23	1.68	2,524	2,455	8.80
Oklahoma	475	398	445	697	490	568	1.23	1.28	5,096	3,806	6.70
Texas	497	491	543	514	479	606	.98	1.12	5,988	4,727	7.80
Mountain	5,553	5,828	5,760	9,572	9,762	7,819	1.68	1.36	91,068	68,762	8.79
Montana	1,440	1,619	1,636	1,737	1,726	1,492	1.07	.91	18,986	13,428	9.00
Idaho	1,055	1,033	1,052	2,280	2,489	2,151	2.41	2.04	20,908	17,638	8.20
Wyoming	715	756	739	980	936	775	1.24	1.05	8,518	7,130	9.20
Colorado	1,255	1,292	1,258	2,255	2,215	1,647	1.71	1.31	20,378	12,517	7.60
New Mexico	152	150	162	304	321	336	2.14	2.07	4,173	3,696	11.00
Arizona	114	120	126	299	332	364	2.77	2.89	4,316	3,276	9.00
Utah	604	636	610	1,296	1,295	831	2.04	1.36	9,712	8,892	10.70
Nevada	218	222	177	421	448	223	2.02	1.26	4,077	2,185	9.80
Pacific	3,388	3,448	3,566	7,090	7,605	6,955	2.21	1.95	84,331	65,546	9.42
Washington	794	804	845	1,458	1,556	1,738	1.94	2.06	20,695	14,947	8.60
Oregon	873	929	957	1,617	1,768	1,538	1.90	1.61	16,973	13,073	8.50
California	1,721	1,715	1,764	4,015	4,281	3,679	2.50	2.09	46,663	37,526	10.20

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 618.—WILD HAY: Acreage, Production, and Farm Value, by States

Note.—Tons are of 2,000 pounds

Division and State	Acreage			Production			Yield per acre		Value, basis Dec. 1 farm price		Farm price Dec. 1
	1929	1930	1931 [1]	1929	1930	1931 [1]	1930	1931 [1]	1930	1931 [1]	1931
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 tons*	*1,000 tons*	*1,000 tons*	*Tons*	*Tons*	*1,000 dollars*	*1,000 dollars*	*Dolls. per ton*
United States	**13,586**	**13,793**	**11,977**	**11,194**	**10,751**	**8,133**	**0.78**	**0.68**	**76,345**	**50,277**	**6.18**
New England	28	26	26	27	23	25	.88	.96	233	210	8.40
Maine	5	5	5	5	4	5	.80	1.00	34	35	7.00
New Hampshire	4	4	4	3	3	4	.70	.90	24	28	7.00
Vermont	6	6	6	5	5	5	.80	.85	37	32	6.30
Massachusetts	7	6	6	7	6	6	.92	.97	66	61	10.20
Rhode Island	1	1	1	1	1	1	.80	.80	16	10	10.00
Connecticut	5	4	4	6	4	4	1.00	1.10	56	44	11.00
Middle Atlantic	70	71	63	72	75	69	1.06	1.10	772	495	7.17
New York	45	45	38	45	52	42	1.15	1.10	504	252	6.00
New Jersey	13	13	13	18	14	14	1.10	1.10	151	133	9.50
Pennsylvania	12	13	12	9	9	13	.70	1.05	117	110	8.50
East North Central	253	314	317	274	317	311	1.01	.98	2,551	1,969	6.33
Ohio	3	4	5	3	2	4	.50	.75	23	22	5.50
Indiana	8	8	8	8	7	7	.87	.89	69	34	4.80
Illinois	23	18	16	22	14	14	.80	.85	137	95	6.80
Michigan	31	40	39	34	38	37	.95	.95	376	200	5.40
Wisconsin	188	244	249	207	256	249	1.05	1.00	1,946	1,618	6.50
West North Central	10,119	10,282	8,892	7,907	7,780	5,580	.76	.63	49,767	32,276	5.78
Minnesota	1,889	1,889	1,776	1,795	1,795	1,332	.95	.75	12,565	7,726	5.80
Iowa	222	205	185	244	195	130	.95	.70	1,706	910	7.00
Missouri	123	129	135	123	103	135	.80	1.00	803	648	4.80
North Dakota	1,781	1,799	1,349	1,336	1,439	809	.80	.60	8,058	4,288	5.30
South Dakota	2,340	2,457	1,769	1,310	1,351	884	.55	.50	8,241	6,100	6.90
Nebraska	2,845	2,902	2,786	2,134	2,176	1,532	.75	.55	13,491	9,345	6.10
Kansas	919	901	892	965	721	758	.80	.85	4,903	3,259	4.30
South Atlantic	75	84	80	71	60	74	.71	.92	840	688	9.30
Delaware	2	2	2	2	2	3	1.00	1.50	30	18	6.00
Maryland	2	3	5	2	2	4	.65	.90	30	36	9.00
Virginia	9	8	9	8	4	7	.50	.80	68	63	9.00
West Virginia	6	11	6	5	4	5	.40	.81	70	50	9.00
North Carolina	23	25	24	26	19	26	.75	1.10	266	247	9.50
South Carolina	11	12	11	8	8	9	.64	.80	111	104	11.50
Georgia	18	19	19	16	18	17	.95	.90	223	136	8.00
Florida	4	4	4	4	3	3	.85	.70	42	34	11.40
East South Central	143	141	128	132	90	115	.64	.90	1,172	819	7.12
Kentucky	15	13	10	14	10	9	.75	.90	128	58	6.50
Tennessee	48	48	38	40	25	30	.53	.80	362	216	7.20
Alabama	42	42	42	36	32	34	.75	.80	394	272	8.00
Mississippi	38	38	38	42	23	42	.60	1.10	288	273	6.50
West South Central	832	890	864	862	685	770	.77	.89	6,211	4,363	5.67
Arkansas	141	169	152	147	101	167	.60	1.10	1,071	918	5.50
Louisiana	18	20	26	22	13	30	.65	1.15	138	180	6.00
Oklahoma	482	506	481	492	405	399	.80	.83	3,159	1,995	5.00
Texas	191	195	205	201	166	174	.85	.85	1,843	1,270	7.30
Mountain	1,668	1,594	1,257	1,437	1,307	882	.82	.70	11,364	7,102	8.05
Montana	638	574	402	478	373	241	.65	.60	3,805	1,928	8.00
Idaho	95	97	93	100	87	93	.90	1.00	618	651	7.00
Wyoming	326	310	263	277	232	132	.75	.50	1,833	1,241	9.40
Colorado	362	366	362	344	366	290	1.00	.80	3,221	2,175	7.50
New Mexico	23	23	23	20	18	21	.80	.90	178	168	8.00
Arizona	9	12	12	8	12	13	1.00	1.10	120	113	8.70
Utah	69	69	66	79	76	63	1.10	.95	517	548	8.70
Nevada	146	143	36	131	143	29	1.00	.80	1,072	278	9.60
Pacific	398	391	350	412	414	307	1.06	.88	3,435	2,355	7.67
Washington	31	31	31	36	37	36	1.20	1.15	411	281	7.80
Oregon	234	222	222	236	211	189	.95	.85	1,646	1,418	7.50
California	133	138	97	140	166	82	1.20	.85	1,378	656	8.00

[1] Preliminary.

Source: Bureau of Agricultural Economics, Department of agriculture.

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No. 619.—MINOR CROPS: AREA, PRODUCTION, AND FARM VALUE, BY STATES

NOTE.—Number of pounds to a bushel: Flaxseed, 56; grain sorghums, approximately, 56; beans, 60

Crop and state	Average			Production			Yield per acre		Value, basis Dec. 1 farm price		Farm price Dec. 1, 1931
	1929	1930	1931	1929	1930	1931	1930	1931	1930	1931	
	1,000 acres	*1,000 acres*	*1,000 acres*	*1,000 bushels*	*1,000 bushels*	*1,000 bushels*	*Bushels*	*Bushels*	*1,000 dollars*	*1,000 dollars*	*Cents per bu.*
Flaxseed, total	**3,047**	**3,732**	**2,313**	**15,910**	**21,240**	**11,018**	**5.7**	**4.8**	**29,684**	**13,243**	**120**
Wisconsin	7	7	7	77	77	66	11.0	9.5	120	81	123
Minnesota	512	742	861	4,608	7,420	6,027	10.0	7.0	10,759	7,413	123
Iowa	13	20	27	117	230	216	11.5	8.0	356	259	120
Missouri	2	2	2	10	14	10	7.0	5.0	21	10	100
North Dakota	1,421	1,677	1,006	6,394	7,882	3,521	4.7	3.5	10,956	4,120	117
South Dakota	669	702	185	3,144	3,299	462	4.7	2.5	4,388	541	117
Nebraska	20	28	6	140	154	21	5.5	3.5	192	20	95
Kansas	23	37	61	126	240	336	6.5	5.5	374	403	120
Montana	362	481	144	1,195	1,780	331	3.7	2.3	2,332	364	110
Wyoming	18	36	14	99	144	28	4.0	2.0	186	32	115
Grain sorghums, total [1]	**6,131**	**6,586**	**7,152**	**81,041**	**64,416**	**104,529**	**9.8**	**14.6**	**40,949**	**31,370**	**80**
Missouri	61	65	76	915	975	1,444	15.0	19.0	780	1,011	70
Nebraska	15	12	15	225	204	218	17.0	14.5	163	142	65
Kansas	959	988	1,107	14,385	10,374	17,712	10.5	16.0	6,743	5,314	30
Oklahoma	1,198	1,335	1,443	13,178	8,678	12,987	6.5	9.0	5,207	3,896	30
Texas	3,331	3,593	3,871	43,303	35,930	60,000	10.0	15.5	23,354	17,400	29
Colorado	175	180	191	1,838	2,340	2,101	13.0	11.0	1,170	483	23
New Mexico	293	297	356	4,571	2,435	7,832	8.2	22.0	1,096	1,880	24
Arizona	21	30	24	567	900	648	30.0	27.0	630	292	45
California	78	86	69	2,059	2,580	1,587	30.0	23.0	1,806	952	60
Beans, dry, edible, total	**1,836**	**2,091**	**1,860**	**20,514**	**23,063**	**21,298**	**11.0**	**11.5**	**53,719**	**31,199**	*Dolls. per bag* [2] **2.46**
New York	103	124	120	1,236	1,153	2,160	9.3	18.0	3,841	3,888	3.00
Michigan	575	690	614	5,232	4,209	5,526	6.1	9.0	10,858	6,964	2.10
Montana	47	49	37	752	882	592	18.0	16.0	2,169	568	1.60
Idaho	134	168	178	2,680	3,192	3,471	19.0	19.5	5,745	3,020	1.45
Wyoming	31	37	36	496	740	612	20.0	17.0	1,776	642	1.75
Colorado	372	432	320	2,232	4,320	1,376	10.0	4.3	5,832	1,487	1.80
New Mexico	167	169	161	1,653	760	1,208	4.5	7.5	1,140	1,522	2.10
California	339	363	334	5,768	7,238	5,905	19.9	17.7	20,467	12,134	3.50
Other States	68	59	60	465	569	448	9.6	7.5	1,891	974	3.62
Broom corn, total	**310**	**391**	**309**	*Tons* **47,300**	*Tons* **49,800**	*Tons* **47,900**	*Pounds* **254.7**	*Pounds* **310.0**	**3,668**	**2,450**	*Dolls. per ton* **51**
Illinois	21	28	33	5,300	7,800	9,900	555	600	858	663	67
Missouri	1	1	1	200	100	200	220	320	8	12	60
Kansas	50	60	24	7,000	7,400	3,600	246	298	444	180	50
Oklahoma	125	164	151	17,900	17,100	19,600	208	260	1,402	1,019	52
Texas	10	10	11	1,500	1,400	1,600	285	300	105	66	41
Colorado	64	77	46	9,200	10,400	5,800	270	250	530	244	42
New Mexico	39	51	43	6,200	5,600	6,200	220	336	319	266	37
Peanuts, total [3]	**2,001**	**1,862**	**2,172**	*1,000 pounds* **1,341,416**	*1,000 pounds* **1,176,700**	*1,000 pounds* **1,554,410**	**632**	**716**	**38,226**	**29,189**	*Cents per lb.* **1.9**
Virginia	154	139	153	158,620	100,080	165,240	720	1,080	3,102	3,140	1.9
North Carolina	243	231	281	247,860	207,900	323,150	900	1,150	6,861	6,786	2.1
South Carolina	16	16	20	11,760	11,200	13,000	700	650	448	455	3.5
Georgia	615	575	723	399,750	373,750	477,180	650	660	12,334	7,158	1.5
Florida	240	251	297	144,000	140,560	172,260	560	580	4,638	3,796	2.2
Tennessee	16	13	9	12,160	7,150	6,300	550	700	236	120	2.0
Alabama	337	364	382	185,350	218,400	229,200	600	600	6,115	3,438	1.5
Mississippi	20	18	25	12,800	9,360	16,250	520	650	562	650	4.0
Arkansas	28	18	27	15,792	8,550	15,120	475	560	385	605	4.0
Louisiana	12	12	17	6,480	4,980	10,200	415	600	299	510	5.0
Oklahoma	102	31	37	55,284	14,260	19,980	460	540	428	400	2.0
Texas	218	194	201	91,560	80,510	106,530	415	530	2,818	2,131	2.0

[1] For all purposes; production includes gain equivalent on forage acreage.
[2] Bags of 100 pounds.
[3] Acreage includes that planted in corn reduced to equivalent solid acres as well as that grown alone; production includes peanuts hogged or otherwise utilized as well as those gathered. Value (exclusive of hay saved) computed from price of gathered peanuts.

Source: Bureau of Agriculture Economics, Department of Agriculture

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No. 620.—ORCHARD CROPS: PRODUCTION, TOTAL AND IN LEADING STATES

NOTE.—The approximate number of pounds to a bushel are as follows: Apples, 45; peaches, 48; pears, 50

[In thousands of bushels]

State	1909	1919	1929	1930	1931
APPLES					
U. S.	145,412	136,561	126,433	155,982	211,506
Me.	3,636	4,829	2,173	2,170	1,310
N. H.	1,108	1,364	791	1,256	578
Vt.	1,460	960	975	762	800
Mass.	2,550	3,187	2,219	4,389	1,713
Conn.	1,541	1,395	754	1,615	675
N. Y.	25,409	14,350	13,992	24,200	19,100
N. J.	1,407	1,666	2,149	4,242	3,520
Pa.	11,048	5,513	6,040	9,936	14,000
Ohio	4,664	2,976	2,541	3,500	14,790
Ind.	2,759	926	1,085	1,240	3,990
Ill.	3,093	4,673	3,026	3,708	8,961
Mich.	12,332	5,843	6,760	5,223	9,620
Wis.	2,232	1,306	1,907	1,015	1,820
Minn.	1,044	1,028	905	391	1,139
Iowa	6,747	1,810	1,539	975	1,755
Mo.	9,259	5,132	2,000	1,560	8,000
Nebr.	3,321	907	634	396	600
Kans.	1,356	1,749	1,308	601	2,020
Del.	183	606	910	1,600	1,785
Md.	1,823	1,519	2,087	1,650	3,582
Va.	6,104	8,943	13,054	7,700	21,889
W. Va.	4,225	4,189	5,716	4,306	12,954
N. C.	4,776	1,938	2,465	2,555	5,475
Ga.	896	417	643	1,126	1,500
Ky.	7,368	1,281	1,318	935	5,390
Tenn.	4,640	1,259	1,297	1,300	3,780
Ala.	888	577	437	608	1,100
Ark.	2,296	7,164	1,273	1,441	4,200
Okla.	742	1,597	487	226	400
Mont.	567	674	555	505	434
Idaho	660	3,646	4,879	5,200	5,000
Colo.	3,559	3,418	2,251	1,060	2,090
N. Mex.	417	939	1,136	448	1,089
Utah	350	760	610	1,100	400
Wash.	2,672	21,569	25,782	37,850	31,400
Oreg.	1,931	6,921	3,506	6,200	4,150
Calif.	4,935	7,842	6,073	11,644	9,112
Other States	1,411	1,686	1,156	1,349	1,385
PEACHES					
U. S.	35,470	50,686	42,827	[1]53,864	[1]77,743
N. Y.	1,736	1,262	1,045	1,580	1,700
N. J.	441	1,653	1,990	1,340	2,200
Pa.	1,024	1,100	1,234	1,025	2,720
Ohio	1,036	618	478	300	2,500
Ind.	1,174	82	978	12	1,470
Ill.	1,223	450	2,864	(2)	4,300
Mich.	1,687	448	998	780	1,935
Mo.	1,485	1,263	864	24	1,500
PEACHES—continued					
Del.	17	227	401	190	500
Md.	325	564	655	300	800
Va.	243	682	1,058	270	1,600
W. Va.	329	706	489	122	1,030
N. C.	1,344	479	1,326	1,800	3,128
S. C.	643	390	690	1,190	1,784
Ga.	2,555	4,789	3,246	5,500	9,134
Ky.	1,623	460	530	70	1,280
Tenn.	1,579	1,285	1,325	600	2,820
Ala.	1,417	1,083	505	1,105	1,530
Miss.	1,157	776	560	638	1,060
Ark.	1,902	3,341	1,838	84	3,600
Okla.	358	2,925	1,116	80	400
Tex.	730	4,621	2,073	750	1,581
Colo.	692	721	953	787	1,130
Utah	143	884	604	370	550
Wash.	84	1,545	1,164	556	1,050
Oreg.	179	504	227	280	224
Calif.	9,267	5,969	12,299	[1]33,169	[1]24,460
Other States	1,094	2,086	1,318	942	1,757
PEARS					
U. S.	8,841	14,204	18,500	[1]25,540	[1]23,009
N. Y.	1,343	1,830	701	1,935	805
N. J.	463	402	72	104	96
Pa.	379	421	195	438	448
Ohio	375	157	204	220	510
Ind.	320	109	185	111	244
Ill.	249	375	539	265	765
Mich.	666	405	345	602	450
Mo.	143	431	447	177	539
Kans.	19	221	256	118	220
Md.	367	287	113	81	149
Va.	74	288	402	100	510
West Va.	30	33	65	24	129
N. C.	84	112	196	115	323
S. C.	66	99	89	87	118
Ga.	150	178	152	155	204
Ky.	252	55	256	58	300
Tenn.	84	115	276	142	335
Ala.	100	163	225	316	357
Miss.	101	121	171	212	263
Ark.	38	124	149	94	210
Okla.	7	250	311	66	95
Tex.	111	637	510	392	400
Colo.	133	269	528	146	385
Wash.	311	1,729	2,682	4,463	3,650
Oreg.	375	761	2,483	3,200	1,995
Calif.	1,928	3,953	6,318	[1]11,334	[1]8,917
Other States	673	680	631	585	592

[1] Production for California includes some estimated quantities not harvested on account of market conditions as follows: Peaches—1930, 16,818,000 bushels; 1931, 12,001,000 bushels, including 6,180,000 bushels in 1930 and 3,938,000 bushels in 1931 that were purchased but left on the trees. Pears—1930, 1,292,000 bushels; 1931, 458,000 bushels.

[2] Too small to estimate.

Source: 1909, 1919, and 1929, enumerations of Bureau of the Census; 1930 and 1931, estimates of Department of Agriculture.

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No. 621.—ORCHARD CROPS: UNITED STATES PRODUCTION

[In thousands of bushels. For weights of the bushel see headnote Table 620]

Yearly average or year	Apples	Peaches	Pears	Year	Apples	Peaches	Pears
1891–1895	157,693	----------	----------	1923	202,842	45,382	17,845
1896–1900	179,143	----------	----------	1924	171,725	53,848	18,866
1901–1905	182,672	38,166	----------	1925	172,389	46,562	20,720
1906–1910	154,454	39,684	----------	1926	246,609	[1] 69,865	25,249
1911–1915	215,572	49,027	11,341	1927	123,693	[1] 45,463	18,373
1916–1920	179,208	43,632	14,066	1928	186,893	[1] 68,369	24,212
1921–1925	169,732	46,849	17,887	1929	135,622	45,026	21,172
1926–1930	172,705	56,554	23,120	1930	155,982	[1] 53,864	[1] 25,540
1921	99,002	32,602	11,297	1931	211,506	[1] 77,743	[1] 23,009
1922	202,702	55,852	20,705				

[1] Includes some estimated quantities not harvested or not utilized. See footnote 1, Table 620.

No. 622.—ORCHARD CROPS: FARM PRICES PER BUSHEL

Division and State	Apples, Dec. 1					Peaches[1]					Pears[1]		
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931	1929	1930	1931
United States	$1.39	$0.99	$1.31	$0.93	$0.58	$1.18	$0.99	$1.35	$0.89	$0.56	$1.43	$0.75	$0.60
New England:													
Maine	1.00	1.00	1.10	.65	.80						1.85	1.70	1.30
New Hampshire	1.30	1.10	1.25	.60	.95	2.20	2.40	2.00	2.00	1.55	1.60	1.50	1.40
Vermont	1.50	1.50	1.50	1.30	1.05						1.85	1.60	1.50
Massachusetts	1.40	1.25	1.40	.80	1.05	2.10	2.30	2.10	1.60	1.25	1.80	1.20	1.30
Rhode Island	1.80	1.30	1.50	.90	.95	2.10	2.30	2.50	1.80	1.40	2.00	1.25	1.30
Connecticut	1.70	1.30	1.80	.90	1.10	2.20	1.90	2.00	1.30	1.40	2.00	1.15	1.60
Middle Atlantic:													
New York	1.45	1.10	1.45	.80	.65	1.90	1.45	1.80	1.15	.65	1.85	.90	.90
New Jersey	1.45	1.10	1.75	.95	.70	1.50	1.35	1.15	1.70	.65	1.60	.90	.65
Pennsylvania	1.40	1.15	1.55	.95	.55	2.00	1.55	1.75	1.70	65	1.55	1.10	.65
East North Central:													
Ohio	1.50	1.30	1.80	1.30	.45	1.95	1.55	1.95	1.95	.55	1.40	1.15	.50
Indiana	1.80	1.30	1.70	1.35	.50	2.35	1.60	1.60	2.00	.55	.85	.90	.40
Illinois	1.75	1.30	1.65	1.40	.50	2.05	1.40	1.35	1.60	.50	.90	.95	.45
Michigan	1.50	1.30	1.30	1.05	.50	2.10	1.55	1.90	1.65	.60	1.35	1.05	.65
Wisconsin	1.70	1.10	1.25	1.45	.85								
West North Central:													
Minnesota	1.40	1.00	1.35	1.60	.85								
Iowa	1.95	1.50	1.80	1.80	.90	1.95	1.50	1.50	1.70	.90	1.35	1.45	.90
Missouri	1.80	1.25	1.35	1.40	.55	1.90	1.55	1.40	1.95	.65	.95	1.10	.55
South Dakota	1.60	1.30	1.80	1.50	1.00								
Nebraska	1.40	1.40	1.40	1.60	.90	1.60	2.00	1.65	1.90	1.05	1.50	1.55	1.00
Kansas	1.45	1.40	1.55	1.55	.60	1.75	1.90	1.55	1.75	.90	1.10	1.15	.65
South Atlantic:													
Delaware	1.60	1.10	1.35	.95	.55	1.10	1.20	1.10	1.60	.45	.50	.55	.40
Maryland	1.25	.90	1.20	.80	.45	1.50	1.30	1.20	1.50	.60	.80	.85	.45
Virginia	1.35	.85	1.10	.95	.40	1.60	1.40	1.00	1.60	.60	.90	1.35	.50
West Virginia	1.60	.90	1.30	1.10	.40	2.10	1.50	1.55	1.80	.55	1.40	1.70	.70
North Carolina	1.65	.90	1.25	1.05	.55	1.70	1.15	1.40	1.35	.65	1.20	1.30	.70
South Carolina	1.75	1.25	1.50	1.30	.80	1.50	1.10	1.35	1.35	.70	1.25	1.15	.75
Georgia	1.70	1.10	1.40	1.10	.65	1.35	.90	1.15	1.15	.55	1.05	1.05	.70
Florida						1.75	1.35	1.70	1.20	.95	1.05	1.05	.70
East South Central:													
Kentucky	1.80	1.00	1.45	1.35	.45	1.90	1.25	1.45	1.75	.55	1.00	1.35	.50
Tennessee	1.80	1.10	1.40	1.15	.55	1.70	1.10	1.25	1.35	.50	1.05	1.15	.55
Alabama	1.85	1.45	1.55	1.35	.70	1.50	1.10	1.30	1.20	.65	1.15	1.00	.65
Mississippi	1.65	1.45	1.65	1.25	.80	1.65	1.45	1.50	1.45	.75	1.05	.95	.60
West South Central:													
Arkansas	1.55	1.20	1.30	1.10	.50	1.40	1.20	1.20	1.60	.55	1.20	1.30	.55
Louisiana	1.50	1.50	1.75	1.50	.95	1.80	1.60	1.70	1.75	1.05	1.35	1.30	.90
Oklahoma	1.60	1.35	1.35	1.30	.80	1.30	1.30	1.00	1.30	.90	1.05	1.20	.90
Texas	2.10	1.55	1.55	1.45	.85	1.60	1.30	1.25	1.40	.90	1.00	1.10	.80
Mountain:													
Montana	1.30	.90	1.30	1.20	.80								
Idaho	1.10	.75	1.10	.75	.50	1.60	1.05	1.35	2.00	.75	1.70	1.30	1.10
Wyoming	1.50	1.35	1.50	1.30	.95								
Colorado	1.10	.65	.95	.85	.60	1.20	1.20	1.45	1.45	.50	1.50	1.30	.60
New Mexico	1.80	1.25	1.45	1.35	.65	2.20	1.95	1.80	1.90	1.15	1.40	1.45	.80
Arizona	1.90	1.90	1.85	1.80	1.40	2.30	2.00	1.80	1.80	1.45	2.45	2.10	1.35
Utah	1.10	.80	.95	.60	.80	1.20	.95	1.00	1.35	.50	1.50	1.25	1.20
Nevada	1.85	1.50	1.60	1.50	1.15	2.30	2.00	2.25	2.00	2.00	1.35	2.20	2.00
Pacific:													
Washington	1.30	.90	1.30	.95	.75	1.75	1.00	1.35	1.35	.65	1.40	.75	.50
Oregon	1.10	.90	1.10	.75	.55	1.60	1.40	1.70	1.15	1.10	1.40	.75	.70
California	.90	.50	.90	.55	.65	.60	.55	1.36	.54	.43	1.65	.55	.58

[1] Seasonal.

Source of Tables 621 and 622: Bureau of Agricultural Economics, Department of Agriculture.

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No. 623.—SUGAR PRODUCTION: CONTINENTAL UNITED STATES AND CERTAIN OUTLYING AREAS, AND WORLD TOTAL

[In thousands of tons of 2,000 pounds. Data represents predominantly raw sugar except as noted]

Yearly average, or year beginning July 1—	Continental United States and outlying areas	Continental United States			Puerto Rico [2]	Hawaii [3]	Philippine Island [4]	World total	Per cent of world total in—	
		Total (in terms of raw) [1]	Beet (chiefly refined)	Cane (chiefly raw)					Continental United States	U. S. and outlying areas
1870–1874	281	73	(5)	72	95	[6] 13	110	(7)	(7)	(7)
1875–1879	347	96	(5)	96	78	20	152	(7)	(7)	(7)
1880–1884	476	131	1	130	87	64	195	(7)	(7)	(7)
1885–1889	542	153	1	152	73	119	196	(7)	(7)	(7)
1890–1894	759	284	14	271	63	145	266	(7)	(7)	(7)
1895–1899	812	326	48	279	56	256	174	10,844	3.0	7.5
1900–1904	1,141	543	194	348	115	389	94	13,321	4.1	8.6
1905–1909	1,692	808	440	361	255	489	141	15,793	5.1	10.7
1910–1914	2,251	986	652	285	363	593	309	19,863	5.0	11.3
1915–1919	2,576	1,069	789	220	466	594	447	18,873	5.7	13.6
1920–1924	2,917	1,233	951	[8] 211	477	622	585	22,093	5.6	13.2
1925–1929	3,557	1,189	996	[8] 118	687	861	820	28,899	4.1	12.3
1925	3,119	1,121	913	[8] 139	603	787	607	27,989	4.0	11.1
1926	3,218	1,011	897	[8] 47	629	811	767	26,624	3.8	12.1
1927	3,699	1,246	1,093	[8] 71	749	897	808	28,515	4.4	13.0
1928	3,693	1,273	1,061	[8] 132	587	899	934	30,702	4.1	12.0
1929	4,056	1,294	1,018	[8] 200	866	912	984	30,662	4.2	13.2
1930	4,194	1,482	1,208	[8] 184	783	989	[9] 940	31,935	4.6	13.1
1931 (preliminary)	4,337	1,399	1,156	[8] 157	988	[9] 1,000	[9] 950	28,961	4.8	15.0

[1] Beet sugar not converted to raw prior to 1909. [2] For 1900 to 1906, shipments to the United States. [3] Statistics for 1874 to 1880 represent exports. [4] Exports 1871 to 1911, production 1912 and subsequently. [5] Less than 500. [6] One year only. [7] Not available. [8] Louisiana only, beginning 1924. [9] Unofficial estimate; data for Philippine Islands representing estimated commercial crop.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 624.—SUGAR: PRODUCTION, TRADE, AND SUPPLY AVAILABLE FOR CONSUMPTION, CONTINENTAL UNITED STATES

Yearly average or year beginning July 1—	Production (beet and cane only)	Brought in from insular areas [1]	Imports as sugar [2]	Exports as sugar [3]	Exports in other forms [4]	Available for consumption [5]	
						Total	Per capita
	In terms of raw sugar [6]						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1870–1874	72,508	----------	777,685	5,269	(7)	844,924	40.7
1875–1879	96,444	----------	830,375	23,820	(7)	902,999	38.1
1880–1884	131,073	----------	1,151,724	39,347	(7)	1,243,449	46.5
1885–1889	152,879	----------	1,414,647	43,136	(7)	1,524,389	50.9
1890–1894	284,346	----------	1,864,201	16,903	(7)	2,131,644	64.3
1895–1899	326,362	----------	1,943,678	5,660	(7)	2,264,380	62.2
1900–1904	542,798	500,764	1,839,377	7,301	(7)	2,875,638	71.7
1905–1909	808,015	751,650	1,956,304	32,423	(7)	3,483,547	78.9
1910–1914	985,531	1,038,605	2,187,469	91,554	15,164	4,104,886	85.7
1915–1919	1,069,086	1,066,272	2,834,957	642,023	44,538	4,283,754	83.3
1920–1924	1,232,959	1,314,489	3,721,100	448,697	36,102	5,783,749	104.4
1925–1929	1,189,000	2,015,035	3,643,910	158,468	31,270	6,658,207	111.9
1916	1,193,107	1,203,938	2,527,984	676,752	29,211	4,219,066	83.2
1917	1,068,437	975,684	2,344,816	305,429	46,131	4,037,377	78.5
1918	1,102,421	1,073,944	2,799,962	568,566	36,747	4,371,013	83.8
1919	903,060	975,735	3,812,955	776,502	98,386	4,816,862	91.1
1920	1,346,811	1,076,342	3,228,279	319,589	89,491	5,242,852	97.7
1921	1,424,726	1,340,867	3,940,777	1,085,349	31,397	5,589,624	102.5
1922	1,021,360	1,235,049	4,068,205	412,196	12,568	5,899,849	106.6
1923	1,111,898	1,274,870	3,436,955	152,883	24,617	5,646,223	100.5
1924	1,260,000	1,645,319	3,931,282	273,470	22,436	6,540,695	114.7
1925	1,121,000	1,981,482	3,895,947	325,804	24,998	6,647,627	114.9
1926	1,011,000	1,689,347	3,968,997	124,555	26,303	6,518,486	111.1
1927	1,246,000	2,051,659	3,415,830	115,566	29,833	6,568,090	110.4
1928	1,273,000	1,974,899	4,115,601	139,324	31,894	7,192,282	119.2
1929	1,294,000	2,377,787	2,823,173	87,092	43,320	6,364,548	104.0
1930	1,482,000	2,603,733	2,416,400	77,131	33,026	6,391,976	103.4
1931	1,399,000	(8)	(8)	(8)	(8)	(8)	(8)

[1] Includes Hawaii, Puerto Rico, and the Philippine Islands; Virgin Islands included after 1916.
[2] Imports from the Philippine Islands excluded beginning 1900; reexports deducted.
[3] Includes shipments to Hawaii and Puerto Rico. Excludes direct exports from them to foreign countries and also reexports of imported raw sugar.
[4] Sugar used in the manufacture of other commodities for export on which drawback was paid.
[5] Stocks at the beginning or end of year ignored.
[6] Except beet sugar production and exports prior to 1909 which are chiefly refined.
[7] Not computed. [8] Not yet available.

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No. 624.—Sugar: Production, Trade, and Supply Available for Consumption, Continental United States—Continued

Year beginning July 1—	Production	Brought in from insular areas	Imports as sugar	Exports as sugar	Exports in other forms	Available for consumption	
						Total	Per capita
	In terms of refined sugar [9]						
	Short tons	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Short tons*	*Pounds*
1923	1,034,615	1,198,777	3,214,883	142,217	22,943	5,283,115	94.0
1924	1,172,000	1,547,587	3,674,563	254,391	20,911	6,118,848	107.3
1925	1,043,000	1,859,332	3,634,323	303,073	23,298	6,210,284	107.3
1926	941,000	1,588,981	3,714,054	115,865	24,514	6,103,656	104.0
1927	1,159,000	1,930,732	3,196,443	107,704	27,805	6,150,666	103.3
1928	1,184,000	1,858,331	3,851,311	129,846	29,726	6,734,070	111.6
1929	1,204,000	2,239,140	2,641,709	81,167	40,375	5,963,307	97.5
1930	1,379,000	2,451,609	2,261,189	71,884	30,781	5,989,133	96.9
1931	1,301,000	[8]	[8]	[8]	[8]	[8]	[8]

[8] Not yet available.
[9] Raw sugar converted to refined by multiplying by the following factors: Cuba and Hawaii, 0.9358; Puerto Rico, 0.9393; Philippine Islands, 0.95; all others, 0.932.

No. 625.—SUGAR, RAW: Percentages Relating to Sugar Consumption in Continental United States

Yearly average or year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from [1]—			Year beginning July 1—	Per cent of world production retained for consumption	Per cent of consumption from [1]—		
		Domestic	Noncontiguous territory	All foreign countries			Domestic	Noncontiguous territory	All foreign countries
1870–1874	[2]	8.6	13.4	78.0	1916	22.7	28.3	28.5	43.2
1875–1879	[2]	10.7	13.5	75.8	1917	19.9	26.5	24.2	49.4
1880–1884	[2]	10.5	17.1	72.4	1918	23.3	25.2	24.6	50.2
1885–1889	[2]	10.0	18.8	71.2	1919	26.8	18.7	20.3	61.0
1890–1894	[2]	13.3	11.1	75.6	1920	26.8	25.7	20.5	53.8
1895–1899	20.9	14.4	13.4	72.1	1921	27.2	25.5	24.0	50.5
1900–1904	21.6	18.9	17.4	63.7	1922	28.3	17.3	20.9	61.8
1905–1909	22.0	23.0	21.6	55.3	1923	24.8	19.7	22.6	57.7
1910–1914	20.7	24.0	25.3	50.7	1924	24.5	19.3	25.2	55.6
1915–1919	22.7	25.0	24.9	50.2	1925	23.8	16.9	29.8	53.3
1920–1924	26.2	21.3	22.7	56.0	1926	24.5	15.5	25.9	58.6
1925–1929	23.1	17.9	30.3	51.9	1927	23.0	19.0	31.2	49.8
1913	21.0	24.5	21.1	54.4	1928	23.4	17.7	27.5	54.8
1914	20.8	23.6	25.3	51.1	1929	20.8	20.3	37.4	42.3
1915	21.0	27.1	27.7	45.1	1930	20.0	23.2	40.7	36.1

[1] Exports assumed to be wholly from sugar imported from foreign countries. [2] Not available.

No. 626.—SUGAR: Wholesale Prices of Raw and Refined, New York

[Cents per pound]

Yearly average or year	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated	Year and month	Raw, 96° centrifugal	Refined, granulated
1891–1895	3.5	4.4	1929			1930			1931		
1896–1900	4.1	4.8	Jan	3.8	5.0	Jan	3.7	5.1	Jan	3.4	4.6
1901–1905	3.9	4.9	Feb	3.7	4.9	Feb	3.7	4.9	Feb	3.3	4.5
1906–1910	4.0	4.8	Mar	3.7	4.8	Mar	3.6	4.9	Mar	3.3	4.3
1911–1915	4.1	5.0	Apr	3.7	4.8	Apr	3.5	4.8	Apr	3.3	4.4
1916–1920	7.8	8.8	May	3.6	4.9	May	3.2	4.8	May	3.2	4.3
1921–1925	5.3	6.7	June	3.5	4.9	June	3.2	4.5	June	3.3	4.4
1926–1930	4.1	5.3	July	3.8	5.2	July	3.3	4.6	July	3.5	4.6
1926	4.3	5.5	Aug	3.8	5.4	Aug	3.2	4.4	Aug	3.5	4.6
1927	4.7	5.8	Sept	4.0	5.3	Sept	3.1	4.3	Sept	3.4	4.5
1928	4.2	5.6	Oct	4.0	5.4	Oct	3.3	4.4	Oct	3.4	4.5
1929	3.8	5.1	Nov	3.8	5.0	Nov	3.4	4.7	Nov	3.4	4.4
1930	3.4	4.7	Dec	3.8	5.0	Dec	3.3	4.6	Dec	3.2	4.2
1931	3.3	4.4									

Sources: Table 624, Bureau of Agricultural Economics, Department of Agriculture; Table 625, 1875 to 1909, computed from production as reported by the Department of Agriculture, and exports, imports, and shipments as reported by the Bureau of Foreign and Domestic Commerce; thereafter based on data in Tables 623 and 624; Table 626, Bureau of Labor Statistics, Department of Labor.

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No. 627.—SUGAR BEETS AND BEET SUGAR: PRODUCTION

NOTE.—Prior to 1924 acreage and production of beets include a small quantity produced in Canada for United States factories. The year shown is that in which beets were grown; sugar-making campaign extends into succeeding year. "Per cent of sucrose in beets" is based on analysis; "Per cent extracted" is per cent of total weight of beets actually recovered by factories. United States totals include data for States not shown. Tons are of 2,000 pounds

Yearly average or year and State	Beets produced for sugar					Sugar manufacture				
	Acres harvested	Crop [1] (1,000 tons)	Tons per acre	Price per ton (dollars)	Farm value (1,000 dollars)	Number of factories	Beets used (1,000 tons)	Sugar made (1,000 tons)	Per cent of sucrose— In beets	Per cent of sucrose— Extracted
United States:										
1901–1905	227,841	2,079	9.22	4.89	10,166	45	2,079	240	15.03	11.50
1906–1910	386,052	3,910	10.13	[2] 5.18	20,254	63	3,910	479	15.78	12.27
1911–1915	541,000	5,738	10.66	5.63	32,318	67	5,477	724	16.17	13.18
1916–1920	698,000	6,623	9.50	9.38	63,314	88	6,200	832	15.85	13.41
1921–1925	693,000	6,968	10.14	7.53	52,072	88	6,606	916	15.74	13.86
1926–1930	701,000	7,718	11.00	7.32	[2] 56,480	80	7,402	1,055	15.71	14.23
1922	530,000	5,183	9.77	7.91	41,017	81	4,963	675	15.44	13.61
1923	657,000	7,006	10.66	8.99	62,965	89	6,585	881	15.30	13.37
1924	815,000	7,489	9.20	7.99	59,838	90	7,075	1,090	17.19	15.41
1925	647,000	7,381	11.40	6.39	47,177	88	6,993	913	14.86	13.06
1926	677,000	7,223	10.67	7.61	54,964	78	6,782	897	14.94	13.23
1927	721,000	7,753	10.75	7.67	59,455	83	7,443	1,093	16.11	14.68
1928	644,000	7,101	11.0	7.11	50,477	82	6,880	1,061	16.73	15.42
1929	688,000	7,315	10.6	7.08	51,805	79	7,117	1,018	15.64	14.22
1930	775,000	9,199	11.9	7.14	65,697	78	8,789	1,208	15.22	13.70
1931	713,000	7,903	11.1			66	7,659	1,156	16.18	14.76
California:										
1928	49,000	638	13.0	8.03	5,121	5	630	103	18.14	16.35
1929	46,000	545	11.8	7.28	3,966	5	524	91	17.62	16.41
1930	65,000	768	11.8	7.46	5,731	5	753	124	17.86	16.50
1931	89,000	1,060	11.9			6	1,045	166	17.69	15.92
Colorado:										
1928	179,000	2,394	13.4	6.97	16,687	17	2,410	384	16.51	15.93
1929	210,000	2,612	12.4	6.93	18,106	17	2,565	348	14.51	13.57
1930	242,000	3,312	13.7	6.91	22,873	17	3,126	407	14.10	13.02
1931	224,000	2,532	11.3			17	2,423	370	15.64	14.42
Idaho:										
1928	27,000	297	11.0	7.44	2,210	6	317	53	17.86	16.72
1929	48,000	492	10.2	7.17	3,530	8	492	79	17.39	16.06
1930	44,000	446	10.1	7.41	3,302	7	427	66	16.56	15.40
1931	33,000	301	9.1			5	287	46	17.25	16.04
Michigan:										
1928	71,000	452	6.4	7.22	3,263	12	458	64	16.30	13.97
1929	52,000	300	5.8	7.94	2,381	9	364	57	17.60	15.38
1930	74,000	513	6.9	8.08	4,143	10	567	86	16.97	14.95
1931	58,000	581	10.0			6	600	83	15.42	13.81
Montana:										
1928	28,000	258	9.2	7.36	1,897	4	275	44	17.38	16.00
1929	38,000	386	10.2	7.29	2,815	4	348	54	17.17	15.52
1930	45,000	572	12.7	7.32	4,191	4	522	75	15.94	14.29
1931	54,000	617	11.4			4	600	92	16.99	15.37
Nebraska:										
1928	86,000	1,021	11.9	6.98	7,127	7	975	146	16.27	14.97
1929	92,000	1,054	11.5	6.96	7,332	7	1,068	140	14.71	13.11
1930	81,000	1,136	14.0	6.95	7,893	7	1,095	136	14.27	12.44
1931	65,000	891	13.7			7	872	126	15.82	14.45
Ohio:										
1928	38,000	266	7.0	7.13	1,897	5	238	31	16.09	13.03
1929	20,000	174	8.7	7.55	1,314	4	121	17	16.20	14.05
1930	31,000	286	9.2	7.75	2,220	4	223	33	15.54	13.34
1931 [3]										
Utah:										
1928	51,000	637	12.5	7.03	4,478	11	568	90	17.28	15.85
1929	45,000	565	12.6	7.05	3,986	10	523	77	16.42	14.72
1930	44,000	553	12.6	7.00	3,874	8	517	78	16.30	15.13
1931	49,000	505	10.3			7	491	77	16.70	15.74
Wisconsin:										
1928	8,000	74	9.2	7.35	543	3	86	12	16.56	13.95
1929	8,000	56	7.0	7.29	408	3	65	10	17.88	15.38
1930	12,000	102	8.5	7.53	766	3	115	15	15.96	12.91
1931 [3]										
Wyoming:										
1928	44,000	462	10.5	7.21	3,326	4	368	59	17.16	16.03
1929	47,000	487	10.4	7.18	3,495	4	441	66	16.35	14.97
1930	46,000	646	14.0	7.19	4,644	5	657	94	15.90	14.37
1931	49,000	552	11.3			5	532	85	16.97	15.99

[1] Beets used 1901 to 1912. [2] Four-year average.
[3] Data for 1931 can not be shown without disclosing operations of individual factories.
Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 628.—LOUISIANA SUGAR CANE, CANE SUGAR, AND MOLASSES

NOTE.—Louisiana produces practically all the cane sugar produced in the United States. In other States cane is largely used for making sirup (see Table 631). Tons are of 2,000 pounds

Yearly average or year	Total acres of cane harvested	Cane used for sugar			Factories in operation	Sugar made		Molasses made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)		Amount (1,000 tons)	Per ton of cane (pounds)	Amount (1,000 gallons)	Per ton of sugar (gallons)
1911–1915		230,200	3,496	15.2	150	236	134.9	20,666	88
1916–1920		211,789	3,286	15.5	133	224	136.1	22,956	103
1921–1925	305,320	207,589	2,844	13.7	103	202	141.9	18,247	90
1926–1930	165,569	124,111	1,833	14.8	56	127	138.2	12,656	100
1922	319,600	241,433	3,778	15.6	112	295	156.2	22,719	77
1923	317,500	217,259	2,387	11.1	105	162	135.8	15,719	97
1924	301,100	162,640	1,228	7.6	82	88	144.1	9,590	109
1925	263,000	190,248	2,645	14.0	91	139	105.4	17,783	128
1926	198,000	127,916	864	6.8	54	47	109.1	6,614	141
1927	105,000	72,987	962	13.4	46	71	147.2	6,624	93
1928	151,680	114,991	1,860	16.2	55	132	141.9	13,535	103
1929	186,114	155,446	2,918	18.8	65	200	136.8	19,610	98
1930	187,050	149,217	2,559	17.1	61	184	143.6	16,887	92
1931	183,822	148,119	2,232	15.1	59	157	140.3	14,645	94

SUGAR MADE (1,000 TONS)

1906	258	1911	353	1916	304	1921	324
1907	381	1912	154	1917	244	1922	295
1908	398	1913	293	1918	281	1923	162
1909	364	1914	243	1919	121	1924	88
1910	343	1915	138	1920	169	1925	139

No. 629.—HAWAIIAN SUGAR CANE AND CANE SUGAR

NOTE.—Figures are for years ending September 30. All tons are of 2,000 pounds

Yearly average or year	Total acres in cane	Cane used for sugar			Sugar made	
		Acres harvested	Crop (1,000 tons)	Yield per acre (tons)	Amount (1,000 tons)	Per cent of cane used
1913–1915		113,500	4,854	43	602	12.39
1916–1920	251,206	118,584	4,830	41	594	12.30
1921–1925	234,700	116,820	5,253	45	622	11.84
1926–1930	239,194	128,271	7,299	57	861	11.80
1922	229,000	124,000	5,088	41	592	11.64
1923	235,000	114,000	4,560	40	537	11.77
1924	232,000	111,000	5,661	51	691	12.21
1925	241,000	122,000	6,297	52	769	12.21
1926	237,774	122,309	6,496	53	787	12.12
1927	234,809	124,542	6,992	56	811	11.60
1928	240,769	131,534	7,707	59	897	11.64
1929	239,858	129,131	7,447	58	899	12.07
1930	242,761	133,840	7,853	59	912	11.62
1931	251,533	137,037	8,485	62	989	11.65

TOTAL, ALL ISLANDS: SUGAR MADE (1,000 TONS)

1906	429	1911	567	1916	593	1921	522
1907	440	1912	595	1917	645	1922	592
1908	521	1913	547	1918	577	1923	537
1909	535	1914	612	1919	600	1924	691
1910	517	1915	646	1920	556	1925	769

Sources: Table 628 and Table 629 prior to 1926, Bureau of Agricultural Economics, Department of Agriculture; Table 629, beginning 1926, Hawaiian Sugar Planters Association.

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No. 630.—MAPLE SUGAR AND SIRUP: PRODUCTION BY STATES

State and year	Trees tapped	Sugar made	Sirup made	Total product in terms of sugar [1]
CENSUS RETURNS				
United States:	*Thousands*	*1,000 pounds*	*1,000 gallons*	*1,000 pounds*
1859		40,120	1,598	52,901
1869		28,444	921	35,812
1879		36,576	1,796	50,944
1889		32,953	2,258	51,020
1899		11,929	2,057	28,382
1909	18,900	14,024	4,106	46,912
1919	17,457	9,692	3,508	37,754
1929	[2]	1,341	2,341	20,070
DEPARTMENT OF AGRICULTURE [3]				
Total:				
1921	15,114	4,730	2,386	23,818
1922	16,274	5,147	3,640	34,267
1923	15,291	4,685	3,605	33,525
1924	15,407	4,078	3,903	35,302
1925	15,313	3,236	3,089	27,948
1926	14,712	3,569	3,737	33,465
1927	14,603	3,133	3,671	32,501
1928	14,388	2,317	3,007	26,373
1929	12,906	1,344	2,346	20,112
1930	13,113	2,430	3,635	31,510
1931 [4]	12,218	1,653	2,157	18,909
Maine:				
1929	255	24	40	344
1930	255	40	38	344
1931 [4]	255	9	26	217
New Hampshire:				
1929	378	109	88	813
1930	382	154	93	898
1931 [4]	390	78	56	526
Vermont:				
1929	5,535	690	1,090	9,410
1930	5,646	1,195	1,368	12,139
1931 [4]	5,194	830	578	5,454
Massachusetts:				
1929	268	37	44	389
1930	268	110	80	750
1931 [4]	252	34	43	378
New York:				
1929	3,613	298	613	5,202
1930	3,682	613	1,120	9,573
1931 [4]	3,229	324	577	4,940
Pennsylvania:				
1929	913	105	133	1,169
1930	905	212	350	3,012
1931 [4]	848	190	202	1,806
Ohio:				
1929	1,208	39	205	1,679
1930	1,214	55	368	2,999
1931 [4]	1,256	96	440	3,616
Michigan:				
1929	493	34	79	666
1930	503	39	146	1,207
1931 [4]	508	73	156	1,321
Wisconsin:				
1929	243	8	54	440
1930	258	12	72	588
1931 [4]	286	19	79	651

[1] 1 gallon of sirup taken as equivalent to 8 pounds of sugar.
[2] Not called for on schedule.
[3] Totals cover the 9 States listed, except that prior to 1926 Indiana and, for 1922 and 1923, also Connecticut, which produced only a negligible quantity of sugar and sirup, are included. The 9 States included beginning 1926 produced 94.3 per cent of the maple sugar and 95.7 per cent of the maple sirup made in the United States in 1929, as reported by the Bureau of the Census.
[4] Preliminary.

No. 631.—SUGAR CANE AND SIRUP IN SOUTHERN STATES

NOTE.—Sorghum, sometimes confused with sugar cane, is not included. For molasses, a by-product of sugar refineries and not included in this table, see Table 628

State and year	Cane harvested for sirup	Sirup produced
		1,000 gallons
All States:	*Acres*	
1923	200,000	33,620
1925	125,000	20,400
1926	132,000	22,172
1927	114,000	20,839
1928	110,000	20,401
1929	104,000	19,335
1930	104,000	16,834
1931	104,000	14,859
South Carolina:		
1929	5,000	590
1930	5,000	590
1931	5,000	400
Georgia:		
1929	29,000	4,785
1930	28,000	3,640
1931	28,000	2,800
Florida:		
1929	10,000	1,860
1930	9,000	1,530
1931	9,000	1,485
Alabama:		
1929	18,000	2,106
1930	18,000	2,160
1931	20,000	1,860
Mississippi:		
1929	17,000	3,247
1930	15,000	1,800
1931	14,000	2,100
Louisiana:		
1929	17,000	5,773
1930	22,000	6,208
1931	20,000	5,045
Texas:		
1929	7,000	868
1930	6,000	852
1931	7,000	1,029
Arkansas:		
1929	1,000	106
1930	1,000	54
1931	1,000	140

Source of Tables 630 and 631. Bureau of Agricultural Economics, Department of Agriculture, except Census Returns, Table 630, which are from the Bureau of the Census, Department of Commerce.

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No. 632.—COTTONSEED AND COTTONSEED PRODUCTS: PRODUCTION, VALUE, AND EXPORTS

NOTE.—Cottonseed production relates to the preceding crop year; other data relate to 12 months ended July 31, except exports, which are for 12 months ended June 30 of year indicated in stub. Tons are of 2,000 pounds

Yearly average or year ended July 31 or June 30—	Cottonseed		Cottonseed products														
			Production				Value					Value per unit				Exports	
	Production	Used in mills	Oil	Meal and cake	Hulls	Linters	All products	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake	Hulls	Linters	Oil	Meal and cake
	1,000 tons	*1,000 tons*	*1,000 pounds*	*1,000 tons*	*1,000 tons*	*Bales* [1]	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*1,000 dollars*	*Cents per lb.*	*Dollars per ton*	*Dollars per ton*	*Cents per pound*	*1,000 pounds*	*1,000 tons*
1881–1890	3,018	553	165,810	193			12,064	7,864	4,300			4.7	22.25			34,038	
1891–1900	4,280	1,625	483,015	570	[2] 1,169	114,544	25,580	13,348	11,733	[2] 3,190	[2] 1,800	2.8	20.58	[2] 2.73	3.1	191,157	[3] 388
1901–1905	5,139	3,085	890,745	1,130	1,382	167,327	65,148	34,038	22,824	5,400	2,886	3.8	20.19	3.91	3.4	297,888	548
1906–1910	5,258	3,296	990,450	1,339	1,215	282,064	83,424	40,432	32,236	7,242	3,514	4.1	24.07	6.06	2.5	311,463	678
1911–1915	6,353	4,847	1,466,940	2,162	1,527	595,225	143,766	75,334	51,580	10,126	6,526	5.1	23.86	6.63	2.2	290,311	551
1916–1920	5,116	4,285	1,302,050	2,041	1,093	943,474	312,781	179,249	92,191	14,845	26,496	13.8	45.18	13.58	5.6	172,878	301
1921–1925	4,878	3,646	1,125,196	1,654	1,082	578,384	177,947	91,147	61,141	11,539	14,120	8.1	36.97	10.66	4.9	106,371	258
1926–1930	6,784	5,319	1,631,597	2,409	1,495	1,117,754	247,765	132,413	81,514	11,294	22,544	8.1	33.84	7.55	4.0	48,762	328
1919	5,360	4,479	1,325,333	2,170	1,137	889,500	383,580	227,316	116,119	17,917	22,228	17.2	53.51	15.76	5.0	178,710	156
1920	5,074	4,013	1,211,464	1,817	1,143	584,146	352,138	209,668	119,039	11,095	12,336	17.3	65.51	9.71	4.2	159,400	225
1921	5,971	4,069	1,309,183	1,786	1,256	422,226	156,513	84,650	58,298	10,059	3,506	6.5	32.64	8.00	1.7	283,268	227
1922	3,531	3,008	930,475	1,355	937	383,547	136,974	71,508	49,898	8,949	6,619	7.7	36.84	9.55	3.5	91,615	266
1923	4,336	3,242	1,002,922	1,487	944	584,177	173,254	84,818	59,037	12,200	17,199	8.5	39.70	12.93	5.9	64,292	227
1924	4,502	3,308	979,617	1,518	941	642,348	182,137	88,093	59,300	12,737	22,007	9.0	39.06	13.54	6.9	39,418	125
1925	6,051	4,605	1,403,781	2,126	1,331	859,624	240,855	126,665	79,173	13,749	21,268	9.0	37.24	10.33	4.9	53,261	443
1926	7,150	5,558	1,617,015	2,597	1,547	1,068,919	256,027	138,652	81,508	12,649	23,218	8.6	31.39	8.17	4.3	63,230	358
1927	7,989	6,306	1,887,910	2,840	1,854	1,112,019	240,284	142,242	72,476	8,882	16,684	7.5	25.52	4.79	3.0	57,580	495
1928	5,758	4,654	1,476,609	2,093	1,320	977,870	247,827	132,372	80,582	9,995	24,878	9.0	38.50	7.57	5.1	61,470	332
1929	6,435	5,061	1,604,131	2,282	1,368	1,234,287	265,247	133,906	90,706	12,842	27,793	8.4	39.75	9.39	4.5	29,531	286
1930	6,590	5,016	1,572,322	2,232	1,384	1,195,676	229,440	114,892	82,296	12,103	20,149	7.3	36.87	8.74	3.4	31,998	170
1931	6,191	4,715	1,441,882	2,165	1,304	950	169,704	91,638	58,623	10,474	8,969	6.4	27.08	8.04	1.9	26,353	44
Alabama	655	399	121,354	180	113	70	13,815	7,572	4,687	909	647	6.2	25.98	8.01	1.9		
Arizona	69	64	21,080	30	18	10	2,366	1,280	835	141	110	6.1	28.22	7.77	2.1		
Arkansas	388	254	76,630	110	70	63	9,032	4,874	3,014	571	573	6.4	27.29	8.12	1.8		
California	117	135	44,980	66	34	27	5,420	2,901	1,838	305	376	6.4	27.79	8.96	2.8		
Georgia	707	668	214,332	302	183	130	24,212	13,803	7,855	1,418	1,136	6.4	26.02	7.77	1.7		
Louisiana	317	203	60,687	88	59	44	7,000	3,793	2,370	454	383	6.3	26.88	7.64	1.8		
Mississippi	550	582	180,582	247	166	150	21,211	11,521	6,641	1,192	1,857	6.4	26.89	7.19	2.5		
North Carolina	343	291	92,619	139	71	59	10,594	5,937	3,623	544	490	6.4	25.99	7.67	1.7		
Oklahoma	380	249	73,328	123	64	51	9,152	4,517	3,646	572	417	6.2	29.68	8.96	1.6		
South Carolina	444	282	87,393	132	72	60	9,945	5,515	3,374	562	494	6.3	25.62	7.82	1.6		
Tennessee	167	264	77,764	115	77	58	9,403	5,086	3,138	566	613	6.5	27.29	7.32	2.1		
Texas	1,799	1,262	372,112	603	358	215	45,306	23,666	16,774	3,108	1,758	6.4	27.81	8.67	1.6		
All other States	155	63	19,021	29	17	12	2,248	1,173	828	132	115	6.2	28.44	7.61	1.9		

[1] Of 500 pounds net. [2] Figures for 1900. [3] Six-year average, 1895–1900. Source: Bureau of the Census, Department of Commerce.

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No. 633.—COTTON: Production, Consumption, Exports, Imports, and Prices

NOTE.—Production, consumption, and exports beginning 1914 are in thousands of running bales (counting round as half bales); these items prior to 1914, and net imports, all years, are in thousands of 500-pound bales, gross weight. Production statistics relate to the growth year indicated in the stub. Other statistics for the most part relate to the 12-month period roughly corresponding to the marketing of the crop; there have been minor variations from time to time in the periods covered, but consumption, exports, and imports, beginning 1914, and prices, beginning 1910, are for the 12 months ended July 31 following the year indicated in the stub. Prices for 1902 to 1909 represent the price of the average grade marketed in New Orleans up to April 1 of the following year; from 1910 to date the average price on the farm of all lint cotton throughout the country

COTTON (EXCLUDING LINTERS)[1]

Year or yearly average (growth year)	Production	Consumption	Domestic exports	Net imports
1790	3	11	(2)	1
1800	73	19	32	9
1810	178	36	124	(2)
1820	335	100	250	(2)
1830	732	130	554	(2)
1840	1,348	245	1,060	1
1850	2,136	423	1,854	(2)
1860	3,841	842	615	
1870	4,025	1,027	2,923	2
1866–1875	3,104	1,007	2,164	3
1876–1885	5,452	1,708	3,721	6
1886–1895	7,636	2,473	5,174	52
1896–1900	10,133	3,455	6,907	115
1901–1905	11,007	4,330	7,210	141
1906–1910	12,176	4,828	8,002	178
1911–1915	14,895	6,125	8,975	301
1916–1920	12,817	6,770	5,836	319
1921–1925	12,247	6,864	6,855	338
1926–1930	14,628	6,497	7,992	322
1903	10,046	3,981	6,234	100
1904	13,680	4,523	9,057	130
1905	10,805	4,877	6,975	133
1906	13,595	4,974	8,825	203
1907	11,375	4,493	7,780	141
1908	13,587	5,199	8,890	165
1909	10,315	4,759	6,492	151
1910	12,006	4,713	8,026	231
1911	16,250	5,400	11,081	229
1912	14,313	5,867	9,199	225
1913	14,795	5,943	9,256	266
1914	15,906	5,597	8,323	364
1915	11,068	6,398	5,896	421
1916	11,364	6,789	5,300	288
1917	11,248	6,566	4,288	217
1918	11,906	5,766	5,592	197
1919	11,326	6,420	6,545	683
1920	13,271	4,893	5,745	211
1921	7,978	5,910	6,184	352
1922	9,729	6,666	4,823	450
1923	10,171	5,681	5,656	272
1924	13,639	6,193	8,005	303
1925	16,123	6,456	8,051	314
1926	17,755	7,190	10,927	382
1927	12,783	6,834	7,540	321
1928	14,297	7,091	8,044	442
1929	14,548	6,106	6,690	368
1930	13,756	5,263	6,760	99
1931 (prel.)	16,629	4,866	8,708	107

LINTERS

1914	832	412	222		1923	640	537	116	
1915	945	881	295		1924	858	659	191	
1916	1,300	870	439		1925	1,044	804	104	
1917	1,096	1,119	188		1926	1,042	806	257	
1918	910	458	72		1927	875	780	193	
1919	595	342	53		1928	1,086	879	186	
1920	429	516	51		1929	1,038	805	118	
1921	382	639	132		1930	824	714	112	
1922	591	646	41		1931	876	637	116	

AVERAGE PRICE, UPLAND LINT COTTON, CENTS PER POUND[3]

1790	26.0	1906–1910	11.8	1913	12.5	1929	16.8
1800	44.0	1911–1915	10.4	1914	7.3	1930	9.5
1810	15.5	1916–1920	24.9	1915	11.2	1931	5.7
1820	14.3	1921–1925	22.2	1916	17.3		
1830	9.7	1926–1930	15.4	1917	27.1	1931:	
1840	9.5	1902	8.2	1918	28.8	August	6.3
1850	12.1	1903	12.2	1919	35.4	September	5.9
1860	13.0	1904	8.7	1920	15.8	October	5.3
1870	17.0	1905	10.9	1921	16.9	November	6.1
1871–1875	16.7	1906	10.0	1922	22.9	December	5.5
1876–1880	11.4	1907	11.5	1923	28.7	1932:	
1881–1885	10.7	1908	9.2	1924	22.9	January	5.6
1886–1890	10.3	1909	14.3	1925	19.6	February	5.8
1891–1895	7.5	1910	14.0	1926	12.5	March	6.2
1896–1900	6.9	1911	9.6	1927	20.2	April	5.7
1901–1905	9.6	1912	11.5	1928	18.0	May	5.2
						June	4.6
						July	5.1

[1] Production, consumption, and exports of cotton include linters prior to 1914.
[2] Less than 500 bales.
[3] See headnote.

Source: Bureau of the Census. See Bulletin 167, p. 57, of that bureau for original sources.

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No. 634.—EXPORTS OF UNITED STATES COTTON (INCLUDING LINTERS)

Yearly average or year ended June 30—	Total value (thousands of dollars)	Quantity in thousands of equivalent 500-pound bales, exported to—										
		All countries	Total Europe	United Kingdom	Germany	France	Italy	Spain	Belgium	Russia [1]	Japan	Canada
1866–1875	205,285	1,983	1,972	1,433	142	227	17	56	11	53	-------	4
1876–1885	200,146	3,594	3,553	2,311	336	421	54	125	28	202	-------	21
1886–1895	227,678	5,121	5,020	2,951	844	536	162	192	120	148	[2] 8	64
1896–1900	220,557	6,465	6,163	2,968	1,523	715	367	239	122	86	167	96
1901–1905	334,256	7,097	6,769	3,096	1,812	778	431	251	139	121	158	113
1906–1910	437,582	7,850	7,510	3,243	2,180	956	486	254	130	99	183	133
1911–1915	537,044	9,318	8,706	3,804	2,196	1,031	648	327	164	91	363	165
1916–1920	765,515	5,920	4,972	2,796	[3] 421	795	614	310	[4] 141	[5] 60	661	211
1921–1925	764,101	6,386	5,405	1,863	1,390	764	584	272	186	[6] 138	713	189
1926–1930	828,920	8,774	6,984	1,937	2,149	946	758	318	228	335	1,244	255
1917	543,075	6,176	5,328	2,895	-------	1,056	687	394	------	49	531	187
1918	655,025	4,641	3,783	2,387	-------	659	369	259	------	16	584	250
1919	873,580	5,526	4,497	2,494	-------	774	558	281	73	--------	809	203
1920	1,381,708	7,087	5,977	3,445	421	596	617	275	210	--------	876	217
1921	600,186	5,623	4,775	1,787	1,152	591	558	261	166	--------	555	169
1922	596,379	6,718	5,476	1,807	1,617	820	469	342	186	--------	895	201
1923	658,983	5,253	4,314	1,403	946	704	572	250	186	7	679	217
1924	903,975	5,899	5,129	1,695	1,346	751	564	216	169	120	584	152
1925	1,060,980	8,349	7,332	2,623	1,892	951	756	290	224	286	850	207
1926	917,720	8,212	6,712	2,298	1,690	944	745	315	203	236	1,118	254
1927	866,923	11,560	9,071	2,673	2,982	1,089	845	364	298	485	1,644	281
1928	820,537	8,120	6,640	1,465	2,222	940	715	321	221	448	1,007	246
1929	868,219	8,739	6,801	1,934	2,011	873	772	302	228	341	1,373	286
1930	671,201	7,239	5,693	1,315	1,840	887	713	286	191	165	1,078	210
1931	424,558	7,180	5,225	1,119	1,807	1,013	499	270	148	64	1,236	207

[1] Includes Finland, Estonia, Latvia, and Poland prior to 1919.
[2] 5-year average, 1891–1895.
[3] One year only, 1920.
[4] Average for 1919 and 1920.
[5] Average for 1916–1919.
[6] Average for 1923–1925.

No. 635.—COFFEE: IMPORTS AND REEXPORTS

NOTE.—**Imports and reexports in thousands of pounds.**—Years ended June 30 through 1918; thereafter calendar years. Imports represent imports from foreign countries and from territories and possessions into continental United States, and reexports represent exports from continental United States to foreign countries and outlying territories and possessions. Figures represent mostly green coffee

Yearly average or year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents	Year	Imports	Reexports	Net imports per capita, pounds	Average import price per pound, cents
1830	51,488	13,125	2.99	8.3	1902	1,092,344	35,125	13.32	6.4
1840	94,996	8,698	5.04	8.8	1903	923,254	48,849	10.80	6.6
1850	145,273	15,481	5.58	7.8	1904	998,677	35,102	11.67	7.0
1851–1860	203,190	14,710	6.78	9.0	1905	1,046,028	37,087	11.98	8.1
1861–1870	173,290	8,229	4.66	10.5	1906	853,800	19,133	9.72	8.6
1871–1880	331,925	7,911	7.19	14.7	1907	986,596	11,627	11.15	7.9
1881–1890	513,039	24,725	8.52	10.8	1908	892,092	17,115	9.82	7.6
1891–1895	585,270	8,788	8.61	[1] 16.8	1909	1,051,750	15,188	11.43	7.5
1896–1900	761,715	21,819	10.07	8.9	1910	873,984	13,569	9.33	7.9
1901–1905	983,464	40,400	11.65	7.1	1911	878,322	8,371	9.29	10.3
1906–1910	931,644	15,326	10.29	7.9	1912	887,748	7,196	9.26	13.3
1911–1915	952,906	21,493	9.65	11.5	1913	866,054	7,135	8.90	13.8
1916–1920 [2]	1,227,214	67,382	11.20	13.2	1914	1,006,362	13,811	10.14	11.1
1921–1925	1,343,579	40,594	11.68	15.4	1915	1,126,042	70,953	10.62	9.6
1926–1930	1,498,291	24,222	12.30	18.9	1916	1,203,841	75,818	11.20	9.6
1886	564,708	27,496	9.27	7.6	1917	1,322,059	57,503	12.38	10.1
1887	526,109	25,290	8.46	10.7	1918	1,145,956	65,598	10.43	9.0
1888	423,646	15,083	6.75	14.0	1918 (6 mos.)	436,771	23,815	-------	10.0
1889	578,397	17,265	9.08	13.0	1919	1,341,306	93,021	11.89	19.5
1890	499,159	8,997	7.77	16.0	1920	1,299,743	54,846	11.68	19.5
1891	519,528	8,487	7.94	[1] 19.0	1921	1,345,367	41,821	12.05	10.7
1892	640,211	10,539	9.59	[1] 20.0	1922	1,248,938	35,576	11.04	12.9
1893	563,469	12,074	8.23	14.0	1923	1,412,233	31,899	12.38	13.5
1894	550,934	3,865	8.01	16.4	1924	1,423,758	39,213	12.23	17.5
1895	652,209	8,974	9.24	14.7	1925	1,287,601	27,833	10.97	22.3
1896	580,598	7,926	8.08	14.6	1926	1,495,517	26,629	12.61	21.6
1897	737,646	13,086	10.04	11.1	1927	1,444,124	24,029	12.02	18.5
1898	870,514	18,823	11.59	7.5	1928	1,460,860	19,318	12.03	21.3
1899	831,827	30,070	10.72	6.5	1929	1,486,253	16,998	12.09	20.4
1900	787,992	39,191	9.84	6.7	1930	1,604,701	34,138	12.75	13.1
1901	857,018	45,835	10.43	7.4	1931	1,749,158	19,879	13.94	10.1

[1] Overvalued, due to depreciation of Brazilian paper milreis. [2] Average, July 1, 1915, to Dec. 31, 1920.
Source of Tables 634 and 635: Bureau of Foreign and Domestic Commerce.

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No. 636.—TEA: NET IMPORTS

NOTE.—**Quantity, except per capita, in thousands of pounds; value in thousands of dollars; per capita in pounds.** Years ended June 30 through 1918; thereafter, calendar years. Beginning 1919, data relate to trade of continental United States only; see headnote, Table 635; prior to that time the small trade between the United States and noncontiguous territories is not included

Yearly average or year	Quantity	Value	Per capita	Yearly average or year	Quantity	Value	Per capita	Year	Quantity	Value	Per capita
1830	6,873	1,532	0.54	1916–1920[1]	106,968	22,528	1.03	1920	87,801	23,408	.83
1840	16,883	4,067	.99	1921–1925	92,202	30,829	.83	1921	75,002	13,797	.69
1850	28,200	3,982	1.21	1926–1930	88,655	26,604	.74	1922	93,888	23,067	.85
1851–1860	21,028	5,361	.76	1912	100,395	18,057	1.06	1923	102,157	28,860	.92
1861–1870	32,394	8,969	.91	1913	93,911	17,295	.97	1924	90,496	26,608	.80
1871–1880	59,536	18,550	1.32	1914	90,148	16,599	.92	1925	99,567	30,957	.87
1881–1890	76,534	15,071	1.34	1915	92,174	16,763	.93	1926	94,512	30,855	.81
1891–1895	89,675	13,689	1.34	1916	109,075	20,442	1.08	1927	87,896	27,691	.74
1896–1900	86,217	11,357	1.17	1917	102,739	19,068	1.01	1928	88,843	26,815	.74
1901–1905	95,814	13,849	1.18	1918	147,379	29,469	1.42	1929	88,247	25,444	.73
1906–1910	93,595	15,211	1.05	1918[2]	76,365	16,461		1930	83,777	22,215	.68
1911–1915	95,199	17,176	.99	1919	65,074	15,056	0.62	1931	85,809	18,456	.69

[1] Average for period July 1, 1915, to Dec. 31, 1920. [2] June 30 to Dec. 31, 1918.

No. 637.—COCOA AND CHOCOLATE: IMPORTS

[Quantity in thousands of pounds; value in thousands of dollars.]

Yearly average or year[1]	Cocoa or cacao beans and chocolate[2]		Year[1]	Cocoa or cacao beans and chocolate[2]		Year[1]	Cocoa or cacao beans and chocolate[2]	
	Quantity	Value		Quantity	Value		Quantity	Value
1871–1880[3]	5,132	706	1908	86,605	15,284	1920	344,986	54,811
1881–1890	13,504	1,891	1909	32,661	15,562	1921	306,568	23,566
1891–1900	29,408	4,120	1910	111,070	11,966	1922	347,010	32,571
1901–1905	63,600	8,260	1911	140,970	15,261	1923	416,818	34,396
1906–1910	102,304	13,378	1912	148,786	16,590	1924	382,029	30,152
1911–1915	161,473	19,002	1913	143,510	18,177	1925	387,108	39,412
1916–1920	346,583	45,480	1914	179,373	21,504	1926	433,117	44,227
1921–1925	367,907	32,019	1915	194,734	23,478	1927	431,049	58,291
1926–1930	429,338	47,044	1916	244,911	34,602	1928	388,635	49,216
1905	77,383	9,484	1917	390,838	41,674	1929	515,571	51,271
1906	84,127	9,699	1918	360,015	37,972	1930	378,320	32,214
1907	97,060	14,579	1919	392,365	58,342	1931	420,260	23,853

[1] Fiscal years through 1915; calendar years thereafter. [2] Includes prepared except confectionery.
[3] Includes 3-year average for quantity of chocolate and 9-year average for its value.

No. 638.—SILK AND SILK MANUFACTURES: FOREIGN TRADE

[Quantity in thousands of pounds; value, except average price per pound, in thousands of dollars]

Yearly average or year[1]	Unmanufactured silk, imports			Silk manufactures, value		Year[1]	Unmanufactured silk, imports			Silk manufactures, value	
	Quantity	Value	Average price per pound	Imports[2]	Exports		Quantity	Value	Average price per pound	Imports[2]	Exports
1871–1880	[3]1,340	[3]6,390	$4.77	27,063	53	1914	34,546	100,930	$2.92	35,458	2,316
1881–1890	5,328	16,775	3.15	34,162	83	1915	31,053	83,131	2.68	25,050	2,754
1891–1900	9,259	26,843	2.90	29,775	268	1916	40,872	149,785	3.66	37,110	6,363
1901–1905	15,798	45,968	2.91	32,215	425	1917	43,428	189,753	4.37	39,763	8,608
1906–1910	20,281	67,414	3.32	33,725	835	1918	48,721	194,199	3.99	28,569	17,982
1911–1915	30,190	82,703	2.74	28,306	2,210	1919	55,522	341,887	6.16	54,746	23,903
1916–1920	45,641	235,332	5.16	47,121	16,735	1920	39,660	301,038	7.59	75,419	26,821
1921–1925	62,030	356,287	5.74	40,941	12,992	1921	52,332	264,723	5.06	48,276	9,672
1926–1930	86,458	374,715	4.33	36,325	17,293	1922	58,467	371,629	6.36	37,413	11,824
1905	22,357	61,040	2.73	32,813	630	1923	61,954	401,655	6.48	44,597	11,136
1906	17,352	54,081	3.12	33,138	609	1924	60,603	335,041	5.53	37,699	14,148
1907	18,744	71,412	3.81	38,903	708	1925	76,795	408,386	5.32	36,719	18,182
1908	16,662	64,547	3.87	32,968	770	1926	77,666	402,676	5.18	40,570	17,788
1909	25,188	79,904	3.17	30,719	926	1927	86,344	399,088	4.62	42,234	15,298
1910	23,457	67,130	2.86	32,898	1,162	1928	88,269	373,331	4.23	41,388	18,648
1911	26,666	74,998	2.81	28,864	1,569	1929	98,016	432,340	4.41	38,851	20,388
1912	26,585	69,542	2.62	24,561	2,009	1930	81,994	266,138	3.25	18,583	14,342
1913	32,102	84,915	2.65	27,596	2,401	1931	89,446	192,288	2.15	16,625	9,563

[1] Fiscal years through 1915; calendar thereafter. [2] Includes artificial silk prior to 1911. [3] Raw silk.

Source of Tables 692, 693, and 694: Bureau of Foreign and Domestic Commerce.

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No. 639.—RUBBER: World Production and United States Imports

Note.—Figures include guayule. Value of imports of rubber (excluding guayule beginning 1911) are shown in Table 504. Tons are of 2,240 pounds

Year	World production			United States				Average price per pound, New York	
	Total	Plantation (Middle East)	Wild (tropical America and Africa)	Imports	Reexports	Retained		Fine para	Plantation, ribbed smoked sheet
						Amount	Share of world production		
	Long tons	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Long tons*	*Per cent*	*Dollars*	*Dollars*
1907	67,170	1,157	66,013	30,649	1,832	28,817	42.9	1.063	----------
1908	66,566	1,796	64,770	34,058	1,655	32,403	48.7	.871	----------
1909	73,756	3,386	70,370	41,950	2,156	39,794	54.0	1.481	----------
1910	93,950	10,916	83,034	45,003	2,749	42,254	45.0	1.908	2.056
1911	94,055	17,501	76,554	44,424	2,523	41,901	44.6	1.110	1.413
1912	114,276	33,306	80,970	58,435	2,456	55,979	49.0	1.052	1.216
1913	120,123	53,644	66,479	53,906	1,881	52,025	43.3	.807	.820
1914	123,173	74,587	48,586	64,884	2,618	62,266	50.6	.616	.653
1915	170,826	116,370	54,456	101,093	2,082	99,011	58.0	.557	.657
1916	214,089	161,842	52,247	121,709	4,098	117,611	54.9	.669	.725
1917	278,140	221,452	56,688	183,255	4,000	179,255	64.4	.648	.722
1918	219,684	181,061	38,623	146,132	2,746	143,386	65.3	.549	.602
1919	399,731	348,990	50,741	240,689	2,282	238,407	59.6	.483	.485
1920	342,033	305,106	36,927	253,680	4,160	249,520	73.0	.333	.359
1921	301,512	277,516	23,996	185,452	5,716	179,736	59.6	.182	.165
1922	406,394	379,520	26,874	301,203	4,809	296,394	72.9	.183	.173
1923	408,641	380,058	28,583	310,299	8,772	301,527	73.8	.248	.307
1924	425,991	394,037	31,954	329,322	10,309	319,013	74.9	.212	.264
1925	528,485	488,825	39,660	400,423	14,827	385,596	73.0	.569	.730
1926	624,312	583,210	41,102	417,643	17,671	399,972	64.1	.380	.487
1927	615,255	570,824	44,431	431,246	27,775	403,471	65.6	.268	.381
1928	662,341	630,522	31,819	439,732	32,159	407,573	61.5	.186	.226
1929	863,558	835,543	28,015	565,087	36,485	528,602	61.2	[1]	.206
1930	817,731	797,731	20,000	487,627	30,205	457,422	55.9	[1]	.119
1931	805,869	790,464	15,405	501,788	25,595	476,193	59.1	[1]	.062

[1] Discontinued.

Source: Bureau of Foreign and Domestic Commerce (compiled from various original sources); prices, Bureau of Labor Statistics, Department of Labor, except plantation 1910 to 1914, from U. S. Rubber Co.

No. 640.—SPRING AND WINTER WHEAT: Acreage and Production

[Acreage in thousands and production in thousands of bushels (number of pounds to a bushel, 60)]

Year	Winter wheat				Spring wheat (including durum)		
	Acreage		Production	Yield per acre (bushels)	Acreage harvested	Production	Yield per acre (bushels)
	Sown[1]	Harvested					
1914	37,158	36,008	684,990	19.0	17,533	206,027	11.8
1915	42,431	41,308	673,947	16.3	19,161	351,854	18.4
1916	39,245	34,709	480,553	13.8	17,607	155,765	8.8
1917	38,359	27,257	412,901	15.1	17,832	223,754	12.5
1918	43,126	37,130	565,099	15.2	22,051	356,339	16.2
1919	51,391	50,404	748,460	14.8	23,296	203,637	8.7
1920	45,505	40,409	613,227	15.2	21,949	230,082	10.5
1921	45,479	43,160	602,793	14.0	21,406	216,171	10.1
1922	47,415	41,649	571,459	13.7	19,748	275,214	13.9
1923	45,408	38,712	555,323	14.3	18,208	204,183	11.2
1924	38,635	35,415	571,558	16.1	17,045	268,533	15.8
1925	40,920	31,962	400,970	12.5	20,479	268,012	13.1
1926	40,603	37,596	631,950	16.8	19,219	201,594	10.5
1927	44,134	38,195	547,666	14.3	21,433	326,967	15.3
1928	48,347	36,964	591,017	16.0	22,345	335,113	15.0
1929	43,340	40,580	577,009	14.2	22,091	235,564	10.7
1930	43,630	39,509	601,840	15.2	21,629	256,320	11.9
1931[2]	43,149	41,009	787,465	19.2	13,940	104,806	7.5

[1] Acreage sown in preceding fall. [2] Preliminary.

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 641.—WHEAT: Supply and Distribution and Per Capita Disappearance for Food, Feed, and Waste in Continental United States

[All figures except per capita in thousands of bushels (number of pounds to a bushel, 60)]

Item	Year beginning July 1—							
	1909–1913, average	1914–1920, average	1921–1925, average	1926–1930, average	1928	1929	1930	1931
Supply, total	782,287	951,935	923,936	1,062,815	1,069,743	1,081,057	1,188,502	
Stocks, July 1, total wheat and flour	90,345	87,524	102,245	187,251	133,425	255,528	311,283	325,689
On farms	28,872	32,631	37,059	32,967	23,729	45,483	47,417	31,865
In country elevators and mills	29,000	26,997	30,991	34,453	19,277	41,546	60,166	30,552
Commercial stocks [1]	24,168	19,290	25,519	55,179	38,587	90,442	109,327	203,967
In merchant mills and elevators				37,682	31,920	48,279	46,670	21,808
In transit to merchant mills				12,092	10,893	16,237	14,706	12,198
Stored for others by merchant mills				[3] 12,500			12,500	18,413
Flour (in terms of wheat) [2]	8,305	8,606	8,676	12,378	9,019	13,541	20,497	6,886
New crop	690,108	844,605	804,218	859,073	914,876	812,573	858,160	892,271
Imports, flour included	1,834	19,806	17,473	16,491	21,442	12,956	19,059	
Accounted for distribution, total	280,501	437,581	389,896	490,495	506,024	538,042	537,293	
Exports (flour included)	107,103	257,030	207,237	174,777	163,687	153,245	131,536	
Reexports (flour included)	195	562	221	60	55	72	20	
Shipments (flour included) to Alaska, Hawaii and Puerto Rico	2,549	2,546	2,836	2,954	3,172	2,977	2,850	
Seed requirements	72,326	88,312	82,171	83,638	83,582	82,965	77,198	
Carry-over at end of year (June 30) [4]	98,346	89,131	97,431	229,065	255,528	298,783	325,689	
Disappearance for food, feed, and waste	501,786	514,354	534,043	572,320	563,719	543,015	651,209	
Per capita (bushels)	5.317	5.000	4.739	4.742	4.671	4.438	5.252	

[1] From Bradstreet's visible supply for 1909–10 to 1925–26, thereafter, Bureau of Agricultural Economics.
[2] From Chicago Daily Trade Bulletin.
[3] One year only, 1930.
[4] For individual items see above.

Source: Compiled from various sources by Bureau of Agricultural Economics, Department of Agriculture.

No. 642.—VISIBLE SUPPLY OF GRAIN IN UNITED STATES: As Reported on Saturday Nearest the First of Each Month

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

WHEAT [1]

Year beginning July 1—	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June
1909–1913, avg.	24,168	28,569	37,458	48,202	56,838	63,908	66,229	62,228	58,419	53,802	43,857	34,183
1914–1920, avg.	19,290	24,822	38,946	56,235	69,877	76,250	75,530	69,586	60,014	49,475	35,591	27,728
1921–1925, avg.	25,519	34,513	52,612	64,541	66,786	67,445	68,605	62,988	59,746	52,365	43,975	35,777
1926–1930, avg.	58,530	89,998	128,003	143,338	148,776	146,039	140,028	131,163	128,506	125,323	114,385	102,554
1928	42,208	66,762	96,798	118,327	143,003	145,234	146,813	133,759	130,034	128,339	116,559	99,966
1929	95,684	145,504	196,886	205,778	209,426	198,557	188,171	173,483	165,174	158,176	140,315	123,035
1930	112,755	165,616	201,541	219,108	211,600	207,479	200,007	202,537	208,102	213,052	206,463	206,196
1931	202,035	226,544	251,430	248,303	238,294	235,955	226,151	216,033	214,442	205,431	185,147	176,647

CORN [2]

Year beginning Nov. 1—	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.
1909–1913, avg.	3,352	2,088	7,342	10,406	15,165	16,233	8,358	4,656	7,980	4,583	3,566	5,444
1914–1920, avg.	3,763	2,953	6,909	12,521	17,069	18,949	13,827	9,059	8,509	6,140	4,048	5,245
1921–1925, avg.	7,679	7,861	17,054	23,496	31,478	34,183	26,334	17,732	16,882	11,558	8,053	8,853
1926–1930, avg.	10,496	12,913	21,035	25,731	32,206	33,848	26,824	18,391	15,626	12,812	10,006	8,936
1928	2,030	6,419	17,146	26,042	33,302	34,150	25,687	14,259	13,054	8,751	5,417	4,197
1929	3,237	3,267	9,892	15,215	22,667	23,532	19,986	10,825	6,825	3,656	3,940	4,643
1930	4,379	6,964	16,390	16,757	18,961	20,447	18,270	11,412	7,815	8,183	8,846	5,362
1931	7,217	9,695	11,967	13,413	17,470	21,479	21,418	20,049	15,964	10,985	14,649	

[1] Bradstreet's. [2] Chicago Board of Trade.

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No. 642.—Visible Supply of Grain in United States, etc.—Continued

OATS [2]

Year beginning Aug. 1—	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July
1909–1913, avg..	7,185	13,460	18,525	19,024	17,969	16,286	14,857	14,521	13,869	10,748	7,866	7,894
1914–1920, avg..	7,879	14,984	23,791	26,613	28,498	28,660	26,513	25,203	23,404	20,717	17,141	13,698
1921–1925, avg..	21,818	34,206	47,372	51,211	50,468	51,075	50,611	49,063	43,706	36,706	28,498	25,539
1926–1930, avg..	12,849	25,053	29,078	29,479	28,128	27,195	25,684	24,209	20,163	16,082	11,792	9,312
1928	2,377	13,376	15,193	14,472	13,295	13,968	13,611	14,898	12,609	10,276	9,280	7,430
1929	7,626	23,488	26,321	30,155	27,534	26,946	24,471	21,673	18,349	16,242	12,652	10,875
1930	8,467	23,230	30,495	30,815	28,269	28,226	24,565	21,229	16,966	13,152	9,439	7,242
1931	6,489	13,849	15,933	17,259	16,888	15,643	15,909	16,926	14,800	12,713	10,492	9,759

[2] Chicago Board of Trade.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 643.—EXPORTS (EXCLUDING REEXPORTS) AND IMPORTS OF WHEAT, CORN, RICE, TOBACCO, AND FLAXSEED

Note.—Number of pounds to a bushel of wheat, 60; of corn and flaxseed, 56; to a barrel of wheat flour, 196

Yearly average or year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour [1]	Year ended June 30—	Exports (excl. reexports)			Imports—wheat and flour [1]
	Wheat (grain)	Wheat flour	Wheat and flour [1]			Wheat (grain)	Wheat flour	Wheat and flour [1]	
	1,000 bushels	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*		*1,000 bushels*	*1,000 barrels*	*1,000 bushels*	*1,000 bushels*
1852–1856	4,715	2,892	19,173	4,178	1916	173,274	15,521	243,117	7,188
1857–1861	12,378	3,318	28,970	2,617	1917	149,831	11,943	203,574	24,925
1862–1866	22,530	3,531	40,184	-------	1918	34,119	21,880	132,579	31,215
1867–1871	22,107	2,585	35,032	1,818	1919	178,583	24,182	287,402	11,289
1872–1876	48,958	3,416	66,037	1,680	1920	122,431	21,652	219,865	5,496
1877–1881	107,781	5,376	133,263	906	1921	293,268	16,180	366,077	57,398
1882–1886	82,884	8,620	121,675	517	1922	208,321	15,797	282,566	17,375
1887–1891	64,739	11,287	115,529	352	1923	154,951	14,883	224,900	20,031
1892–1896	99,914	15,713	170,624	1,634	1924	78,793	17,253	159,880	28,079
1897–1901	120,247	17,151	197,427	1,280	1925	195,490	13,896	260,803	6,201
1902–1906	70,527	15,444	140,026	993	1926	63,189	9,542	108,036	15,680
1907–1911	62,855	11,841	116,138	706	1927	156,250	13,385	219,160	13,263
1912–1916	129,415	13,185	188,748	2,996	1928	145,999	12,821	206,258	15,734
1917–1921	155,646	19,167	241,899	26,064	1929	103,114	12,888	163,688	21,442
1922–1926	140,129	14,274	207,237	17,424	1930	92,175	12,994	153,247	12,956
1927–1931	114,781	12,763	174,766	16,491	1931	76,365	11,726	131,477	19,058

Yearly average or year ended June 30—	Corn [2]		Rice [3]		Flaxseed		Unmanufactured tobacco	
	Exports [4]	Imports	Exports [4]	Imports	Exports [4]	Imports	Exports [4]	Imports
	1,000 bushels	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*	*1,000 bushels*	*1,000 bushels*	*1,000 pounds*	*1,000 pounds*
1852–1856	7,123	-------	56,515	-------	11	1,133	140,184	5,044
1857–1861	6,558	-------	65,732	-------	7	-------	167,711	5,154
1862–1866	12,060	-------	2,258	70,893	16	1,037	140,208	-------
1867–1871	9,924	75	1,857	52,954	(5)	-------	194,754	5,631
1872–1876	38,561	57	391	72,536	(5)	2,915	241,848	8,886
1877–1881	88,190	42	602	62,615	(6)	1,224	266,315	7,871
1882–1886	49,992	24	561	99,871	(6)	1,541	237,942	13,672
1887–1891	54,606	15	3,210	156,859	[7] 66	1,833	259,248	21,640
1892–1896	63,980	8	10,278	160,808	1,516	1,181	281,746	25,871
1897–1901	192,531	4	18,407	165,232	2,660	404	304,402	16,958
1902–1906	74,615	20	45,978	150,914	2,950	234	325,539	33,805
1907–1911	56,568	92	27,195	215,892	2,313	3,249	334,396	42,813
1912–1916	38,774	5,686	60,043	250,775	67	9,227	408,006	55,556
1917–1921	45,296	4,950	299,021	262,514	13	14,750	496,924	74,595
1922–1926	66,759	1,149	300,030	74,178	(6)	18,198	496,676	68,470
1927–1931	18,941	1,859	315,474	43,734	(6)	18,659	552,705	78,384
1926	24,781	635	48,175	131,848	(6)	19,354	537,239	69,973
1927	19,819	1,098	304,358	71,053	(6)	24,224	516,401	92,983
1928	19,410	5,463	309,789	44,102	(6)	18,112	489,996	81,045
1929	41,876	490	392,684	36,794	(6)	23,494	565,925	79,284
1930	10,282	496	289,533	31,212	(6)	19,652	600,181	63,183
1931	3,317	1,747	281,005	35,507	(6)	7,813	591,020	75,426

[1] Flour converted to grain at rate of 5 bushels to a barrel, 1852 to 1879, 4½, 1880 to 1921; 4.7 thereafter.
[2] Including meal in terms of grain (4 bu. of corn to 1 bbl. of meal).
[3] Includes flour, meal, etc. [4] Excluding reexports. [5] Less than 500 bushels.
[6] Not separately reported. [7] 3-year average.

Source: Bureau of Foreign and Domestic Commerce.

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No. 644.—YEARLY WEIGHTED AVERAGE FARM PRICES OF SPECIFIED CROPS: BY CROP YEARS, FOR THE UNITED STATES AS A WHOLE

NOTE.—**Prices for hays and cottonseed, are in dollars per ton; cotton and peanuts in cents per pound; timothy, clover, and alfalfa seeds in dollars per bushel; and for all other products, in cents per bushel.** Crop year begins in June for apples; in August for oats, barley, cotton, cottonseed, and timothy and alfalfa seed; in September for flaxseed, buckwheat, clover seed; in November for corn and peanuts; and in July for other crops named. For index numbers of prices of farm products by great groups see Table 564

Crop year beginning—	Wheat	Corn	Oats	Barley	Rye	Buck-wheat	Flaxseed
1912	83.3	55.8	34.9	52.7	68.7	68.3	127.4
1913	79.3	71.8	38.9	53.0	62.9	76.6	123.9
1914	99.4	71.8	44.9	54.8	83.3	81.1	131.6
1915	98.2	68.7	39.3	53.8	85.0	81.5	169.6
1916	144.4	115.3	51.4	83.4	113.0	126.5	233.8
1917	205.8	148.5	72.1	122.5	176.4	167.1	315.9
1918	206.3	158.5	70.1	100.0	152.1	164.7	374.2
1919	218.6	153.3	80.3	124.9	146.9	159.2	427.0
1920	182.9	65.3	51.1	70.7	148.2	126.8	217.6
1921	104.4	53.2	33.4	48.4	86.9	89.1	171.0
1922	98.0	75.0	39.0	51.8	68.1	89.9	209.5
1923	92.4	82.3	42.6	56.6	59.4	96.3	212.3
1924	127.8	107.3	48.3	77.4	96.3	108.6	220.7
1925	145.9	71.4	39.0	59.2	83.1	87.5	224.6
1926	123.8	74.1	41.2	61.9	84.2	87.0	205.8
1927	120.5	85.3	48.9	72.7	84.7	87.6	192.0
1928	100.1	84.5	41.1	56.1	85.4	90.7	206.7
1929	105.1	80.9	41.9	51.8	87.7	96.3	266.4
1930	66.4	59.5	31.9	39.3	48.0	79.6	146.8

Crop year beginning—	Potatoes	Sweet potatoes	Apples	Cotton	Cotton-seed	Peanuts	All hay (loose)
1912	55.6	85.6	66.8	11.5	19.10	4.6	11.17
1913	70.6	84.0	93.0	12.5	22.39	4.6	11.49
1914	58.0	84.6	62.7	7.4	16.60	4.4	10.92
1915	70.8	75.4	71.0	11.2	32.65	4.3	10.34
1916	166.3	92.9	90.7	17.3	49.13	4.8	11.21
1917	122.5	122.3	113.6	27.1	66.15	7.1	16.60
1918	125.6	150.0	137.5	28.8	65.23	6.5	19.88
1919	223.8	161.7	186.1	35.2	67.27	9.2	21.34
1920	130.7	144.8	133.8	15.8	22.95	4.7	16.51
1921	121.4	110.9	195.2	17.0	29.72	3.7	11.83
1922	75.3	97.4	109,4	22.8	34.70	5.5	11.68
1923	94.6	121.7	117.4	28.7	42.23	6.5	12.93
1924	77.9	152.4	122.1	22.9	34.08	5.7	12.76
1925	183.4	165.9	127.0	19.6	30.82	4.7	12.83
1926	142.0	120.3	88.3	12.5	21.55	4.8	13.23
1927	108.1	106.5	141.7	20.2	35.94	5.0	10.57
1928	62.0	113.1	110.3	18.0	35.26	4.9	11.29
1929	136.1	113.7	141.4	16.8	30.43	3.8	11.05
1930	95.5	109.9	102.7	9.5	21.93	3.4	11.29

Crop year beginning—	Prairie hay	Timothy hay	Clover hay	Alfalfa hay	Timothy seed	Clover seed	Alfalfa seed
1914	7.69	13.87	12.83	9.12	2.49	8.41	7.52
1915	7.13	13.09	11.29	9.39	2.89	9.98	9.16
1916	8.61	12.83	11.33	12.76	2.42	9.54	8.76
1917	13.31	18.67	17.21	18.42	3.50	14.48	9.66
1918	16.03	22.66	20.93	20.35	4.19	21.01	10.40
1919	16.78	25.13	23.69	22.70	4.98	28.34	16.97
1920	10.94	20.64	19.48	15.96	3.29	11.81	11.74
1921	7.62	14.82	14.15	10.58	2.64	11.14	8.22
1922	8.79	14.18	13.03	12.82	2.60	10.71	9.36
1923	8.92	16.53	15.14	13.54	3.19	12.38	10.63
1924	8.70	14.30	13.43	13.81	3.11	15.35	10.62
1925	9.36	15.40	14.52	13.52	3.33	15.87	9.99
1926	10.87	15.42	15.06	13.57	2.61	19.06	9.45
1927	7.64	11.64	12.15	11.96	1.77	16.11	9.87
1928	8.10	12.31	13.02	13.90	2.20	16.99	11.37
1929	8.12	11.71	11.99	13.71	2.16	10.34	11.65
1930	7.13	14.14	13.26	11.99	3.02	11.79	10.55

Source: Bureau of Agricultural Economics, Department of Agriculture.

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No. 645.—GRAIN PRICES: Weighted Average Market Price per Bushel of Reported Cash Sales

Yearly average or crop year beginning—	Wheat, July–June			Corn, Nov.–Oct.		Oats, Aug.–July		Barley, Aug.–July	Rye, July–June	Flaxseed, Sept.–Aug.[1]	Kafir, Nov–Oct.[2]
	No. 1, Northern, Minneapolis	No. 2, Hard Winter, Kansas City	No. 2, Red Winter, Chicago	No. 3, Yellow, Chicago	No. 3, Yellow, Kansas City	No. 3, White, Chicago	No. 3, White, Minneapolis	No. 2, Minneapolis	No. 2, Chicago	No. 1, Minneapolis	No. 2, White, Kansas City
1909–1913	$0.99	$0.95	$0.99	$0.61	$0.60	$0.40	$0.38	$0.64	$0.70	$1.92	$1.34
1914–1920	1.90	1.85	1.83	1.15	1.12	.60	.58	1.02	1.52	3.03	2.17
1921–1925	1.39	1.27	1.33	.79	.78	.42	.38	.65	.94	2.47	1.52
1926–1930	1.23	1.16	1.26	.85	.79	.44	.42	.65	.93	2.27	1.31
1916	1.76	1.71	1.68	1.11	1.06	.54	.52	1.17	1.54	2.91	3.24
1917	2.20	[3] 2.52	2.25	1.63	1.63	.71	.71	1.49	2.11	3.78	3.28
1918	2.25	2.19	2.22	1.62	1.56	.70	.66	1.00	1.61	4.19	2.86
1919	2.72	2.42	2.24	1.59	1.60	.80	.80	1.43	1.70	4.52	2.41
1920	2.07	1.83	2.23	.62	.59	.51	.48	.74	1.62	2.09	1.06
1921	1.43	1.20	1.25	.55	.54	.35	.32	.55	.97	2.19	1.36
1922	1.20	1.13	1.14	.73	.74	.41	.36	.58	.81	2.58	1.63
1923	1.17	1.05	1.02	.88	.78	.45	.40	.63	.70	2.44	1.51
1924	1.56	1.35	1.58	1.06	1.12	.50	.47	.84	1.25	2.63	1.81
1925	1.61	1.63	1.64	.75	.74	.41	.37	.67	.96	2.52	1.30
1926	1.46	1.35	1.38	.87	.88	.43	.42	.71	1.01	2.24	1.20
1927	1.36	1.35	1.40	1.01	.85	.55	.50	.84	1.06	2.20	1.46
1928	1.18	1.12	1.38	.92	.85	.44	.41	.65	1.01	2.33	1.38
1929	1.33	1.20	1.30	.83	.80	.44	.42	.59	1.02	2.92	1.53
1930	.83	.76	.86	.60	.55	.35	.33	.47	.54	1.65	.98

[1] Average closing price through December, 1920. [2] Price per 100 pounds. [3] 11-month average.

Source: Bureau of Agricultural Economics, Department of Agriculture.

No. 646.—GRAIN RECEIVED AT SIX ATLANTIC PORTS

Note.—Data are for calendar years. Total receipts by ports include flour, meal, and malt reduced to grain equivalent. Receipts at New York, Boston, Philadelphia, and Baltimore include shipments from the West to foreign countries through these ports on through bills of lading. Receipts at Baltimore include flour ground by city millers, and therefore duplicate an equivalent quantity of wheat received in grain

	1910	1915	1920	1925	1929	1930	1931
TOTALS BY PORTS							
	1,000 bu.	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*	*1,000 bu.*
New York, total	93,320	220,667	145,534	189,162	140,089	126,383	112,734
By canal via river	10,168	2,504	4,139	32,767	29,098	39,797	41,995
Coastwise and river	410	7,120	5,966	9		462	10
By rail	82,742	211,044	135,429	156,386	110,991	86,124	70,729
Boston	22,402	28,097	13,099	11,911	10,837	7,918	10,817
Philadelphia	28,736	69,772	45,148	55,933	20,209	13,529	16,522
Baltimore	32,272	105,856	74,260	35,552	27,804	17,693	18,132
New Orleans	16,213	56,774	72,976	32,039	24,780	24,639	13,345
Montreal, Canada	44,178	68,185	67,044	179,959	113,623	110,675	111,773
COMMODITY							
Flour, 1,000 bbls.	16,841	23,279	17,016	23,801	27,473	24,291	18,498
Corn meal, do.	1,039	941	77	75	81	86	96
Wheat, 1,000 bu.	62,944	260,719	220,296	238,631	153,136	167,771	152,036
Corn, do.	42,193	45,434	17,916	13,220	11,784	4,829	3,815
Oats, do.	47,181	104,554	34,629	76,401	22,005	10,255	16,839
Barley, do.	3,929	16,195	16,600	45,191	33,078	6,086	24,961
Rye, do.	934	13,928	51,742	23,709	2,386	2,245	2,048
Total grain, do.	157,181	440,829	341,183	397,152	222,389	191,186	199,699
Flour and meal [1], do.	79,940	108,522	76,878	107,404	114,952	109,651	83,624
Grand total, do.	**237,122**	**549,351**	**418,061**	**504,556**	**337,341**	**300,837**	**283,323**

[1] Grain equivalent.

Source: New York Produce Exchange.

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No. 647.—GRAIN RECEIPTS AT PRIMARY MARKETS, BY CROP YEARS

[All figures in thousands of bushels. Number of pounds to a bushel: Wheat, 60; corn, 56; oats, 32]

Yearly average or year beginning—	Total	Chicago	Milwaukee	Minneapolis	Duluth	St. Louis	Toledo	Detroit	Kansas City	Peoria	Omaha	Indianapolis
	WHEAT											
July 1:												
1914–1920	385,102	60,469	9,655	119,090	51,044	38,228	6,628	2,121	67,515	2,232	22,521	4,600
1921–1925	388,647	49,959	5,903	112,209	66,874	37,295	10,801	1,636	74,144	2,601	22,541	4,685
1926–1930	430,974	38,369	6,781	105,921	86,924	41,458	13,447	1,998	94,057	2,037	35,047	4,934
1925	325,490	25,776	4,919	111,877	70,210	29,697	8,945	1,006	52,502	1,769	15,023	3,766
1926	359,435	39,062	6,867	89,148	53,061	33,342	14,715	2,677	92,740	1,314	21,486	5,023
1927	462,709	45,851	5,662	125,615	118,855	34,167	14,171	2,281	77,775	1,336	31,948	5,048
1928	488,334	33,755	5,526	121,893	108,268	53,231	14,118	1,836	106,417	2,411	37,427	3,452
1929	388,495	29,780	6,455	91,020	72,650	40,355	12,618	1,583	91,720	2,036	34,353	5,925
1930	455,898	43,397	9,396	101,930	81,787	46,197	11,612	1,612	101,634	3,089	50,020	5,224
	CORN											
Nov. 1:												
1914–1920	246,387	101,633	14,788	10,643	[1] 1,348	22,286	3,025	3,043	18,263	25,349	26,731	19,469
1921–1925	266,015	115,372	14,538	13,213	5,061	30,749	3,774	1,423	18,436	22,221	22,668	18,559
1926–1930	239,915	85,776	12,434	11,554	1,493	28,170	1,894	785	29,743	22,306	23,465	22,294
1925	226,484	92,283	7,519	9,867	142	27,751	4,665	610	18,034	27,139	20,396	18,078
1926	220,778	91,869	11,000	11,261	177	21,005	3,940	1,489	12,453	26,098	21,836	19,650
1927	293,627	104,975	14,471	9,378	505	35,261	1,480	1,018	46,807	25,056	32,859	21,817
1928	268,798	95,265	14,987	12,169	2,257	38,108	1,796	703	34,468	27,134	17,355	24,556
1929	235,102	77,409	13,726	13,325	1,588	25,466	1,253	417	29,025	22,882	26,522	23,489
1930	181,270	59,364	7,984	11,639	2,937	21,008	1,002	298	25,961	10,362	18,755	21,960
	OATS											
Aug. 1:												
1914–1920	277,426	121,664	30,007	31,750	3,963	27,613	5,583	4,390	10,295	12,090	15,837	14,234
1921–1925	226,219	71,431	19,646	35,224	12,494	31,186	5,860	2,376	9,834	12,833	14,494	10,841
1926–1930	133,168	40,108	10,739	20,884	4,147	20,084	6,274	1,067	4,537	7,545	7,176	10,607
1925	207,817	50,669	13,970	36,342	26,798	28,549	7,814	1,127	11,443	9,850	12,972	8,283
1926	143,960	49,420	14,826	18,205	2,360	21,076	8,781	1,352	3,270	8,954	6,628	9,088
1927	148,485	53,591	10,411	27,138	1,145	19,351	4,507	1,389	4,226	9,195	8,844	8,688
1928	138,944	41,023	7,611	20,899	3,527	24,257	7,189	1,143	4,951	7,100	6,853	14,391
1929	133,669	34,680	12,557	21,409	5,727	19,355	4,345	618	6,417	7,796	9,228	11,537
1930	100,780	21,827	8,290	16,768	7,978	16,381	6,546	833	3,821	4,681	4,325	9,330

[1] 6-year average; no report for 1915.

Source: Bureau of Agricultural Economics, Department of Agriculture. Compiled from Chicago Daily Trade Bulletin and the annual reports of the Chicago Board of Trade.

No. 648.—FREIGHT RATES ON WHEAT FROM CHICAGO TO NEW YORK

NOTE.—In cents per bushel. For earlier years see Statistical Abstract, 1925, p. 679

Calendar year	By lake and canal	By lake and rail	By all rail [1]	Calendar year	By lake and canal	By lake and rail	By all rail [1]
1894	4.44	7.00	12.88	1913	5.74	7.01	9.60
1895	4.11	6.95	12.17	1914	5.31	6.54	9.60
1896	5.38	7.32	12.00	1915	6.08	7.48	10.08
1897	4.35	7.37	12.32	1916	7.95	9.55	10.08
1898	4.42	4.96	11.55	1917	8.72	9.99	10.08
1899	5.65	6.63	11.13	1918	12.53	12.27	12.90
1900	4.42	5.05	9.98	1919	10.94	11.60	14.70
1901	5.14	5.57	9.92	1920	14.70	15.32	16.68
1902	5.25	5.78	10.60	1921	10.29	10.91	20.10
1903	5.44	6.17	11.33	1922	11.63	11.93	19.65
1904	4.71	5.02	11.11	1923	10.94	12.43	18.00
1905	5.51	6.44	10.20	1924	8.67	10.92	18.00
1906	5.94	6.48	10.50	1925	7.24	10.89	18.00
1907	6.68	6.93	11.30	1926	8.68	12.04	18.00
1908	6.00	6.33	11.70	1927	7.16	11.14	18.00
1909	5.35	6.88	11.70	1928	8.40	11.36	18.00
1910	5.13	6.57	9.60	1929	6.37	10.42	18.00
1911	5.35	5.25	9.69	1930	6.41	10.80	18.00
1912	5.57	6.17	9.60	1931	5.52	10.00	18.00

[1] Rates beginning with 1900 represent wheat for domestic consumption, lower rates applying on grain for export.

Source: New York Produce Exchange.

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No. 649.—FREIGHT RATES ON WHEAT FROM BUFFALO TO NEW YORK BY CANAL

Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate	Calendar year	Average rate
	Cents per bushel		*Cents per bushel*		*Cents per bushel*		*Cents per bushel*
1891	3.5	1902	3.8	1913	4.6	1924	6.8
1892	3.5	1903	4.0	1914	4.3	1925	5.0
1893	4.6	1904	3.2	1915	4.6	1926	5.1
1894	3.2	1905	3.9	1916	5.0	1927	5.0
1895	2.2	1906	4.2	1917	4.4	1928	6.0
1896	3.7	1907	5.0	1918	9.3	1929	4.4
1897	2.8	1908	5.0	1919	8.2	1930	5.1
1898	2.8	1909	3.9	1920	10.3	1931	3.6
1899	3.0	1910	4.0	1921	7.4		
1900	2.5	1911	4.3	1922	10.4		
1901	3.5	1912	4.4	1923	7.1		

Source: Secretary of the Buffalo Chamber of Commerce prior to 1931; 1931 from Commissioner of Canals and Waterways, Department of Public Works, State of New York.

No. 650.—FREIGHT RATES ON GRAIN, FLOUR, AND PROVISIONS, CHICAGO TO EUROPEAN PORTS

NOTE.—Rates cover all-rail transportation to New York and steamer to foreign ports. Rail rates on grain and flour are reshipping rates. Steamer rates are berth rates. Owing to the war complete statements of freight averages for 1914 to 1916 are impossible and for 1917, 1918, 1919, and, in the case of a number of ports, for the earlier months of 1920 no figures are available

[Rates in cents per 100 pounds]

Destination	1900	1905	1910	1913	1921	1924	1925	1926	1927	1928	1929	1930	1931
Grain:													
Liverpool [1]	29.49	19.16	18.15	23.39	48.17	34.87	33.8	37.17	33.89	32.32	30.69	30.30	27.77
Glasgow [1]	30.98	20.00	15.91	22.92	(2)	34.39	35.3	39.80	36.42	33.90	34.10	34.70	30.39
London [1]	31.10	20.23	17.75	24.33	(2)	33.95	33.4	36.66	34.31	31.74	30.18	30.30	27.51
Antwerp	------	------	18.05	24.62	45.02	34.50	33.9	35.83	35.56	32.38	32.35	30.75	28.22
Hamburg	------	------	------	26.16	45.76	35.22	35.0	37.15	36.50	33.04	31.19	30.11	28.57
Amsterdam	------	------	------	25.07	49.53	------	------	47.50	39.50	33.91	32.75	31.76	27.98
Rotterdam	------	------	------	25.07	48.64	35.50	35.5	37.26	36.18	33.04	31.86	30.67	27.98
Sacked flour:													
Liverpool	27.90	22.40	19.75	30.00	58.63	42.80	43.8	46.68	45.01	43.17	42.19	40.44	36.88
Glasgow	31.56	22.50	21.50	32.00	(2)	45.11	45.0	47.93	47.39	45.17	44.19	43.52	38.42
London	35.01	23.64	22.00	30.50	(2)	42.73	43.9	46.66	45.04	43.17	42.19	40.44	36.88
Antwerp	------	------	------	35.60	55.27	43.75	44.3	45.31	48.05	45.71	43.98	41.54	39.42
Hamburg	------	------	------	37.00	56.15	43.58	44.1	45.51	46.80	45.79	43.02	41.54	39.42
Amsterdam	------	------	------	30.00	55.74	44.13	44.6	46.10	47.70	46.50	44.54	42.35	39.42
Rotterdam	------	------	------	29.00	55.12	44.13	44.6	44.34	47.81	45.71	43.67	41.54	39.42
Copenhagen	------	------	------	40.00	64.01	48.94	50.4	51.15	55.32	53.50	53.50	53.50	51.42
Stockholm	------	------	------	43.00	------	52.25	53.5	54.42	57.32	55.69	56.50	56.50	54.42
Provisions:													
Liverpool	48.84	38.49	45.38	51.00	137.13	104.83	106.5	106.50	116.33	117.75	101.50	101.50	101.50
Glasgow	55.31	43.23	46.88	55.31	(2)	104.83	106.5	106.50	116.33	117.75	101.50	101.50	101.50
London	55.87	40.88	47.62	51.00	(2)	104.83	106.5	106.50	116.33	117.75	101.50	101.50	101.50
Antwerp	51.09	43.70	49.44	55.22	104.01	87.75	86.5	87.13	89.00	91.50	97.80	99.00	99.00
Hamburg	50.00	45.75	50.00	55.33	104.87	91.50	91.5	91.50	110.50	95.67	90.50	91.50	91.50
Amsterdam	51.00	45.42	48.00	54.00	104.25	87.75	86.5	86.72	89.00	91.50	97.80	99.00	99.00
Rotterdam	51.00	44.53	47.00	53.00	104.25	87.75	86.5	86.72	89.00	89.00	97.80	99.00	99.00
Copenhagen	55.31	48.66	55.31	69.43	113.00	100.87	96.5	100.92	103.00	101.50	101.50	101.50	104.83
Stockholm	64.50	51.47	56.72	73.14	------	102.00	104.0	104.27	109.00	104.24	102.25	103.00	103.00
Bordeaux	64.12	51.45	57.50	71.25	105.16	105.45	106.5	106.50	110.75	109.83	102.36	111.50	111.50
Havre	------	------	------	69.38	104.20	105.45	106.5	106.50	110.75	109.83	102.36	111.50	111.50

[1] Berth rates to British ports beginning 1922 converted from English money at average exchange rates.
[2] Rates for Liverpool applied to London and Glasgow.

Source: 1900 to 1916, Secretary of the Board of Trade of Chicago; thereafter, compiled in Bureau of Foreign and Domestic Commerce from various sources.

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No. 651.—FOOD MANUFACTURING INDUSTRIES: MATERIALS USED AND PRODUCTS

Industry, material, and product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
CANNING AND PRESERVING							
Canning and preserving industry, all products, total value					677, 131	637, 428	831, 190
Canned and processed vegetables, fruits, and sea foods, all industries [1]					665, 577	618, 335	797, 639
Fruits, vegetables, and soups					457, 838	400, 238	539, 434
Canned vegetables and soups					282, 891	234, 260	325, 738
Beans	Case [2]	24, 680	25, 360	31, 454	55, 165	53, 069	69, 664
Corn	do	22, 597	10, 255	16, 724	51, 346	22, 855	36, 797
Peas	do	16, 544	13, 085	17, 546	42, 887	34, 031	44, 508
Tomatoes	do	21, 807	18, 229	21, 401	42, 680	33, 814	42, 171
Asparagus	do	1, 896	2, 177	2, 727	10, 487	12, 202	15, 465
Spinach	do	2, 045	2, 462	4, 815	5, 456	6, 225	12, 132
All other (incl. soups)	do	25, 299	25, 788	38, 166	74, 870	72, 064	105, 002
Canned fruits					102, 638	101, 731	137, 399
Peaches	Case [2]	10, 526	11, 305	8, 724	38, 562	36, 235	35, 675
Apples	do	3, 467	2, 939	3, 593	6, 951	5, 895	7, 941
Berries	do	2, 120	2, 375	2, 516	9, 080	9, 807	10, 750
Pears	do	3, 880	2, 954	4, 932	20, 898	13, 067	24, 450
Apricots	do	2, 088	3, 090	4, 267	7, 668	12, 256	17, 134
Cherries	do	1, 487	1, 229	2, 141	7, 253	6, 490	11, 781
Fruits for salad	do	914	1, 101	1, 680	6, 972	7, 575	11, 005
All other	do	1, 511	2, 562	5, 198	5, 254	10, 406	18, 662
Dried fruits	Pound	1, 054, 127	1, 012, 796	938, 699	72, 119	64, 167	75, 892
Raisins	do	533, 722	435, 292	421, 204	28, 788	25, 824	23, 513
Prunes	do	397, 583	438, 886	347, 349	28, 971	23, 738	30, 362
Peaches	do	36, 857	38, 038	35, 850	3, 555	3, 895	4, 308
Apples	do	21, 121	22, 253	44, 620	2, 227	2, 228	5, 206
Apricots	do	33, 039	36, 755	43, 090	5, 434	5, 439	7, 320
All other	do	31, 805	41, 572	46, 587	3, 144	3, 043	5, 183
Dried and dehydrated vegetables	do	1, 276	200		189	80	405
Fish and oysters					58, 637	64, 410	75, 993
Canned fish, oysters, etc.					47, 463	51, 090	58, 470
Salmon	Case [3]	1, 559	1, 504	1, 561	15, 380	15, 712	14, 303
Sardines	do. [4]	5, 163	6, 183	9, 273	13, 097	14, 518	18, 193
Shrimps	do. [5]	736	853	980	3, 783	5, 322	5, 535
Tuna	do. [6]	1, 102	1, 256	1, 541	8, 499	8, 368	10, 798
Oysters	do. [5]	568	447	455	3, 009	2, 368	2, 174
Clams	do. [5]	122	202	167	819	1, 402	943
All other	do. [3]	592	586	1, 157	2, 876	3, 400	6, 523
Cured fish	Pound	88, 349	91, 213	102, 489	11, 174	13, 320	17, 523
Pickles, sauces, etc.					109, 283	116, 005	135, 263
Preserves, jams, etc.					39, 819	37, 682	47, 149
FLOUR-MILL INDUSTRY							
Grains, ground:							
Wheat	Bushel [7]	530, 593	544, 054	546, 242			
Corn	do. [7]	105, 355	92, 693	87, 453			
Rye	do. [7]	8, 126	9, 255	9, 671			
Buckwheat	do. [7]	2, 408	2, 761	2, 027			
Oats	do. [7]	45, 818	27, 761	29, 006			
Barley	do	15, 658	8, 180	9, 499			
Other grains	do		3, 805	1, 939			
Flour and other grain-mill products industry, all products, total value					1, 298, 015	1, 148, 760	1, 060, 269
Flour, meal, feed, etc., all industries [1]					1, 235, 991	1, 115, 498	1, 040, 185
Wheat flour	Barrel [8]	114, 690	118, 132	120, 040	910, 170	820, 273	737, 309
Rye flour	do	1, 598	1, 724	1, 679	9, 152	9, 299	9, 179
Buckwheat flour	Pound	47, 873	44, 559	38, 453	1, 913	1, 674	1, 570
Corn meal and flour	Barrel [9]	9, 707	9, 867	11, 077	48, 253	44, 840	55, 520
Other flour	Pound		2, 394	21, 091		206	782
Bran and middlings	Ton [10]	4, 527	4, 638	4, 682	137, 897	142, 194	141, 985
Feed, screenings, etc.	do	3, 430	2, 749	2, 472	128, 606	97, 013	93, 840

For footnotes, see p. 669.

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No. 651.—Food Manufacturing Industries: Materials Used and Products—Continued

Industry, material, and product	Quantity (thousands of units specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
CORN SIRUP, CORN SUGAR, CORN OIL, AND STARCH							
Corn sirup, corn sugar, corn oil, and starch industry, all products, total value					132,898	134,461	165,984
Corn sirup, corn oil, starch, etc., all industries [1]					112,436	111,123	135,215
Cornstarch	Pound	854,125	1,012,175	1,046,435	33,716	32,317	39,285
Corn sirup (incl. mixtures)	do	1,145,946	1,123,791	1,165,183	41,314	32,519	40,553
Corn sugar	do	580,370	904,831	896,121	19,505	25,635	30,217
Corn oil	do	110,716	148,290	176,499	15,224	18,275	20,165
All other					2,677	2,377	4,996
RICE CLEANING AND POLISHING							
Rough rice milled	Pound	1,438,901	1,915,038	1,749,962			
All products, total value					53,498	54,130	43,794
Clean rice	Pound	947,787	1,246,643	1,243,071	51,113	51,828	46,088
All other					2,385	2,302	2,706
BEET SUGAR							
Beets treated	Ton [10]	7,423	6,711	6,951			
All products, total value					132,389	104,927	108,553
Sugar	Ton [10]	1,083	899	1,086	124,413	98,585	100,767
Molasses	do	143	76	78	2,251	692	1,169
Pulp	do	1,550	1,308	1,461	5,530	4,414	5,231
All other					145	1,236	1,386
CANE SUGAR							
Cane crushed	Ton [10]		975	2,726			
All products, total value					13,435	8,009	18,326
Sugar	Ton [10]	116	56	180	9,670	5,115	13,750
Molasses other than blackstrap	Gallon	5,520	3,284	7,957	1,131	927	1,370
Blackstrap molasses	do	9,651	2,301	10,874	621	193	1,088
Sirup	do	5,699	3,885	4,625	1,768	1,341	1,341
All other					246	433	777
CANE SUGAR REFINING							
Raw sugar treated	Ton [10]	5,735	5,405	5,296			
All products, total value					606,633	597,446	507,389
Refined sugar, sirup, etc.					606,120	597,039	507,198
Refined sugar	Ton [10]	5,412	5,128	5,115	600,109	593,620	502,404
Sirup	Gallon	8,536	5,537	4,320	2,152	1,247	920
Refiners' blackstrap	do	37,373	31,014	32,169	3,859	2,172	3,044
Miscellaneous sugar products							830
All other products					513	407	191
CHOCOLATE AND COCOA PRODUCTS							
Chocolate and cocoa products industry, all products, total value					106,642	122,723	119,541
Chocolate, cocoa, etc., all industries [1]					117,633	125,532	119,359
Chocolate in cakes, including coatings	Pound	417,863	406,245	419,839	96,970	99,083	97,149
Cocoa	do	85,746	91,114	105,694	11,176	13,821	15,054
Cocoa butter	do	25,359	22,769	19,184	6,818	8,555	5,428
Other chocolate and cocoa products					2,869	4,073	1,728

[1] Includes beside amounts produced in the industry named above, data for similar products made in establishments classified in other industries. [2] Figures represent actual numbers of cases of all sizes. [3] 48 1-pound cans. [4] 100 No. ¼ cans. [5] 48 No. 1 cans. [6] 48 No. ½ cans. [7] Weight of bushel: Wheat, 60 pounds; both corn and rye, 56; buckwheat, 48; oats, 32. [8] 196 pounds. [9] 200 pounds. [10] 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

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29.—FORESTS AND FOREST PRODUCTS

[Data in this section relate to continental United States only except those for national forests which include Alaska, or Alaska and Puerto Rico, as indicated]

No. 652.—FORESTS: Estimated Original Area, Area in 1930, Stand of Saw Timber, and Annual Growth, 1930, by Regions

Note.—Data in the following table are necessarily approximate. The original area and area in 1930 refer only to land capable of producing commercial timber in commercial quantities, and do not include the low-grade woodland and scrub; the 11,000,000 acres in parks, monuments, etc., are excluded from the forest area in 1930. Annual growth relates to acreage specified as growing area, other areas having no growth in excess of decay

Region	Original area (thousand acres)	Area (thousand acres), 1930						
		Total	Saw timber			Cord wood	Fair to satisfactory restocking	Poor to nonrestocking
			Total	Old growth	Second growth			
Total	**822,238**	**495,879**	**138,645**	**98,855**	**89,790**	**120,881**	**102,073**	**84,280**
New England [1]	38,908	27,273	13,860	7,976	5,884	4,843	6,145	2,425
Middle Atlantic [2]	69,610	27,139	7,294	26	7,268	10,518	5,998	3,329
Lake [3]	104,320	55,895	5,095	2,664	2,431	8,880	28,165	13,755
Central [4]	166,270	64,249	21,224	1,664	19,560	25,592	12,245	5,188
Southeast [5]	298,640	191,739	57,265	14,338	42,927	52,702	37,236	44,536
Pacific Coast [6]	77,120	66,685	44,140	38,892	5,248	6,683	6,190	9,672
North Rocky Mountain [7]	33,490	32,329	17,026	15,172	1,854	5,704	5,933	3,666
South Rocky Mountain [8]	33,880	30,570	22,741	18,123	4,618	5,959	161	1,709

Region	Stand of saw timber (millions of board feet), 1930			Annual growth on saw-timber and cordwood areas, 1930				
	Total	Softwoods	Hardwoods	Total [9] (millions of cubic feet)	Saw-timber size (millions of board feet)			Cordwood size on cordwood areas (millions of cubic feet)
					Total	Softwoods	Hardwoods	
Total	**1,667,803**	**1,485,850**	**181,953**	**7,040**	**9,740**	**6,200**	**3,540**	**4,455**
New England [1]	57,875	32,811	25,064	390	790	430	360	170
Middle Atlantic [2]	26,150	8,245	17,905	585	600	180	420	385
Lake [3]	35,887	9,193	26,694	175	125	15	110	135
Central [4]	34,622	2,900	31,722	1,040	865	65	800	645
Southeast [5]	199,297	121,449	77,848	3,830	5,350	3,520	1,830	2,475
Pacific Coast [6]	1,041,628	1,038,909	2,719	520	1,200	1,180	20	335
North Rocky Mountain [7]	146,388	146,388	----------	300	440	440	----------	200
South Rocky Mountain [8]	125,956	125,955	1	200	370	370	----------	110

[1] Main, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
[2] New York, New Jersey, Pennsylvania, Delaware, and Maryland.
[3] Michigan, Wisconsin, Minnesota, and North Dakota.
[4] Ohio, Indiana, Illinois, West Virginia, Kentucky, Tennessee, Iowa, and Missouri. Data for Kansas and Nebraska are not available, but these omissions from the central region estimates are unimportant.
[5] Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Arkansas, Louisiana, Texas, and Oklahoma.
[6] Idaho and Montana.
[7] Wyoming, Colorado, South Dakota, New Mexico, Arizona, Utah, and Nevada.
[8] California, Oregon, and Washington.
[9] Includes growth of trees of cordwood size on saw-timber areas.

Source: Forest Service, Department of Agriculture.

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No. 653.—STAND OF SAW TIMBER (ESTIMATED): BY REGION AND KIND OF WOOD, 1930

[Quantity in millions of board feet]

Kind of wood	Total	New England	Middle Atlantic	Lake	Central	Southeast	Pacific coast	North Rocky Mountain	South Rocky Mountain
Grand total	**1,667,803**	**57,875**	**26,150**	**35,887**	**34,622**	**199,297**	**1,041,628**	**146,388**	**125,956**
Eastern hardwoods, total	**179,283**	**25,064**	**17,905**	**26,694**	**31,722**	**77,848**			
Oak	60,753	1,048	4,783	6,017	16,315	32,590			
Birch, beech, and maple	49,943	20,973	8,555	13,459	4,401	2,555			
Red gum	15,488		71		874	14,543			
Tupelo	6,342				116	6,226			
Yellow poplar	5,172	18	203		1,635	3,316			
Cottonwood and aspen	4,437	2,022	20	887	222	1,286			
Others	37,008	1,003	4,273	6,331	8,159	17,332			
Eastern softwoods, total	**174,598**	**32,811**	**8,245**	**9,193**	**2,900**	**121,449**			
Southern yellow pine	118,132		597		1,433	116,102			
Spruce and fir	21,533	18,720	1,564	843	175	231			
White and Norway pine	14,672	8,390	3,530	2,392	159	201			
Hemlock	12,198	3,675	2,462	4,612	765	684			
Cypress	4,140				263	3,877			
Others	3,923	2,026	92	1,346	105	354			
Western hardwoods, total	**2,720**						**2,719**		**1**
Western softwoods, total	**1,311,252**						**1,038,909**	**146,388**	**125,955**
Douglas fir	530,197						484,138	33,933	12,126
Western yellow pine	251,560						178,051	31,938	41,571
True firs	131,933						109,196	14,594	8,143
Western hemlock	86,464						86,464		
Spruce	61,582						12,782	12,513	36,287
Redwood	57,233						57,233		
Lodgepole pine	43,276						2,143	14,556	26,577
Sugar pine	35,516						35,516		
Western larch	26,118						8,043	18,075	
Western white pine	19,508						3,944	15,564	
Others	67,865						61,399	5,215	1,251

No. 654.—NATIONAL FORESTS: AREA AND STANDING TIMBER

NOTE.—On June 30, 1932, there were 16,076,147 acres of State forests, including forest preserves of New York, Hawaiian and Puerto Rican forest reserves, State parks, and other forest lands belonging to States; also 1,373,147 acres of municipal and county forests and parks

State	Net area, 151 forests, June 30, 1931 (acres)	Standing timber, Jan. 1, 1926		State	Net area, 151 forests, June 30, 1931 (acres)	Standing timber, Jan. 1, 1926	
		Saw-timber (million board feet)	Cordwood (1,000 cords)			Saw-timber (million board feet)	Cordwood (1,000 cords)
Total	**160,787,687**	**552,339**	**91,142**	Nevada	4,978,265	268	6,613
Cont'l U. S.	**139,430,777**	**467,579**	**91,142**	New Hampshire	[1] 482,792	1,027	
Alabama	[1] 123,456	124	34	New Jersey		3	[2]
Arizona	11,376,299	14,385	11,427	New Mexico	8,502,747	11,187	13,448
Arkansas	[1] 1,220,625	1,799		New York		3	[2]
California	19,084,571	100,599	24,771	North Carolina	[1,3] 353,485	421	2,727
Colorado	13,323,566	22,167	5,694	Oklahoma	61,480		
Florida	[1] 416,117	182	1,288	Oregon	13,444,133	138,266	
Georgia	[1] 269,503	338	455	Pennsylvania	[1] 350,023	17	134
Idaho	19,453,182	46,993	6,017	South Carolina	[1] 46,820	73	83
Illinois	10,710			South Dakota	1,066,949	2,508	831
Kentucky		10		Tennessee	[1] 379,632	567	719
Louisiana	[1] 66,983			Utah	7,471,490	5,225	6,670
Maine	[1] 33,482	57		Virginia	[1] 601,370	320	877
Maryland		1	6	Washington	9,534,869	77,155	
Michigan	[1] 432,646	9	37	West Virginia	[1] 318,016	75	148
Minnesota	[1] 1,119,377	859	6,349	Wyoming	8,494,514	14,447	2,813
Montana	16,167,649	28,495		Alaska	21,344,467	84,760	
Nebraska	206,026			Puerto Rico	12,443		

[1] Includes acreage actually acquired under the Weeks law.
[2] Less than 500 cords.
[3] Includes 11,369 acres transferred from the Treasury Department.

Source of Tables 653 and 654: Forest Service, Department of Agriculture.

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No. 655.—NATIONAL FORESTS: Lands Acquired or Approved for Purchase Under Weeks Law to June 30, 1931

State and area	Total area approved for purchase	Area acquired	Area approved but not acquired	State and area	Total area approved for purchase	Area acquired	Area approved but not acquired
	Acres	*Acres*	*Acres*		*Acres*	*Acres*	*Acres*
Grand total	**4,669,096**	**4,003,848**	**665,248**	North Carolina, total	439,226	382,046	57,180
				Cherokee (part)	8,353	6,957	1,396
Alabama: Alabama	115,763	105,747	10,016	Nantahala (part)	150,532	121,205	29,327
Arkansas, total	331,842	283,055	48,787	Pisgah (part)	280,341	253,884	26,457
Ouachita	175,975	153,266	22,709				
Ozark	155,867	129,789	26,078	Oklahoma: Kiamichi	56,613	48,097	8,516
				Pennsylvania: Allegheny	372,874	350,003	22,871
Florida, total	230,598	197,960	32,638	South Carolina: Nantahala (part)	48,423	46,820	1,603
Choctawatchee	59,232	586,98	534				
Ocala	25,583	14,239	11,344				
Osceola	145,783	125,023	20,760	Tennessee, total	393,503	379,628	13,875
				Cherokee (part)	206,875	201,304	5,571
Georgia, total	336,954	269,489	67,465	Pisgah (part)	37,350	30,970	6,380
Cherokee (part)	198,769	168,197	30,572	Unaka (part)	149,278	147,354	1,924
Nantahala (part)	138,185	101,292	36,893				
				Vermont: Green Mountain	31,228		31,228
Louisiana: Kisatchie	86,165	66,983	19,182	Virginia, total	613,570	601,236	12,334
Maine: White Mountain (part)	33,746	33,482	264	Monongahela (part)	10,414	10,414	
				Natural Bridge	169,144	165,056	4,088
Michigan, total	329,422	208,435	120,987	Shenandoah (part)	380,964	374,294	6,670
Hiawatha	94,236	54,001	40,235	Unaka (part)	53,048	51,472	1,576
Huron	84,433	76,833	7,600				
Marquette	70,856	39,172	31,684	West Virginia, total	334,726	318,016	16,710
Ottawa	79,897	38,429	41,468	Monongahela (part)	263,014	252,133	10,881
				Shenandoah (part)	71,712	65,883	5,829
Minnesota: Superior	127,901	115,060	12,841				
Mississippi: Homochitto	63,147		63,147	Wisconsin, total	222,486	114,999	107,487
				Flambeau	104,093	36,927	67,166
New Hampshire: White Mountain (part)	500,909	482,792	18,117	Moquah	66,613	38,047	28,566
				Oneida	51,780	40,025	11,755

No. 656.—NATIONAL FORESTS: Summary of Operations

Note.—Data for revenue are for fiscal years ended June 30; all other data are for calendar years. Figures include data for national forests in Alaska

Item	1925	1926	1927	1928	1929	1930	1931
Timber sales:							
Number	12,349	13,199	12,648	13,791	13,864	15,093	15,873
Quantity [1] M ft.[2]	1,771,531	1,489,372	642,698	2,689,916	1,050,894	3,370,417	608,208
Timber cut under sales do	1,183,167	1,175,273	1,091,621	1,336,614	1,421,188	1,254,963	793,042
Free timber given:							
Number of users	32,695	34,797	35,068	38,165	42,135	53,930	81,618
Timber cut M ft.[2]	78,348	[3] 88,170	81,363	82,442	86,768	116,096	167,680
Value dolls	81,902	[3] 97,330	91,346	90,111	97,518	116,786	162,017
Grazing, kinds of stock: [3]							
Cattle No	1,538,942	1,456,858	1,403,191	1,335,903	1,322,465	1,321,431	1,346,160
Goats do	19,795	15,666	18,046	17,070	15,487	13,496	14,645
Swine do	846	1,085	1,002	1,206	853	540	431
Horses do	57,904	57,396	55,629	51,956	48,171	42,357	37,663
Sheep do	6,162,263	6,212,657	6,376,838	6,509,421	6,650,719	6,799,236	6,701,931
Revenue, total dolls	**5,000,137**	**5,155,661**	**5,166,606**	**5,441,601**	**6,299,802**	**6,751,553**	**4,993,320**
From—							
Timber [4] do	2,940,393	3,366,685	3,253,243	3,325,245	4,108,595	4,389,893	2,607,618
Water power do	95,287	94,718	98,749	101,798	113,228	107,493	112,308
Special uses do	229,236	259,820	277,612	285,684	287,119	300,257	301,712
Grazing do	1,725,377	1,421,589	1,530,952	1,713,730	1,740,290	1,942,914	1,960,642
All other do	9,844	12,849	6,050	15,144	50,570	10,996	11,040

[1] Amount sold is to be cut during a period of years; hence greater than amount cut in any one year.
[2] Board measure.
[3] Number actually grazed under permit.
[4] Includes receipts from timber and turpentine sales, timber settlement and trespass.

Source of Tables 655 and 656: Forest Service, Department of Agriculture.

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No. 657.—FOREST FIRES: Area, Number, and Damage

NOTE.—Data were compiled from reports by the National Forest Supervisors and from those of cooperating States. Figures for fires on national parks and Indian reservations are not available for inclusion.

Year	Area needing protection	Area protected	Area unprotected [1]	Number of fires		Area burned		Damage [2]	
				On protected area	On unprotected area [1]	On protected land	On unprotected land [1]	On protected area	On unprotected area [1]
	1,000 acres	*1,000 acres*	*1,000 acres*			*1,000 acres*	*1,000 acres*	*1,000 dollars*	*1,000 dollars*
1926	529, 850	339, 238	190, 612	33, 867	57, 926	4, 755	19, 561	15, 048	11, 864
1927	533, 210	359, 725	173, 485	35, 300	123, 138	2, 784	35, 747	4, 297	29, 088
1928	555, 822	367, 605	188, 216	39, 260	136, 674	4, 111	39, 431	8, 447	74, 096
1929	[3]599, 565	[3]395, 675	203, 890	44, 076	90, 819	4, 876	41, 354	14, 139	87, 917
1930	607, 921	399, 142	208, 779	70, 832	120, 148	5, 809	46, 457	14, 597	51, 371
1931	617, 290	400, 750	216, 541	61, 854	125, 040	6, 378	45, 200	17, 018	50, 069

[1] Figures are based upon partial information only, from incomplete reports. Reliable data are not available prior to organized protection.

[2] Figures do not take into account the vast amount of intangible and indirect damage resulting from forest fires, such as that through decay or damaged timbers, replacements of desirable species of trees by less desirable but more fire-resistant ones, soil deterioration and erosion, loss of wild life, uncertain stream flow, interrupted tourist traffic, and the like.

[3] The increase in total acreage is primarily nonforest land.

Source: Forest Service, Department of Agriculture.

No. 658.—FOREST FIRES: Number, Area Burned, and Damage, by Causes, Protected Areas Only

Year	Lightning	Railroads	Campers	Smokers	Débris burning	Incendiary	Lumbering	Miscellaneous	Unknown
Number of fires:									
1927	3, 903	3, 732	2, 645	6, 747	4, 349	5, 379	2, 183	2, 946	3, 416
1928	3, 753	3, 578	3, 643	7, 703	5, 057	7, 200	1, 589	3, 540	3, 197
1929	4, 312	3, 652	3, 837	9, 507	5, 337	7, 930	1, 839	4, 165	3, 497
1930	5, 217	4, 625	5, 011	17, 460	9, 180	14, 394	1, 626	6, 987	6, 332
1931	3, 720	2, 966	5, 236	14, 488	7, 398	15, 427	1, 082	6, 243	5, 294
Area burned (acres):									
1927 [1]	94, 260	134, 820	140, 390	507, 290	318, 020	570, 110	168, 100	311, 990	232, 610
1928 [1]	234, 680	151, 480	257, 860	600, 040	483, 890	1, 453, 130	176, 060	465, 450	250, 980
1929	355, 940	119, 060	319, 480	807, 340	585, 940	1, 652, 870	359, 420	447, 010	229, 260
1930	106, 630	259, 120	294, 960	1, 044, 460	736, 460	1, 766, 090	175, 540	623, 810	802, 250
1931	221, 160	141, 580	396, 830	927, 620	644, 910	2, 224, 570	146, 900	1, 002, 420	672, 350
Damage (dollars): [2]									
1927 [1]	232, 400	329, 890	171, 650	751, 610	381, 800	659, 330	406, 940	609, 410	506, 700
1928 [1]	378, 910	266, 600	281, 740	1, 477, 150	901, 120	2, 299, 990	964, 040	975, 990	713, 920
1929 [1]	1, 723, 920	580, 410	784, 450	2, 358, 440	859, 440	3, 732, 750	2, 401, 950	1, 144, 030	500, 530
1930 [1]	331, 720	1, 005, 450	572, 310	2, 344, 420	1, 706, 590	2, 934, 020	449, 880	1, 639, 630	3, 200, 570
1931 [1]	1, 660, 310	769, 260	825, 190	1, 936, 000	1, 243, 060	4, 786, 410	888, 690	3, 185, 610	1, 237, 420

[1] The totals by causes, for these years, are less than the total area burned or total damage, shown in Tables 657 and 659 because of incomplete reports.

[2] See footnote 2, Table 657.

Source: Forest Service, Department of Agriculture.

No. 659.—FOREST FIRES: Classification of Area Burned and Damage, Protected Areas Only

AREA BURNED

Year	Productive forest (acres)			Nonproductive area (acres)				Grand total (acres)
	Mature or merchantable	Young growth	Total	Protection		No protection or forest value	Total	
				Forest	Other			
1926	942, 870	2, 993, 120	3, 935, 990	179, 750	567, 660	71, 180	818, 590	4, 754, 580
1927	587, 070	1, 536, 720	2, 123, 790	85, 580	539, 470	35, 610	660, 660	2, 784, 450
1928	746, 250	2, 028, 550	2, 774, 800	78, 370	1, 165, 180	92, 340	1, 335, 890	4, 110, 690
1929	953, 720	2, 337, 580	3, 291, 300	340, 750	855, 470	388, 800	1, 585, 020	4, 876, 320
1930	1, 322, 160	3, 399, 800	4, 721, 960	65, 870	759, 180	262, 310	1, 087, 360	5, 809, 320
1931	1, 249, 150	2, 874, 690	4, 123, 840	278, 710	1, 573, 750	402, 040	2, 254, 500	6, 378, 340

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No. 659.—Forest Fires: Classification of Area Burned and Damage, Protected Areas Only—Continued

DAMAGE [1]

Year	Timber	Reproduction	Forage	Other	Total	Protection forest value	Grand total
1926	$7,837,950	$3,911,990	$263,500	$3,034,820	$15,048,260	----------	$15,048,260
1927	1,341,230	1,527,820	398,430	1,029,920	4,297,400	----------	4,297,400
1928	2,463,050	2,551,130	612,660	2,305,690	9,732,530	$514,310	8,446,840
1929	5,965,850	3,664,750	403,100	2,911,650	12,945,350	1,193,200	14,138,550
1930	5,895,240	6,007,200	325,690	1,771,100	13,999,230	598,050	14,597,280
1931	6,821,070	5,491,850	215,820	2,751,750	15,280,490	1,737,610	17,018,100

[1] See footnote 2, Table 657.

Source: Forest Service, Deparment of Agriculture.

No. 660.—ESTIMATED QUANTITY OF TIMBER REMOVED ANNUALLY FROM FORESTS

Note.—Data, except for timber destroyed by disease, insects, etc., are based upon the average of the years 1925–1929; timber destroyed by disease, insects, etc., average of the years 1919–1929

Product and waste	Unit of measure	Quantity in thousands	Total volume removed, including cordwood [1] (M cubic feet)	Equivalent in lumber which could have been sawed from total volume removed (M feet b. m.)		
				Total	Softwoods	Hardwoods
Aggregate	----------	----------	**16,038,207**	**59,133,839**	**44,254,914**	**14,878,925**
Products, total	----------	----------	**14,495,308**	**54,641,444**	**40,228,682**	**14,412,762**
Lumber	Foot, b.m.[2]	38,000,000	7,371,372	38,000,000	30,957,920	7,042,080
Fuelwood	Cord	61,266	4,002,635	7,047,000	4,146,000	2,901,000
Ties, hewed	Piece	53,215	633,034	2,025,165	835,553	1,189,612
Fence posts	do	395,946	628,836	1,299,459	654,438	645,021
Pulpwood	Cord	5,336	588,666	1,473,620	1,316,815	156,805
Mine timbers (round)	Cu. ft	184,875	231,780	155,988	43,626	112,362
Veneer logs	Foot, l. s.	920,034	230,607	1,033,708	332,691	701,017
Slack staves	Piece	979,610	109,345	487,861	179,780	308,081
Slack heading	Set	67,766	42,452	203,016	129,737	73,279
Slack hoops	Piece	138,939	10,053	41,626	----------	41,626
Logs and bolts in manufactures.	Foot, l. s.	593,328	156,575	677,960	109,443	568,517
Tight staves	Piece	307,167	97,116	460,378	224,822	235,556
Tight heading	Set	26,609	43,733	199,372	74,138	125,234
Shingles	Piece	6,298,100	138,558	629,810	629,810	----------
Export logs and hewn timbers.	Foot, l. s.	307,570	60,514	340,535	320,503	20,032
Poles	Piece	3,443	37,571	149,374	131,859	17,515
Distillation wood	Cord	1,283	36,367	88,970	11,300	77,670
Piling	Piece	1,363	28,978	141,527	108,497	33,030
Tanning extract wood	Cord	418	26,173	118,950	----------	118,950
Excelsior wood	do	179	20,943	67,125	21,750	45,375
Destroyed by fire	----------	----------	870,690	1,390,233	1,250,948	139,285
Destroyed by disease, insects, wind and drought.	----------	----------	940,209	3,102,162	2,775,284	326,878

[1] The cordwood data in this item include trees of less than saw-timber size on saw-timber and cordwood areas.

[2] Lumber tally measure.

Sources: Forest Service, Department of Agriculture. Based in part upon forest products statistics of the Bureau of the Census, Department of Commerce.

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No. 661.—LUMBER: Reported Production, by Species, and Average Value

Note.—For 1889, 1914, 1921, 1923, 1925, and 1927 custom mills are excluded and beginning with 1910 for each year except 1919 mills cutting less than 50,000 board feet are excluded. Custom mills are much less important in recent years than formerly. Apart from the specific exclusions mentioned there are other variations in the completeness of the returns

[Quantities in millions of board feet; average mill values per 1,000 board feet]

Year (calendar)	Production			Average mill value	Year (calendar)	Production			Average mill value
	Total	Hardwood	Softwood			Total	Hardwood	Softwood	
1869	12,756			(1)	1918	31,890	6,223	25,667	$24.79
1879	18,091			(1)	1919	34,552	7,145	27,407	30.21
1889	23,842			$11.41	1920	33,799	6,989	26,810	38.42
1899	[2]35,078	8,634	26,146	11.13	1921	26,961	4,775	22,186	23.47
1909	44,510	10,613	33,897	15.38	1922	31,569	4,925	26,644	26.15
1910	40,018	8,857	31,161	15.30	1923	37,166	6,262	30,904	31.78
1911	37,003	8,101	28,902	15.05	1924	35,931	6,525	29,406	28.57
1912	39,158	8,632	30,526	15.35	1925	38,339	6,628	31,710	28.02
1913	38,387	8,084	30,303	(1)	1926	36,936	6,467	30,469	27.34
1914	37,346	7,939	29,407	(1)	1927	34,532	6,090	28,442	25.80
1915	37,012	7,527	29,485	14.04	1928	34,142	5,797	28,345	25.61
1916	39,807	8,475	31,332	15.32	1929	36,886	7,073	29,813	26.94
1917	35,831	6,657	29,174	20.32	1930	26,051	4,729	21,323	22.81

Species	Production by species								
	1899	1909	1919	1923	1925	1927	1928	1929	1930
Softwoods:									
Yellow pine	9,659	16,277	13,063	12,949	13,236	10,891	10,610	11,630	7,450
Douglas fir	1,737	4,856	5,902	8,223	8,154	8,443	8,449	8,689	6,453
White pine	7,742	3,900	1,724	1,572	1,521	1,344	1,367	1,248	1,109
Hemlock	3,421	3,051	1,755	1,873	2,140	2,071	2,222	2,099	1,517
Western yellow pine	945	1,500	1,755	2,805	3,127	2,799	2,976	3,288	2,594
Spruce	1,442	1,749	980	758	751	529	572	564	442
Cypress	496	956	656	819	903	610	501	532	491
Redwood	360	522	410	592	511	570	487	485	403
Cedar	233	346	332	365	372	306	267	309	238
Larch	51	421	388	351	307	288	250	245	174
White fir		89	223	330	337	280	292	307	207
Sugar pine	54	97	134	228	307	282	306	349	205
Balsam fir		109	68	19	20	16	19	37	8
Lodgepole pine		24	16	16	25	13	27	31	30
All other softwood	9			4					
Hardwoods:									
Oak	4,438	4,414	2,708	2,028	2,129	2,013	1,830	2,574	1,662
Maple	633	1,107	857	842	921	774	743	824	601
Gum, red and sap	285	707	851	1,016	1,101	1,101	968	1,004	694
Yellow poplar	1,115	858	329	353	376	335	328	436	258
Chestnut	207	664	546	350	308	264	260	268	151
Birch	133	452	375	351	412	327	337	374	284
Beech		511	359	191	181	154	146	187	138
Basswood	308	399	184	173	180	146	140	133	96
Elm	457	347	194	206	191	161	156	176	110
Cottonwood	415	266	144	158	142	104	144	165	158
Ash	269	291	155	149	179	137	130	152	116
Hickory	97	334	170	96	79	52	48	57	30
Tupelo		97	144	175	220	267	316	307	254
Walnut	39	46	39	49	70	65	57	72	36
Sycamore	30	57	28	25	24	29	38	58	26
All other hardwood	209	63	61	100	115	161	156	186	113

[1] Not available.
[2] Includes 298,000,000 board feet of lumber not reported by kinds of wood.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

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No. 662.—LUMBER: Reported Production by Regions and States

Note.—See headnote, Table 661

[In millions of board feet]

Region and State	1889	1899	1909	1919	1925	1927	1928	1929	1930
United States	**23,842**	**35,078**	**44,510**	**34,552**	**38,389**	**34,582**	**34,142**	**36,886**	**26,051**
Northeastern	**4,726**	**5,709**	**5,197**	**2,584**	**1,507**	**1,231**	**1,210**	**1,232**	**994**
Maine	597	785	1,112	596	330	264	267	258	222
New Hampshire	277	572	650	339	261	216	239	192	182
Vermont	384	376	352	218	126	91	107	120	94
Massachusetts	212	344	361	167	109	88	112	72	82
Connecticut	49	108	168	87	42	56	34	30	21
New York	925	878	681	358	198	142	130	160	110
New Jersey	34	74	62	37	10	5	3	15	12
Pennsylvania	2,133	2,333	1,463	630	331	278	239	314	209
Maryland	82	184	268	113	89	67	60	55	48
Rhode Island	8	19	25	11	4	7	5	6	7
Delaware	23	36	55	27	7	17	13	10	8
Central	**3,130**	**5,343**	**5,487**	**3,016**	**1,969**	**1,829**	**1,663**	**2,347**	**1,367**
Ohio	565	990	543	280	141	128	112	175	108
Indiana	755	1,037	556	282	179	148	127	170	98
Illinois	222	388	170	65	30	29	30	38	25
Missouri	402	724	660	321	187	189	142	228	127
West Virginia	302	778	1,473	763	583	542	548	633	406
Kentucky	423	775	861	512	207	198	174	339	189
Tennessee	460	951	1,224	792	642	595	530	764	414
Lake States	**8,251**	**8,750**	**5,476**	**2,692**	**2,445**	**1,794**	**1,803**	**1,771**	**1,326**
Michigan	4,300	3,018	1,890	876	797	578	572	571	467
Minnesota	1,084	2,342	1,562	700	579	397	412	357	222
Wisconsin	2,866	3,389	2,025	1,116	1,069	819	819	843	637
North Carolina Pine States	**1,129**	**2,712**	**5,177**	**3,374**	**2,730**	**2,408**	**2,390**	**2,979**	**2,018**
Virginia	416	959	2,102	1,098	709	536	547	709	495
North Carolina	515	1,287	2,178	1,654	1,041	1,055	1,021	1,202	815
South Carolina	199	466	898	622	980	817	822	1,068	707
Southern States	**3,718**	**8,404**	**14,796**	**12,704**	**14,418**	**12,068**	**11,588**	**12,484**	**8,140**
Georgia	575	1,312	1,342	894	1,365	1,201	1,039	1,386	753
Florida	412	790	1,202	1,137	1,064	907	995	1,137	876
Alabama	589	1,101	1,691	1,799	2,236	2,172	1,980	2,059	1,342
Mississippi	454	1,206	2,573	2,390	3,128	2,557	2,524	2,670	1,484
Arkansas	538	1,624	2,111	1,772	1,597	1,229	1,130	1,348	869
Louisiana	304	1,115	3,552	3,164	3,293	2,386	2,279	2,232	1,607
Texas	843	1,232	2,099	1,380	1,578	1,446	1,447	1,452	1,045
Oklahoma	3	22	226	168	157	170	194	200	163
Rocky Mountain States	**249**	**556**	**1,292**	**1,299**	**1,920**	**1,748**	**1,700**	**1,843**	**1,462**
Montana	90	256	308	287	389	396	388	389	297
Idaho	28	65	646	765	1,140	924	978	1,029	840
Arizona	5	36	63	74	146	169	158	175	95
New Mexico	26	31	92	87	152	173	162	148	143
Colorado	80	134	142	65	71	67	72	71	55
Utah	14	18	13	12	6	6	8	5	6
Wyoming	6	17	29	9	16	13	24	26	25
Pacific States	**2,028**	**[1] 2,902**	**6,906**	**8,798**	**[1] 13,287**	**[1] 13,390**	**[1] 13,620**	**[1] 14,149**	**[1] 10,670**
Washington	1,064	1,429	3,863	4,961	7,027	7,326	7,305	7,302	5,502
Oregon	446	735	1,899	2,577	4,217	3,993	4,372	4,784	3,654
California	518	737	1,144	1,259	[1] 2,043	[1] 2,071	[1] 1,953	[1] 2,063	[1] 1,514
All other [2]	**612**	**401**	**179**	**85**	**63**	**64**	**68**	**81**	**73**
Iowa	569	352	132	18	10				
PERCENTAGE DISTRIBUTION									
United States	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
Northeastern States	19.8	16.3	11.7	7.5	3.9	3.6	3.5	3.3	3.8
Central States	13.1	16.1	12.3	8.7	5.1	5.3	4.9	6.4	5.2
Lake States	34.6	24.9	12.3	7.8	6.4	5.2	5.3	4.8	5.1
North Carolina Pine States	4.7	7.7	11.6	9.8	7.1	7.0	7.0	8.1	7.7
Southern States	15.6	24.0	33.3	36.8	37.6	34.9	33.9	33.8	31.3
Rocky Mountain States	1.1	1.6	2.9	3.7	5.0	5.0	5.2	5.0	5.6
Pacific States	8.5	8.3	15.5	25.4	34.7	38.8	40.0	38.4	41.0
All other	2.6	1.1	.4	.4	.2	.2	.2	.2	.3

[1] Figures include Nevada.

[2] Includes, besides Iowa, the Plains States of Kansas and South Dakota, and in certain years small figures for the District of Columbia, Nebraska, and Nevada.

Sources: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

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No 663.—LUMBER: Average Mill Value per 1,000 Board Feet

Kind of wood	1899	1909	1919	1921	1923	1925	1926	1927	1928	1929	1930
All kinds [1]	$11.13	$15.38	$30.21	$23.47	$31.78	$28.02	$27.34	$25.90	$25.61	$26.94	$22.81
SOFTWOODS											
Balsam fir	(2)	13.99	32.23	25.71	27.62	26.65	25.64	25.92	25.40	25.49	26.72
Cedar	10.91	19.95	33.80	38.55	37.56	38.80	37.28	34.39	38.32	34.83	31.14
Cypress	13.32	20.46	38.38	36.88	44.61	40.90	43.33	39.91	36.18	35.29	33.10
Douglas fir	8.67	12.44	24.62	18.04	26.99	20.94	20.17	19.45	19.02	20.05	16.91
Hemlock	9.98	13.95	29.16	20.79	26.21	21.58	20.23	19.06	18.84	18.90	17.04
Larch (tamarack)	8.73	12.68	23.39	15.56	21.98	18.25	17.77	17.69	18.34	18.35	17.18
Lodgepole pine	(2)	16.25	29.98	21.81	21.76	20.22	19.98	20.82	19.29	17.97	17.64
Redwood	10.12	14.80	30.04	40.57	43.08	33.99	33.80	33.81	31.39	31.00	30.33
Spruce	11.27	16.91	30.76	25.73	31.44	27.98	27.27	26.59	26.50	28.64	23.66
Sugar pine	12.30	18.14	35.99	37.83	45.33	44.79	48.45	43.22	39.06	43.08	38.10
Western yellow pine	9.70	15.39	27.75	26.95	33.09	27.70	26.63	26.04	26.35	26.47	23.52
White fir	(2)	13.10	25.66	21.37	23.84	22.51	20.15	19.92	20.00	20.63	17.57
White pine	12.69	18.16	32.83	30.03	34.85	32.58	31.36	29.90	28.71	29.87	27.81
Yellow pine	8.46	12.69	28.71	19.42	29.82	26.46	26.54	23.77	24.62	25.66	21.06
HARDWOODS											
Ash	15.84	24.44	52.69	38.18	50.35	48.46	48.07	43.82	45.61	43.14	39.72
Basswood	12.84	19.50	40.03	33.09	45.60	39.76	37.07	39.84	39.72	39.88	35.31
Beech	(2)	13.25	29.98	26.99	30.22	29.21	27.84	27.71	28.63	28.39	25.89
Birch	12.50	16.95	35.79	31.53	43.33	41.68	40.80	41.03	40.30	39.35	36.39
Chestnut	13.37	16.12	32.30	27.87	29.75	30.37	29.54	29.35	31.09	29.51	23.91
Cottonwood	10.37	18.05	32.24	25.05	30.19	26.70	34.47	30.92	27.54	29.70	22.73
Elm	11.47	17.52	36.39	29.63	43.53	36.41	37.13	36.22	37.89	35.28	30.20
Gum, red and sap	9.63	13.20	32.68	22.46	32.35	31.39	33.73	31.82	31.91	34.42	27.67
Hickory	18.78	30.80	44.37	36.60	46.39	39.25	51.20	37.08	38.83	40.33	33.00
Maple	11.83	15.77	35.56	30.34	41.59	39.18	37.21	35.35	36.31	36.93	34.45
Oak	13.78	20.50	37.87	30.56	39.08	37.00	35.67	35.72	35.23	38.43	29.29
Sycamore	11.04	14.87	30.32	22.55	30.25	31.11	29.49	29.31	30.06	30.07	26.54
Tupelo	(2)	11.87	28.42	18.59	24.90	24.66	26.71	26.71	25.51	25.39	23.47
Walnut	36.49	43.79	72.13	88.83	109.38	111.53	113.57	111.64	112.54	119.15	100.75
Yellow poplar	14.03	25.39	41.65	37.31	51.29	43.44	38.63	38.58	40.90	41.66	35.19

[1] Including minor species.

[2] No data.

Sources: Bureau of the Census, Department of Commerce and Forest Service, Department of Agriculture.

No. 664.—VENEERS: Timber Consumed in Manufacturing Veneers

[In thousands of feet, log scale]

State	1923	1925	1927	1929	Kind of wood	1923	1925	1927	1929
Total	645,793	734,599	961,581	1,112,910	DOMESTIC				
Alabama	43,214	38,561	41,424	43,221	Basswood	8,771	9,413	11,885	13,920
Arkansas	64,117	58,122	57,611	63,363	Birch	43,936	51,490	51,331	47,715
Florida	49,016	29,999	77,321	96,199	Cottonwood	40,404	39,869	43,456	51,742
Illinois	13,722	11,967	11,414	15,821	Douglas fir	55,123	101,869	101,220	162,415
					Elm	9,570	8,503	16,945	19,459
Kentucky	25,020	23,309	24,193	21,437					
Louisiana	23,728	34,395	35,012	47,617	Maple	23,310	23,922	24,706	35,617
Mississippi	45,496	57,268	80,218	75,427	Red gum	220,703	237,465	250,247	285,035
New York	16,382	34,095	27,364	37,377	Tupelo	36,396	48,311	113,729	88,123
					Walnut	15,452	17,573	20,786	26,893
North Carolina	53,196	64,640	78,171	96,417	Oak	25,274	20,661	19,502	20,409
Oregon	26,369	29,793	32,091	55,644					
South Carolina	20,783	29,669	35,311	48,960	Yellow pine	65,100	45,818	92,153	119,785
Tennessee	30,983	40,454	25,586	24,710	Yellow poplar	45,376	50,770	56,899	71,989
					All other	58,373	65,201	141,134	152,142
Virginia	21,179	26,416	33,319	24,688					
Washington	53,510	112,484	140,319	181,826	IMPORTED				
Wisconsin	37,513	34,292	37,864	38,724					
All other	121,565	119,135	224,343	241,479	Mahogany	6,664	7,471	11,954	3,741
					Spanish cedar	2,714	5,149	4,829	3,917
					All other	961	1,114	785	10,008

Source: Bureau of the Census, Department of Commerce.

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No. 665.—LATH AND SHINGLES: PRODUCTION

[All figures in thousands of lath or shingles]

Year (calendar)	Lath	Shingles	Year (calendar)	Lath	Shingles
1899	2,523,998	12,102,017	1923	3,328,013	7,506,869
1909	3,703,195	14,907,371	1924	2,961,200	6,862,385
1915	2,745,134	8,459,378	1925	3,161,137	7,324,027
1918	1,362,187	5,690,182	1926	3,083,130	6,008,346
1919	1,724,078	9,192,704	1927	2,372,333	6,443,868
1920	1,952,983	6,156,416	1928	1,903,887	5,603,690
1921	1,970,696	6,843,187	1929	1,705,858	6,110,672
1922	2,940,714	8,131,242	1930	1,097,255	3,964,110

State	Lath				Shingles			
	1909	1919	1929	1930	1909	1919	1929	1930
Alabama	50,979	42,502	33,478	19,335	245,871	62,241	9,896	3,708
Arkansas	78,362	72,827	13,906	12,930	208,080	98,937	4,808	2,021
California	32,615	43,042	54,166	30,277	574,342	191,831	111,435	47,364
Florida	55,741	76,402	107,036	99,267	283,206	128,286	38,991	32,466
Georgia	58,704	19,718	12,457	1,017	443,260	114,806	24,973	7,103
Idaho	86,740	69,150	92,813	84,106	62,308	22,657	18,088	4,840
Louisiana	377,708	199,018	71,458	48,884	757,868	300,784	13,705	9,218
Maine	337,086	104,223	73,767	17,401	598,131	188,576	96,146	53,607
Michigan	218,308	51,469	17,520	8,350	891,649	144,173	35,999	28,318
Minnesota	478,008	115,741	56,653	22,846	74,818	4,451	50	----
Mississippi	90,926	96,204	87,937	47,371	151,303	34,002	11,158	4,169
Montana	35,430	21,362	17,002	14,483	525	253	20	125
North Carolina	70,724	19,079	8,206	1,388	280,942	92,139	24,241	14,568
Oregon	161,512	122,848	236,716	187,076	293,644	530,066	330,672	301,979
Texas	59,627	35,916	46,830	38,636	137,719	13,581	4,176	1,787
Virginia	127,555	27,073	8,497	8,793	39,172	1,637	33	82
Washington	451,384	339,058	568,819	351,154	8,879,467	7,095,122	5,333,374	3,407,776
West Virginia	150,820	22,005	77,501	26,987	6,829	120	----	----
Wisconsin	299,845	138,936	67,066	34,816	392,863	96,928	37,611	34,070
All other	481,121	107,505	54,030	42,138	585,374	72,114	15,296	10,909

No. 666.—COOPERAGE STOCK: PRODUCTION OF STAVES, HEADING, AND HOOPS

NOTE.—Production of wooden hoops in 1923 was 153,954,000; in 1925, 149,167,000; in 1927, 134,596,000; and in 1929, 133,054,000, nearly all elm

Year and kind of wood	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1909	379,231	2,029,548	20,691	140,234
1919	353,825	1,121,324	24,274	87,381
1921	255,047	893,621	20,505	66,747
1923	222,507	893,682	19,342	80,477
1925	240,023	937,597	23,052	71,371
1927	324,127	961,782	26,445	59,337
1929	357,353	1,039,450	30,329	72,591
1929				
Ash	4,305	63,880	389	(1)
Basswood	----	----	----	1,923
Beech	----	(1)	----	724
Birch	----	(1)	----	1,368
Cottonwood	----	41,351	----	2,248
Cypress	(1)	----	(1)	881
Douglas fir	79,989	35,109	4,113	2,315
Elm	(1)	88,398	----	----
Gum	27,252	314,890	1,790	5,073
Hemlock	(1)	8,466	146	(1)
Maple	(1)	(1)	----	1,783
Oak	145,643	10,626	20,750	(1)
Pine	20,776	354,520	1,742	46,677
Spruce	77,587	54,355	1,193	5,624
Tupelo	(1)	22,882	----	1,239
All other	1,801	44,973	206	2,736

State	Staves (thousands)		Heading (thousand sets)	
	Tight	Slack	Tight	Slack
1929				
Alabama	9,427	66,969	(1)	20,416
Arkansas	72,400	169,118	16,802	(1)
Florida	(1)	30,842	(1)	2,563
Georgia	9,329	18,815	420	9,277
Kentucky	10,335	2,470	(1)	(1)
Louisiana	20,990	75,236	(1)	(1)
Maine	----	9,875	(1)	1,780
Maryland	----	11,826	----	190
Minnesota	----	----	----	1,954
Mississippi	12,345	106,671	(1)	(1)
Missouri	13,949	52,634	(1)	(1)
New Hampshire	(1)	7,521	(1)	974
New York	(1)	----	----	246
North Carolina	(1)	74,032	----	3,848
South Carolina	(1)	----	----	6,595
Tennessee	24,030	27,903	3,316	(1)
Virginia	(1)	196,622	(1)	2,829
All other	184,548	188,916	9,791	21,919

[1] Included in "All other."

Sources of Tables 665 and 666: Bureau of the Census, Department of Commerce, and Forest Service, Department of Agriculture.

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No. 667.—PULPWOOD: Consumption by Mills, and Mill Cost

Note.—Figures include both domestic and imported wood. The cost is f. o. b. pulp mill

Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost		Year	Quantity, all species (cords)	Cost	
		Total (1,000 dollars)	Average per cord			Total (1,000 dollars)	Average per cord			Total (1,000 dollars)	Average per cord
1899	1,986,310	9,838	$4.95	1921	4,557,179	91,589	$20.10	1926	6,766,007	101,229	$14.96
1909	4,001,607	34,478	8.62	1922	5,548,842	89,895	16.20	1927	6,750,935	95,452	14.14
1914	4,470,763	39,408	8.81	1923	5,872,870	95,306	16.23	1928	7,160,100	97,024	13.55
1919	5,447,832	87,386	15.95	1924	5,768,082	92,672	16.07	1929	7,645,011	100,054	13.09
1920	6,114,072	116,496	19.65	1925	6,003,821	94,340	15.48	1930	7,195,524	88,684	12.32

Kind of wood	Total consumption (cords)				Consumption by processes,[1] 1930 (cords)				Average cost per cord, 1930
	1909	1919	1929	1930	Mechanical	Sulphite	Soda	Sulphate	
Total	**4,001,607**	**5,477,832**	**7,645,011**	**7,195,524**	**1,467,683**	**3,135,093**	**350,229**	**1,692,933**	**$12.32**
Spruce:									
Domestic	1,653,249	2,313,419	2,074,267	1,844,937	854,526	937,530	3,582	49,299	16.38
Imported	768,332	873,795	1,029,913	888,255	298,061	568,199	19,028	2,967	18.55
Hemlock:									
Domestic	559,657	795,154	1,309,170	1,222,961	146,154	843,599	1,357	231,851	9.71
Imported			15,379						
Yellow pine (southern)	90,885	234,463	1,036,272	1,030,273	9,892	32,103	79,957	908,321	7.29
Poplar:									
Domestic	302,876	180,160	329,466	291,897	32,704	14,415	244,403	375	13.71
Imported	25,622	158,220	157,829	159,092	965	300	157,827		16.13
Balsam fir:									
Domestic	95,366	288,814	317,552	330,548	61,067	210,899	3,754	54,828	12.44
Imported			45,412	48,935	6,090	39,845		3,000	16.21
Jack pine	[2]	51,581	195,577	200,970	12,371			188,599	10.92
Yellow poplar	[3]	72,605	129,697	107,795	610		107,185		10.41
White fir	37,176	31,138	111,054	90,652	25,484	63,685		1,483	6.97
Tamarack (larch)	[4]	44,042	51,835	40,054		979		39,075	12.26
Gum	[4]	30,355	39,685	41,825	500		38,475		11.18
Other wood	219,467	229,005	240,618	301,828	3,977	51,581	176,633	22,901	9.18
Slabs and mill waste	248,977	175,081	561,285	595,502	15,282	371,958	18,028	190,234	5.69

[1] In addition there were 49,586 cords of semichemical pulpwood consumed.
[2] Included in yellow pine. [3] Included in domestic poplar. [4] Included in "Other wood."

No. 668.—WOOD PULP: Total Production and by States and Processes

Note.—In 1930, 1,414,820 tons of mechanical pulp were not steamed and 145,401 tons steamed; of the other chemical pulp (sulphite, soda, and sulphate) 1,716,862 tons were unbleached and 1,273,944 bleached

Year	Tons[1]	Year	Tons[1]	Year	Tons[1]	Year	Tons[1]
1899	1,179,525	1919	3,517,952	1925	3,962,217	1928	4,510,800
1909	2,495,523	1921	2,875,601	1926	4,394,766	1929	4,862,885
1914	2,893,150	1923	3,788,672	1927	4,313,403	1930	4,630,308

State and process[1]	1909	1919	1923	1925	1927	1929	1930
Principal States:							
Maine	620,705	916,764	901,007	917,632	942,162	981,433	905,088
Louisiana		[2]	48,225	87,147	179,878	246,590	243,915
New York	679,534	811,958	760,199	770,777	710,227	662,988	596,219
Wisconsin	324,509	506,549	577,993	599,601	690,221	733,617	701,011
Pennsylvania	135,525	215,686	236,900	224,399	216,587	213,083	188,943
New Hampshire	212,599	232,134	188,323	217,489	200,324	212,774	138,332
Michigan	64,369	106,194	138,034	161,063	193,539	178,015	193,418
Minnesota	37,295	129,560	170,609	171,536	191,220	189,664	182,456
Washington	[2]	83,575	136,943	161,858	268,349	523,948	566,137
West Virginia	48,797	39,195	23,072	27,167	[2]	[2]	[2]
Vermont	59,356	85,945	70,840	46,597	32,562	26,307	25,047
Virginia	48,641	[2]	130,013	145,619	170,630	206,050	216,355
California and Oregon	83,692	123,990	162,653	160,736	200,869	256,546	248,592
Other States	180,501	266,402	243,561	270,596	316,135	431,870	424,785
Process:							
Mechanical	1,179,266	1,518,829	1,580,553	1,629,689	1,618,638	1,649,112	1,566,232
Sulphite	1,017,631	1,419,829	1,448,690	1,447,191	1,588,132	1,729,889	1,571,064
Soda	298,626	411,693	445,162	472,647	487,478	520,729	505,770
Sulphate		120,378	314,267	412,690	607,172	922,674	956,429
Semichemical					11,983	40,481	30,213

[1] Beginning 1914 includes screenings except data by process for 1919. [2] Not shown separately.
Sources of Tables 667 and 668: Bureau of the Census, Department of Commerce.

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No. 669.—PAPER AND PAPER BOARDS: CENSUS STATISTICS OF PRODUCTION

[Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars]

Product	Quantity					Value				
	1921	1923	1925	1927	1929	1921	1923	1925	1927	1929
Paper and paper boards, total	**5,431**	**8,029**	**9,182**	**10,002**	**11,140**	**585,735**	**812,509**	**862,589**	**872,207**	**903,301**
Standard newsprint, in rolls and sheets	1,237	1,521	1,563	1,517	1,409	114,315	110,865	106,083	98,782	80,707
Hanging	57	111	105	113	101	5,949	10,285	9,506	9,035	7,294
Poster, novel, newstablet, lining, catalogue, etc	35	55	84	183	262	4,174	4,960	7,096	15,573	21,314
Book [1]	792	1,208	1,328	1,329	1,498	122,930	169,286	175,525	160,869	168,272
Cover	16	21	24	26	28	4,112	4,974	5,086	5,938	6,430
Writing (fine)	231	377	474	509	608	61,314	89,098	105,474	105,148	113,224
Wrapping	827	1,184	1,292	1,525	1,606	103,259	141,532	143,587	162,580	163,442
Boards	1,740	2,793	3,287	2,774	4,451	104,346	182,867	192,942	211,264	227,742
Tissue	186	251	281	316	388	33,647	44,144	45,735	46,617	53,300
Absorbent	12	16	51	64	91	2,667	3,777	10,000	13,331	16,973
Building	217	345	[2] 582	[2] 626	[2] 659	12,842	23,529	[2] 45,692	[2] 40,062	[2] 39,376
All other	81	148	111	21	39	16,179	27,195	15,142	3,008	5,228

[1] Excludes plate, map, and woodcut paper and, prior to 1927, also lithograph paper.
[2] Not strictly comparable with earlier years due to a change in classification.
Source: Bureau of the Census, Department of Commerce.

No. 670.—TURPENTINE AND ROSIN PRODUCTION

Year [1]	Turpentine (gallons)			Rosin (barrels of 500 pounds)		
	Total	From gum	From wood	Total	From gum	From wood
1899	37,733,500	37,733,500	([2])	2,434,933	2,434,933	([2])
1904	31,129,236	30,687,051	442,185	1,964,674	1,964,674	([2])
1909	29,714,132	28,988,954	706,863	1,827,760	1,827,760	([2])
1914	27,648,939	26,980,981	575,557	1,649,160	1,615,643	29,022
1919	19,228,174	17,693,841	1,534,333	1,269,717	1,138,660	131,057
1921	24,820,620	24,378,854	441,766	1,690,971	1,661,624	29,347
1923	29,781,944	27,174,580	2,607,364	1,990,865	1,790,087	200,778
1924	29,333,450	26,072,200	3,261,250	2,018,296	1,720,765	297,531
1925	27,261,425	23,922,250	3,339,175	1,903,370	1,578,866	324,504
1926	29,483,055	[3] 25,500,000	[4] 3,983,055	2,105,480	[3] 1,740,000	[4] 365,480
1927	35,882,258	31,549,082	4,333,176	2,524,000	2,071,813	452,187
1928	31,894,800	[3] 28,000,000	[4] 3,894,800	2,296,654	[3] 1,865,000	[4] 431,654
1929	35,940,124	31,320,871	4,619,253	2,454,186	1,975,631	478,555
1930 [5]	34,193,691	29,938,466	4,255,225	2,425,125	1,986,208	438,917

Production from crude gum	Turpentine (gallons)				Rosin (barrels of 500 pounds)			
	1919	1927	1929	1930	1919	1927	1929	1930
Alabama	2,037,005	2,179,710	1,993,410	1,721,575	120,839	144,381	123,798	115,027
Florida	6,992,489	10,275,713	9,847,151	9,159,916	486,432	711,852	623,188	621,032
Georgia	3,997,310	15,060,761	15,938,491	15,465,216	234,690	953,923	1,002,446	1,013,461
Mississippi	1,749,812	1,879,418	1,267,776	1,062,323	115,984	117,688	81,683	65,899
Louisiana	1,885,231	1,357,929	1,032,900	1,192,484	112,900	93,601	70,580	80,202
Texas	906,404				60,179			
North Carolina and South Carolina	125,590	795,551	1,241,143	1,336,952	7,636	50,368	73,936	90,587

[1] The figures of turpentine and rosin from crude gum beginning with 1919 and from wood beginning with 1925 refer to the crop year ended Mar. 31 of the year following. All other figures relate to calendar years.
[2] Not reported.
[3] Estimated: Savannah Naval Stores Review, and Bureau of Chemistry, Department of Agriculture.
[4] Compiled by J. E. Lockwood, Hercules Powder Co., for 1926; by the Producers' Committee, J. E. Lockwood, secretary, for 1928.
[5] Compiled by the Bureau of Chemistry, Department of Agriculture.
Source: Bureau of the Census, Department of Commerce.

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30.—FISHERIES

No. 671.—QUANTITY AND VALUE OF THE PRODUCTS OF THE FISHERIES OF SPECIFIED SECTIONS

NEW ENGLAND STATES

Calendar year	Total		Maine		New Hampshire	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880		12,503.0		2,742.6		170.6
1889	653,170	10,560.6	129,560	2,111.2	4,365	88.5
1902	534,075	12,406.3	242,390	2,918.8	1,593	50.0
1908	530,029	15,139.0	173,843	3,257.0	677	53.0
1919	467,340	19,838.7	147,956	3,889.0	529	92.7
1924	406,822	18,818.1	116,707	4,137.0	447	56.0
1928	603,598	25,619.9	123,326	4,231.1	239	45.5
1929	694,286	29,072.5	162,939	4,897.2	378	52.1
1930	701,351	27,493.5	143,824	4,329.4	1,069	69.1

Calendar year	Massachusetts		Rhode Island		Connecticut	
1880		7,959.8		696.8		933.2
1889	299,218	5,858.3	127,365	935.1	39,750	1,557.5
1902	230,646	6,482.4	21,614	1,155.7	37,832	1,799.4
1908	244,313	7,095.0	44,254	1,752.0	66,942	2,982.0
1919	246,951	10,859.7	48,251	3,296.6	23,653	1,700.6
1924	243,363	10,799.6	20,535	1,818.9	25,770	2,006.7
1928	380,169	15,648.8	27,666	2,397.9	72,198	3,296.6
1929	447,689	18,052.5	28,401	2,435.3	54,879	3,635.4
1930	442,474	16,289.1	25,972	2,287.3	88,012	4,518.6

MIDDLE ATLANTIC STATES

Calendar year	Total		New York		New Jersey		Pennsylvania		Delaware	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	408,203	8,489.1	329,453	4,225.7	65,151	3,176.6	1,680	89.1	11,918	997.7
1890	299,104	8,645.1	192,471	4,602.2	88,730	3,447.4	7,849	328.2	10,054	267.3
1901	357,888	9,104.7	228,092	3,894.3	117,931	4,755.5	6,030	251.5	5,835	203.4
1908	221,450	8,280.0	71,474	4,390.0	74,827	3,069.0	4,380	280.0	70,769	541.0
1921	332,932	11,667.4	210,377	4,986.9	96,937	5,983.4	595	44.6	25,023	652.4
1926	168,012	12,456.3	60,721	5,128.7	73,299	6,254.3	735	43.3	33,258	1,030.0
1929	190,773	14,137.6	47,259	5,061.7	110,002	8,730.7	42	9.3	33,470	335.9
1930	193,868	13,063.7	45,495	4,933.7	97,275	7,474.4	17	2.8	51,081	652.8

CHESAPEAKE BAY STATES

Calendar year	Total		Maryland		Virginia	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	254,587	8,346.2	95,713	5,221.7	158,875	3,124.4
1890	329,188	9,655.5	143,906	6,019.2	185,283	3,636.4
1901	461,159	8,380.8	82,975	3,767.5	378,183	4,613.4
1908	426,311	8,022.0	113,796	3,306.0	312,515	4,716.0
1920	530,750	12,740.4	59,531	4,198.7	471,219	8,541.7
1925	333,206	13,948.1	56,978	4,863.4	276,228	9,084.6
1929	274,673	11,580.6	63,388	4,294.9	211,285	7,285.7
1930	316,393	11,472.0	71,099	3,984.7	245,294	7,487.3

SOUTH ATLANTIC STATES

Calendar year	Total		North Carolina		South Carolina		Georgia		Florida (east coast only)	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	42,952	1,256.6	32,249	845.7	6,143	212.5	2,272	120.0	2,287	78.4
1890	67,202	1,573.7	51,799	1,027.7	4,945	202.6	2,994	123.6	7,464	219.9
1902	106,446	2,839.6	67,585	1,739.7	8,174	263.0	11,103	359.1	19,584	477.9
1908	166,875	4,034.0	101,422	1,776.0	14,104	288.0	14,828	701.0	36,521	1,269.0
1918	332,614	5,348.6	210,502	2,978.7	3,747	207.7	37,154	416.0	81,211	1,746.2
1923	228,748	5,086.3	95,192	2,414.5	6,763	284.8	39,896	668.1	86,896	1,719.9
1927	260,669	5,695.9	144,466	2,777.4	8,374	350.4	47,607	697.2	60,222	1,870.9
1928	258,440	6,027.2	141,899	2,629.2	7,432	316.8	42,069	866.3	67,040	2,214.9
1929	340,874	5,952.5	217,595	2,544.0	6,135	275.1	43,514	877.2	73,630	2,256.2
1930	272,940	4,153.2	168,938	1,836.4	5,106	252.9	34,873	536.3	64,023	1,527.6

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No. 671.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

GULF STATES

Calendar year	Total		Florida (west coast only)		Alabama	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	23,561	1,227.5	8,376	564.8	3,542	119.3
1890	69,076	2,438.7	27,419	1,064.1	4,777	154.9
1902	113,697	3,494.2	48,120	1,462.2	9,351	266.7
1908	118,274	4,860.0	37,566	2,120.0	10,665	387.0
1918	130,924	6,510.3	54,754	3,420.4	5,609	230.6
1923	160,324	8,096.7	73,266	4,026.2	7,631	341.6
1927	195,705	9,965.8	73,835	4,351.4	10,076	437.2
1928	191,007	9,866.3	61,121	3,866.5	14,466	586.8
1929	194,521	8,951.2	72,323	3,863.7	9,025	410.3
1930	144,820	6,911.6	56,392	3,118.1	7,113	315.5

Calendar year	Mississippi		Louisiana		Texas	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1880	788	22.5	6,996	392.6	3,859	128.3
1890	8,131	215.7	20,789	660.1	7,959	313.8
1902	23,427	553.2	24,754	858.3	8,044	353.8
1908	17,302	459.0	42,302	1,448.0	10,439	446.0
1918	20,592	762.8	24,954	1,419.4	25,015	677.2
1923	25,032	985.7	34,835	1,961.1	19,560	782.0
1927	34,503	1,259.4	56,208	2,863.5	21,083	1,054.3
1928	30,701	1,060.1	69,507	3,477.9	15,212	875.0
1929	34,629	1,005.3	61,920	2,764.6	16,624	907.3
1930	15,736	740.1	49,886	1,960.4	15,693	777.5

PACIFIC COAST STATES

Calendar year	Total		Washington		Oregon		California	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1888	71,883	2,993.1	23,400	890.9	25,169	1,010.8	23,313	1,091.4
1899	219,338	6,316.2	121,630	2,884.9	23,246	862.9	74,462	2,568.4
1908	176,150	6,839.0	100,456	3,513.0	28,217	1,356.0	47,477	1,970.0
1915	286,205	9,300.7	158,983	5,317.1	34,708	1,495.5	92,513	2,488.1
1922	282,968	12,983.6	69,470	4,953.9	22,372	1,255.7	191,127	6,774.0
1923	404,949	19,042.1	111,262	7,800.7	32,883	3,504.4	260,805	7,737.1
1924	477,515	20,416.5	93,042	7,487.7	39,578	3,203.6	344,895	9,725.1
1925	624,022	25,510.4	143,714	10,406.3	40,007	3,442.4	440,301	11,661.7
1926	521,286	18,914.7	89,637	7,942.3	32,998	3,068.0	398,651	7,904.3
1927	651,197	22,306.6	125,655	9,145.4	34,195	3,102.9	491,347	10,058.3
1928	693,484	20,512.8	82,874	7,500.8	27,474	2,686.3	583,136	10,325.7
1929	1,034,434	25,038.4	152,224	9,562.7	25,284	2,605.2	856,926	12,870.5
1930	833,389	23,064.1	110,039	8,334.8	26,459	2,256.3	696,891	12,473.0

GREAT LAKES

Calendar year	Total [1]		Lake Superior		Lake Michigan		Lake Huron		Lake Erie	
	1,000 pounds	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*	*1,000 pounds*	*1,000 dollars*
1885	99,842	2,691.9	8,826	291.5	23,518	878.8	11,457	276.4	51,457	1,109.1
1890	113,899	2,471.8	6,116	221.0	26,434	830.5	10,056	221.1	64,851	1,000.9
1899	113,727	2,611.4	5,430	150.9	34,500	876.7	12,418	308.1	58,394	1,150.9
1908	106,651	3,768.0	10,198	342.0	40,019	1,554.0	12,932	486.0	41,922	1,280.0
1917	103,759	6,298.0	15,447	726.7	35,461	2,270.9	13,363	857.5	38,300	2,330.2
1922	108,732	6,689.6	10,988	484.3	26,128	2,133.8	13,942	945.3	56,338	2,977.1
1926 [2]	72,908	6,444.6	13,436	760.5	20,495	2,077.6	13,132	1,261.0	25,057	2,246.5
1927 [2]	79,188	6,614.8	15,302	918.1	23,681	2,354.8	15,711	1,444.4	23,796	1,831.3
1928 [2]	63,368	5,960.8	13,132	772.7	17,999	2,332.5	9,943	1,024.0	19,643	1,573.9
1929 [2]	85,389	6,787.7	17,148	835.2	35,616	3,460.9	10,477	927.5	18,648	1,268.1
1930 [2]	94,948	6,050.3	14,694	695.3	30,973	2,159.0	16,377	1,319.9	29,540	1,655.5

[1] Includes small amounts for Lake Ontario, Lake-of-the-Woods, Namakan Lake, Rainy Lake, Lake St. Clair, and St. Clair and Detroit Rivers not shown separately.
[2] Data collected for the most part by State fishery agencies and compiled by the Bureau of Fisheries.

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No. 671.—Quantity and Value of the Products of the Fisheries of Specified Sections—Continued

MISSISSIPPI RIVER AND TRIBUTARIES

	Total		Tributary	1922	
	1,000 pounds	*1,000 dollars*		*1,000 pounds*	*1,000 dollars*
1894	44,545	1,384.6	Arkansas River	2,034	136.3
1899	96,797	1,781.0	Atchafalaya River [4]	4,579	254.7
1903	93,374	1,841.2	Cumberland River	728	14.7
1908	148,284	3,125.0	Illinois River [5]	12,661	617.3
1922	105,734	4,503.5	Missouri River [5]	1,232	105.2
	Mississippi River [3]		Ohio River [5]	7,458	379.1
			Red River [5]	6,677	324.5
			St. Francis River [5]	3,684	108.9
			Tennessee River [5]	4,990	98.3
			Wabash River [5]	12,063	357.8
1894	21,242	587.8	White River (Missouri and Arkansas) [5]	14,662	405.9
1899	68,604	823.0	Yazoo River	1,022	55.6
1903	53,851	1,157.4			
1922	33,945	1,645.3			

[3] Including minor tributaries.
[4] Not included with Mississippi River and tributaries, 1899 to 1908.
[5] Including tributaries.

No. 672.—SUMMARY OF THE FISHERIES OF THE UNITED STATES AND ALASKA, 1930 [1]

Section	Fishermen	Fishing vessels	Fishing boats	Persons on transporters	Transporting vessels	Products	
						Quantity	Value
	Number	*Number*	*Number*	*Number*	*Number*	*1,000 pounds*	*1,000 dollars*
Total	**119,716**	**4,374**	**73,398**	**4,501**	**1,419**	**3,286,580**	**109,349**
New England States	17,077	718	8,787	364	150	701,351	27,493
Middle Atlantic States	10,605	575	4,050	218	35	193,868	13,064
Chesapeake Bay States	19,391	391	13,820	855	428	316,393	11,472
South Atlantic and Gulf States	23,590	670	14,515	786	185	417,759	11,065
Pacific Coast States	19,574	863	7,556	249	99	833,388	23,064
Lake States	6,980	467	3,879	76	22	94,948	6,060
Mississippi River States [2]	12,310	.....	15,538	27	13	108,171	4,385
Alaska	10,189	690	5,253	1,926	487	620,702	12,756

[1] All figures are for 1930 except for the Mississippi River States. See note 2.
[2] Figures for catch of mussels are for 1930; for operating units and catch of other products, for 1922.

No. 673.—FISHERY PRODUCTS LANDED AT SEATTLE, WASH., BY UNITED STATES VESSELS AND FISH RECEIVED BY SEATTLE WHOLESALE DEALERS

Species	Quantity in thousands of pounds				Value in dollars			
	1928	1929	1930	1931	1928	1929	1930	1931
Grand total	**33,773**	**39,671**	**38,850**	**40,746**	**3,147,362**	**4,029,074**	**3,462,304**	**2,308,024**
Landed by U. S. vessels [1]	**17,547**	**16,257**	**16,562**	**17,208**	**1,755,959**	**1,986,468**	**1,703,083**	**1,172,314**
Halibut	13,734	12,359	12,618	15,214	1,594,573	1,791,767	1,529,103	1,107,266
Sablefish	2,252	2,251	2,659	1,299	105,486	137,892	121,701	45,134
Lingcod	957	1,070	747	406	33,173	41,351	30,829	12,080
Rockfishes	575	577	538	289	21,292	25,448	21,450	7,834
Sturgeon	29	.....	.....	.....	1,435	.....	.....	.....
Received by wholesale dealers [2]	**16,226**	**23,414**	**22,288**	**23,538**	**1,391,403**	**2,032,606**	**1,759,221**	**1,135,710**
Salmon—								
Humpback or pink	223	3,204	9	4,683	7,056	141,638	236	61,624
Chum or keta	2,439	5,001	4,662	3,234	122,605	251,000	69,214	53,021
King or spring	7,066	8,174	9,582	8,900	860,049	1,071,023	1,158,328	683,140
Coho or silver	3,578	4,604	4,631	4,452	298,662	420,660	344,629	220,606
Sockeye or red	102	133	90	46	11,190	19,650	10,753	4,064
Trout, steelhead	135	89	86	136	13,980	12,711	12,080	12,751
Smelt	219	142	497	269	26,225	20,003	28,385	11,741
Sole	310	287	325	389	10,376	14,020	12,433	11,681
Crabs	273	608	1,389	948	19,450	41,105	98,638	60,153
Miscellaneous	1,881	1,172	1,017	481	21,810	40,796	24,525	16,929

[1] Halibut fleet. [2] Does not include fish received from Alaska or Canada.

Source of Tables 671, 672, and 673: Bureau of Fisheries, Department of Commerce.

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No. 674.—FISHERIES: PRODUCTS LANDED AT BOSTON AND GLOUCESTER, MASS., AND PORTLAND, ME., BY FISHING VESSELS

Port and calendar year	Total, all species	Cod	Haddock	Hake	Pollock	Cusk	Halibut	Mackerel	Miscellaneous
	Quantity in thousands of pounds								
All three ports:									
1920	178,281	62,266	75,279	4,721	8,561	1,855	3,789	7,294	14,516
1921	150,865	53,515	67,413	4,536	6,945	2,098	5,666	3,384	7,308
1922	159,875	55,180	70,196	5,374	5,097	2,247	5,624	4,727	11,430
1923	174,941	62,655	73,762	6,338	4,804	2,998	4,875	11,565	7,945
1924	182,948	61,449	79,902	7,285	5,085	3,406	4,422	9,758	11,643
1925	216,869	67,250	91,886	5,806	5,290	3,713	3,561	26,210	13,153
1926	238,426	78,219	94,061	5,505	6,740	2,728	3,431	36,233	11,511
1927	263,850	63,355	128,593	5,862	7,663	2,727	4,779	31,530	19,341
1928	277,982	59,302	155,331	8,423	8,040	2,358	3,385	24,253	16,890
1929	327,096	50,647	187,204	12,051	10,565	3,483	2,696	37,743	22,707
1930	350,801	66,616	189,371	15,618	13,380	4,433	2,581	33,513	24,689
1931	263,685	60,645	132,846	7,755	7,631	4,265	2,571	29,524	18,448
Boston:									
1929	255,722	38,879	160,699	10,167	4,453	2,703	2,521	21,264	15,036
1930	285,257	52,399	167,098	12,696	4,671	3,412	2,510	23,682	18,789
1931	219,945	49,920	120,287	5,904	5,028	3,447	2,310	19,858	13,191
Gloucester:									
1929	53,880	9,774	18,864	578	5,161	224	47	14,480	4,752
1930	47,359	11,501	13,457	1,635	8,379	393	25	9,102	2,867
1931	24,850	6,815	5,056	602	1,398	146	56	7,351	3,426
Portland:									
1929	17,494	1,993	7,640	1,307	951	556	128	2,000	2,919
1930	18,185	2,716	8,816	1,287	930	629	46	728	3,033
1931	18,890	3,910	7,503	1,249	1,205	672	205	2,315	1,831
	Value in thousands and tenths of thousands of dollars								
All three ports:									
1920	8,227.0	2,637.6	2,740.1	153.9	262.1	48.1	741.8	763.1	880.3
1921	5,722.6	1,730.8	2,046.2	109.6	164.6	37.8	803.1	335.6	494.9
1922	5,465.9	1,635.3	1,809.4	111.3	118.0	34.6	784.1	276.0	696.8
1923	7,051.2	2,184.1	2,423.2	142.4	152.2	61.7	922.7	487.0	677.3
1924	6,993.0	2,138.3	2,308.6	186.1	159.4	68.1	789.6	541.0	801.0
1925	8,115.6	2,321.2	2,747.7	173.7	147.6	84.6	655.2	1,191.0	794.4
1926	9,057.7	2,647.5	3,082.9	146.2	153.7	69.6	671.2	1,406.0	880.1
1927	9,404.5	2,146.5	3,331.7	156.5	171.8	71.4	839.9	1,295.0	1,191.0
1928	10,849.1	2,198.7	5,036.5	221.7	174.4	62.7	609.0	1,355.9	1,190.2
1929	13,051.7	1,983.5	6,845.3	405.1	243.5	102.9	484.5	1,382.4	1,604.5
1930	12,785.5	2,208.1	6,645.8	394.9	263.8	113.2	443.0	1,157.6	1,559.1
1931	9,249.3	1,758.4	4,434.4	178.0	113.7	83.2	375.9	1,225.7	1,080.0
Boston:									
1929	10,736.6	1,508.5	6,016.2	351.1	122.1	81.4	459.8	912.0	1,285.5
1930	10,870.6	1,686.7	5,994.7	338.4	106.9	90.1	432.3	872.7	1,348.8
1931	7,906.5	1,418.5	4,081.2	143.9	83.7	68.3	341.7	889.8	879.4
Gloucester:									
1929	1,708.6	386.2	586.8	15.7	104.0	3.7	3.9	417.5	190.8
1930	1,348.1	424.8	372.6	29.7	141.7	6.4	3.7	256.9	112.3
1931	775.8	207.2	136.6	11.6	19.3	1.7	5.7	275.7	118.0
Portland:									
1929	606.5	88.8	242.3	38.3	17.4	17.8	20.8	52.9	128.2
1930	566.8	86.6	278.5	26.8	15.2	16.7	7.0	28.0	98.0
1931	567.0	132.7	216.6	22.5	10.7	13.2	28.5	60.2	82.6

No. 675.—CANNED FISHERY PRODUCTS AND BY-PRODUCTS OF THE UNITED STATES AND ALASKA: VALUE

NOTE.—**Values in thousands of dollars.** See also census statistics of fish canning, Tables 651 and 754

Product	1924	1925	1926	1927	1928	1929	1930	1931
Total values	**82,458**	**95,177**	**98,326**	**94,177**	**110,753**	**124,833**	**106,579**	**79,514**
Salmon	42,402	47,370	56,219	45,729	54,638	56,086	42,835	38,083
California sardines	5,446	6,381	7,807	9,269	9,659	11,997	8,742	4,715
Maine and Massachusetts sardines	7,191	6,717	6,727	5,249	8,076	6,898	4,459	2,647
Tuna and tunalike fishes	5,757	8,499	5,282	8,368	8,374	9,873	13,056	7,279
Shrimps and crabs	4,645	3,835	4,147	5,348	5,559	5,559	5,017	3,995
Clams	2,161	1,850	2,005	2,745	2,624	2,548	2,666	2,257
Oysters	2,478	3,721	2,027	2,368	2,761	2,732	1,837	964
Miscellaneous canned products	2,085	2,204	1,978	2,308	4,514	5,372	4,246	3,009
Menhaden—meal, scrap, and oil	3,310	5,623	3,442	3,690	3,440	3,630	2,674	1,140
Miscellaneous by-products	6,983	8,978	8,691	9,103	11,441	20,138	21,047	15,425

Source of Tables 674 and 675: Bureau of Fisheries, Department of Commerce.

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No. 676.—CANNED SALMON OUTPUT, UNITED STATES AND ALASKA

[Quantity in thousands and tenths of thousands of 48-pound cases, value in thousands and tenths of thousands of dollars]

Specie	Quantity				Value			
	Total	Washington	Oregon and California	Alaska	Total	Washington	Oregon and California	Alaska
Total, all species:								
1924	6,253.6	542.0	416.7	5,294.9	42,401.6	5,062.1	4,332.4	33,007.1
1925	6,018.6	1,132.5	426.2	4,459.9	47,369.5	10,079.5	5,300.4	31,989.5
1926	7,488.6	489.6	346.2	6,652.9	56,219.3	5,428.3	4,711.0	46,080.0
1927	5,076.6	1,091.0	413.5	3,572.1	45,728.8	10,158.2	5,554.3	30,016.3
1928	6,926.8	497.4	345.5	6,083.9	54,638.1	5,024.0	4,230.2	45,383.9
1929	6,990.7	1,278.5	342.1	5,370.1	56,085.7	10,922.4	4,693.9	40,469.4
1930	6,086.4	708.7	345.2	5,032.5	42,835.9	8,364.4	4,775.6	29,695.9
1931	6,740.0	1,068.7	267.5	5,403.8	38,083.2	6,134.1	2,852.2	29,096.9
Coho or silver:								
1929	370.7	113.8	85.0	171.9	3,343.5	1,088.7	950.3	1,304.5
1930	580.8	141.5	106.9	332.4	5,178.4	1,294.4	1,138.9	2,745.1
1931	284.4	85.0	29.5	169.9	2,022.1	657.6	257.9	1,106.6
Chum or keta:								
1929	1,126.6	208.8	53.3	864.5	6,039.8	1,123.7	294.8	4,621.3
1930	672.7	64.2	8.6	599.9	2,427.2	235.3	29.6	2,162.3
1931	612.7	67.4	11.5	533.8	1,948.8	213.5	34.6	1,700.7
Humpback or pink:								
1929	3,299.4	727.7	-------	2,571.7	20,455.0	4,876.6	-------	15,579.4
1930	3,207.8	19.2	-------	3,188.6	13,369.0	80.6	-------	13,288.4
1931	3,659.3	705.5	-------	2,953.8	12,700.5	2,485.0	-------	10,215.5
King, chinook, or spring:								
1929	351.9	96.7	183.1	72.1	5,601.0	1,607.7	3,133.5	859.8
1930	373.3	101.1	212.3	59.9	5,690.2	1,592.8	3,299.2	798.2
1931	381.0	112.4	216.7	51.9	4,210.1	1,297.1	2,425.6	487.4
Red or sockeye:								
1929	1,819.1	123.0	6.2	1,689.9	20,315.0	2,099.1	111.5	18,104.4
1930	1,233.7	376.3	5.9	851.5	15,899.8	5,074.4	124.4	10,701.0
1931	1,790.2	93.7	2.2	1,694.3	17,045.6	1,423.6	35.9	15,586.1
Steelhead:								
1929	23.0	8.5	14.5	-------	330.4	126.6	203.8	-------
1930	18.1	6.4	11.5	0.2	271.3	86.9	183.5	0.9
1931	12.4	4.7	7.6	.1	156.1	57.3	98.2	.6

Source: Bureau of Fisheries, Department of Commerce.

No. 677.—ALASKA FISHERY INDUSTRIES: SUMMARY OF PRODUCTS

Product	Unit	Quantity in thousands of unit specified					Value in thousands of dollars				
		1915	1920	1925	1930	1931	1915	1920	1925	1930	1931
Total		-------	-------	-------	-------	-------	21,006	41,492	40,039	37,679	33,595
Salmon:											
Canned	Case	4,500	4,429	4,460	5,032	5,404	18,653	35,603	31,990	23,695	29,096
Fresh and frozen	Pound	3,137	5,165	5,193	7,909	6,956	219	424	395	673	468
Cured, all forms	do	4,929	3,067	6,895	6,979	5,755	341	510	1,297	1,096	818
By-products	do	1,922	2,071	1,738	2,703	1,998	40	105	60	62	41
Halibut, fresh and frozen	do	15,718	15,295	10,972	31,557	20,426	812	1,727	884	2,991	1,353
Herring:											
Fresh and frozen	do	-------	-------	-------	79	237	-------	-------	-------	4	10
Cured for food	do	7,195	8,582	35,171	8,765	8,339	114	542	2,323	496	492
Bait	do	-------	4,085	7,087	9,298	7,608	-------	41	39	103	77
By-products	do	2,213	11,186	34,806	50,902	31,968	41	720	1,490	1,531	649
Cod	do	14,196	12,764	2,854	322	415	390	1,117	129	17	24
Sablefish	do	143	584	1,043	449	279	4	29	45	21	13
Other fish	do	148	110	142	484	387	10	14	10	26	15
Shrimps	do	-------	112	520	514	460	-------	49	207	211	184
Crabs	do	14	8	206	107	121	1	2	53	35	42
Clams	do	-------	222	2,066	853	1,108	-------	47	492	242	313
Whales:											
Oil	do	7,337	8,317	7,224	7,034	-------	333	436	556	417	-------
Fertilizer	do	2,990	3,190	2,444	2,340	-------	48	120	57	51	-------
Allother	do	-------	18	797	43	-------	-------	6	12	2	-------

Source: Bureau of Fisheries, Department of Commerce.

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No. 678.—CANNED SALMON: Output and Prices of Alaska Product

Yearly average or year	Total value of pack (thousands of dollars)	Output, equivalent in thousands of cases of forty-eight 1-pound cans						Average price in dollars per case of forty-eight 1-pound cans				
		Total	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye	Coho or silver	Chum or keta	Humpback or pink	King or spring	Red or sockeye
1911–1915	16,398	3,835	131	485	1,304	52	1,863	4.43	2.85	3.07	5.11	5.54
1916	23,269	4,901	261	724	1,738	66	2,111	5.34	3.34	3.64	5.36	6.04
1917	46,304	5,947	193	907	2,297	62	2,488	8.76	6.14	6.44	10.40	9.48
1918	51,042	6,606	219	1,365	2,439	49	2,534	9.15	6.27	6.58	9.85	9.44
1919	43,265	4,584	233	1,366	1,612	96	1,278	11.27	6.82	8.35	13.13	12 98
1920	35,603	4,429	192	1,034	1,593	110	1,501	9.13	4.19	5.47	10.97	13.05
1921	19,633	2,597	107	255	424	45	1,766	5.63	3.68	4.21	10.22	8.96
1922	29,787	4,502	176	566	1,658	31	2,071	5.47	3.98	4.34	8.08	9.24
1923	32,873	5,036	164	526	2,448	38	1,859	5.74	4.65	4.86	8.56	9.24
1924	33,007	5,295	184	1,028	2,601	34	1,448	6.83	4.68	4.93	8.89	9.53
1925	31,990	4,460	161	1,079	2,111	50	1,060	9.72	4.44	5.28	11.91	13.12
1926	46,060	6,653	203	902	3,338	52	2,157	8.40	5.01	5.39	10.37	9.89
1927	30,016	3,572	253	508	1,421	70	1,320	8.51	5.47	5.87	11.25	12.08
1928	45,384	6,084	299	996	2,787	54	1,948	7.12	6.06	6.56	11.13	9.41
1929	40,469	5,370	172	864	2,572	72	1,690	7.59	5.35	6.06	11.92	10.71
1930	29,695	5,032	332	600	3,189	60	851	8.26	3.60	4.17	13.32	12.57
1931	29,096	5,404	170	534	2,954	52	1,694	6.51	3.19	3.46	9.40	9.20

No. 679.—FISH PROPAGATION: Output of Fish Eggs, Fry, and Fingerlings, by United States Bureau of Fisheries, Years Ended June 30

[All quantities expressed in thousands]

Year	Total	Eggs	Fry	Fingerlings	Cost per million [1]
1895	619,916	55,408	561,894	2,613	$292.64
1900	1,164,337	88,682	1,070,757	4,898	250.00
1915	4,288,758	536,260	3,694,282	58,216	131.55
1920	4,770,356	630,749	3,872,218	267,388	130.11
1923	4,314,850	1,463,730	2,586,812	264,316	143.30
1924	5,361,811	1,237,582	3,863,848	260,381	115.25
1925	5,301,862	1,050,393	4,114,514	136,954	135.61
1926	5,232,240	737,135	4,195,939	299,166	142.50
1927	6,481,073	1,523,458	4,767,113	190,502	116.30
1928	7,036,317	2,253,244	4,521,439	261,634	119.37
1929	7,060,369	2,861,236	4,062,948	136,185	125.55
1930	7,570,482	2,553,481	4,766,831	250,170	120.50
1931	7,121,805	2,327,421	4,474,344	320,040	138.41

Species	1931			Species	1931		
	Eggs	Fry	Fingerlings		Eggs	Fry	Fingerlings
Catfish			84,521	Grayling	1,000		3
Buffalofish	92,340	11,044	12,104	Pike and pickerel		3,113	813
Common sucker	7,375			Mackerel	1,611	8,850	
Carp	112,995		25,028	Crappie			28,548
Shad		19,490		Largemouth black bass		1,036	2,406
Glut herring		50,000		Smallmouth black bass		729	103
Whitefish	10,960	146,455		Rock bass			57
Cisco		63,400					
Chinook salmon	15,694	3,833	57,308				
Chum salmon		17,475	411	Warmouth bass			37
Silver salmon	226	6,909	1,636	Sunfish			12,652
Sockeye salmon	3,576	14,623	32,860	Pike perch	30,990	164,363	
Humpback salmon	16,263	1,312	1,145	Yellow perch		113,250	2,048
Steelhead salmon	926	42	1,508	Striped bass		9,500	
				White bass			52
Atlantic salmon	3,025		943	Rio Grande perch			48
Landlocked salmon	30	38	640				
Rainbow trout	5,150		8,238	Fresh-water drum			14
Golden trout			25	Cod	1,331,632	193,666	
Black-spotted trout	6,268	46	9,780	Haddock	412,477	34,951	
Loch Leven trout	8,995	2,748	4,959	Pollock		240,219	
Lake trout	840	24,445	443	Winter flounder	263,652	3,341,016	
Brook trout	1,396	1,701	13,109	Miscellaneous fishes			18,590

[1] Includes all expenditures chargeable to fish culture and distribution and salaries of all employees in the fish-cultural field services and the administrative and clerical force in Washington, D. C.

Sources of Tables 678 and 679: Bureau of Fisheries, Department of Commerce.

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31.—MINING AND MINERAL PRODUCTS

[Data in this section cover the following areas unless otherwise indicated: Bureau of Census and American Iron and Steel Institute statistics, continental United States; Bureau of Mines production statistics, continental United States, and, for leading products, outlying areas; foreign trade statistics, United States customs area, which includes Alaska, Hawaii, and Puerto Rico. Index numbers of mineral production are shown in Table 757, p. 766]

No. 680.—TOTAL VALUE OF MINERAL PRODUCTS OF THE UNITED STATES

NOTE.—All figures in millions of dollars. See general note above

Yearly average or year	Total	Metallic	Nonmetallic	Unspecified	Year	Total	Metallic	Nonmetallic	Unspecified
1881–1885	426	191	229	6	1914	2,111	687	1,424	(1)
1886–1890	541	248	292	1	1915	2,395	992	1,400	2
1891–1895	592	244	347	1	1916	3,508	1,621	1,884	3
1896–1900	828	366	461	1	1917	4,992	2,086	2,900	6
1901–1905	1,392	578	813	1	1918	5,541	2,153	3,381	7
1906–1910	1,887	769	1,118	(1)	1919	4,596	1,360	3,233	3
1911–1915	2,220	820	1,399	1	1920	6,981	1,762	5,214	5
1916–1920	5,124	1,796	3,322	5	1921	4,139	654	3,482	3
1921–1925	5,155	1,153	3,998	5	1922	4,647	987	3,656	4
1926–1930	5,556	1,273	4,275	9	1923	5,987	1,511	4,472	4
1905	1,624	703	921	(1)	1924	5,306	1,232	4,068	6
1906	1,901	886	1,015	(1)	1925	5,678	1,380	4,291	6
1907	2,070	904	1,165	(1)	1926	6,214	1,403	4,803	8
1908	1,592	551	1,041	(1)	1927	5,530	1,218	4,304	8
1909	1,887	755	1,132	(1)	1928	5,385	1,284	4,092	9
1910	1,988	750	1,238	(1)	1929	5,887	1,476	4,401	10
1911	1,924	681	1,243	(1)	1930	4,765	983	3,773	9
1912	2,238	862	1,375	(1)	1931	3,180	567	2,606	7
1913	2,434	879	1,554	(1)					

[1] Less than $500,000.

Source: Bureau of Mines, Department of Commerce.

No. 681.—YEARLY AVERAGE PRICES OF NONFERROUS METALS

[Prices are cents per pound, except quicksilver (dollars per flask[1]) and platinum (dollars per ounce)]

Year	Copper, electrolytic (New York)	Lead (New York)	Tin [2] (New York)	Zinc (St. Louis)	Aluminum (New York)	Antimony (New York)	Quicksilver (New York)	Platinum (New York)
1896–1900	[3] 13.41	3.84	19.54	[4] 4.55	37.15	8.204	42.17	[5] 16.66
1901–1905	13.877	4.330	28.194	[6] 5.284	33.80	7.398	43.17	19.55
1906	19.278	5.657	39.819	6.048	35.75	21.730	40.90	28.04
1907	20.004	5.325	38.166	5.812	45.00	14.840	41.50	30.98
1908	13.208	4.200	29.465	4.578	28.70	8.004	44.84	16.32
1909	12.982	4.273	29.725	5.352	23.18	7.466	46.30	24.87
1910	12.738	4.446	34.123	5.370	22.97	7.386	47.06	32.70
1911	12.376	4.420	42.281	5.608	20.34	7.540	46.54	43.12
1912	16.341	4.471	46.096	6.799	22.52	7.760	42.46	45.55
1913	15.269	4.370	44.252	5.504	23.63	7.520	39.54	44.88
1914	13.602	3.862	34.301	5.061	18.60	8.763	48.31	45.14
1915	17.275	4.673	38.590	13.054	34.13	30.280	87.01	47.13
1916	27.202	6.858	43.480	12.634	60.73	25.370	125.49	83.40
1917	27.180	8.787	61.802	8.730	51.25	20.690	106.30	102.82
1918	[7] 24.628	7.413	[8]	7.890	33.60	12.581	123.47	105.95
1919	18.691	5.759	63.328	6.988	32.14	8.190	92.15	114.61
1920	17.456	7.957	49.101	7.671	30.61	8.485	81.12	110.90
1921	12.502	4.545	29.916	4.655	21.21	4.957	45.46	75.03
1922	13.382	5.734	32.554	5.716	18.68	5.471	58.95	97.62
1923	14.421	7.267	42.664	6.607	25.41	7.897	66.50	116.54
1924	13.024	8.097	50.176	6.344	27.03	10.836	69.76	118.82
1925	14.042	9.020	57.893	7.622	27.19	17.494	83.13	119.09
1926	13.795	8.417	65.285	7.337	26.99	15.988	91.90	113.27
1927	12.920	6.759	64.353	6.242	25.41	12.393	118.16	84.64
1928	14.570	6.305	50.427	6.027	23.90	10.305	123.51	78.58
1929	18.107	6.833	45.155	6.512	23.90	8.956	122.14	67.66
1930	12.982	5.517	31.694	4.556	23.39	7.667	115.01	45.36
1931	8.116	4.243	24.467	3.640	22.90	6.720	87.35	35.67

[1] Flasks of 75 pounds prior to 1928; 76 thereafter.

[2] 99 per cent tin, 1896 to 1919; Straits tin, thereafter.

[3] Prices 1895 to 1898 are for Lake copper.

[4] Data are for New York zinc.

[5] Average for 1899 and 1900 only.

[6] Average, 1903–1905; average for New York zinc, 1901–1905, 5.058 cents.

[7] Average of 11 months.

[8] No average computed.

Sources: Engineering and Mining Journal; American Metal Market for aluminum, 1909–1931.

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No. 682.—MINES AND QUARRIES, PRODUCING AND NONPRODUCING: PRINCIPAL STATISTICS FOR CONTINENTAL UNITED STATES, 1929

NOTE.—Statistics relating to mines and quarries are not comparable with those shown in previous issues of the Statistical Abstract owing to the exclusion of data for the petroleum and natural-gas industries (no data having been collected in 1929) and the inclusion of data for the sand and gravel, glass-sand, and moulding-sand industries (data having been collected for the first time in 1929)

	All enterprises	Producing enterprises	Nonproducing enterprises	
			Number or amount	Per cent of total
Number of enterprises	10,996	10,135	861	7.8
Number of mines and quarries	12,506	11,602	904	7.2
Persons engaged, total	**870,480**	**863,948**	**6,532**	**.8**
Proprietors and firm members	4,929	4,897	32	.6
Salaried employees	53,331	52,633	698	1.3
Wage earners (average for the year)	812,220	806,418	5,802	.7
Power equipment (total horsepower)	**7,584,463**	**7,514,843**	**69,620**	**.9**
Prime movers	2,780,116	2,743,025	37,091	1.3
Electric motors driven by purchased energy	4,804,347	4,771,818	32,529	.7
Principal expenses, total—1,000 dollars	**1,675,944**	**1,661,168**	**14,776**	**.9**
Salaries—do	139,023	137,639	1,384	1.0
Wages—do	1,099,895	1,091,990	7,905	.7
Contract work—do	17,914	17,056	857	4.8
Supplies—do	297,554	293,568	3,986	1.3
Fuel—do	49,364	49,146	218	.4
Purchased electric energy—do	72,195	71,769	426	.6
Value of products—do	**2,392,831**	**2,392,831**		
Expenditures for development (included above in "Principal expenses")—1,000 dollars	89,646	76,488	13,158	14.7
Machinery and other equipment purchased during the year (total cost)—1,000 dollars	86,732	84,508	2,224	2.6

No. 683. PRODUCING MINES AND QUARRIES: PRINCIPAL STATISTICS, CONTINENTAL UNITED STATES

	1901 [1]	1919 [1]	1929		Per cent increase or decrease (—)	
			All industries	Revised (for comparative purposes) [1]	1909–1919	1919–1929
Number of enterprises	12,089	11,466	10,135	9,063	—5.2	—21.0
Number of mines and quarries	18,127	13,844	11,602	10,277	—23.6	—25.8
Persons engaged, total		**952,565**	**863,948**	**841,652**		**—11.6**
Proprietors and firm members	(2)	7,695	4,897	4,629		—39.8
Salaried employees	37,946	56,515	52,633	48,666	48.9	—13.9
Wage earners (average for the year)	930,680	888,355	806,418	788,357	—4.5	—11.3
Power equipment (total horsepower)	**3,384,759**	**4,900,102**	**7,514,843**	**6,970,091**	**44.8**	**42.2**
Prime movers	3,179,270	3,341,350	2,743,025	2,502,132	5.1	—25.1
Electric motors driven by purchased energy	205,489	1,558,752	4,771,818	4,467,959	658.6	186.6
Principal expenses (1,000 dollars):						
Salaries	46,093	115,361	137,639	126,008	151.4	8.8
Wages	559,546	1,161,415	1,091,990	1,066,606	107.6	—8.2
Contract work	12,151	10,717	17,056	16,595	—11.8	54.9
Supplies and materials	196,530	331,627	293,568	280,623	120.3	—15.4
Fuel		74,082	49,146	44,693		—39.7
Purchased electric energy		27,230	71,769	66,416		143.9
Value of products (1,000 dollars)	1,052,569	2,226,671	2,392,831	2,280,384	111.5	2.4

[1] The figures for 1909, 1919, and 1929 have been adjusted to make them comparable. [2] Not reported.

Source of Tables 682 and 683: Bureau of the Census, Department of Commerce.

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No. 684.—PRODUCING MINES AND QUARRIES: SUMMARY, BY STATES

NOTE.—Figures for 1919 and 1929 have been revised to make them comparable except for 1919 where data for revision were not available, and for certain States for 1929 where revision would result in disclosure of individual operations. Therefore, the total for the United States is less than the sum of the figures for the States for both years and for geographic divisions for 1919

[Wages and value of products in thousands of dollars]

Division and State	Number of mines and quarries		Wage earners (average for the year)		Horsepower		Wages		Value of products	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
Continental U. S.	**13,844**	**10,277**	**888,355**	**788,357**	**4,900,102**	**6,970,091**	**1,161,415**	**1,066,606**	**2,226,671**	**2,280,384**
New England	**334**	**347**	**7,213**	**7,979**	**62,725**	**96,422**	**8,036**	**11,560**	**18,723**	**27,929**
Maine	51	56	979	1,170	6,277	12,076	1,052	1,577	1,823	3,468
New Hampshire	33	39	682	569	4,336	5,455	826	773	1,568	1,562
Vermont	109	129	2,936	3,154	28,099	39,906	3,042	4,153	8,555	10,276
Massachusetts	79	77	1,704	2,207	12,493	26,741	2,069	3,657	4,176	8,571
Rhode Island	15	14	369	256	3,000	4,237	400	385	952	809
Connecticut	47	42	543	761	8,520	10,756	647	1,220	1,649	3,810
Middle Atlantic	**3,870**	**2,402**	**324,242**	**282,913**	**1,723,094**	**2,294,998**	**446,802**	**413,541**	**77,718**	**717,793**
New York	147	206	5,334	5,021	61,143	102,389	6,410	7,480	15,230	24,272
New Jersey	102	71	4,576	2,906	33,901	50,171	5,393	4,309	9,309	11,100
Pennsylvania	3,621	2,129	314,332	275,138	1,628,050	2,143,828	434,999	401,988	753,179	683,531
East North Central	**2,324**	**1,323**	**181,733**	**115,863**	**953,714**	**1,141,215**	**227,541**	**154,018**	**401,132**	**318,842**
Ohio	1,064	744	44,175	25,500	184,271	182,003	51,767	29,117	89,035	51,757
Indiana	398	375	26,348	15,968	121,994	156,645	29,717	22,349	50,236	44,297
Illinois	590	486	76,371	52,164	282,801	398,602	90,901	71,828	147,410	124,772
Michigan	165	117	31,292	19,745	337,882	355,897	50,406	27,229	103,870	87,819
Wisconsin	107	104	3,547	2,517	26,766	49,158	4,750	3,545	10,581	10,401
West North Central	**1,270**	**1,166**	**55,948**	**40,634**	**330,264**	**439,585**	**74,651**	**54,231**	**211,597**	**220,161**
Minnesota	196	143	17,265	11,370	144,199	198,182	29,383	17,767	130,399	130,359
Iowa	226	207	11,274	6,766	32,166	38,945	12,466	8,806	18,474	14,648
Missouri	494	401	14,857	12,793	100,070	147,986	16,777	15,538	33,366	43,479
North and South Dakota	107	150	2,559	2,507	13,881	35,202	3,526	3,834	7,242	10,527
Nebraska	9	8	162	137	1,847	1,605	166	182	293	460
Kansas	238	257	9,831	7,061	38,101	67,665	12,333	8,104	21,823	20,688
South Atlantic	**1,976**	**1,481**	**117,405**	**130,236**	**510,985**	**971,549**	**136,860**	**155,870**	**252,555**	**288,757**
Delaware and Dist. of Col	11	6	128	104	757	901	144	120	259	268
Maryland	161	119	5,628	3,987	18,660	23,967	6,152	4,125	9,699	7,341
Virginia	216	196	14,547	15,015	57,880	107,316	16,168	14,554	29,363	28,706
West Virginia	1,325	870	88,510	101,085	366,028	664,530	107,162	128,418	196,088	222,317
North Carolina	106	123	1,890	2,436	5,039	20,348	1,489	2,193	2,737	5,631
South Carolina	20	35	933	1,298	4,656	18,470	680	930	1,351	3,093
Georgia	82	81	2,397	3,665	12,996	34,386	2,017	2,898	4,082	9,439
Florida	55	65	3,372	3,061	44,969	106,384	3,108	3,046	8,976	13,525
E. South Central and W. South Central	**1,970**	**1,491**	**109,793**	**120,698**	**481,635**	**839,583**	**122,187**	**127,551**	**225,570**	**263,629**
Kentucky	864	617	41,444	57,569	135,098	310,664	46,905	62,442	75,157	102,502
Tennessee	263	167	14,470	11,441	56,675	73,772	12,987	10,333	23,292	22,050
Alabama	348	242	32,579	31,674	145,775	265,666	36,230	30,693	59,866	53,363
Arkansas	126	121	3,614	4,744	20,748	30,620	4,547	4,565	7,783	9,796
Louisiana and Mississippi	4	2	387	94	6,886	590	469	100	8,001	220
Oklahoma	284	245	12,734	10,047	94,939	98,481	16,060	13,318	34,430	31,560
Texas	81	104	4,565	5,190	21,514	60,304	4,989	6,151	17,041	44,334
Mountain	**1,598**	**1,094**	**79,234**	**78,896**	**700,398**	**980,410**	**127,506**	**132,711**	**298,454**	**397,995**
Montana	269	169	16,091	14,575	143,473	201,749	25,666	25,718	49,666	64,774
Idaho	83	65	2,455	4,226	31,059	67,295	4,202	7,420	11,840	20,746
Wyoming	87	73	7,532	5,282	49,864	50,855	11,090	9,664	19,969	18,817
Colorado	523	333	16,790	14,493	116,161	116,592	25,405	22,267	51,217	41,205
New Mexico	103	89	7,100	6,986	59,876	90,961	10,494	10,118	18,873	27,142
Arizona	172	134	15,268	16,533	165,076	201,456	26,193	28,238	88,478	116,135
Utah	154	131	9,847	12,149	85,816	179,475	17,197	21,225	41,511	82,843
Nevada	207	104	4,231	4,685	50,786	72,915	7,401	8,104	18,054	26,495
Pacific	**502**	**473**	**12,790**	**11,138**	**137,386**	**156,329**	**17,840**	**17,122**	**39,966**	**45,278**
Washington	93	90	5,050	3,652	37,998	39,321	7,466	5,796	13,329	12,271
Oregon	52	44	740	635	6,264	7,249	993	958	1,885	2,410
California	357	340	7,000	6,859	93,124	110,019	9,381	10,382	24,752	30,639

Source: Bureau of the Census, Department of Commerce.

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No. 685.—PRODUCING MINES AND QUARRIES: SUMMARY BY INDUSTRIES, CONTINENTAL UNITED STATES

NOTE.—Figures for 1919 and 1929 for the limestone, sandstone, abrasive materials, and silica industries are not strictly comparable, owing to the inclusion or exclusion of data for 1929 not similarly treated for 1919. For the limestone industry, data for quarrying operations of lime and cement manufacturers are included in the figures for 1929 but not in those for 1919. For the sandstone industry, data for enterprises whose product was ground into glass or molding sand, or used as refractory materials (siliceous mica schist and ganister), etc., are included in the figures for 1919 but excluded from those for 1929 and included in the figures for the glass-sand, molding-sand, abrasive-materials, or silica industries, according to the nature and purpose of the final product. Data for diatomaceous earth are included in the figures for abrasive materials in 1919 and in those for silica in 1929

[Wages and value of products in thousands of dollars]

Industry	Number of mines and quarries		Wage earners (average for the year)		Horsepower		Wages		Value of products	
	1919	1929	1919	1929	1919	1929	1919	1929	1919	1929
All industries [1]	**13, 844**	**10, 277**	**888, 355**	**789, 357**	**4, 900, 102**	**6, 970, 091**	**1, 161, 415**	**1, 068, 606**	**2, 226, 671**	**2, 280, 384**
Coal:										
Anthracite	534	303	147, 372	142, 801	899, 783	1, 041, 465	210, 289	229, 967	364, 034	384, 854
Bituminous	8, 282	5, 620	545, 798	458, 732	2, 155, 065	3, 124, 187	682, 601	574, 800	1, 145, 978	966, 694
Metals:										
Copper	226	180	43, 717	44, 502	522, 426	701, 791	66, 390	73, 200	181, 258	283, 517
Iron ore	406	208	45, 741	28, 516	370, 859	498, 821	75, 713	40, 904	218, 218	197, 335
Lead and zinc	473	375	21, 884	25, 907	229, 401	357, 737	30, 708	39, 192	75, 579	112, 423
Gold and silver, lode mines	799	258	15, 436	7, 946	149, 100	98, 772	23, 818	12, 982	58, 832	26, 107
Gold, placer mines	132	37	1, 380	578	35, 632	20, 280	1, 914	970	9, 369	3, 779
Mercury	26	40	748	1, 029	2, 607	5, 625	828	1, 384	1, 803	2, 820
Manganese	37	21	909	354	5, 800	2, 342	1, 086	392	2, 188	1, 185
Stone:										
Limestone	925	1, 256	22, 069	32, 300	213, 717	535, 466	23, 926	39, 188	52, 044	117, 258
Granite	381	434	8, 049	10, 037	55, 614	108, 217	8, 588	12, 640	18, 279	30, 381
Basalt	174	144	3, 336	3, 053	37, 307	63, 881	3, 991	4, 498	9, 658	15, 544
Slate	104	130	3, 513	4, 098	20, 613	33, 817	3, 128	4, 884	5, 721	10, 486
Marble	62	88	1, 732	3, 350	15, 628	30, 198	1, 452	3, 292	4, 398	7, 539
Sandstone	276	172	4, 287	2, 156	33, 869	28, 935	4, 449	2, 626	10, 685	6, 312
Miscellaneous	(2)	234	(2)	1, 841	(2)	28, 527	(2)	2, 406	(2)	8, 475
Miscellaneous:										
Abrasive materials [3]	34	36	317	462	1, 748	3, 828	322	491	722	1, 411
Asbestos	11	11	146	195	420	2, 114	92	237	250	397
Asphalt and bituminous rock	12	25	324	1, 123	648	13, 109	295	1, 255	750	5, 124
Barite	98	44	919	844	3, 029	6, 066	769	648	1, 592	1, 801
Clay	350	236	5, 453	4, 139	21, 203	31, 877	5, 367	3, 758	10, 086	10, 753
Feldspar	32	58	349	598	1, 782	6, 543	264	527	584	1, 935
Fluorspar	72	36	1, 124	1, 053	7, 138	6, 513	1, 196	1, 112	3, 335	2, 858
Fuller's and filtering earths	9	24	824	991	2, 538	8, 221	541	853	2, 019	4, 812
Gypsum	48	63	2, 191	2, 078	15, 032	26, 498	2, 478	2, 628	6, 806	5, 740
Magnesite	11	5	448	351	2, 540	3, 197	652	466	2, 170	2, 044
Mica	69	32	448	226	803	1, 721	288	195	607	516
Millstones and pulpstones	11	14	37	164	220	2, 517	48	221	65	621
Minor metals [4]	37	30	1, 371	1, 244	6, 051	13, 469	1, 690	1, 507	3, 916	6, 650
Phosphate rock	69	33	4, 373	3, 201	49, 639	104, 146	3, 901	3, 304	10, 300	13, 044
Silica [5]	29	73	166	1, 433	2, 032	11, 771	166	1, 677	372	4, 645
Sulphur and pyrites	22	10	2, 301	2, 199	22, 629	33, 932	3, 067	3, 483	20, 345	37, 126
Talc and soapstone	30	28	958	550	7, 053	10, 530	835	615	2, 302	2, 688
Miscellaneous minerals [6]	47	19	604	305	8, 040	3, 978	516	301	1, 350	3, 503
Sand, glass	------	32	------	1, 030	------	13, 215	------	1, 314	------	5, 359
Sand, molding	------	128	------	1, 037	------	14, 792	------	1, 291	------	4, 776
Sand and gravel	------	1, 165	------	15, 994	------	516, 745	------	22, 780	------	102, 312

[1] For 1919 includes, besides those specified, statistics for 15 enterprises in the chromite industry; the value of products of this industry was less than one-tenth of 1 per cent of the total for all industries. For 1929 does not include data for the glass-sand, molding-sand, and sand and gravel industries, no data having been collected for these industries in 1919.

[2] Distributed among other stones.

[3] Emery; garnet and industrial sapphires and diamonds; grinding pebbles and tube-mill lining; grindstones, oilstones, whetstones, scythestones, and rubbing stones; pumice and volcanic ash (pumicite).

[4] Bauxite, molybdenum, titanium, tungsten, vanadium.

[5] Diatomaceous earth, ganister, quartz, quartzite, silica rock, silica sand, siliceous mica schist, tripoli.

[6] Borates, cyanite, graphite, lithium minerals (amblygonite, lepidolite, and spodumene), mineral pigments, tantalum, vermiculite.

Source: Bureau of the Census, Department of Commerce.

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No. 686.—PRODUCING MINES AND QUARRIES: SIZE OF ENTERPRISES ACCORDING TO NUMBER OF WAGE EARNERS, CONTINENTAL UNITED STATES, 1929

Industry and wage earners per enterprise	Number of enterprises	Number of mines and quarries	Wage earners	
			Average for year	Per cent
All industries [1]	**10,099**	**11,566**	**806,418**	**100.0**
Not reported	31	34		
1 to 5	2,742	2,799	8,194	1.0
6 to 20	3,004	3,217	34,079	4.2
21 to 50	1,611	1,795	53,183	6.6
51 to 100	1,055	1,201	76,362	9.5
101 to 250	988	1,267	158,623	19.7
251 to 500	416	607	145,883	18.1
501 to 1,000	169	274	110,931	13.8
1,000 to 2,500	60	188	87,279	10.8
2,501 and over	23	184	131,884	16.3
Anthracite	**198**	**303**	**142,801**	**100.0**
1 to 5	31	31	85	.1
6 to 20	20	21	221	.2
21 to 50	21	21	710	.5
51 to 100	17	18	1,113	.8
101 to 250	32	34	5,052	3.5
251 to 500	19	19	6,983	4.9
501 to 1,000	34	36	23,291	16.3
1,001 to 2,500	11	24	17,255	12.1
2,501 and over	13	99	88,091	61.6
Bituminous coal	**4,976**	**5,620**	**458,732**	**100.0**
1 to 5	1,384	1,384	3,979	.9
6 to 20	1,109	1,123	12,316	2.7
21 to 50	676	720	23,169	5.1
51 to 100	619	692	45,624	9.9
101 to 250	708	830	114,505	25.0
251 to 500	334	472	116,590	25.4
501 to 1,000	105	196	67,093	14.6
1,001 to 2,500	34	142	47,404	10.3
2,501 and over	7	61	27,752	6.1
Copper	**143**	**180**	**44,502**	**100.0**
Not reported	2	2	104	.2
1 to 5	33	33		
Copper—Continued.				
6 to 20	40	41	496	1.1
21 to 50	14	17	398	.9
51 to 100	12	13	877	2.0
101 to 250	11	13	1,859	4.2
251 to 500	10	15	3,393	7.6
501 to 1,000	7	9	5,096	11.5
1,001 to 2,500	11	13	32,279	72.5
2,501 and over	3	24		
Limestone	**1,165**	**1,254**	**32,300**	**100.0**
1 to 5	283	286	897	2.8
6 to 20	438	465	5,400	16.7
21 to 50	288	312	9,313	28.8
51 to 100	107	119	7,436	23.0
101 to 250	41	58	6,398	19.8
251 to 500	6	6	2,856	8.9
501 to 1,000	2	8		
Iron ore	**180**	**208**	**28,516**	**100.0**
1 to 5	7	7	20	.1
6 to 20	13	13	153	.5
21 to 50	29	32	949	3.3
51 to 100	45	46	3,452	12.1
101 to 250	59	76	9,653	33.9
251 to 500	16	20	5,262	18.5
501 to 1,000	10	11	9,017	31.6
1,001 to 2,500	1	3		
Sand and gravel	**957**	**1,165**	**15,994**	**100.0**
1 to 5	263	292	976	6.1
6 to 20	485	561	5,216	32.6
21 to 50	160	214	4,964	31.0
51 to 100	31	49	2,175	13.6
101 to 250	17	48	2,663	16.7
251 to 500	1	1		

[1] Exclusive of 36 enterprises operating 36 mines which employed no wage earners.

No. 687.—PRODUCING MINES AND QUARRIES, HOURS OF LABOR, 1929

NOTE.—This table does not include data for enterprises having products valued at less than $20,000. To avoid disclosing data for individual establishments, the figures for certain groups are combined and printed in *italics*. An (x) shows where an omission results

Industry	Wage earners (average for the year)—total	Wage earners in mines where the prevailing hours of labor per week were—						
		Under 36	36 and over but under 40	40	Over 40 but under 48	48	Over 48 but under 63	63 and over
All industries	**732,395**	**51,023**	**5,764**	**29,293**	**26,508**	**528,394**	**144,091**	**7,324**
Coal, anthracite	142,801	912		30	3,186	138,226	*447*	(x)
Coal, bituminous	447,125	49,602	5,587	26,842	14,539	320,718	29,427	360
Copper	44,234	(x)			(x)	24,416	*19,818*	
Limestone	31,578	*118*	(x)	450	307	4,652	25,052	999
Iron ore	28,516			*424*	974	15,103	*12,015*	(x)
Sand and gravel	15,994	*70*	(x)	273	339	1,273	11,850	2,189
Lead	13,831	(x)				*6,634*	6,734	463
Zinc	11,861		(x)		(x)	5,897	*5,862*	102
Granite	9,806	44	97	595	4,239	2,326	2,505	
Gold, lode	5,079	(x)				*1,971*	*3,108*	(x)
Gold, placer	534	(x)				*39*	495	
Clay	4,139	*78*	(x)	*98*	281	744	2,621	917
Slate	4,027	91		(x)	*925*	52	*2,959*	(x)
Marble	3,308	(x)	(x)		*217*	94	*2,907*	(x)
Basalt	3,016			*127*	(x)	406	2,392	91
Silver	2,451	(x)				*90*	*2,361*	(x)
Sandstone	2,058	(x)		*137*	344	399	*1,178*	(x)
Stone, miscellaneous	1,569		(x)		*74*	381	892	222
Other industries	20,468	123	1	169	933	5,001	13,660	581

Source of Tables 686 and 687: Bureau of the Census, Department of Commerce.

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No. 688.—MINERAL PRODUCTS OF THE UNITED STATES: QUANTITIES AND VALUES

NOTE.—Data cover continental United States and, for leading products, outlying areas. Certain of the figures represent shipments rather than quantity mined, and some of the figures for 1931 are estimates. Blank spaces indicate absence of data in most cases; method of computing total value is indicated by footnotes. Short tons are 2,000 pounds; long tons, 2,240 pounds

Product	Quantity						Value in thousands of dollars					
	1915	1920	1925	1929	1930	1931	1915	1920	1925	1929	1930	1931
METALLIC												
Aluminum.....1,000 pounds		138,000	140,000	225,000	229,035	177,544	16,280	41,375	36,430	51,864	50,961	37,284
Antimonial lead[1].....short tons	23,224	12,535	19,667	25,669	13,711	(1)	3,666	1,963	3,786	3,267	1,393	(1)
Antimony[2].....do	5,364	2,785	2,624	3,052	1,685	964	[2] 2,374	[2] 473	[2] 918	[2] 546	[2] 258	[2] 130
Bauxite.....long tons	297,041	521,308	316,540	365,777	330,612	195,895	1,515	3,247	1,988	2,266	1,928	1,141
Cadmium.....pounds	91,415	129,283	502,824	2,481,427	2,777,762	1,050,529	108	151	277	2,010	1,778	410
Chromite.....long tons	3,281	2,502	108	269	80	268	37	45	2	4	2	4
Copper,[3] sales value.....1,000 pounds	1,388,010	1,209,061	1,674,870	2,002,863	1,394,389	1,042,711	242,902	222,467	237,832	352,504	181,271	98,887
Ferro-alloys.....long tons	388,644	612,808	616,222	829,324	650,240	398,295	17,450	77,519	53,048	75,506	51,900	30,765
Gold.....1,000 troy ounces	4,888	2,476	2,412	2,208	2,286	2,396	101,036	51,187	49,860	45,651	47,248	49,527
Iron:												
Ore[4].....1,000 long tons	55,493	69,281	63,925	75,603	55,201	28,516	[4] 101,289	[4] 285,006	[4] 160,797	[4] 197,149	[4] 145,619	[4] 74,124
Pig.....do	30,384	35,710	36,815	41,549	29,905	17,813	401,410	1,140,904	739,316	731,858	512,165	285,147
Lead (refined) [3] sales value.....short tons	507,026	476,849	654,921	672,498	573,740	390,260	47,660	76,296	113,956	84,735	57,374	28,879
Manganese ore (35 per cent or more Mn.) .....long tons	9,613	94,420	98,324	60,379	67,035	39,242	113	2,396	1,858	1,612	1,437	699
Manganiferous ore (5 to 35 per cent Mn.)[5] .....long tons	195,735	767,664	1,448,054	1,188,258	785,390	281,414	817	2,438	3,752	3,274	2,402	977
Mercury, metal.....flasks (76 pounds net)	20,756	13,216	9,053	23,682	21,553	24,947	1,805	1,067	763	2,893	2,479	2,179
Mercury ore.....short tons	159,000	109,000	65,000	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Nickel (value at New York City).....do	822	365	272	340	308	373	538	293	170	297	214	202
Ores (crude), tailings, etc.:												
Copper.....1,000 short tons	43,404	36,765	53,262	68,422	47,382	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Copper-lead and copper-lead zinc.....do	11	27	229	259	246	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Dry and siliceous (gold and silver).....do	12,687	8,590	8,995	7,671	7,767	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Lead.....do	7,497	7,200	8,560	8,165	8,080	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Lead-zinc.....do	18,176	12,383	17,741	14,469	10,645	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Zinc.....do		2,651	3,411	7,193	5,980	(6)	(6)	(6)	(6)	(6)	(6)	(6)
Platinum and allied metals (value at New York City).....troy ounces	8,665	41,544	49,643	47,977	43,502	36,205	479	4,698	5,662	3,121	2,049	1,274
Silver.....1,000 troy ounces	74,961	55,362	66,155	61,328	50,748	30,932	37,397	60,802	45,912	32,688	19,538	8,970
Tin (metallic equivalent).....short tons	102	22	14	39	17	4	79	22	16	36	10	2
Titanium ore (ilmenite).....do			5,566	(7)	(7)	(7)			89	(7)	(7)	(7)
Titanium ore (rutile).....do	250	277	46	(7)	(7)	(7)	28	(7)	11	(7)	(7)	(7)
Tungsten ore (60 per cent concentrate).....do	2,332	216	1,190	830	702	1,404	4,100	102	756	654	509	928
Uranium and vanadium ores.....do		35,076	13,070	(7)	(7)	(7)	694	2,401	331	(7)	(7)	(7)
Zinc,[3] sales value.....do	458,135	450,045	555,631	612,136	489,361	201,996	113,617	72,907	84,456	80,802	46,979	22,192
Total metallic products (approximate)							**991,730**	**1,762,350**	**1,380,280**	**1,475,990**	**982,550**	**567,200**

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NONMETALLIC												
Arsenious oxide	short tons	5,498	11,502	12,317	14,546	17,425	13,777	302	2,021	1,199	884	1,003	797
Asbestos	do	1,731	1,648	1,258	3,155	4,242	3,228	77	678	52	351	289	119
Asphalt:													
Native	do	740,254	898,993	584,850	804,027	702,777	503,383	5,242	13,199	4,148	5,470	4,463	2,930
Oil	do			1,206,700	2,332,973	2,273,546	2,200,337			[4] 15,306	[4] 24,136	[4] 21,570	[4] 16,540
Barite (crude)	do	108,547	228,113	228,063	277,269	234,932	174,520	381	2,142	1,703	1,851	1,538	995
Borates	do	67,003	120,320	113,700	169,870	177,360	172,600	1,677	2,173	3,086	4,515	5,352	4,761
Bromine	1,000 pounds	856	1,161	1,566	6,415	8,463	8,935	856	745	488	1,759	2,110	1,855
Calcium-magnesium chloride	short tons	20,535	27,849	67,870	114,240	116,160	86,156	131	539	1,387	2,097	2,208	1,687
Cement	1,000 bbls. (376 lbs. net)	87,685	97,079	159,047	172,027	160,846	128,325	75,155	195,590	281,076	255,105	231,249	142,529
Clay:													
Products								160,080	373,670	[3] 423,447	[3] 373,409	[3] 275,134	[9]
Raw	1,000 short tons	2,363	3,116	4,030	4,347	3,963	[8]	[4] 3,972	[4] 11,614	[4] 12,737	[4] 14,851	[4] 12,521	[8]
Coal:													
Bituminous [10]	do	442,624	568,667	520,053	534,989	467,526	378,110	502,038	2,129,933	1,060,402	952,781	795,483	615,000
Pennsylvania anthracite	1,000 long tons	79,460	79,998	55,194	65,918	61,951	59,531	184,653	434,252	327,665	385,643	354,574	304,203
Coke [4]	1,000 short tons	41,581	51,345	51,267	59,834	47,972	33,484	[4] 105,504	[4] 494,246	[4] 262,559	[4] 278,995	[4] 209,137	[4] 161,609
Diatomite and tripoli	short tons	35,304	102,155	102,418	[11] 38,011	[11] 32,439	[11] 26,682	167	1,649	1,357	[11] 546	[11] 508	[11] 310
Emery	do	3,063	2,327	769	924	555	512	31	22	6	11	6	6
Feldspar (crude)	long tons	93,855	135,551	185,706	197,699	171,788	147,119	489	851	1,316	1,277	1,067	861
Fluorspar	short tons	136,941	186,778	113,669	146,439	95,849	53,184	764	4,719	2,052	2,791	1,747	931
Fuller's earth	do	47,901	128,487	206,574	315,083	335,644	283,400	489	2,506	2,924	4,310	4,327	3,056
Garnet for abrasive purposes	do	4,301	5,476	8,429	5,961	5,003	2,946	140	434	713	435	314	193
Gems and precious stones								170	265	[12]	[12]	[12]	[12]
Graphite:													
Amorphous	short tons	1,181	4,694	3,536	3,555	1,941	[7]	12	50	40	47	21	[9]
Crystalline	1,000 pounds	7,074	9,632	2,257	5,806	[7]	[9]	417	576	57	264	[7]	[9]
Grindstones and pulpstones	short tons		53,484	37,340	27,736	18,700	8,724	648	1,707	1,706	1,242	771	342
Gypsum	1,000 short tons	2,448	3,129	5,678	5,016	3,471	2,559	6,597	24,533	47,577	31,293	27,051	20,801
Lime	do	3,623	3,570	4,581	4,270	3,388	2,710	14,424	37,544	42,609	33,479	25,616	18,506
Magnesite (crude)	short tons	30,499	303,767	120,660	187,660	129,320	73,602	274	2,748	1,433	1,500	1,033	499
Mica:													
Scrap	do	3,959	5,723	9,695	6,253	6,732	6,621	51	167	174	118	109	99
Sheet	1,000 pounds	554	1,683	1,794	2,035	1,465	963	378	547	322	286	177	112
Millstones								53	63	22	31	18	5
Mineral paints:													
Natural pigments [13]	short tons	57,442	[13]	[13]	[13]	[15]	[13]	552	[13]	[13]	[13]	[13]	[13]
Zinc and lead pigments [14]	do	141,383	143,244	199,190	204,574	147,948	123,963	14,962	24,565	28,311	20,212	18,420	15,225
Mineral waters	1,000 gallons	52,114	36,218	[12]	[12]	[12]	[13]	5,139	4,861	[12]	[12]	[12]	[12]
Natural gas	1,000,000 cu. ft	628,579	798,210	1,188,571	1,917,693	1,943,421	1,637,000	101,312	196,194	265,271	413,276	416,090	350,000
Natural gasoline	1,000 gallons	65,365	384,744	1,127,470	2,233,688	2,210,494	1,831,918	5,151	71,788	120,383	158,410	128,160	65,964
Oilstones, etc	short tons		1,144	970	838	651	370	115	232		212	137	82
Peat	do	42,284	73,204	72,436	[12]	[12]	[12]	289	922		[12]	[12]	[12]
Petroleum	1,000 barrels (42 gals.)	281,104	442,929	763,743	1,007,323	898,011	851,081	179,463	1,360,745	1,284,960	1,280,417	1,070,200	550,630
Phosphate rock	1,000 long tons	1,836	4,104	3,482	3,761	3,926	2,535	5,413	25,080	11,546	13,153	13,997	9,288
Potash (K_2O)	short tons	1,090	41,444	25,802	57,540	56,610	63,770	342	7,463	1,204	2,988	2,986	3,087
Pumice	do	27,708	41,838	40,380	67,013	56,843	68,819	63	114	170	353	336	339
Pyrites	long tons	394,124	310,777	170,081	[15] 333,465	[15] 347,512	[15] 330,848	1,675	1,597	650	[15] 1,250	[15] 1,029	[15] 975
Salt	1,000 short tons	5,352	6,840	7,398	8,544	8,054	7,353	11,748	29,894	26,162	27,335	25,009	21,541

For footnotes see p. 694.

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No. 688.—Mineral Products of the United States: Quantities and Values—Continued

Products	Quantity						Value in thousands of dollars					
	1915	1920	1925	1929	1930	1931	1915	1920	1925	1929	1930	1931
NONMETALLIC—continued												
Sand:												
Glass.....1,000 short tons	1,884	2,166	2,335	2,220	1,849	1,600	1,607	4,749	3,836	3,788	3,211	2,600
Molding, building, etc., and gravel..do	74,719	79,875	169,667	220,352	195,203	153,400	21,515	60,913	103,706	129,048	111,966	85,400
Sand-lime brick.....thousands	179,643	169,761	[3] 315,595	[3] 269,584	[3] 191,193	[3] 146,514	1,135	2,490	[3] 3,781	[3] 2,910	[3] 1,951	[3] 1,269
Silica (quartz).....short tons	112,575	68,190	25,444	20,981	13,156	7,851	274	320	205	206	121	69
Slate.....do	----------	468,700	724,600	670,070	463,610	368,420	4,959	8,726	12,575	11,245	7,912	5,498
Stone.....1,000 short tons	----------	78,527	115,851	141,110	126,996	96,200	74,595	133,542	174,217	202,693	178,949	131,248
Sulphur.....1,000 long tons	294	1,518	1,858	2,437	1,990	1,377	4,959	30,000	29,000	43,800	35,800	24,800
Sulphuric acid (60° Baumé) from copper and zinc smelters.....1,000 short tons	[16] 905	[16] 1,230	1,007	1,240	1,188	863	7,621	13,617	7,513	9,828	9,544	6,492
Talc and soapstone.....short tons	186,891	210,635	[17] 182,256	[17] 219,783	[17] 179,385	[17] 163,752	1,892	3,035	[17] 2,012	[17] 2,629	[17] 2,108	[17] 1,852
Total nonmetallic products (approximate)	----------	----------	----------	----------	----------	----------	**1,400,484**	**5,214,170**	**4,291,100**	**4,400,880**	**3,773,400**	**2,605,500**
SUMMARY OF VALUES												
Metallic products	----------	----------	----------	----------	----------	----------	991,730	1,762,350	1,380,280	1,475,990	982,550	567,200
Nonmetallic products (exclusive of fuels)	----------	----------	----------	----------	----------	----------	427,867	1,021,260	1,232,420	1,210,353	1,008,900	719,700
Mineral fuels	----------	----------	----------	----------	----------	----------	972,617	4,192,910	3,058,680	3,190,527	2,764,500	1,885,800
"Unspecified" (metallic and nonmetallic) products partly estimated	----------	----------	----------	----------	----------	----------	2,430	4,820	6,250	10,430	8,850	7,300
Grand total (approximate)	----------	----------	----------	----------	----------	----------	**2,394,644**	**6,981,340**	**5,677,630**	**5,887,300**	**4,764,800**	**3,180,000**

[1] From both domestic and foreign ores. No comparable data for 1931; estimate of value of antimony and lead contents of antimonial lead from domestic sources included in total value of metallic products.
[2] Content of antimonial lead. Value excluded from metallic total as the value of the antimony is included in the antimonial lead value.
[3] Product from domestic ores only.
[4] Value not included in total value, since value of product derived therefrom, or of raw material used, is accounted for under other items.
[5] Including ore used for fluxing. [6] Figures not available. Value of products derived therefrom, or raw materials used, is included elsewhere.
[7] Value included in total value of metallic or nonmetallic products. Bureau of Mines not at liberty to publish figures.
[8] Figures obtained through cooperation with Bureau of the Census. [9] Figures not yet available. Estimate of value included in total value of nonmetallic products.
[10] Includes brown coal and lignite and anthracite mined elsewhere than in Pennsylvania.
[11] Tripoli only. Value of diatomite is included in total value of nonmetallic products. Bureau of Mines not at liberty to publish figures.
[12] No canvass. Estimate of value included in total value of nonmetallic products.
[13] Canvass discontinued after 1915. Value of iron ore sold for paint included under "Unspecified."
[14] Sublimed blue lead, sublimed white lead, leaded zinc oxide, and zinc oxide.
[15] Figures include pyrites concentrates from Tennessee and partly desulphurized tailings from zinc operations in Wisconsin; similar output in earlier years was not included.
[16] In 1915 includes 59,189 tons and in 1920, 23,728 tons of stronger acid, not converted to 60° Baumé.
[17] Talc only. Value of soapstone is included in value of nonmetallic products. Bureau of Mines not at liberty to publish figures.

Source: Bureau of Mines, Department of Commerce.

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No. 689.—MINERAL PRODUCTION, BY STATES

NOTE.—Iron ore, not pig iron, is taken as the basis of valuation of iron and in the case of other metals, mine production (recoverable content of metals) is the basis

[Values in thousands of dollars

Division and State	1924	1925	1926	1927	1928	1929	1930
Continental United States	4,658,264	4,965,430	5,485,743	4,888,555	4,722,136	5,164,963	4,250,005
New England	48,950	48,452	50,707	48,581	49,053	49,101	43,619
Maine	6,035	5,839	5,786	5,476	5,923	6,749	6,228
New Hampshire	3,378	3,465	4,145	3,447	3,816	3,726	3,337
Vermont	14,549	14,409	14,955	14,703	14,649	14,603	11,637
Massachusetts	15,726	16,832	16,787	16,295	16,234	16,031	12,723
Rhode Island	1,133	1,152	1,339	1,311	831	940	1,209
Connecticut	8,129	6,755	7,695	7,299	7,600	7,053	5,485
Middle Atlantic	1,182,337	1,045,993	1,244,848	1,122,074	1,060,381	1,074,167	935,351
New York	95,435	102,036	112,016	112,210	108,026	019,361	99,622
New Jersey	75,271	76,761	77,066	73,091	70,865	71,892	57,206
Pennsylvania	1,011,631	867,196	1,055,766	936,773	881,490	892,914	778,523
East North Central	727,181	732,417	761,391	660,742	642,488	678,012	543,627
Ohio	249,050	247,507	253,884	226,963	211,041	220,061	186,972
Indiana	112,299	111,834	118,692	107,578	98,584	96,962	79,227
Illinois	235,796	231,659	237,242	180,394	188,009	182,791	148,311
Michigan	114,239	122,212	130,861	124,030	123,826	151,976	111,406
Wisconsin	15,797	19,205	20,712	21,777	20,938	24,222	17,711
West North Central	347,234	398,158	423,120	347,584	348,016	392,950	325,780
Minnesota	107,845	110,253	118,361	102,973	108,275	136,350	103,931
Iowa	40,460	38,420	35,972	33,426	35,499	35,955	33,358
Missouri	81,054	92,548	90,004	75,890	74,981	78,948	69,144
North Dakota	2,735	2,662	2,805	2,870	3,083	3,466	3,056
South Dakota	6,926	7,972	7,595	8,464	9,443	8,914	11,076
Nebraska	3,209	3,359	3,322	3,542	3,455	4,845	4,962
Kansas	105,005	142,944	165,061	120,369	113,280	124,472	100,253
South Atlantic	405,881	443,785	519,412	481,112	440,831	450,973	380,543
Delaware	512	539	378	493	482	467	425
Maryland	18,507	21,558	24,067	20,469	18,418	18,470	14,990
District of Columbia	814	955	987	1,375	1,031	1,065	1,288
Virginia	37,962	41,038	46,136	41,323	38,770	39,753	34,603
West Virginia	307,314	333,328	395,942	366,643	336,637	346,565	290,119
North Carolina	9,261	9,504	10,993	11,704	11,480	10,964	7,462
South Carolina	3,444	3,508	3,677	4,251	4,046	3,592	3,341
Georgia	14,947	16,504	17,480	16,758	14,740	15,294	12,831
Florida	13,120	16,651	19,752	18,096	15,227	14,804	15,484
East South Central	235,272	249,551	271,658	271,684	243,628	241,344	201,427
Kentucky	120,511	131,371	146,768	152,614	131,970	132,650	111,691
Tennessee	35,355	38,869	39,297	37,875	39,217	40,720	32,499
Alabama	77,316	77,139	83,710	78,641	69,807	65,402	55,462
Mississippi	2,090	2,172	1,883	2,554	2,634	2,573	1,775
West South Central	784,440	1,000,669	1,136,796	1,009,814	967,071	1,116,555	947,374
Arkansas	61,749	87,186	84,486	59,449	45,010	41,325	34,901
Louisiana	56,931	60,504	62,204	51,267	56,810	62,726	71,929
Oklahoma	393,031	501,767	569,519	524,595	486,634	516,685	390,171
Texas	272,729	351,212	420,587	374,503	378,617	495,820	450,373
Mountain	470,270	519,273	526,261	458,780	493,577	579,548	369,988
Montana	70,632	79,261	79,763	68,265	72,752	93,842	50,995
Idaho	27,832	31,611	31,753	29,184	28,589	32,143	22,904
Wyoming	75,494	78,755	78,988	56,167	52,951	51,237	46,755
Colorado	61,488	63,149	65,597	58,855	58,595	55,332	46,271
New Mexico	23,914	25,549	28,514	28,609	30,427	37,128	31,850
Arizona	100,327	114,203	115,048	100,559	116,000	157,960	82,934
Utah	84,357	100,275	98,985	90,388	97,381	115,131	64,224
Nevada	26,226	26,470	27,613	26,753	34,882	36,776	24,075
Pacific	456,699	527,132	551,550	488,284	463,068	584,313	505,296
Washington	21,159	22,382	21,257	21,966	22,120	22,435	20,076
Oregon	7,364	7,827	6,941	6,821	6,687	6,877	6,170
California	428,176	496,923	523,352	459,497	434,261	555,001	479,050
Alaska	17,362	18,286	17,607	14,402	14,024	15,947	13,707

Source: Bureau of Mines, Department of Commerce.

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No. 690.—IRON ORE: Production, Shipments, Exports, and Imports

NOTE.—**In thousands of long tons (2,240 pounds).** Nearly all exports are to Canada. Blank spaces indicate lack of data. Since 1905, ore containing 5 per cent or more of manganese has been excluded

Yearly average or year	Production	Shipments	Exports	Imports
1881–1890	10,385			766
1891–1900	17,551			587
1901–1910	41,339		271	1,180
1911–1915	51,595	50,592	953	1,841
1916–1920	69,737	70,224	1,143	967
1921–1925	52,429	52,617	677	1,691
1926–1930	64,600	64,952	1,021	2,709
1917	75,289	75,573	1,132	972
1918	69,658	72,021	1,256	787
1919	60,965	56,373	997	476
1920	67,604	69,281	1,145	1,273
1921	29,491	26,653	440	316
1922	47,129	50,613	602	1,135
1923	69,351	69,811	1,117	2,768
1924	54,267	52,083	595	2,047
1925	61,908	63,925	631	2,191
1926	67,623	69,293	869	2,555
1927	61,741	61,232	899	2,621
1928	62,197	63,433	1,282	2,453
1929	73,028	75,603	1,304	3,139
1930	58,409	55,201	752	2,775
1931	31,132	28,516	436	1,466

Production	1928	1929	1930	1931
REGION				
Lake Superior [1]	52,517	62,825	49,383	25,877
Birmingham	6,167	6,282	5,552	3,495
All other	3,513	3,921	3,474	1,760
STATE				
Alabama	6,308	6,453	5,738	3,615
Michigan	13,677	15,456	13,544	7,553
Minnesota	37,564	45,761	34,518	17,445
Missouri	95	169	133	112
New Mexico	185	172	173	168
New Jersey	250	281	395	294
New York	713	822	889	275
Pennsylvania	1,024	1,092	965	368
Utah	321	325	279	184
Wisconsin	1,285	1,609	1,321	880
Wyoming	491	639	320	181
All other	285	248	133	57
KIND				
Hematite	[3] 59,208	[2,3] 69,849	[2,3] 55,266	[3] 29,665
Brown ore	817	[2] 776	[2] 720	360
Magnetite	[3] 2,171	[3] 2,401	[3] 2,421	[3] 1,105
Carbonate	2	2	1	1

[1] Includes only those mines in Wisconsin which are in true Lake Superior district.
[2] Some hematite included with brown ore. [3] Some hematite included with magnetite.

No. 691.—ANALYSIS OF PIG IRON AND FERRO-ALLOY PRODUCTION

[In thousands of long tons (2,240 pounds) unless otherwise specified]

	1900	1905	1910	1915	1920	1925	1928	1929	1930	1931
Total pig iron and ferro-alloys	13,788	22,992	27,304	29,916	36,928	36,701	38,156	42,614	31,752	18,426
By States:										
New England	14	16	17	8	10					
New York, New Jersey	463	1,509	2,203	2,105	2,601	2,188	2,563	3,025	2,211	1,275
Pennsylvania	6,366	10,579	11,272	12,791	13,983	12,523	12,423	14,453	10,305	5,233
Maryland and Virginia	781	842	771	503	953	830	1,051	1,166	1,088	692
Alabama	1,184	1,604	1,939	2,049	2,393	2,836	2,546	2,710	2,395	1,671
Ohio	2,471	4,586	5,752	6,913	8,533	8,863	9,099	9,796	6,805	4,189
Illinois	1,363	2,034	2,676	2,447	3,281	3,604	3,912	4,358	3,345	1,965
Indiana, Michigan	164	289	1,250	1,987	2,940	4,120	4,583	5,086	3,934	2,328
Wisconsin, Minnesota	185	351	307	373	711	468	339	379	805	317
Iowa, Colorado, Utah	798	1,182	1,117	741	1,520	505	634	638		
All other						762	976	1,003	865	756
By disposition:										
For sale	(1)	(1)	(1)	8,583	10,724	8,991	8,304	9,635	7,083	4,339
For maker's use	(1)	(1)	(1)	21,333	26,202	27,710	29,852	32,979	24,670	14,087
By kinds:										
Basic	1,072	4,105	9,085	13,093	16,738	19,667	22,124	24,912	18,393	10,174
Bessemer	7,979	12,407	11,246	10,523	12,062	9,419	9,014	9,877	7,315	4,636
Foundry (incl. ferrosilicon)	3,376	4,758	5,260	4,844	5,958	5,410	4,513	4,787	3,960	2,345
Malleable	173	635	843	830	1,311	1,554	1,923	2,313	1,572	946
Forge	793	728	564	316	318	241	88	168	51	35
Ferromanganese, spiegeleisen, and all other	395	359	306	310	539	409	493	557	461	289
By fuels:										
Coke [2]	11,728	20,965	26,258	29,535	36,300	36,504	38,013	42,476	31,656	18,380
Anthracite	1,677	1,675	649	85	303					
Charcoal	384	353	397	296	323	196	143	138	97	46
Materials used:										
Iron ore, briquettes, etc	24,131	41,525	51,739	55,137	66,450	65,450	[3] 65,352	[3] 73,059	[3] 53,662	[3] 29,668
Cinder, scale, etc	1,600	(1)	2,800	4,433	4,986	5,017	[3] 6,712	[3] 7,434	[3] 6,296	[3] 3,762
Coke (1,000 tons of 2,000 pounds) [4]	(1)	(1)	(1)	33,329	42,046	39,296	[3] 38,363	[3] 42,403	[3] 31,168	[3] 17,738
Limestone	7,422	11,627	14,528	14,790	17,825	15,154	[3] 14,272	[3] 15,603	[3] 11,099	[3] 6,209
Total number of furnaces	406	424	473	445	452	395	334	316	300	270
Furnaces in blast Dec. 31	232	313	206	310	216	328	203	165	97	56

[1] Not available. [2] Includes pig iron and ferro-alloys made in electric furnaces.
[3] Materials consumed in manufacture of pig iron only. [4] Coke and bituminous coal 1900 to 1925.

Sources: Table 690, Bureau of Mines, Department of Commerce; Table 691, American Iron and Steel Institute.

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No. 692.—PRODUCTION, EXPORTS, AND IMPORTS OF PIG IRON (INCLUDING FERRO-ALLOYS) AND PRODUCTION OF STEEL INGOTS AND CASTINGS

NOTE.—**In long tons (2,240 pounds).** Prior to 1901 exports and imports are for years ended June 30 following year specified; calendar years thereafter. All production figures are for calendar years. For individual years 1871 and 1906 and data for earlier years, see Statistical Abstract 1931, Table 750

Yearly average or year	Pig iron and ferro-alloys			Steel ingots and castings, production	Year	Pig iron and ferro-alloys			Steel ingots and castings, production
	Production	Exports of domestic	Imports			Production	Exports of domestic	Imports	
1871–1875	2,248,293	7,412	137,591	[1]389,799	1916	39,434,797	607,236	135,349	42,773,680
1876–1880	2,562,763	3,407	276,600	803,479	1917	38,621,216	656,220	76,786	45,060,607
1881–1885	4,301,096	5,311	325,290	1,652,268	1918	39,054,644	269,575	34,711	44,462,432
1886–1890	7,079,312	12,407	229,970	3,292,763	1919	31,015,304	321,261	101,665	34,671,232
1891–1895	8,133,013	22,983	54,778	4,675,736	1920	36,925,987	216,828	185,944	42,132,934
1896–1900	11,491,937	224,268	34,308	8,439,938	1921	16,638,126	28,405	44,842	19,783,797
1901–1905	18,239,665	45,465	314,765	15,367,931	1922	27,219,904	33,332	498,059	35,602,926
1906	25,307,191	83,317	379,828	23,398,136	1923	40,361,146	37,559	474,723	44,943,696
1907	25,781,361	73,703	489,475	23,362,594	1924	31,405,790	45,818	276,966	37,931,939
1908	15,936,018	46,696	92,202	14,023,247	1925	36,700,566	39,907	516,948	45,393,524
1909	25,795,471	61,989	176,442	23,955,021	1926	39,372,729	28,606	514,288	48,293,763
1910	27,303,567	127,385	237,233	26,094,919	1927	36,565,645	55,899	175,529	44,935,185
1911	23,649,547	120,799	148,459	23,676,106	1928	38,155,714	96,743	194,636	51,544,180
1912	29,726,937	272,676	129,325	31,251,303	1929	42,613,983	53,749	223,680	56,433,473
1913	30,966,152	277,648	156,450	31,300,874	1930	31,752,169	25,344	182,446	40,699,483
1914	23,332,244	114,423	139,683	23,513,030	1931	18,426,354	15,429	103,540	25,945,501
1915	29,916,213	224,509	89,836	32,151,036					

[1] 1875 only.

No. 693.—PRODUCTION OF ROLLED AND MISCELLANEOUS STEEL PRODUCTS

NOTE.—**In thousands of long tons (2,240 pounds) unless otherwise specified.** Blank spaces indicate figures not available. The miscellaneous products, except cast-iron pipe, are for the most part further elaborations of the rolled products listed above

	1905	1910	1915	1920	1925	1929	1930	1931
Rolled products, total	16,840	21,621	24,393	32,348	33,337	41,069	29,513	19,176
Rails	3,376	3,636	2,204	2,604	2,785	2,722	1,873	1,158
Bessemer	3,192	1,884	327	143	10	3	2	1
Open hearth	183	1,751	1,775	2,334	2,692	2,662	1,835	1,136
Rerolled			102	127	84	56	36	21
Sheets and plates	3,532	4,955	6,078	9,338	9,803	12,436	9,067	6,040
Universal			955	1,250	1,196	1,425	1,041	615
Sheared			1,923	3,505	2,557	3,597	2,622	1,351
Black sheets [1]			1,837	2,886	4,097	5,255	3,512	2,538
Black plates for tinning			1,093	1,449	1,632	1,699	1,692	1,431
Other black-plate specialties			270	247	325	461	201	104
Wire rods	1,809	2,242	3,096	3,137	2,845	3,134	2,349	1,845
Structural shapes	1,661	[2] 2,267	2,437	3,307	3,604	4,778	3,512	2,063
Merchant bars	3,594	3,786	4,131	6,130	5,659	6,471	4,138	2,444
Skelp	1,436	1,828	2,299	3,220	3,230	3,517	2,682	1,499
Hoops	446	262	282	333	205	204	80	56
Bands and cotton ties		425	438	389	356	385	46	57
Splice and fish-plate bars			536	576	823	925	606	360
Rolled forging blooms, billets, etc.	42	460	651	447	345	527	304	115
Bars for reinforced concrete work	946	241	353	572	820	952	850	644
Hot-rolled strips and flats for cold rolling						2,503	1,941	1,621
Blanks or pierced billets for seamless tubes		1,519	1,888	2,294	2,908	1,382	1,248	733
All other rolled products						1,132	814	511
Miscellaneous products:								
Tin plate (million pounds)		1,450	2,202	3,080	3,459	4,068	3,719	3,119
Terneplates (million pounds)		168	163	158	255	341	231	149
Galvanized sheets (million pounds)			1,582	1,871	2,539	3,084	2,341	1,707
Galvanized formed products (million pounds)			112	144	178	178	146	112
Wire nails (thousands of kegs [3])	10,855	12,705	14,583	16,450	15,454	13,101	9,561	7,565
Cut nails (thousands of kegs [3])	1,358	1,005	775	845	736	534	460	317
Wrought pipe, incl. boiler tubes			1,920	3,003	3,031	3,019	2,247	1,121
Boiler tubes			97	119	63	62	31	17
Seamless steel tubes			140	292	568	1,303	1,194	717
Cast-iron pipe (1,000 short tons) [4]			1,215	887	1,925	1,651	1,436	1,129
Forgings made by rolling mills		320	524	540	388	586	476	173

[1] Rolled on sheet or jobbing mills.
[2] Small structural forms not included.
[3] Of 100 pounds.
[4] Of 2,000 pounds.

Source of Tables 692 and 693: American Iron and Steel Institute.

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No. 694.—PRODUCTION, EXPORTS, AND IMPORTS OF FINISHED ROLLED IRON AND STEEL

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Yearly average or year (calendar year)	Total production, finished rolled products	Rails			Plates and sheets			Merchant[1] bar production
		Production	Exports	Imports	Production	Exports	Imports	
1876–1880		911,095	4,441	59,851				
1881–1885		1,273,688	3,986	116,972				
1886–1890	[2] 5,278,214	1,710,278	7,275	49,775	[2] 684,914		8,013	
1891–1895	5,472,849	1,264,677	13,650	1,047	755,818	1,510	23,894	
1896–1900	8,162,560	1,881,905	232,518	2,399	1,463,879	30,995	4,771	
1901–1905	13,670,907	2,895,138	225,746	43,207	2,694,625	39,505	6,167	[3] 3,593,601
1906–1910	18,509,490	3,238,486	303,234	3,963	4,054,102	158,591	4,096	3,479,910
1911	19,039,171	2,822,790	420,874	3,414	4,488,049	372,373	2,453	3,306,103
1912	24,656,841	3,327,915	446,473	3,780	5,875,080	546,521	3,299	3,971,446
1913	24,791,243	3,502,780	460,553	10,408	5,751,037	463,426	2,893	4,277,279
1914	18,370,196	1,945,095	174,680	22,571	4,719,246	280,095	4,310	2,812,102
1915	24,392,924	2,204,203	391,379	78,525	6,077,694	419,604	1,420	4,484,650
1916	32,380,389	2,854,518	540,828	26,299	7,453,980	515,558	1,730	6,691,702
1917	33,067,700	2,944,161	512,669	9,263	8,267,616	851,529	1,748	6,681,141
1918	31,155,754	2,540,892	453,537	8,705	8,799,135	854,136	1,517	6,587,369
1919	25,101,544	2,203,843	652,443	17,008	7,372,814	1,042,697	1,095	4,810,645
1920	32,347,863	2,604,116	594,628	45,684	9,337,680	1,273,558	1,792	6,702,685
1921	14,774,006	2,178,818	321,822	22,048	4,260,574	607,370	1,976	1,792,982
1922	26,452,004	2,171,776	277,090	26,629	7,968,397	439,417	[4] 1,947	4,554,474
1923	33,277,076	2,904,516	267,409	29,706	9,497,717	386,405	[4] 4,572	6,233,663
1924	28,086,435	2,433,332	208,496	43,358	8,087,883	360,540	[4] 6,066	4,937,043
1925	33,386,060	2,785,257	151,690	36,872	9,807,659	386,912	[4] 4,480	6,478,902
1926	35,495,892	3,217,649	187,557	55,212	10,529,056	517,611	[4] 15,616	6,289,665
1927	32,879,031	2,806,486	177,593	15,455	9,627,734	468,511	[4] 19,760	5,686,260
1928	37,662,916	2,647,493	190,925	14,019	11,006,050	522,657	[4] 30,800	7,229,723
1929	41,069,416	2,722,138	146,060	6,236	12,436,312	540,896	[4] 28,461	7,423,496
1930	29,513,007	1,873,233	95,179	8,307	9,067,366	346,853	[4] 28,486	4,988,515
1931	19,175,894	1,157,751	33,108	5,007	6,039,581	192,830	[4] 16,907	3,088,028

Yearly average or year (calendar year)	Skelp, flue, and pipe production	Wire rods			Structural shapes			All other finished rolled production
		Production	Exports	Imports	Production	Exports	Imports	
1891–1895		633,248		34,804	[5] 429,872			2,475,209
1896–1900		909,819	[6] 16,182	18,087	689,419	[6] 48,877		3,217,538
1901–1905	[3] 1,435,995	1,590,280	16,345	18,390	1,203,791	55,651	[7] 12,886	1,263,396
1906–1910	1,668,674	2,056,732	13,403	15,400	1,936,951	121,086	11,107	2,074,634
1911	1,980,673	2,450,453	22,641	15,483	[8] 1,912,367	223,493	5,343	2,078,736
1912	2,446,816	2,653,553	64,978	15,069	2,846,487	288,164	3,120	3,535,544
1913	2,501,964	2,464,807	61,637	16,098	3,004,972	403,264	11,659	3,288,404
1914	1,982,431	2,431,714	61,856	6,954	2,031,124	182,395	10,145	2,448,484
1915	2,299,464	3,095,907	165,014	5,317	2,437,003	232,139	1,494	3,794,003
1916	2,927,674	3,518,746	158,284	4,130	3,029,964	300,594	1,473	5,903,805
1917	2,674,231	3,137,138	181,941	1,060	3,110,000	294,150	6,216	6,253,413
1918	2,564,011	2,562,390	148,523	7,677	2,849,969	232,729	3,504	5,251,988
1919	2,555,778	2,538,476	118,010	342	2,614,036	360,787	1,154	3,005,952
1920	3,220,289	3,136,907	116,775	5,488	3,306,748	493,633	1,685	4,039,438
1921	1,930,575	1,564,330	18,953	917	1,272,624	297,022	777	1,774,103
1922	2,872,215	2,654,741	40,424	1,735	2,718,768	167,585	7,823	3,511,633
1923	3,734,336	3,075,892	40,868	3,948	3,405,197	199,021	10,674	4,425,755
1924	3,170,543	2,522,545	18,762	6,851	3,283,708	167,910	43,245	3,651,381
1925	3,229,768	2,844,656	21,207	7,988	3,604,130	169,252	77,291	4,636,588
1926	3,764,550	2,722,032	19,646	10,075	3,911,663	233,059	121,100	5,061,277
1927	3,418,852	2,770,271	16,127	17,988	3,742,445	215,226	161,849	4,826,983
1928	3,368,973	3,080,816	38,619	19,298	4,096,143	296,885	163,762	6,233,718
1929	3,517,238	3,134,409	42,250	15,653	4,778,020	399,837	148,223	7,057,803
1930	2,682,046	2,348,600	39,779	8,843	3,512,473	243,840	120,333	5,040,774
1931	1,499,280	1,844,620	32,125	7,114	2,062,858	121,725	72,329	3,483,776

[1] Includes concrete reinforcing bars.
[2] Average for years 1887–1890.
[3] 1905 only; data not available for earlier years.
[4] Includes skelp.
[5] Average for years 1892–1895.
[6] Average for period July 1, 1897, to Dec. 31, 1900.
[7] Average for period July 1, 1903, to Dec. 31, 1905.
[8] Small structural forms not included.

Source: American Iron and Steel Institute (exports and imports compiled from Government statistics).

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No. 695.—PRODUCTS OF STEEL WORKS AND ROLLING MILLS AND OF THE WIRE, TIN-PLATE, AND CAST-IRON PIPE INDUSTRIES

NOTE.—The overlapping of the industries shown in this table results in considerable duplication in tonnages shown. The products chiefly used further in manufacture are wire rods, plates, and sheets, black plates for tinning, and skelp. The figures under "Wire," "Tin and terneplate," and "Cast-iron pipe and fittings" include data for products of these departments of steel works and rolling mills and of all other industries producing these commodities. For more detailed statistics, see Census reports for these industries

Industry and product	Unit	Quantity in thousands of unit specified			Value in thousands of dollars		
		1925	1927	1929	1925	1927	1929
STEEL WORKS AND ROLLING MILLS							
All products, total value					2,946,068	2,779,840	3,365,789
Unrolled steel, total	Ton [1]	45,119	44,757	56,161			
Ingots—							
For sale and interplant transfer	do	535	437	661	16,360	12,679	17,150
Produced and consumed in works	do	43,576	43,337	54,133			
Direct steel castings—							
For sale and interplant transfer	do	938	888	[2] 1,212	144,415	145,085	[2] 191,398
Produced and consumed in works	do	70	95	[2] 156			
Semifinished rolled products, for sale and interplant transfer, total.	do	11,388	10,307	12,779	405,412	346,051	421,328
Blooms, billets, and slabs, except for forging.	do	6,831	6,162	7,362	243,605	205,908	244,792
Rolled blooms and billets for forging	do	153	113	269	7,283	4,690	10,327
Sheet and tin-plate bars	do	4,351	3,985	5,062	151,755	133,094	162,316
Muck and scrap bar	do	53	47	86	2,768	2,359	3,893
Finished rolled products and forgings, total.	do	32,647	32,154	39,883			
Produced and consumed in works	do	8,145	8,416	9,532			
For sale and interplant transfer	do	24,502	23,738	30,351	1,373,049	1,251,788	1,604,833
Rails	do	2,693	2,703	2,666	114,334	114,565	113,925
Rail joints, fastenings, tie plates, etc.	do	815	893	872	46,724	50,394	47,761
Structural shapes (not fabricated)	do	3,413	3,502	4,469	154,814	148,339	188,898
Concrete reinforcing bars	do	709	783	972	35,078	35,410	42,417
Merchant bars, mill shafting, etc.[3]—							
Steel	do	4,933	4,249	6,228	301,604	240,469	358,601
Iron	do	255	202	187	16,896	13,582	13,284
Bolt and nut rods, spike and chain rods, etc.	do	63	95	121	3,312	4,381	5,683
Wire rods	do	1,105	1,024	1,155	54,714	46,059	49,042
Plates No. 12 and thicker	do	3,862	3,781	5,218	180,668	164,513	228,236
Sheets No. 13 and thinner	do	2,914	2,982	4,041	234,438	227,683	306,936
Skelp	do	1,280	1,241	1,271	54,431	50,605	50,121
Hot-rolled strips for cold rolling [3]	do	1,435	1,265	479	86,048	66,351	21,347
Other strips and cotton ties	do			1,566			75,626
Axles	do	135	119	150	11,387	10,737	12,039
Armor plate and ordnance	do	1	8	10	424	2,614	3,287
Car and locomotive wheels	do	147	155	209	15,345	15,197	19,352
All other rolled and forged products [4]	do	742	736	732	62,833	60,891	68,278
Scrap iron and steel, for sale and interplant transfer.	do	2,219	2,448	2,830	37,627	35,750	42,101
Cinder and scale	do		657	1,194	969,205	988,487	2,731
All other (including value added to rolled products by further manufacture).	do						1,086,248
WIRE AND WIRE PRODUCTS (ALL METALS)							
All industries, total value					702,039	697,684	819,983
Iron and steel wire:							
Plain wire, total [5]	Ton [6]	2,963	2,865	3,097			
For sale and interplant transfer	do	906	907	1,204	71,842	67,619	88,456
Produced and consumed in works	do	2,057	1,958	1,891			
Galvanized wire: For sale and interplant transfer.	do	249	250	269	17,246	17,035	19,656
Other coated wire: For sale and interplant transfer.	do	42	45	52	5,198	6,368	8,143
Cold-rolled flat wire: For sale and interplant transfer.[7]	do	151	150	29	18,859	18,544	4,256
Copper wire:							
For sale and interplant transfer	Lb	504,429	191,819	544,740	85,507	77,090	118,628
Produced and consumed in works	do	(8)	294,745	407,996			
Drawn on contract or custom basis from rods or bars furnished by others.	do	(8)	(8)	151,761			

For footnotes see p. 700.

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No. 695.—Products of Steel Works and Rolling Mills, and of the Wire, Tin-Plate, and Cast-Iron Pipe Industries—Continued

Industry and product	Unit	Quantity in thousands of unit specified			Value in thousands of dollars		
		1925	1927	1929	1925	1927	1929
WIRE AND WIRE PRODUCTS (ALL METALS)—continued							
Brass wire:							
For sale and interplant transfer	Lb	64,139	60,844	85,100	12,228	11,693	19,575
Produced and consumed in works	do	(8)	3,086	2,689			
Other metal wire:							
For sale and interplant transfer	do	45,589	34,117	50,192	13,682	12,009	24,347
Produced and consumed in works	do	(8)	7,209	2,912			
Fabricated wire products for sale:							
Iron and steel—							
Nails, brads, and spikes	Keg [9]	15,977	14,819	13,601	53,623	48,002	44,935
Tacks [10]	Lb	7,350	7,135	6,540	809	690	640
Staples	do	53,427	49,379	58,879	1,853	1,596	2,342
Barbed wire	Ton [6]	248	202	222	16,659	12,973	13,824
Rope or cable, except insulated	do	(8)	(8)	153	46,684	46,916	46,877
Strand, galvanized	do	(8)	(8)	49			5,618
Poultry netting	do	(8)	(8)	47	41,969	40,011	7,536
Woven wire fence, except poultry netting.	do	(8)	(8)	366			31,041
Fly screening	Lb	(8)	(8)	64,728	24,189	23,396	9,942
Other wire cloth							6,555
Other woven wire	Ton [6]	(8)	(8)	139			11,786
Automobile skid chains					(11)	(11)	11,491
Bale ties	Lb	(8)	(8)	148,474	57,753	4,580	5,088
Wire springs						32,187	47,903
Other fabricated iron and steel wire products.		(8)	(8)			41,868	42,872
Nonferrous-wire products—							
Fly screening—							
Copper	Lb	(8)	(8)	4,993	(8)	8,796	1,768
Other metals	do	(8)	(8)	10,211	(8)		3,336
Fourdrinier and cylinder wire cloth.	do	(8)	(8)	3,108	(8)		4,765
Other wire cloth—							
Copper	do	(8)	(8)	1,168	(8)		588
Other metals	do	(8)	(8)	1,450	(8)		683
Copper strand, except insulated	do	(8)	(8)	92,395	(8)	(8)	18,617
Other fabricated nonferrous wire products, except insulated wire.					(8)	(8)	6,125
Insulated wire and cable					210,617	210,048	312,592
TIN PLATE AND TERNEPLATE							
All products, total value					190,918	193,894	213,084
Tin plate	Lb	3,480,401	3,560,417	4,031,856	179,382	180,410	194,107
Terneplate	do	181,436	193,057	345,592	9,229	10,017	15,568
All other products					2,307	3,468	3,409
CAST-IRON PIPE AND FITTINGS							
All industries, total value					(12)	(12)	85,890
Reported with quantity	Ton [6]	(12)	(12)	1,736	(12)	(12)	78,296
Reported without quantity					(12)	(12)	7,594

[1] Of 2,240 pounds.
[2] In addition, 33,550 tons of steel castings, valued at $6,635,760, were produced for sale by establishments classified in other industries; and 53,980 tons were reported as produced and consumed in the same works in further manufacture by establishments in the "Foundry and machine-shop products, not elsewhere classified" industry. Steel castings are also produced and consumed in further manufacture to some extent in other industries, but no data in regard to such production are collected.
[3] Includes a considerable tonnage of cold-rolled steel for 1925, but none for 1927 and 1929.
[4] Includes "nail and tack plate" not shown separately to avoid disclosing data for individual operations.
[5] All iron and steel wire, including that subsequently galvanized, otherwise coated, and cold rolled.
[6] Of 2,000 pounds.
[7] Figures for 1925 and 1927 include all cold-rolled wire; for 1929, only wire cold rolled from drawn wire.
[8] No comparable data.
[9] Of 100 pounds.
[10] Not including value of tacks made from tack plate.
[11] Included in "Other fabricated iron and steel wire products" for years 1925 and 1927.
[12] No strictly comparable figures for earlier years are available.

Source: Bureau of the Census, Department of Commerce.

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No. 696.—PRODUCTION OF STEEL INGOTS AND CASTINGS, BY GRADES

NOTE.—In long tons (2,240 pounds). Blank spaces indicate that figures are not available

Year	Total	Bessemer	Open hearth			Crucible	Electric	Miscellaneous
			Total	Basic	Acid			
1890	4,277,071	3,688,871	513,232			71,175		3,793
1900	10,188,329	6,684,770	3,398,135	2,545,091	853,044	100,562		4,862
1905	20,023,947	10,941,375	8,971,376	7,815,728	1,155,648	102,233		8,963
1910	26,094,919	9,412,772	16,504,509	15,292,329	1,212,180	122,303	52,141	3,194
1915	32,151,036	8,287,213	23,679,102	22,308,725	1,370,377	113,782	69,412	1,527
1920	42,132,934	8,883,087	32,671,895	31,375,723	1,296,172	72,265	502,152	3,535
1925	45,393,524	6,723,962	38,034,488	37,087,342	947,146	19,562	615,512	
1928	51,544,180	6,620,195	44,113,956	43,200,483	913,473	7,769	802,260	
1929	56,433,473	7,122,509	48,352,388	47,232,419	1,120,469	6,645	951,431	
1930	40,699,483	5,035,459	35,049,172	34,268,316	780,856	2,253	612,599	
1931	25,945,501	3,023,446	22,509,566	22,130,398	379,168	1,547	410,942	

No. 697.—BLAST FURNACES AND STEEL MILLS: CENSUS STATISTICS

NOTE.—The scope of the industry "Steel works and rolling mills" is indicated by Table 695

Year	Number of establishments	Wage earners (average number)	Wages	Value of products [1]	Value added by manufacture [2]	Primary horsepower
			Thousands of dollars			
1879	792	[3] 140,798	[3] 55,451	296,558	105,287	[4]
1889	719	171,181	89,273	478,688	151,415	784,358
1899	668	222,490	120,820	803,968	281,569	1,597,816
1909	654	278,505	187,807	1,377,152	399,013	3,274,285
1914	587	278,072	210,923	1,236,319	380,913	3,925,869
1919	695	416,748	711,407	3,623,369	1,321,507	5,399,574
1921	628	254,213	354,357	1,901,431	535,256	[4]
1923	658	424,913	696,761	4,161,938	1,289,910	5,999,941
1925	595	399,914	660,297	3,711,354	1,281,976	6,143,927
1927	602	389,270	645,534	3,488,744	1,219,534	6,781,058
1929	591	419,534	730,974	4,137,214	1,622,837	7,532,530
Blast furnaces:						
1927	116	27,958	44,258	708,904	129,349	[5]
1929	105	24,960	41,959	771,425	161,132	[5]
Steel works and rolling mills:						
1927	486	361,312	601,275	2,779,840	1,090,185	[5] 6,781,058
1929	486	394,574	689,016	3,365,789	1,461,706	[5] 7,532,530

[1] Includes much duplication. [2] Value of products less cost of materials.
[3] Returns were not secured for number of salaried employees and it is probable that "wages" included amounts paid for salaries, and "wage earners" may have included some salaried employees.
[4] No data.
[5] Blast furnace data are included with steel works and rolling mills.

No. 698.—AGGREGATE DOMESTIC EXPORTS OF HEAVY IRON AND STEEL

NOTE.—Prior to 1922, the small items for which quantity is not available are excluded, while in later years all items are included. Ferromanganese is included for all years. The small item "steam and hot water heating boilers and radiators," formerly classified as heavy iron and steel, is excluded beginning 1922

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Year	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1890	52		1910	1,538	63,436	1922	1,995	136,334
1895	89		1911	2,188	86,599	1923	2,010	167,247
1900	1,154	42,518	1912	2,948	112,535	1924	1,806	150,494
1901	701	29,050	1913	2,746	108,875	1925	1,763	144,262
1902	372	15,889	1914	1,550	63,409	1926	2,167	174,145
1903	327	14,533	1915	3,533	140,993	1927	2,183	160,609
1904	1,168	35,248	1916	6,101	353,971	1928	2,865	179,881
1905	1,010	33,813	1917	6,439	567,041	1929	3,038	200,203
1906	1,326	52,215	1918	5,375	558,279	1930	1,983	139,039
1907	1,302	60,046	1919	4,400	410,164	1931	969	63,226
1908	964	43,397	1920	4,935	458,376			
1909	1,244	50,777	1921	2,213	214,830			

Sources: Table 696, American Iron and Steel Institute; Table 697, Bureau of the Census, Department of Commerce; Table 698, Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 699.—EXPORTS OF HEAVY IRON AND STEEL PRODUCTS

NOTE.—This and Tables 698 and 700 exclude the highly elaborated manufactures of iron and steel

Articles	Quantity in long tons (2,240 pounds)				Value in thousands of dollars			
	1928	1929	1930	1931	1928	1929	1930	1931
Total	2,865,103	3,037,857	1,982,546	968,645	179,881	200,203	139,039	63,226
Pig iron, not including ferro-alloys	84,682	46,357	13,671	6,719	1,367	830	292	151
Ferromanganese and spiegeleisen	9,440	1,574	6,189	1,306	233	59	146	39
Scrap	516,139	557,044	358,649	136,125	6,615	7,748	5,562	1,957
Ingots, blooms, billets, sheet bars, and skelp	161,855	173,665	136,916	64,461	6,617	7,007	5,926	2,701
Iron bars	6,229	5,074	1,823	1,016	492	333	150	96
Steel bars	158,475	183,894	81,090	42,512	9,114	10,170	4,680	2,329
Alloy steel bars	14,079	15,743	6,668	2,968	1,487	1,660	911	499
Wire rods	38,617	42,251	39,777	32,125	1,734	2,012	1,876	1,297
Galvanized sheets	152,280	151,510	93,490	51,523	14,664	14,759	8,798	4,294
Plates, iron and steel	166,269	193,695	98,339	42,472	8,400	10,018	4,858	1,911
Black steel sheets	179,286	173,602	137,918	91,788	13,567	14,307	10,343	6,918
Black iron sheets	16,289	15,855	11,482	5,526	1,634	1,597	1,097	447
Hoop, band, and strip steel	58,080	70,864	39,316	28,229	3,979	5,136	2,673	1,834
Tin plate, terneplate, etc	249,642	258,965	216,513	84,433	26,346	28,566	24,202	7,841
Structural shapes, plain material	202,804	288,513	140,415	88,710	8,754	12,684	6,234	3,437
Structural materials, fabricated	92,758	112,099	103,471	32,135	8,112	9,665	9,146	2,769
Tanks, complete and knocked down			20,490	12,432			2,387	1,132
Metal lath	5,358	5,452	5,578	2,410	830	816	848	350
Steel rails	190,905	146,060	95,179	33,108	6,926	5,332	3,580	1,289
Rail fastenings, switches, frogs, etc	41,995	32,597	19,517	8,093	3,483	3,223	2,133	877
Boiler tubes	18,749	19,506	14,685	7,071	2,301	2,494	2,005	886
Casing and oil-line pipe	119,785	113,584	62,104	21,975	11,399	11,861	6,708	2,469
Black and galvanized welded pipe	110,361	145,186	93,400	60,437	9,627	13,267	9,069	5,178
Cast-iron pipe and fittings	33,979	46,919	31,474	21,184	3,350	5,036	3,667	1,661
Malleable-iron screwed pipe fittings	10,034	12,534	10,743	4,509	2,857	3,927	3,413	1,401
Barbed-wire and woven-wire fencing	74,335	64,478	39,118	24,105	5,015	4,445	2,539	1,331
Plain and galvanized wire	46,177	45,505	26,463	14,163	3,467	3,654	2,069	1,044
Woven-wire screen cloth	1,884	1,667	1,583	866	626	669	558	298
Wire rope	5,367	6,958	4,536	2,499	1,578	1,907	1,254	666
Insulated wire and cable	640	1,076	530	298	217	397	216	108
Wire, other, and manufactures thereof	9,812	10,382	7,468	4,640	2,145	2,446	1,677	997
Wire nails	14,547	12,987	8,472	8,838	956	864	536	485
Nails other than wire, including tacks	9,892	10,256	5,867	3,816	1,684	1,784	1,056	608
Horseshoes	468	441	180	152	73	69	32	21
Bolts, nuts, rivets, and washers [1]	13,278	16,235	10,131	4,861	2,537	3,145	2,093	1,049
Car wheels and axles	17,139	21,459	14,841	6,317	1,309	1,560	1,140	430
Iron castings	12,061	10,976	6,613	4,326	1,518	1,573	1,458	689
Steel castings	9,710	10,824	9,380	3,104	2,551	2,975	2,280	743
Forgings	11,703	12,070	8,467	7,393	2,308	2,207	1,420	997

[1] Except track.

No. 700.—IRON AND STEEL: EXPORTS BY DESTINATIONS

NOTE.—**All figures in long tons (2,240 pounds).** Products covered are those listed in Table 699

Country	1929	1930	1931	Country	1929	1930	1931
Belgium	2,689	7,960	2,749	Brazil	71,864	37,720	22,650
France	18,104	7,153	8,931	Chile	67,941	81,983	24,178
Germany	21,991	8,325	1,094	Colombia	41,016	24,087	12,040
Italy	111,857	44,750	6,231	Ecuador	3,844	4,895	1,519
Netherlands	3,094	3,032	2,031	Peru	35,674	16,520	14,484
Norway	5,293	6,914	3,439	Uruguay	11,112	20,334	7,271
Spain	13,948	11,335	179	Venezuela	67,851	37,624	10,370
U. S. S. R. (Russia) in Europe	14,377	10,892	2,708	India and Ceylon	21,661	24,787	11,605
United Kingdom	66,371	44,878	40,476	British Malaya	8,174	6,073	2,318
Canada	1,234,861	820,116	420,599	China	69,246	38,879	38,324
Central America	52,943	35,189	24,409	Netherland East Indies	61,115	41,041	9,099
Mexico	104,913	83,433	44,095	Hong Kong	7,131	7,062	7,998
British West Indies	18,049	12,253	4,285	Japan	426,974	276,740	98,886
Cuba	67,882	41,628	15,999	Kwantung	11,709	9,686	1,360
Dominican Republic	4,887	3,791	1,955	Philippine Islands	103,180	69,696	52,452
Netherland West Indies	17,672	11,109	2,397	Australia	22,101	9,643	1,983
Argentina	94,280	58,618	40,101	New Zealand	5,271	3,069	875
				British South Africa	8,131	5,308	4,523
				All other	140,651	56,023	25,032

Source of Tables 699 and 700: Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 701.—IRON AND STEEL: AVERAGE ANNUAL PRICES

[Prices of pig iron, rails, and billets in dollars per long ton (2,240 pounds); other prices in dollars per 100 pounds]

Year	Pig iron				Bessemer rails at mills in Pennsylvania [2]	Bessemer steel billets, Pittsburgh	Soft-steel bars, Pittsburgh	Iron bars (best refined), Pittsburgh [3]	Tank plates, Pittsburgh	Beams, Pittsburgh	Composite finished steel
	Bessemer, Pittsburgh	Basic, The Valleys	Southern, No. 2, Cincinnati	Local, No. 2, Chicago [1]							
1891–1895	13.46	.....	11.74	12.80	27.27	20.89	.....	1.46	.....	.....	.....
1896–1900	14.22	.....	12.56	14.30	24.96	21.08	[4] 1.46	1.50	1.61	[4] 1.63	.....
1901	15.93	.....	13.61	15.38	27.33	24.13	1.42	1.80	1.55	1.58	.....
1902	20.67	.....	20.00	20.86	28.00	30.57	1.58	1.94	1.70	1.81	.....
1903	18.98	.....	17.08	19.25	28.00	27.91	1.56	1.77	1.61	1.62	.....
1904	13.76	.....	12.73	14.37	28.00	22.18	1.33	1.48	1.54	1.54	1.71
1905	16.36	15.25	15.57	17.65	28.00	24.03	1.48	1.87	1.58	1.62	1.76
1906	19.54	18.10	18.37	20.43	28.00	27.45	1.51	1.93	1.61	1.70	1.77
1907	22.84	20.87	23.10	24.50	28.00	29.25	1.60	1.94	1.70	1.70	1.92
1908	17.07	15.16	15.54	17.57	28.00	26.31	1.49	1.60	1.64	1.64	1.86
1909	17.41	15.48	16.12	17.40	28.00	24.62	1.33	1.62	1.42	1.42	1.63
1910	17.19	14.76	15.16	17.09	28.00	25.38	1.44	1.65	1.47	1.45	1.66
1911	15.71	13.07	13.67	14.83	28.00	21.46	1.26	1.41	1.31	1.32	1.54
1912	15.94	13.92	14.93	15.32	28.00	22.38	1.29	1.44	1.33	1.32	1.53
1913	17.13	14.71	14.90	15.85	28.00	25.79	1.55	1.69	1.50	1.50	1.66
1914	14.89	12.87	13.41	13.60	28.00	20.09	1.15	1.32	1.14	1.15	1.43
1915	15.78	13.74	13.57	14.01	28.00	22.44	1.31	1.48	1.31	1.30	1.53
1916	23.86	19.76	18.67	20.26	32.00	43.95	2.67	2.13	3.53	2.55	2.67
1917	43.64	38.90	38.95	41.31	38.00	70.96	3.64	3.83	5.88	3.67	4.19
1918	36.67	32.50	36.56	33.25	55.00	47.33	2.89	4.31	3.24	2.99	3.54
1919	31.12	27.67	32.17	29.11	47.29	40.54	2.49	4.10	2.72	2.53	3.12
1920	44.44	42.25	44.52	42.52	52.42	56.14	3.22	4.75	3.28	2.95	3.68
1921	25.34	21.73	26.68	22.93	44.06	34.46	1.87	4.47	1.93	1.93	2.53
1922	27.58	24.20	23.95	24.85	40.75	33.95	1.72	3.35	1.72	1.71	2.22
1923	28.97	25.80	27.85	28.16	43.00	41.70	2.36	3.50	2.43	2.43	2.74
1924	23.29	20.24	23.92	22.11	43.00	37.99	2.20	4.00	2.12	2.19	2.61
1925	22.33	19.58	23.85	22.09	43.00	35.45	2.02	4.52	1.92	1.99	2.47
1926	21.32	18.55	24.71	21.64	43.00	35.00	2.00	4.62	1.88	1.95	2.44
1927	20.43	17.69	21.16	19.68	43.00	33.27	1.83	4.68	1.82	1.83	2.36
1928	19.22	16.67	19.70	18.54	43.00	32.67	1.87	4.64	1.87	1.87	2.35
1929	20.54	18.19	18.49	20.00	43.00	34.66	1.92	4.13	1.93	[5] 1.92	2.39
1930	20.27	17.97	16.19	18.47	43.00	31.84	1.71	4.11	1.69	[5] 1.69	2.21
1931	18.70	15.85	14.52	17.35	43.00	29.36	1.63	3.69	1.62	[5] 1.62	2.12

[1] At furnace after 1907.
[2] Bessemer or open-hearth rails from Oct. 22, 1921.
[3] Muck iron prior to 1892.
[4] Average for years 1898–1900.
[5] Structural shapes from March 19, 1929.

No. 702.—ALUMINUM AND BAUXITE: PRODUCTION, EXPORTS, AND IMPORTS

	1913	1920	1925	1928	1929	1930	1931
BAUXITE							
Quantities, long tons (2,240 pounds):							
Production	210,241	521,308	316,540	375,426	365,777	330,612	195,895
Georgia, Alabama, and Tennessee	40,370	40,029	20,220	14,190	14,723	15,339	9,198
Arkansas	169,871	481,279	296,320	361,236	351,054	315,273	186,697
Imports for consumption	21,456	42,895	353,696	350,111	380,812	409,678	306,490
Exports	[1]	22,257	78,633	112,984	133,551	104,504	88,370
Value of production [2] (1,000 dollars)	998	3,247	1,988	2,274	2,266	1,928	1,141
ALUMINUM							
Value, 1,000 dollars:							
Production—							
Primary metal	9,450	41,375	36,430	47,899	51,864	50,961	37,284
Secondary metal	2,199	9,489	24,816	22,848	23,135	17,177	[1]
Imports for consumption, total	4,784	13,077	10,107	8,873	10,860	5,286	3,211
Crude and semicrude	4,388	12,184	9,806	8,057	9,935	4,690	2,540
Manufactures	396	893	301	816	925	596	671
Exports, total	966	5,631	6,057	6,891	7,971	7,122	2,855
Crude and semicrude	.....	3,068	3,366	3,759	4,150	3,916	986
Manufactures	.....	2,563	2,691	3,133	3,822	3,206	1,869
Quantities, 1,000 pounds:							
Imports (crude and semicrude)	25,095	39,299	41,997	38,847	50,881	25,461	14,833
Exports (crude and semicrude)	[1]	9,408	12,642	15,728	17,032	17,330	4,701

[1] Unavailable.
[2] F. o. b mines.

Sources: Table 701, Iron Age and American Iron and Steel Institute; Table 702, Bureau of Mines, Department of Commerce.

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No. 703.—COPPER: Production, Exports, Imports, and Consumption

NOTE.—All quantities except ore produced in millions and tenths of millions of pounds. Production figures include continental United States and Alaska. Owing to the varying stages of production, the stocks in different classes of hands, the redistribution of copper previously purchased, the recovery and use of old copper, etc., calculations of consumption are somewhat uncertain. The American Bureau of Metal Statistics presents consumption estimates rather widely different from those given below. Consumption as shown represents the quantity of copper withdrawn on domestic account, but not actual domestic consumption, as no account is taken of consumers' stocks

Item	1910	1915	1920	1925	1928	1929	1930	1931
UNREFINED COPPER								
Ore produced (million short tons) [1]	28.5	43.4	36.8	53.1	62.1	68.4	47.4	(2)
Average copper yield, per cent	1.88	1.66	1.63	1.54	1.41	1.41	1.41	(2)
Smelter output from domestic ore	1,080.2	1,388.0	1,209.1	1,674.9	1,825.9	2,002.9	1,394.4	1,042.7
Mine production	1,088.2	1,488.1	1,224.6	1,678.1	1,809.8	1,995.1	1,410.1	(2)
Imports, unrefined:								
Ore (copper content)	64.2	92.1	52.0	107.6	106.2	124.6	101.3	23.6
Concentrates (copper content)	21.0	22.3	46.8	54.0	39.5	53.7	56.9	99.4
Matte and regulus (copper content)			17.6	1.7	2.6	2.1	4.7	1.5
Black, in bars, pigs, etc	[3] 259.2	[3] 193.8	244.7	379.3	543.2	646.2	560.5	281.9
REFINED COPPER PRODUCTION								
Total new and old copper	1,611.0	2,027.0	2,151.0	3,045.0	3,560.0	3,993.0	3,091.0	2,195.0
New copper (primary)	1,422.0	1,634.2	1,526.2	2,204.6	2,487.6	2,740.1	2,157.1	1,501.4
Domestic	1,071.9	1,387.7	1,182.4	1,682.9	1,791.8	1,982.7	1,391.2	1,074.6
Foreign	350.1	246.5	343.7	521.7	695.8	757.4	765.8	426.8
Electrolytic	1,128.3	1,360.8	1,351.7	2,050.6	2,300.9	2,542.3	1,993.6	1,373.4
Lake	221.5	236.8	153.5	138.0	179.1	185.3	143.0	105.2
Casting and best select [4]	72.3	36.6	21.0	15.9	7.6	12.5	20.5	22.8
Old copper refined (secondary)	189.0	392.4	624.9	840.4	1,072.8	1,253.1	934.4	694.0
REFINED COPPER CONSUMPTION								
New copper produced (refinery)	1,422.0	1,634.2	1,526.2	2,204.6	2,487.6	2,740.1	2,157.1	1,501.4
Refined copper imported	(2)	(2)	108.7	99.8	84.7	134.0	86.2	174.4
Refined copper exported [5]	708.3	588.8	553.1	1,022.3	1,020.8	903.5	669.3	464.2
Stocks, Dec. 31 (refined)	122.8	82.4	659.0	124.0	114.0	306.0	615.0	924.6
Withdrawn on domestic account:								
New refined copper	732.4	1,136.6	1,053.8	1,401.0	1,608.5	1,778.6	1,265.0	902.1
New and old copper [6]	921.0	1,529.0	1,679.0	2,241.0	2,681.3	3,031.7	2,199.4	1,596.1

[1] 2,000 pounds.
[2] Not available.
[3] Imports of refined copper in ingots, bars, or other forms included in imports of unrefined.
[4] Includes pig for years 1915 and 1920.
[5] Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.) prior to 1925.
[6] Total from preceding line plus production of secondary copper as given above.

No. 704.—COPPER: Smelter Production by State of Origin of Ore Smelted

[Quantities in thousands of pounds]

State of origin	1910	1915	1920	1925	1928	1929	1930	1931
Total	1,080,180	1,388,010	1,209,061	1,674,870	1,825,900	2,002,863	1,394,389	1,042,711
Alaska	4,311	70,695	66,094	72,204	40,542	39,868	36,380	23,233
Arizona	297,251	432,468	552,989	722,653	735,632	829,207	570,897	400,311
California	45,760	37,658	11,822	46,944	24,708	33,084	26,262	8,345
Colorado	9,307	7,272	4,283	3,163	10,262	10,520	12,944	9,029
Idaho	6,878	6,218	1,922	3,144	2,337	6,268	2,714	1,627
Michigan	221,463	238,956	153,484	138,030	179,104	185,301	142,986	105,222
Missouri		306	533	12	1	2	2	
Montana	283,079	268,263	177,744	270,605	251,046	299,895	198,796	173,910
Nevada	64,495	67,757	55,580	77,138	159,333	138,990	87,475	71,233
New Mexico	3,785	62,817	52,160	76,467	92,777	100,165	74,188	66,776
Oregon	22	797	2,529	126	375	739	230	9
Pennsylvania	741		618	562	5,014	3,581	3,061	(1)
Tennessee	16,692	18,205	16,728	19,789	16,374	(1)	(1)	(1)
Utah	125,185	175,178	110,358	242,731	298,375	325,965	205,770	161,023
Washington	65	904	2,126	1,185	1,197	1,569	1,405	71
Undistributed	1,127	514	92	117	8,821	27,709	31,280	21,922

[1] Included under "Undistributed."

Source of Tables 703 and 704: Bureau of Mines, Department of Commerce.

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No. 705.—COPPER: SMELTER AND REFINERY OUTPUT

NOTE.—Smelter output as here given represents the production of unrefined copper from domestic (including Alaskan) ores. Some copper ore is imported and smelted in this country, but this appears only in the figures of refined copper from imported material in Table 703

[Quantities in millions of pounds; values in thousands of dollars]

Period	Smelter output from domestic ore		Year	Smelter output from domestic ore		Refinery output (quantity)			
						New copper			Secondary copper
	Quantity	Value		Quantity	Value	Total[1]	Domestic	Foreign[1]	
1850	1½	320	1909	1,093	142,084	1,391	1,093	298	
1860	16	3,709	1910	1,080	137,180	1,422	1,072	350	189
1870	28	5,997	1911	1,097	137,154	1,434	1,097	337	214
1871–1875	34	8,895	1912	1,243	205,139	1,568	1,243	325	273
1876–1880	50	9,679	1913	1,224	189,795	1,615	1,237	378	276
1881–1885	118	17,236	1914	1,150	152,968	1,534	1,150	384	252
1886–1890	226	30,345	1915	1,388	242,902	1,634	1,388	247	395
1891–1895	339	37,266	1916	1,928	474,288	2,259	1,928	331	700
1896–1900	531	74,424	1917	1,886	514,911	2,428	1,886	542	767
1901–1905	732	103,859	1918	1,909	471,408	2,432	1,883	549	705
1906–1910	980	150,924	1919	1,286	239,274	1,805	1,433	372	574
1911–1915	1,221	185,592	1920	1,209	222,467	1,526	1,182	344	625
1916–1920	1,644	395,270	1921	506	65,221	951	609	341	435
1921–1925	1,240	171,275	1922	950	128,289	1,256	905	351	672
1926–1930	1,729	252,172	1923	1,435	210,945	1,980	1,464	516	822
			1924	1,634	214,087	2,260	1,674	586	777
1903	698	95,632	1925	1,675	237,832	2,205	1,683	522	840
1904	813	104,005	1926	1,740	243,547	2,322	1,731	591	960
1905	889	138,650	1927	1,684	220,609	2,326	1,719	607	980
1906	918	177,136	1928	1,826	262,930	2,488	1,792	696	1,073
			1929	2,003	352,504	2,740	1,983	757	1,253
1907	869	173,799	1930	1,394	181,271	2,157	1,391	766	934
1908	943	124,419	1931	1,043	94,887	1,501	1,075	427	694

[1] Includes refined copper imported from 1908 to 1919, inclusive.

Source: Bureau of Mines, Department of Commerce.

No. 706.—EXPORTS AND IMPORTS OF COPPER

NOTE.—Exports are those classed as "domestic" in the foreign trade statistics but include copper smelted or refined in the United States from imported ore or unrefined metal. Values include all forms of copper. Quantities represent all copper except the small item, "other manufactures." Copper content of exports of ore for years 1891–1915 and of imports for years 1891–1903 was estimated

[Quantities in short tons (2,000 pounds); values in thousands of dollars]

Yearly average or year	Exports		Imports		Year	Exports		Imports	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891–1895[1]	65,586	14,392	5,477	896	1923	412,375	129,220	338,236	95,988
1896–1900[1]	137,684	36,745	24,634	5,866	1924	556,106	156,646	384,408	96,184
1901–1905[1]	190,451	54,942	83,237	22,611	1925	540,376	161,166	326,486	84,270
1906–1910[1]	289,445	92,334	130,111	38,026	1926	482,843	141,204	389,721	99,742
1911–1915[1]	416,840	123,655	176,635	46,129	1927	538,365	150,214	359,161	84,963
1916–1920[2]	376,877	208,909	244,948	103,805	1928	562,510	169,831	393,537	98,187
1921–1925	438,337	129,761	298,975	77,811	1929	499,237	183,405	487,156	153,710
1926–1930	491,290	149,999	407,630	108,244	1930	376,647	105,342	408,577	104,616
1921	314,402	97,898	175,236	45,785	1931	278,937	54,748	292,946	48,745
1922	368,428	103,874	270,507	66,829					

[1] Fiscal years ended June 30.
[2] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Bureau of Foreign and Domestic Commerce.

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No. 707.—REFINED PRIMARY LEAD AND SECONDARY LEAD

NOTE.—**Production in short tons (2,000 pounds); values, except price per pound, in thousands of dollars.** This table, except the column for secondary lead, relates to new (primary) lead only; the totals include lead derived from both domestic (including Alaska) and foreign ore. General production figures and production of desilverized lead do not include antimonial lead, shown in next to the last column. This table represents exclusively refined lead, while in Table 708 part of the lead from domestic ore is unrefined

Year	Production	Value	Year	Production	Value	Year	Production	Value
1830	8,000	608	1899	298,047	26,824	1916	571,134	78,817
1840	17,000	1,666	1900	367,773	32,364	1917	610,769	105,052
1850	22,000	2,112	1901	371,032	30,909	1918	640,195	90,908
1860	15,600	1,778	1902	367,892	30,167	1919	482,220	51,115
1870	17,830	2,247	1903	368,939	30,991	1920	529,657	84,745
1880	95,725	9,573	1904	393,452	33,837	1921	448,589	40,373
1885	126,192	10,095	1905	388,307	36,501	1922	532,662	58,593
1889	178,357	13,912	1906	404,746	46,141	1923	618,322	86,565
1890	157,844	14,206	1907	413,389	43,819	1924	690,493	110,479
1891	198,363	17,059	1908	396,564	33,311	1925	766,969	133,453
1892	208,223	17,074	1909	446,909	38,434	1926	798,941	127,831
1893	224,320	16,600	1910	470,272	14,384	1927	796,530	100,363
1894	213,650	14,101	1911	486,979	43,828	1928	781,071	90,604
1895	235,822	15,093	1912	480,894	43,280	1929	774,633	97,604
1896	257,487	15,449	1913	462,460	40,696	1930	643,033	64,303
1897	282,169	20,316	1914	542,122	42,286	1931	442,764	32,765
1898	302,148	22,963	1915	550,055	51,705			

Year	Class		Source			Average value per pound	Antimonial lead, total production	Secondary lead recovered, total
	Desilverized [1]	Soft	Domestic ores and bullion [2]	Foreign ores	Foreign base bullion			
1880	68,035	27,690	95,725			$0.050	2,100	
1885	104,217	21,975	126,192			.040	3,220	
1890	126,493	31,351	139,720	18,124		.045	3,910	
1895	195,932	39,890	159,649	76,173		.032	6,060	
1900	319,752	48,021	260,918	106,855		.044	9,906	
1905	302,852	85,455	307,514	80,793		.047	10,995	
1910	328,954	141,318	375,402	18,065	76,805	.044	14,069	55,422
1915	388,594	161,461	507,026	9,581	33,448	.047	23,224	78,900
1920	339,803	189,854	476,849	8,414	44,394	.080	12,535	124,650
1925	506,409	260,560	654,921	47,024	65,024	.087	19,667	226,880
1928	556,068	225,003	626,202	26,632	128,237	.058	33,058	308,600
1929	539,288	235,345	672,498	29,675	72,460	.063	25,669	311,000
1930	441,672	201,361	573,740	34,348	34,945	.050	13,711	255,800
1931	304,375	138,389	390,260	22,254	30,250	.037	[3]	234,700

[1] Desilverized soft lead is included. [2] Excludes antimonial lead. [3] No comparable data.

No. 708.—SOURCES OF PRIMARY LEAD SMELTED OR REFINED IN THE UNITED STATES

[Production in short tons (2,000 pounds). See headnote to Table 707]

Source of ore	1910	1915	1920	1925	1928	1929	1930	1931
Total	494,081	580,041	547,155	798,499	797,566	788,127	649,306	446,103
From domestic ore	689,211	537,012	494,347	686,451	642,697	685,992	580,013	393,599
Arizona	948	6,953	5,987	10,281	8,144	8,153	4,223	2,085
Colorado	38,542	32,352	17,752	31,855	28,683	23,675	25,091	6,311
Idaho	109,951	160,680	117,191	123,363	141,748	147,595	135,411	100,970
Kansas	1,308	1,320	8,421	15,001	[1] 27,014	[1] 26,104	[1] 13,103	[2]
Missouri	161,659	195,634	171,999	208,547	192,789	211,345	201,056	151,359
Montana	1,943	4,853	13,231	22,008	20,470	26,795	15,412	4,766
Nevada	2,246	7,664	8,650	10,978	6,823	13,256	14,091	8,348
Oklahoma	1,805	4,346	68,494	78,487	[1] 46,692	[1] 45,653	[1] 23,398	[2] 18,913
Utah	60,605	106,105	64,006	166,844	151,724	157,085	122,311	75,207
Wisconsin	3,909	2,632	3,841	2,889	1,812	1,729	1,832	740
Undistributed	4,058	9,911	10,409	14,657	16,696	22,699	23,090	24,183
Zinc residues	2,237	4,562	4,366	1,541	102	1,903	995	717
From foreign ore [3]	18,065	9,581	8,414	47,024	26,632	29,675	34,348	22,254
Africa	3,310		1,171					
Canada	25	1,174	1,186	10,676	10,123	9,499	14,369	3,816
Mexico	11,704	5,437	2,729	31,107	14,839	16,807	14,949	6,420
South America	2,996	2,829	2,747	4,496	1,568	3,285	3,476	2,299
From foreign base bullion [3]	76,805	33,448	44,394	65,024	128,237	72,460	34,945	30,250
Mexico	76,805	33,173	42,421	65,024	117,193	51,295	18,592	30,072
Peru					11,044	21,165	16,353	178

[1] Separation as between Kansas and Oklahoma is made on the basis of mine figures.
[2] Production for Kansas is included with Oklahoma. [3] Totals include small unspecified items.

Source of Tables 707 and 708: Bureau of Mines, Department of Commerce.

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No. 709.—SUPPLY AND DISTRIBUTION OF REFINED PRIMARY LEAD

NOTE.—**All data in short tons (2,000 pounds).** Apparent deliveries are only approximate, as no account (except for bonded warehouses prior to 1931) is taken of changes in stocks

	1910	1915	1920	1925	1928	1929	1930	1931
Supply, total	473,836	550,467	565,610	779,035	791,197	780,430	644,570	442,774
Stock in bonded warehouses Jan. 1	79	2	234	5,045	9,464	4,139	1,328	(1)
Imports of pigs, bars, and old	3,485	410	35,719	7,021	662	1,658	209	10
Production from domestic and foreign ore	470,272	550,055	529,657	766,969	781,071	774,633	643,033	442,764
Deductions, total	78,661	130,507	27,590	123,380	133,632	87,665	61,796	32,168
Exports—								
Pig lead	69,786	126,924	20,093	103,519	116,269	73,251	48,307	21,665
In manufactures with benefit of drawback	8,800	3,983	6,175	11,699	13,224	13,086	12,161	10,503
Stock in bonded warehouses Dec. 31	75	.....	1,322	8,162	4,139	1,328	(1)	(1)
Apparent deliveries to domestic consumers	395,175	419,560	538,020	655,655	667,565	692,765	582,774	410,606

[1] Stocks of pigs, bars, etc. in bonded warehouse not separately reported after April, 1930; included with base bullion. For purpose of calculating apparent deliveries in 1930, stocks in warehouse are estimated to have remained unchanged from beginning of the year.

Source: Bureau of Mines, Department of Commerce.

No. 710.—MANUFACTURES OF NONFERROUS METALS AND ALLOYS,[1] 1929

NOTE.—This table shows the production of the commodities specified, whether made as primary or as secondary products by the industries reporting them. The census designations of the industries in which these commodities are made as primary products are as follows: "Nonferrous-metal alloys and products, not including aluminum products;" and "Smelting and refining, metals other than gold, silver, or platinum, not from the ore."

[Quantities in thousands of pounds; values in thousands of dollars]

Kind	1929		Kind	1929	
	Quantity	Value		Quantity	Value
Ingots and pigs:			Wire, bare:[2]		
Copper (secondary)	100,244	16,513	Brass and bronze	63,244	15,189
Lead (secondary)	306,084	21,539	Copper	607,616	131,385
Zinc (secondary)	79,686	5,519	Castings, rough:		
Brass and bronze	290,980	43,568	Brass and bronze—		
Antifriction bearing metal	108,738	20,301	Weight reported	413,513	98,903
Solders, of all kinds	112,846	28,595	Copper	9,799	2,691
Type metal	84,580	7,885	Nickel and nickel alloys	5,227	2,942
Plates and sheets:			Finished products:		
Brass and bronze	468,442	98,545	Castings, finished, brass and bronze	.....	12,352
Copper	255,578	59,540			
Lead	71,604	6,490	Bearings and bushings, brass and bronze (including antifriction linings)	.....	26,600
Nickel and nickel alloys	54,324	18,338			
Rods and bars:			Die castings	.....	22,077
Brass and bronze	250,486	45,869	Extruded shapes, total	.....	6,665
Copper	454,616	81,057	Forgings and hot-pressed parts, brass and bronze	.....	7,652
Nickel and nickel alloys	14,464	5,876			
Tubing (seamless) and pipe:			Ornamental grilles and railings, brass and bronze	.....	7,301
Brass and bronze	142,572	36,230			
Copper	98,124	25,774			
Lead	74,052	7,001	Bells	.....	809
Nickel and nickel alloys	3,578	2,542			
Other tubing, including brazed	.....	4,013			

[1] This table does not include data for establishments engaged in smelting and refining ores containing copper, lead, zinc, and other nonferrous metals.

[2] Does not include wire made by establishments engaged primarily in the drawing of wire.

Source: Bureau of the Census, Department of Commerce.

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No. 711.—ZINC: PRODUCTION, EXPORTS, STOCKS, AND APPARENT CONSUMPTION

NOTE.—The excess of mine production over smelter production is due chiefly to export of ore

[All quantity figures in short tons (2,000 pounds); values in thousands of dollars]

	1910	1915	1920	1925	1928	1929	1930	1931
Mine production (recoverable zinc content of ore)	327,618	587,595	587,524	710,847	695,170	724,478	595,425	[1]410,131
Colorado	38,545	52,297	24,395	30,811	35,731	29,431	36,259	[1] 16,000
Idaho	2,802	35,077	13,966	15,619	31,263	45,675	37,649	19,569
Kansas	13,229	14,365	61,073	118,778	107,251	109,850	74,304	39,051
Missouri	128,589	136,300	24,509	14,794	12,974	11,017	10,811	3,205
Montana	15,819	93,573	92,169	57,658	82,830	68,176	26,421	6,747
Nevada	1,354	12,188	5,349	7,411	3,398	8,460	14,584	10,431
New Jersey	68,584	117,722	78,511	89,261	99,871	103,740	97,626	94,285
New Mexico	9,044	12,702	5,007	9,246	31,203	34,455	32,765	27,866
New York	-------	2,455	5,654	5,158	11,257	10,250	22,471	24,100
Oklahoma	6,394	14,314	219,727	283,371	180,252	192,042	136,153	78,132
Tennessee	966	16,461	19,217	16,256	[2] 32,917	[2] 40,558	[2] 48,147	[2]38,312
Utah	8,184	12,146	4,079	26,306	46,929	51,510	44,495	37,291
Wisconsin	25,927	41,403	27,285	20,230	18,417	16,986	12,558	10,088
Other States	8,181	26,592	6,583	15,948	877	2,328	1,182	5,054
Smelter production	310,407	542,419	506,227	634,378	673,281	690,847	547,345	326,796
Primary zinc	269,184	489,519	463,377	572,946	602,581	625,447	498,045	291,996
From domestic ore	252,479	458,135	450,045	555,631	591,525	612,136	489,361	291,996
From foreign ore	16,705	31,384	13,332	17,315	11,056	13,311	8,684	-------
Secondary zinc	41,223	52,900	42,850	61,430	70,700	65,400	49,360	34,800
Redistilled	12,784	23,764	21,371	39,181	48,666	47,348	34,849	21,625
Remelted	28,439	23,136	21,479	22,249	22,034	18,052	14,451	13,175
Value of primary product from domestic ore ($1,000)	27,268	113,617	72,907	84,456	72,166	80,802	46,979	22,192
Primary zinc consumed:								
Supply, total	282,350	510,518	508,347	593,724	656,106	674,105	584,295	459,564
Stock, Jan. 1	11,206	20,095	36,793	20,754	53,522	48,432	85,904	167,293
Produced	269,184	489,519	463,377	572,946	602,581	625,447	498,045	291,996
Imported	1,960	904	8,177	24	3	226	346	275
Deductions:								
Exports, total	13,234	131,410	114,267	80,547	29,614	19,676	8,533	3,402
Stock, Dec. 31	23,232	14,253	71,037	13,080	48,432	85,904	167,293	143,592
Apparent deliveries to domestic consumers	245,884	364,855	323,043	500,097	578,060	568,525	408,469	312,570

[1] Preliminary.
[2] Includes Virginia.

Source: Bureau of Mines, Department of Commerce.

No. 712.—SMELTER PRODUCTION OF PRIMARY ZINC FROM DOMESTIC ORE

[Quantities in short tons (2,000 pounds); values[1] in thousands of dollars]

Yearly average or year	Quantity	Value	Yearly average or year	Quantity	Value	Year	Quantity	Value
1875	15,833	[2] 2,217	1921–1925	426,261	56,149	1922	353,274	40,273
1880[3]	23,239	2,277	1926–1930	576,395	73,119	1923	508,335	69,134
1885	40,688	3,540	1914	343,418	35,029	1924	515,831	67,058
1886–1890	54,285	5,219	1915	458,135	113,617	1925	555,631	84,456
1891–1895	82,396	6,787	1916	564,338	151,243	1926	611,991	91,799
1896–1900	109,963	10,180	1917	584,597	119,258	1927	576,960	73,851
1901–1905	169,504	17,067	1918	492,405	89,618	1928	591,525	72,166
1906–1910	219,378	24,165	1919	452,272	66,032	1929	612,136	80,802
1911–1915	346,867	52,416	1920	450,045	72,907	1930	489,361	46,979
1916–1920	508,731	99,812	1921	198,232	19,823	1931	291,996	22,192

[1] Values at New York prices, up to and including 1907; at St. Louis prices, 1908 to 1914; at average price all grades, 1915 and later years.
[2] Computed at yearly average of high and low monthly prices at New York.
[3] Census year ended May 31.

Source: Bureau of Mines, Department of Commerce.

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No. 713.—GOLD AND SILVER: PRODUCTION FROM MINES IN CONTINENTAL UNITED STATES, ALASKA, AND PHILIPPINE ISLANDS

NOTE.—The value of gold, in terms of money, being unchanging at $20.67+ per fine ounce, is not shown in the table. The value of silver given is commercial value (Pittman Act value for 1921 to June, 1923), which at times has differed materially from coinage value

[Figures are totals for period or for year]

Calendar year or period	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars	Calendar year	Gold, 1,000 fine ounces	Silver, 1,000 fine ounces	Silver, value, 1,000 dollars
1792–1847	1,187	310	405	1901	3,806	55,214	33,128
1848–1850	4,838	116	152	1902	3,870	55,500	29,415
1851–1855	14,271	194	259	1903	3,560	54,300	29,322
1856–1860	12,384	309	418	1904	3,892	57,683	33,456
1861–1865	10,716	28,811	38,674	1905	4,266	56,102	34,222
1866–1870	12,226	49,113	65,261	1906	4,565	56,518	38,256
1871–1875	8,826	121,083	156,270	1907	4,375	56,515	37,300
1876–1880	10,301	157,681	182,506	1908	4,574	52,441	28,051
1881–1885	7,730	182,841	202,807	1909	4,822	54,722	28,455
1886–1890	8,078	231,819	227,495	1910	4,657	57,138	30,855
1891–1895	9,107	287,057	227,960	1911	4,687	60,399	32,616
1896–1900	15,729	279,544	172,689	1912	4,521	63,767	39,198
1901–1905	19,394	278,798	159,543	1913	4,300	66,802	40,348
1906–1910	22,993	277,333	162,916	1914	4,573	72,455	40,068
1911–1915	22,968	338,384	189,626	1915	4,888	74,961	37,397
1916–1920	17,246	326,009	298,852	1916	4,479	74,415	48,953
1921–1925	12,194	313,757	258,862	1917	4,051	71,740	59,078
1926–1930	11,206	291,582	159,017	1918	3,321	67,810	66,485
1887	1,603	41,722	40,887	1919	2,919	56,682	63,534
1888	1,604	45,793	43,045	1920	2,476	55,362	60,802
1889	1,595	50,095	46,838	1921	2,422	53,052	[1] 53,052
1890	1,589	54,516	57,242	1922	2,363	56,240	[1] 56,240
1891	1,605	58,330	57,630	1923	2,503	73,335	[1] 60,135
1892	1,597	63,500	55,663	1924	2,529	65,407	43,823
1893	1,739	60,000	46,800	1925	2,412	66,155	45,912
1894	1,911	49,500	31,422	1926	2,335	62,719	39,136
1895	2,255	55,727	36,446	1927	2,197	60,434	34,266
1896	2,568	58,835	39,655	1928	2,233	58,463	34,201
1897	2,775	53,860	32,316	1929	2,208	61,328	32,688
1898	3,118	54,438	32,118	1930	2,286	50,748	19,538
1899	3,437	54,765	32,859	1931 [2]	2,366	30,968	8,981
1900	3,830	57,647	35,741				

State or Territory	Gold, 1,000 fine ounces					Silver, 1,000 fine ounces					Silver, value, 1931,[2] 1,000 dollars
	1910	1920	1925	1930	1931 [2]	1910	1920	1925	1930	1931 [2]	
Total	**4,657**	**2,476**	**2,412**	**2,286**	**2,366**	**57,138**	**55,362**	**66,155**	**50,748**	**30,968**	**8,981**
Alaska	787	413	301	407	451	154	822	766	392	355	103
Arizona	165	240	204	149	136	2,656	5,432	7,371	4,910	4,304	1,248
California	989	716	642	450	510	1,792	1,655	3,240	1,434	710	206
Colorado	993	363	357	218	228	8,523	5,167	4,435	4,852	2,148	623
Idaho	50	23	20	21	18	7,027	7,365	7,663	9,710	7,390	2,143
Michigan						262	512	136	11	1	[3]
Montana	180	92	84	47	47	12,283	13,263	12,597	8,597	4,120	1,195
Nevada	913	175	180	140	138	12,366	7,482	6,847	4,179	2,413	700
New Mexico	23	22	30	32	29	779	700	800	1,160	1,030	299
Oregon	33	50	19	14	15	44	102	35	10	7	2
South Dakota	260	210	288	406	433	121	88	98	105	114	33
Texas	[3]	[3]		[3]		364	523	555	469	[3]	[3]
Utah	209	103	181	209	183	10,446	11,755	21,241	14,451	8,173	2,370
Washington	39	7	11	4	3	205	178	166	30	22	6
Philippine Islands	7	62	92	185	174	2	22	49	121	104	30
Other	8	[3]	3	3	1	115	296	156	317	70	23

[1] For 1921, 1922, and first half of 1923 price is taken at the figure of $1 per ounce fixed by the Pittman Act.
[2] Preliminary estimate.
[3] Less than $500 or 500 ounces.

Source: Reports of the Director of the Mint, Treasury Department.

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No. 714.—GOLD AND SILVER FOR USE IN MANUFACTURES AND THE ARTS

Yearly average or year	Gold in thousands of dollars					Silver in thousands of fine ounces				
	New material			Old material	Grand total	New material			Old material	Grand total
	United States coin[1]	Bullion and foreign coin	Total			United States coin[1]	Bullion and foreign coin	Total		
1880	3,300	5,511	8,811	1,294	10,105	464	2,126	2,590	204	2,794
1881–1885	3,715	6,991	10,706	1,863	12,568	155	3,685	3,840	315	4,155
1886–1890	3,500	8,512	12,012	4,029	16,041	155	4,831	4,986	676	5,662
1891–1895	3,500	7,948	11,448	5,060	16,508	108	6,938	7,046	951	7,997
1896–1900	3,500	9,398	12,898	4,067	16,965	77	8,937	9,014	1,200	10,214
1901–1905	3,500	18,218	21,718	6,778	28,496	77	16,447	16,524	3,002	19,526
1906–1910	3,500	26,941	30,441	7,708	38,149	77	20,807	20,884	3,669	24,553
1911–1915	2,500	28,121	30,621	9,967	40,588	77	23,438	23,516	6,928	30,444
1916–1920	1,000	38,831	39,831	22,033	61,864	77	22,011	22,089	9,126	31,214
1921–1925	1,000	29,321	30,321	29,275	59,596	77	28,538	28,616	8,189	36,805
1926–1930	1,000	23,747	24,747	30,450	55,197	77	28,059	28,137	10,325	38,461
1923	1,000	34,627	35,627	31,265	66,892	77	28,278	28,355	8,470	36,825
1924	1,000	31,471	32,471	32,320	64,791	77	24,587	24,664	8,931	33,595
1925	1,000	30,134	31,134	30,092	61,226	77	29,852	29,929	9,897	39,827
1926	1,000	29,927	30,927	32,063	62,991	77	29,330	29,408	10,001	39,408
1927	1,000	25,450	26,450	30,369	56,820	77	28,416	28,493	10,155	38,649
1928	1,000	25,306	26,306	30,276	56,582	77	24,854	24,931	10,616	35,548
1929	1,000	23,873	24,873	32,031	56,904	77	30,900	30,978	11,382	42,359
1930	1,000	14,178	15,178	27,512	42,689	77	26,797	26,874	9,469	36,343

[1] Estimated.

No. 715.—SILVER: PRICE, AND VALUE OF SILVER IN THE DOLLAR

NOTE.—The London price is converted to the basis of the ounce 1.000 fine and converted to American money throughout at par of exchange, notwithstanding the fact that from 1918 to 1924, inclusive, and in 1931 the pound sterling was depreciated as compared to the dollar. During these periods of depreciation the commercial ratio is computed on the basis of the New York average price; the value of fine silver (371¼ grains) in the dollar is computed on the basis of the New York average price beginning 1918. For other years computations are on the basis of the London quotations, which were at all times close to the New York quotations

Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar	Calendar year	London, per fine ounce	New York, per fine ounce			Commercial ratio to gold	Value of silver in dollar
		Average	High	Low					Average	High	Low		
1835	1.308				15.80		1904	0.579	0.578	0.625	0.534	35.70	0.448
1840	1.323				15.62	1.023	1905	.610	.610	.665	.556	33.87	.472
1845	1.298				15.92	1.004							
1850	1.316				15.70	1.018	1906	.677	.674	.724	.631	30.54	.524
1855	1.344				15.38	1.039	1907	.662	.660	.710	.528	31.24	.512
							1908	.535	.535	.589	.483	38.64	.414
1860	1.352				15.29	1.045	1909	.520	.522	.545	.508	39.74	.402
1865	1.338				15.44	1.035	1910	.541	.542	.576	.508	38.22	.418
1870	1.328				15.57	1.027							
1875	1.242	1.239	1.261	1.210	16.64	.961	1911	.539	.540	.575	.521	38.33	.417
1880	1.145	1.139	1.150	1.113	18.05	.886	1912	.615	.620	.656	.553	33.62	.475
1885	1.065	1.064	1.095	1.028	19.41	.824	1913	.605	.612	.651	.580	34.19	.468
							1914	.553	.563	.609	.490	37.37	.428
1887	.979	.979	1.035	.950	21.10	.758	1915	.519	.511	.580	.478	39.84	.401
1888	.940	.943	.978	.920	22.60	.727							
1889	.935	.936	.972	.925	22.10	.723	1916	.686	.672	.791	.573	30.11	.531
1890	1.046	1.053	1.205	.958	19.75	.809	1917	.895	.840	1.165	.731	23.09	.692
							1918	1.042	.984	1.025	.894	21.00	.761
1891	.988	.990	1.075	.948	20.92	.764	1919	1.250	1.121	1.388	1.018	18.44	.867
1892	.871	.876	.953	.830	23.72	.674	1920	1.346	1.019	1.368	.608	20.28	.788
1893	.780	.782	.850	.650	26.49	.604							
1894	.635	.640	.700	.595	32.56	.491	1921	.805	.631	.738	.532	32.76	.488
1895	.654	.663	.690	.600	31.60	.506	1922	.754	.679	.742	.629	30.43	.525
							1923	.700	.652	.690	.629	31.69	.505
1896	.676	.682	.703	.656	30.59	.523	1924	.745	.671	.724	.630	30.80	.519
1897	.604	.608	.661	.528	34.29	.467	1925	.703	.694	.732	.668	29.38	.537
1898	.590	.591	.623	.551	35.03	.456							
1899	.602	.605	.648	.586	34.36	.465	1926	.629	.624	.689	.518	32.88	.483
1900	.620	.621	.658	.598	33.33	.480	1927	.571	.567	.603	.542	36.22	.438
							1928	.586	.585	.639	.568	35.26	.452
1901	.596	.597	.645	.548	34.68	.461	1929	.536	.533	.578	.468	38.54	.412
1902	.528	.528	.569	.474	39.15	.408	1930	.387	.385	.472	.311	53.38	.298
1903	.543	.542	.624	.475	38.10	.420	1931	.320	.290	.376	.261	71.25	.224

Source of Tables 714 and 715: Annual Reports of the Director of the Mint, Treasury Department.

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No. 716.—COAL PRODUCTION: Quantity and Value

NOTE.—**Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars.** Includes coal consumed at mines. Figures for anthracite relate to Pennsylvania output only; those for bituminous relate to continental United States and Alaska. Bituminous coal includes brown coal and small amounts of anthracite outside of Pennsylvania. Comparatively little coal is held in stock at the mines

Year or yearly average	Quantity			Year	Quantity			Value	
	Total	Anthracite	Bituminous		Total	Anthracite	Bituminous	Anthracite	Bituminous
1821–1830	140	66	75	1910	501,596	84,485	417,111	160,275	469,282
1831–1840	1,032	722	310	1911	496,371	90,464	405,907	175,189	451,376
1841–1850	4,535	2,697	1,837	1912	534,467	84,362	450,105	177,623	517,983
1851–1860	12,513	7,645	4,868	1913	569,960	91,525	478,435	195,181	565,235
1861–1865	20,538	11,142	9,396	1914	513,525	90,822	422,704	188,181	493,309
1866–1870	31,706	16,281	15,425	1915	531,619	88,995	442,624	184,653	502,038
1871–1875	52,179	23,407	28,773						
1876–1880	62,261	25,800	36,461	1916	590,098	87,578	502,520	202,010	665,116
1881–1885	107,291	36,198	71,093	1917	651,402	99,612	551,791	283,651	1,249,273
1886–1890	138,398	43,952	94,446	1918	678,212	98,826	579,386	336,480	1,491,810
1891–1895	178,822	53,405	125,416	1919[1]	553,952	88,092	465,860	364,927	1,160,616
1896–1900	227,123	55,625	171,498	1920	658,265	89,598	568,667	434,252	2,129,933
1901–1905	339,357	66,854	272,503	1921[1]	506,395	90,473	415,922	452,305	1,199,984
1906–1910	454,555	81,142	373,413	1922	476,951	54,583	422,268	273,700	1,274,820
1911–1915	529,189	89,233	439,955	1923	657,904	93,339	564,565	506,787	1,514,621
1916–1920	626,386	92,741	533,645	1924[1]	571,613	87,927	483,687	477,231	1,062,626
1921–1925	558,947	77,648	481,299	1925[1]	581,870	61,817	520,053	327,665	1,060,402
1926–1930[1]	595,497	76,619	518,878	1926[1]	657,804	84,437	573,367	474,164	1,183,417
1905	392,723	77,660	315,063	1927[1]	597,859	80,096	517,763	420,942	1,029,652
1906	414,157	71,282	342,875	1928[1]	576,093	75,348	500,745	393,638	933,774
1907	480,363	85,604	394,759	1929[1]	608,817	73,828	534,989	385,643	952,781
1908	415,843	83,269	332,574	1930[1]	536,911	69,385	467,526	354,574	795,483
1909	460,815	81,070	379,744	1931[2]	437,641	59,646	378,110	296,355	[3]

State	1900	1911–1915	1916–1920	1921–1925	1926–1930[1]	1928[1]	1929[1]	1930[1]	1931[2]
Total quantity	**269,684**	**529,189**	**626,386**	**558,947**	**595,497**	**576,093**	**608,817**	**536,911**	**437,756**
Anthracite (Pa.)	57,368	89,233	92,741	77,648	76,619	75,348	73,828	69,385	59,646
Bituminous	212,316	439,956	533,645	481,299	518,878	500,745	534,989	467,526	378,110
Alabama	8,394	15,864	17,834	18,097	18,380	17,621	17,944	15,570	11,620
Arkansas	1,448	1,986	1,980	1,261	1,579	1,661	1,695	1,533	1,238
Colorado	5,244	9,433	11,595	10,049	9,665	9,848	9,921	8,197	6,444
Illinois	25,768	58,320	78,255	68,523	57,310	55,948	60,658	53,731	44,105
Indiana	6,484	16,060	25,515	21,677	18,467	16,379	18,344	16,490	13,310
Iowa	5,203	7,442	7,571	4,952	3,879	3,684	4,241	3,893	3,305
Kansas	4,468	6,811	6,556	3,827	3,215	2,810	2,976	2,430	1,995
Kentucky	5,329	18,380	30,108	43,743	61,116	61,860	60,463	51,209	39,890
Maryland	4,025	4,549	4,158	2,033	2,700	2,687	2,649	2,271	1,950
Michigan	849	1,271	1,301	976	705	617	804	661	393
Missouri	3,540	4,048	5,086	3,011	3,538	3,733	4,030	3,853	3,269
Montana	1,662	2,972	4,008	2,881	3,139	3,324	3,408	3,022	2,210
New Mexico	1,299	3,618	3,728	2,772	2,612	2,712	2,623	1,969	1,520
North Dakota	130	506	787	1,221	1,622	1,650	1,862	1,700	1,610
Ohio	18,988	28,553	40,609	31,590	21,111	15,641	23,689	22,552	21,440
Oklahoma	1,922	3,720	4,292	2,741	3,346	3,501	3,774	2,794	1,880
Pennsylvania	79,842	157,229	168,532	133,721	137,038	131,202	143,516	124,463	97,276
Tennessee	3,510	6,288	6,208	5,078	5,544	5,611	5,405	5,130	4,170
Texas	968	2,201	1,980	1,084	1,107	1,182	1,101	834	850
Utah	1,147	2,999	4,693	4,593	4,683	4,843	5,160	4,258	3,330
Virginia	2,394	7,924	10,158	10,648	12,521	11,901	12,748	10,907	9,650
Washington	2,474	3,261	3,576	2,626	2,513	2,520	2,521	2,302	1,810
West Virginia	22,647	69,353	86,369	97,044	136,315	132,952	138,519	121,473	99,769
Wyoming	4,015	6,907	8,555	6,812	6,526	6,572	6,705	6,088	5,006
Miscellaneous	565	259	190	239	246	286	231	196	70

[1] Exclusive of product of wagon mines. [2] Preliminary. [3] Not yet available.

Source: Bureau of Mines, Department of Commerce.

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No. 717.—COAL: Exports, Imports, and Bunker Coal Laden on Vessels in Foreign Trade

[Quantities in thousands of long tons (2,240 pounds); values in thousands of dollars]

Yearly average or year	Total exports [1]		Anthracite exports		Bituminous exports [1]		Total imports		Bunker coal	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
1891–1895 [2]	3,028	10,012	1,128	4,929	1,900	5,081	1,237	3,984	-------	-------
1896–1900 [2]	4,710	13,300	1,469	6,268	3,241	7,032	1,403	3,831	-------	-------
1901–1905 [2]	7,750	24,254	1,846	8,782	5,903	15,472	2,287	6,376	-------	-------
1906–1910 [3]	12,018	36,805	2,646	13,034	9,372	23,770	1,727	4,530	[4] 5,638	[4] 18,291
1911–1915	19,132	58,362	3,753	19,624	15,379	38,738	1,437	4,069	7,289	23,890
1912	18,149	56,243	3,689	19,425	14,460	36,818	1,610	4,518	7,340	23,603
1913	22,141	67,410	4,154	21,960	17,987	45,450	1,415	3,863	7,701	25,036
1914	17,632	54,316	3,830	20,211	13,802	34,105	1,395	3,928	7,266	24,146
1915	20,305	61,246	3,540	18,429	16,765	42,817	1,524	4,413	7,471	25,193
1916	23,143	68,298	4,166	22,470	18,977	45,828	1,536	4,734	7,826	27,492
1917	26,649	110,413	5,364	30,910	21,285	79,503	1,304	4,842	6,883	31,845
1918	24,302	107,881	4,436	29,216	19,956	78,665	1,334	6,898	5,532	29,868
1919	22,402	120,377	4,443	36,668	17,959	83,709	977	5,473	7,343	48,206
1920	39,215	349,811	4,825	45,538	34,390	304,273	1,140	6,992	9,362	82,462
1921	24,829	168,222	4,176	45,625	20,653	122,597	1,131	7,457	7,548	52,278
1922	13,449	91,242	2,366	25,351	11,083	65,892	4,726	28,250	4,120	27,913
1923	23,700	154,124	4,545	49,577	19,155	104,547	1,949	12,249	4,547	31,470
1924	18,855	111,039	3,587	40,068	15,268	70,971	478	3,019	3,983	22,883
1925	18,429	100,163	2,838	31,761	15,591	68,403	879	5,846	4,344	23,398
1926	35,091	196,905	3,598	41,086	31,493	155,819	1,201	9,301	6,907	38,025
1927	19,051	104,257	2,969	32,928	16,082	71,329	597	3,284	4,076	22,077
1928	17,411	92,121	2,979	32,657	14,433	59,464	831	4,989	3,834	20,258
1929	18,603	98,310	3,041	32,569	15,562	65,742	877	5,486	3,827	19,575
1930	16,455	83,694	2,278	24,509	14,176	59,186	818	5,525	3,122	15,697
1931	12,415	60,457	1,588	17,062	10,827	43,395	747	5,137	1,960	9,639

[1] Does not include fuel or bunker coal laden on vessels engaged in the foreign trade.
[2] Fiscal years ended June 30. [3] Average for period July 1, 1905, to Dec. 31, 1910.
[4] Figures do not include coal laden on vessels on the Great Lakes in 1906, 1907, and 1908.

No. 718.—COAL: Shipments, Average Value per Ton, and Men Employed

Calendar year	Thousand tons (2,000 pounds)				Average value per ton	Average number of men employed	Average number of days worked	Average tonnage per man—		Per cent mined by machine	Calculated capacity, at 308 days (million tons [1])
	Loaded for shipment	Sold locally	Used by mines	Made into coke at mines				Per day	Per year		
ANTHRACITE											
1890	41,011	2,001	3,457	-------	$1.43	126,000	200	1.85	369	(2)	(2)
1895	52,093	1,315	4,591	-------	1.41	142,917	196	2.07	406	(2)	(2)
1900	50,710	1,208	5,550	-------	1.49	144,206	166	2.40	398	(2)	(2)
1905	69,053	1,571	7,036	-------	1.83	165,406	215	2.18	470	(2)	(2)
1910	73,623	2,021	8,841	-------	1.90	169,497	229	2.17	498	(2)	(2)
1915	76,906	2,092	9,997	-------	2.07	176,552	230	2.19	504	1.5	(2)
1920	76,844	2,897	9,858	-------	4.85	145,074	271	2.28	618	1.1	(2)
1925	53,768	2,885	5,164	-------	5.30	160,312	182	2.12	386	1.6	(2)
1927	70,495	3,047	6,554	-------	5.26	165,259	225	2.15	485	1.5	(2)
1928	66,488	3,185	5,676	-------	5.22	160,681	217	2.17	469	1.7	(2)
1929	65,295	3,233	5,301	-------	5.22	151,501	225	2.17	487	1.6	(2)
1930	61,202	3,144	5,038	-------	5.11	150,804	208	2.21	460	2.0	(2)
1931	52,636	2,901	3,986	-------	4.97	139,431	181	2.37	428	2.7	(2)
BITUMINOUS											
1890	87,373	7,008	1,607	15,332	.99	192,204	226	2.56	579	[3] 5.3	151
1895	106,287	8,340	2,086	18,404	.86	239,962	194	2.90	563	[4] 11.9	216
1900	173,072	7,868	3,740	27,635	1.04	304,375	234	2.98	697	24.9	281
1905	255,201	10,639	7,007	42,412	1.06	460,629	211	3.24	684	32.8	459
1910	342,969	12,287	9,668	52,187	1.12	555,533	217	3.46	751	41.7	592
1915	379,877	12,354	9,799	40,595	1.13	557,456	203	3.91	794	55.0	671
1920	504,873	21,289	11,896	30,608	3.75	639,547	220	4.00	881	59.8	798
1925	477,173	21,351	5,776	15,753	2.04	588,493	195	4.52	884	70.6	823
1927	480,223	21,890	4,930	10,720	1.99	593,918	191	4.55	872	72.2	835
1928	467,348	21,990	4,602	6,805	1.86	522,150	203	4.73	959	73.8	760
1929	497,934	23,263	4,663	9,129	1.78	502,993	219	4.85	1,064	75.4	752
1930	437,399	22,121	3,993	4,014	1.70	493,202	187	5.06	948	77.5	770

[1] Of 2,000 pounds. [2] Not available. [3] 1891. [4] 1896.

Sources: Table 717, Bureau of Foreign and Domestic Commerce; Table 718, Bureau of Mines, Department of Commerce.

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No. 719.—CONSUMPTION OF BITUMINOUS COAL: BY THE PRINCIPAL CLASSES OF CONSUMERS IN THE UNITED STATES, 1889 TO 1931

	1889	1899	1909	1914	1919	1923	1929	1930	1931 [1]
Consumption (million net tons of 2,000 lbs.), total	95.8	190.3	370.3	408.3	481.7	519.0	519.6	455.0	367.9
(a) Colliery fuel	1.4	3.1	9.5	10.4	11.1	8.8	4.7	4.0	3.6
(b) Locomotive fuel, all steam roads	26.5	53.4	106.0	117.0	124.7	137.0	118.6	[2] 98.4	[2] 81.2
(c) Bunkers, vessels in foreign trade	1.9	3.8	6.8	8.2	8.2	5.1	4.3	3.5	2.2
(d) Coke ovens, beehive and by-product	16.0	30.2	59.4	51.6	65.6	84.4	86.8	69.8	33.5
(e) Electric public utilities [3]	.....	7.6	18.7	24.6	35.1	39.0	44.9	42.9	38.7
(f) Local sales at mines, not shipped [4]	6.4	7.8	12.0	13.0	18.1	22.1			
(g) Iron and steel works (gas coal and steam coal) [5]	5.1	11.8	20.9	22.2	28.2	30.2	260.3	236.4	208.7
(h) Coal and water gas plants [6]	1.9	2.3	3.8	4.4	4.4	4.9			
(i) General manufacturing industries [7]	36.6	70.3	78.5	88.3	104.8	107.2			
(j) Domestic and all other [8]			54.7	69.1	81.5	80.3			
Per cent of total consumption	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(a) Colliery fuel	1.5	1.6	2.6	2.6	2.3	1.7	.9	.9	1.0
(b) Locomotive fuel, all steam roads	27.7	28.1	28.6	28.6	25.9	26.4	22.8	[2] 21.6	[2] 22.1
(c) Bunkers, vessels in foreign trade	2.0	2.0	1.9	2.0	1.7	1.0	.8	.8	.6
(d) Coke ovens, beehive and by-product	16.7	15.9	16.0	12.6	13.6	16.3	16.7	15.3	9.1
(e) Electric public utilities	.....	4.0	5.0	6.0	7.3	7.5	8.6	9.4	10.5
(f) Local sales at mines, not shipped	6.7	4.1	3.2	3.2	3.8	4.3			
(g) Iron and steel works (gas coal and steam coal)	5.3	6.2	5.7	5.4	5.8	5.8	50.1	52.0	56.7
(h) Coal and water gas plants	2.1	1.2	1.0	1.1	.9	.9			
(i) General manufacturing industries	38.0	36.9	21.2	21.6	21.8	20.6			
(j) Domestic and all other			14.8	16.9	16.9	15.5			

[1] Preliminary data.
[2] Class I roads.
[3] Includes electric central stations and street railways and certain minor plants. Data not available for 1889.
[4] Item (f) includes coal used by mine employees and sold for domestic purposes in the vicinity of the mine. It also includes an unknown amount taken by locomotive tenders at the tipple or sold to a near-by factory or power plant. It therefore involves an unknown amount of overlapping with items (b), (c), and (i). Double counting in the total is avoided by an adjustment in item (j), which is obtained by subtracting the sum of all other items from the known total.
[5] Figures include all coal used except that charged in coke ovens.
[6] Includes coal for gas making only. Excludes coal charged in by-product coke ovens operated by city gas companies, which is included under item (d).
[7] Excludes coal consumed in coke ovens, iron and steel works, and for gas making at coal and water-gas plants; includes consumption of railroad-car shops.
[8] Includes heating of large buildings other than factories, and also some nondomestic uses not covered elsewhere. Obtained by subtraction; see item (f) and note 4. Because of this it is affected by any errors in the other items.

Source: Bureau of Mines, Department of Commerce (data were assembled from various original sources)

No. 720.—COAL: AVERAGE AND RELATIVE RETAIL PRICES [1] IN TON LOTS

Year	Anthracite, Chestnut				Anthracite, Stove				Bituminous			
	Average price		Relative price		Average price		Relative price		Average price		Relative price	
	Dollars				*Dollars*				*Dollars*			
1913 [2]	7.91		100		7.73		100		5.43		100	
	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July	Jan.	July
1917	9.40	9.16	119	116	9.29	9.08	120	118	6.96	7.21	128	133
1918	10.03	10.07	127	127	9.88	9.96	128	129	7.68	7.92	141	146
1919	11.61	12.17	147	154	11.51	12.14	149	157	7.90	8.10	145	149
1920	12.77	14.33	161	181	12.59	14.28	163	185	8.81	10.55	162	194
1921	16.13	14.95	204	189	15.99	14.90	207	193	11.82	10.47	218	193
1922	15.02	14.92	190	189	14.98	14.87	194	192	9.89	9.49	182	175
1923	15.46	15.05	195	190	15.43	15.10	200	196	11.18	10.04	206	185
1924	15.76	15.10	199	191	15.77	15.24	204	197	9.75	8.94	180	165
1925	15.37	14.93	194	189	15.45	15.14	200	196	9.24	8.61	170	159
1926	[3]	15.19	[3]	192	[3]	15.43	[3]	200	9.74	8.70	179	160
1927	15.42	14.81	195	187	15.66	15.15	203	196	9.96	8.91	183	164
1928	15.08	14.63	.91	185	15.44	14.91	200	193	9.30	8.69	171	160
1929	15.06	14.63	190	185	15.38	14.94	199	193	9.09	8.62	167	159
1930	15.00	14.53	190	184	15.33	14.84	198	192	9.11	8.65	168	159
1931	14.88	14.59	188	184	15.12	14.61	196	189	8.87	8.09	163	149
1932	14.97	13.16	189	166	15.00	13.37	194	173	8.17	7.50	150	138

[1] Prices represent combined averages for cities shown in Table 721.
[2] Average of prices for January and July, 1913. This is used as a base in working relative prices.
[3] Insufficient data.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 721.—COAL: RETAIL PRICES, FOR HOUSEHOLD USE, AS OF JANUARY 15

[Prices (in dollars) of coal per ton of 2,000 pounds unless otherwise specified]

City	Anthracite,[1] chestnut					Bituminous					
	1925	1929	1930	1931	1932	1925	1928	1929	1930	1931	1932
Atlanta, Ga						7.32	7.93	7.97	7.80	7.60	6.46
Baltimore, Md	[2] 15.75	[2] 15.50	13.75	13.75	13.75	7.38	8.07	8.00	7.89	7.75	7.36
Birmingham, Ala						7.79	7.72	7.66	7.65	7.38	6.31
Boston, Mass	16.00	16.00	15.50	15.75	15.00						
Bridgeport, Conn	15.38	15.00	15.50	14.75	14.13						
Buffalo, N. Y	13.56	13.53	13.32	13.29	13.40						
Butte, Mont						11.05	10.89	10.93	11.15	10.48	9.86
Charleston, S. C	[2] 17.10					11.00	11.00	9.67	9.67	9.67	9.50
Chicago, Ill	16.70	16.45	16.40	16.30	16.75	8.51	9.21	[3] 8.20	[3] 8.53	[3] 8.09	[3] 7.92
Cincinnati, Ohio						7.21	7.08	[3] 5.54	[3] 6.30	[3] 6.30	[3] 5.75
Cleveland, Ohio	14.88	14.97	14.75	14.50	14.31	8.37	9.00	[3] 7.43	[3] 7.10	[3] 6.81	[3] 6.61
Columbus, Ohio						6.68	7.21	[3] 6.09	[3] 6.07	[3] 6.09	[3] 5.35
Dallas, Tex	[4] 17.75	[4] 15.50	[4] 15.50	[4] 15.00	[4] 14.00	14.22	12.70	13.17	12.92	12.58	10.59
Denver, Colo	[5] 16.33	[5] 16.00	[5] 14.75	[5] 15.25	[5] 15.00	9.47	10.50	10.52	10.45	10.21	8.21
Detroit, Mich	15.38	15.50	15.50	14.92	14.50	8.93	9.31	[3] 8.33	[3] 8.39	[3] 7.41	[3] 6.38
Fall River, Mass	15.83	16.25	16.25	16.25	16.00						
Houston, Tex						12.38	12.80	13.20	13.60	12.20	10.89
Indianapolis, Ind	16.50					7.15	7.27	[3] 6.28	[3] 6.01	[3] 5.93	[3] 5.71
Jacksonville, Fla						12.00	14.00	12.00	14.00	10.00	10.00
Kansas City, Mo	[4] 15.17	[4] 12.60	[4] 12.55	[4] 12.44	[4] 11.38	8.13	7.50	7.33	7.18	6.79	6.04
Little Rock, Ark	[4] 15.00	[4] 13.50	[4] 13.50	[4] 13.50	[4] 12.00	11.00	10.60	10.25	9.95	10.05	9.22
Los Angeles, Calif						16.31	16.50	16.25	16.50	16.50	16.25
Louisville, Ky						7.37	7.46	[3] 7.16	[3] 7.01	[3] 6.24	[3] 5.23
Manchester, N. H	17.00	17.00	17.00	16.83	16.50						
Memphis, Tenn						8.11	8.33	7.37	7.85	7.44	6.78
Milwaukee, Wis	16.65	15.90	15.85	15.50	16.05	9.69	9.48	[3] 7.80	[3] 7.68	[3] 7.70	[3] 7.45
Minneapolis, Minn	17.95	17.90	17.85	16.90	18.05	10.92	11.72	[3] 10.90	[3] 10.56	[3] 9.85	[3] 9.78
Mobile, Ala						10.02	9.54	9.57	9.63	9.59	8.88
Newark, N. J	13.43	13.50	13.46	13.40	13.55						
New Haven, Conn	15.20	14.90	15.17	14.90	14.90						
New Orleans, La						11.19	11.29	11.29	10.96	10.93	9.93
New York, N. Y	14.33	14.33	14.13	13.67	13.83						
Norfolk, Va	15.50	15.00	14.00	15.00	14.50	9.27	9.05	[3] 7.88	[3] 7.25	[3] 7.38	[3] 7.00
Omaha, Nebr						10.04	10.26	9.50	9.69	9.68	8.77
Peoria, Ill						6.79	7.10	6.90	6.75	6.43	6.25
Philadelphia, Pa	[3] 15.32	[2] 14.11	[2] 14.50	13.50	13.50						
Pittsburgh, Pa	16.50	15.00	15.00	14.50	14.00	6.83	5.65	5.25	5.29	4.91	4.47
Portland, Me	16.56	16.80	16.80	16.80	16.80						
Portland, Oreg						13.64	13.32	13.07	13.46	13.38	12.11
Providence, R. I	[6] 16.00	[6] 16.00	[6] 16.00	[6] 16.00	[6] 15.75						
Richmond, Va	15.50	15.00	15.00	15.00	14.50	8.83	9.70	[3] 8.38	[3] 8.38	[3] 8.75	[3] 8.00
Rochester, N. Y	14.15	14.25	14.25	14.00	14.38						
St. Louis, Mo	16.88	16.45	16.45	15.98	16.47	6.69	7.02	6.40	6.75	6.40	5.57
St. Paul, Minn	17.95	17.90	17.85	16.90	18.05	11.57	11.98	[2] 10.68	[3] 10.27	[3] 9.58	[3] 9.60
Salt Lake City, Utah	[5] 18.50	[5] 18.00	[5] 18.00			8.40	8.34	7.86	8.37	8.47	7.58
San Francisco, Calif	[7] 26.50	[7] 26.00	[7] 26.00	[7] 26.00	[7] 26.00	17.28	17.25	16.75	16.98	17.00	17.00
Savannah, Ga	[8] 17.00					[8] 11.50	[8] 11.13	[8] 10.53	[8] 10.24	[8] 10.53	[8] 8.53
Scranton, Pa	10.62	10.33	9.92	9.88	10.03						
Seattle, Wash						10.21	10.18	10.48	10.68	10.79	10.54
Springfield, Ill						4.25	4.44	4.24	4.34	4.34	4.34
Washington, D. C	[2] 15.67	[2] 15.13	[2] 15.23	[2] 15.23	[2] 15.40	[2,3] 8.88	[2,3] 8.75	[2,3] 8.75	[2,3] 8.63	[2,3] 8.61	[2,3] 8.46

[1] The term "anthracite" signifies Pennsylvania anthracite, except as indicated by notes.
[2] Per ton of 2,240 pounds.
[3] Prepared sizes, high volatile.
[4] Arkansas anthracite, egg or furnace.
[5] Colorado anthracite, furnace, 1 and 2 mixed.
[6] 50 cents per ton additional is charged for binning.
[7] New Mexico anthracite, Cerillos egg.
[8] All coal sold is weighed by the city; charge of 10 cents per ton or half-ton is included in the price.

Source: Bureau of Labor Statistics, Department of Labor.

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No. 722.—LABOR STRIKES IN COAL MINES

Year	Men on strike	Working days lost	Average days lost per man	Year	Men on strike	Working days lost	Average days lost per man
1907[1]	32,540	462,392	14	1919	453,418	15,761,410	35
1908[1]	145,145	5,449,938	38	1920	282,419	5,914,473	21
1909	24,763	723,634	29	1921	151,263	3,106,103	21
1910	218,493	19,250,524	88	1922	603,031	73,497,043	122
1911	41,413	983,737	24	1923	197,214	3,868,543	20
1912	311,056	12,527,305	40	1924	129,452	5,362,748	41
1913	135,395	3,049,412	23	1925	186,369	16,433,036	88
1914	161,720	11,013,667	68	1926	174,724	6,707,778	38
1915	67,190	2,467,431	37	1927[2]	193,322	26,675,109	138
1916	170,633	3,344,586	20	1928	86,870	4,605,086	53
1917	160,240	2,348,399	15	1929	58,052	468,453	8
1918	79,395	508,526	6	1930	41,000	1,102,758	27

State	1927		1928		1929		1930	
	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost	Men on strike	Days lost
Grand total	193,322	26,675,109	88,870	4,605,086	58,052	468,453	41,000	1,102,758
Anthracite (Pa.)	20,478	159,242	36,128	400,682	39,777	272,511	18,202	112,398
Total bituminous	172,844	26,515,867	50,742	4,204,404	18,275	195,942	22,798	990,360
Arkansas	389	41,810			95	2,177		
Colorado	5,429	267,210	1,594	57,184				
Illinois	66,992	10,018,566	21,815	1,463,409	10,162	68,155	9,483	348,779
Indiana	17,303	2,345,279	3,216	91,842	3,851	58,553	2,008	32,003
Iowa	5,624	815,764	1,986	68,623	810	2,434	591	3,754
Kansas	3,014	390,711	1,525	168,766	106	3,341		
Kentucky	1,824	24,756	1,130	14,125	561	4,286	6,436	562,067
Maryland								
Michigan	470	1,510	430	6,320	762	3,894	630	2,560
Missouri	2,662	336,972	941	67,585	211	633	50	700
Montana			1,219	9,178				
Ohio	26,250	5,605,443	9,222	1,576,960	943	46,165	1,143	12,583
Oklahoma	163	25,428						
Pennsylvania[1]	41,692	6,591,870	5,999	658,111	313	4,073	924	14,689
Tennessee	50	3,000	265	795	200	1,200		
Texas								
Utah								
Washington								
West Virginia	982	47,548	210	18,650			1,523	13,215
Other States			1,190	3,057	261	1,031	10	10

[1] Bituminous mines only.
[2] Owing to unusual conditions, figures tend to understate extent of the strike and number of idle miners.

Source: Bureau of Mines, Department of Commerce.

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No. 723.—COKE: Production, Exports, and Imports

Yearly average or year	Production in thousands of short tons (2,000 pounds)			By-product ovens, per cent of total	Production (value) in thousands of dollars	Exports	Imports[1]
	Total	Beehive ovens	By-product ovens			Thousand of short tons (2,000 pounds)	
1896–1900	16,265	15,741	524	3.2	30,293	265	54
1901–1905	25,673	23,566	2,107	8.2	58,581	519	150
1906–1910	36,848	31,296	5,552	15.1	91,068	904	159
1911–1915	40,394	29,000	11,394	28.2	103,739	897	98
1916–1920	52,429	27,733	24,696	47.1	320,799	1,182	34
1921–1925	42,985	11,026	31,959	74.4	251,967	734	99
1926–1930	53,724	6,687	47,037	87.6	262,212	1,027	171
1914	34,556	23,336	11,220	32.5	88,334	664	133
1915	41,581	27,508	14,073	33.8	105,504	896	53
1916	54,534	35,464	19,069	35.0	170,841	1,175	55
1917	55,607	33,168	22,439	40.4	298,243	1,409	25
1918	56,478	30,481	25,998	46.0	382,324	1,688	30
1919	44,181	19,043	25,138	56.9	258,340	717	16
1920	51,345	20,511	30,834	60.0	475,981	920	41
1921	25,288	5,538	19,750	78.1	147,673	307	31
1922	37,124	8,573	28,551	76.9	238,313	512	94
1923	56,978	19,380	37,598	66.0	373,497	1,237	85
1924	44,270	10,286	33,984	76.8	244,042	660	83
1925	51,267	11,355	39,912	77.9	262,559	954	202
1926	56,866	12,489	44,377	78.0	307,773	987	285
1927	51,092	7,207	43,885	85.9	262,321	807	169
1928	52,806	4,493	48,313	91.5	252,834	1,098	148
1929	59,884	6,472	53,412	89.2	278,995	1,238	120
1930	47,972	2,776	45,196	94.2	209,137	1,004	133
1931	33,484	1,128	32,356	96.6	161,609	754	97

[1] Imports entered for consumption, prior to 1925.

No. 724.—COKE: By-Product and Beehive Production, by States

[Figures in thousands of short tons (2,000 pounds)]

	1915	1920	1924	1925	1927	1928	1929	1930	1931
BY-PRODUCT									
Total	**14,073**	**30,834**	**33,984**	**39,912**	**43,885**	**48,313**	**53,412**	**45,196**	**32,356**
Alabama	2,070	3,124	4,386	4,582	4,364	4,327	4,754	3,987	2,943
Colorado	----	517	523	490	594	606	565	379	226
Illinois	1,687	2,137	2,355	3,012	3,014	3,241	4,204	3,576	2,479
Indiana	2,768	4,554	4,272	5,142	5,550	6,094	6,455	4,984	2,757
Maryland	313	682	810	1,019	1,077	1,186	1,393	1,169	818
Massachusetts	504	488	398	535	744	687	777	863	1,150
Michigan	(1)	1,393	1,771	1,751	1,920	2,400	2,680	2,604	2,437
Minnesota	128	675	515	518	633	623	746	641	440
New Jersey	269	726	869	904	906	903	898	919	931
New York	684	1,040	1,601	2,220	3,603	3,803	4,299	3.850	3,578
Ohio	666	5,615	5,723	7,105	7,214	7,786	8,521	6,163	3,933
Pennsylvania	3,092	7,730	8,426	9,853	11,061	13,475	14,489	12,529	7,525
West Virginia	141	447	999	1,056	1,396	1,368	1,431	1,479	1,265
All other States	1,749	1,706	1,335	1,725	1,808	1,814	2,199	2,051	1,873
BEEHIVE									
Total	**27,508**	**20,511**	**10,286**	**11,355**	**7,207**	**4,493**	**6,472**	**2,776**	**1,128**
Pennsylvania	22,531	15,908	8,501	9,574	5,716	3,442	5,368	2,011	856
Ohio	19	87	110	156	(1)	(1)			
West Virginia	1,250	1,381	330	490	527	431	497	422	114
Alabama	1,001	890	155	88	----	----	----	----	----
Kentucky	285	273	79	(1)	(1)	(1)	----	----	----
Tennessee	234	163	132	128	105	104	96	25	17
Virginia	630	1,028	485	422	317	248	315	220	99
Colorado	671	273	212	155	194	144	156	79	(1)
Utah	(1)	(1)	160	146	85	28	14	7	(1)
All other States	887	509	123	196	263	46	26	12	43

[1] Included under "all other States."

Source of tables 723 and 724: Bureau of Mines, Department of Commerce.

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No. 725.—MANUFACTURED-GAS INDUSTRY: MATERIALS USED AND PRODUCTS

NOTE.—These figures cover establishments engaged primarily in the commercial manufacture of gas to be delivered through mains. Gas produced and consumed within the same establishment, blast-furnace gas, and gas resulting from by-product coke-oven operation are not included

Material or product	Unit	Quantity (thousands of unit specified)			Cost or value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Materials used, total cost					178,423	211,786	188,416
Coal for gas making:							
Anthracite	Long ton [1]	619	113	68			
Bituminous	Short ton [2]	6,871	8,102	8,918			
Oil for gas making	Gallon	212,211	230,729	196,701			
Oil for carbureting	do	679,378	683,048	673,021			
Gas purchased	M. cu. ft.	64,569	96,618	103,209			
Products, total value					455,460	516,705	512,653
Commercial plants					448,218	509,277	505,590
Municipal plants					7,242	7,428	7,063
Gas for sale, total	M. cu. ft.	359,402	412,236	408,401	395,969	446,245	438,243
Coal gas	do	7,411	[3]	[3]	12,481	[3]	[3]
Carbureted water gas	do	112,186	[3]	[3]	136,624	[3]	[3]
Mixed coal and water gas	do	210,743	[3]	[3]	213,918	[3]	[3]
Oil gas	do	24,289	[3]	[3]	29,040	[3]	[3]
Other gas	do	4,774	[3]	[3]	3,904	[3]	[3]
Coke for sale	Short ton [2]	2,398	2,977	3,444	20,721	25,514	26,868
Tar for sale:							
Coal gas	Gallon	63,803	78,691	88,149	3,547	4,449	4,816
Water gas and oil gas	do	61,471	83,479	75,546	2,594	3,768	3,354
All other products					32,631	36,729	39,372

[1] 2,240 pounds. [2] 2,000 pounds. [3] Not called for on schedule.

No. 726.—PRODUCTION, PURCHASE, AND SALE OF GAS BY COMPANIES ENGAGED IN THE MANUFACTURED-GAS INDUSTRY

[In millions of cubic feet]

Year	Gas sold	Year	Gas sold	Year	Total gas produced and purchased	Produced	Purchased		Gas sold
							Coke-oven gas	Natural gas	
1904	113,930	1913	188,286	1922	389,000	300,682	52,883	35,435	350,000
1905	112,444	1914	198,839	1923	418,000	313,718	65,872	38,410	384,722
1906	122,850	1915	204,310	1924	441,381	324,765	63,350	53,266	405,206
1907	132,012	1916	231,381	1925	457,100	324,400	76,600	56,100	421,406
1908	138,570	1917	264,493	1926	492,042	353,886	83,640	54,516	455,631
1909	143,118	1918	271,593	1927	508,323	354,456	91,270	62,597	471,000
1910	149,431	1919	300,000	1928	537,193	362,889	96,931	77,373	495,800
1911	159,101	1920	319,888	1929	578,304	352,060	118,159	[1] 108,085	524,100
1912	178,229	1921	326,950	1930	573,387	325,886	118,464	[1] 129,037	522,900

[1] Includes 2,142,000,000 cubic feet of oil refinery gas purchased in 1929 and 2,008,600,000 cubic feet in 1930, and also a small quantity of natural gas produced.

No. 727.—AVERAGE NET PRICE OF MANUFACTURED GAS

NOTE.—Net prices for the first 1,000 cubic feet for household use in cities specified in the first section of Table 728

Date	Actual	Relative	Date	Actual	Relative	Date	Actual	Relative
Apr. 15, 1913	$0.95	100	Apr. 15, 1920	$1.09	115	Dec. 15, 1926	$1.22	128
Apr. 15, 1914	.94	99	May 15, 1921	1.32	139	Dec. 15, 1927	1.22	128
Apr. 15, 1915	.93	98	Mar. 15, 1922	1.29	136	Dec. 15, 1928	1.22	128
Apr. 15, 1916	.92	97	Mar. 15, 1923	1.25	132	Dec. 15, 1929	1.21	127
Apr. 15, 1917	.91	96	Mar. 15, 1924	1.24	131	Dec. 15, 1930	1.18	124
Apr. 15, 1918	.95	100	Dec. 15, 1924	1.24	131	Dec. 15, 1931	1.16	122
Apr. 15, 1919	1.04	110	Dec. 15, 1925	1.23	130			

Sources: Table 725, Bureau of the Census, Department of Commerce; Table 726, American Gas Association; Table 727, Bureau of Labor Statistics, Department of Labor.

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No. 728.—RETAIL PRICES OF GAS IN PRINCIPAL CITIES

NOTE.—Prices are net per 1,000 cubic feet of gas for household use. Prices for manufactured gas are based on a family consumption of 3,000 cubic feet per month. In cities where a service charge or a sliding scale is in operation rates are slightly higher for families using less than 3,000 cubic feet per month and slightly lower for those consuming more. Prices for natural gas and for manufactured and natural mixed gas are based on a family consumption of 5,000 cubic feet per month

City	Apr. 15, 1913	Apr. 15, 1915	Apr. 15, 1919	Apr. 15, 1920	May 15, 1921	June 15, 1922	June 15, 1923	June 15, 1924	June 15, 1925	June 15, 1926	June 15, 1927	June 15, 1928	June 15, 1929	June 15, 1930	June 15, 1931	Dec. 15, 1931
MANUFACTURED GAS																
Atlanta	$1.00	$1.00	$1.15	$1.15	$1.90	$1.65	$1.65	$1.55	$1.55	$1.55	$1.55	$1.55	$1.43			
Baltimore	.90	.80	.75	.75	.75	.92	.92	.85	.85	.85	.85	.85	.85	$0.85	$0.85	$0.85
Birmingham	1.00	.95	.95	.95	.88	.88	.80	.80	.80	.80	.80	.80	.80	.80	.80	.80
Boston	.81	.80	1.05	1.08	1.40	1.32	1.25	1.20	1.18	1.18	1.18	1.18	1.18	1.16	1.16	1.16
Butte	1.49	1.49	1.49	1.49	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	2.10	
Charleston, S. C.	1.10	1.10	1.10	1.25	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.45	1.45
Chicago	.80	.80	.90	.87	1.20	1.07	1.07	1.02	1.02	1.02	1.02	.98	.98	.98	[1] .98	
Cleveland	.80	.80	.80	.80	.80	.80	.80	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25
Denver	.85	.80	.95	.95	.95	.95	.95	.95	.95	.95	.90	.90				
Detroit	.75	.75	.79	.79	.85	.79	.79	.82	.82	.79	.79	.79	.79	.79	.79	.79
Fall River	.80	.80	.95	1.05	1.25	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.15	1.14	1.14	1.14
Houston	1.00	1.00	1.00	1.09	1.09	1.09	1.09	1.09	1.05							
Indianapolis	.60	.55	.60	.60	.90	1.20	1.15	1.15	1.10	1.05	1.05	.95	.95	.95	.95	.95
Jacksonville	1.20	1.15	1.25	1.50	1.75	1.65	1.65	1.97	1.97	1.97	1.92	1.92	1.92	1.92	1.92	1.92
Manchester	1.10	1.00	1.18	1.18	1.58	1.48	1.48	1.38	1.38	1.38	1.38	1.34	1.34	1.34	1.34	1.34
Memphis	1.00	1.00	.93	1.27	1.35	1.20	1.20	1.20	1.20	1.20	1.20	1.20				
Milwaukee	.75	.75	.75	.75	.90	.90	.86	.82	.82	.82	.82	.82	.82	.82	.82	.82
Minneapolis	.85	.80	.95	.95	1.28	1.02	1.05	1.01	.95	.97	.96	.94	.89	1.05	.96	.96
Mobile	1.10	1.10	1.35	1.35	1.80	1.80	1.80	1.80	1.80	1.80	1.76	1.76	1.76	1.76		
Newark	1.00	.90	.97	1.15	1.40	1.25	1.25	1.20	1.20	1.20	1.20	1.20	1.20	1.21	1.21	1.21
New Haven	.90	.90	1.10	1.10	1.27	1.18	1.18	1.18	1.13	1.13	1.13	1.13	1.13	1.13	1.13	1.13
New Orleans	1.10	1.00	1.30	1.30	1.30	1.45	1.30	1.30	1.30	1.30	1.30	1.30				
New York	.84	.83	.85	.87	1.40	1.31	1.23	1.23	1.23	1.23	1.24	1.25	1.25	1.24	1.24	1.24
Norfolk	1.00	1.00	1.20	1.60	1.40	1.40	1.40	1.40	1.40	1.33	1.33	1.33	1.33	1.32	1.32	1.32
Omaha	1.15	1.15	1.15	1.15	1.47	1.18	1.18	1.18	1.08	1.08	1.08	1.00	.95	.95	.88	.79
Peoria	.90	.90	.85	.85	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	[2] 1.20	[2] 1.19
Philadelphia	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.95	.95
Portland, Me.	1.10	1.00	1.00	1.40	1.85	1.65	1.55	1.55	1.55	1.50	1.42	1.42	1.42	1.42	1.42	1.42
Portland, Oreg.	.95	.95	.95	.95	1.38	1.25	1.16	1.16	1.16	1.19	1.17	1.17	1.17	1.17	1.17	1.17
Providence	.85	.85	1.30	1.30	1.42	1.42	1.22	1.22	1.17	1.17	1.13	1.13	1.13	1.13	1.13	1.13
Richmond	.90	.90	1.00	1.00	1.30	1.30	1.30	1.30	1.30	1.29	1.29	1.29	1.29	1.29	1.29	1.29
Rochester	.95	.95	.95	.95	1.18	1.10	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
St. Louis	.80	.80	.75	.85	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.11	1.11	1.10
St. Paul	.95	.90	.85	.85	1.00	1.00	.85	.85	.85	.90	.90	.90	.90	.90	.90	.90
Salt Lake City	.87	.87	1.15	1.35	1.57	1.57	1.57	1.57	1.54	1.53	1.52	1.51	1.51			
San Francisco	.75	.85	.95	.95	1.05	1.02	.92	1.00	1.05	.95	.95	.94	.90			
Savannah				1.25	1.60	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45
Scranton	.95	.95	1.30	1.30	1.70	1.60	1.60	1.50	1.50	1.50	1.40	1.40	1.40	1.40	1.40	1.40
Seattle	1.00	1.00	1.20	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.45	1.43	1.43	1.43
Springfield, Ill.	1.00	1.00	1.10	1.10	1.40	1.40	1.35	1.35	1.35	1.25	1.25	1.25	1.25	1.25	[3] 1.25	[3] 1.25
Washington	.93	.93	.95	.95	1.25	1.05	1.05	1.00	1.00	1.00	1.00	1.00	1.00	1.00	.95	.95
NATURAL GAS																
Atlanta														$1.17	$1.09	$1.09
Butte																.70
Cincinnati	$0.30	$0.30	$0.35	$0.35	$0.35	$0.50	$0.50	$0.50	$0.75	$0.75	$0.75	$0.75	$0.75	.75	.75	.75
Cleveland	.30	.30	.35	.35	.35	.40	.55	.55	.55	.60	.60	.60	.60	.60	.60	.60
Columbus	.30	.30	.30	.30	.30	.45	.45	.45	.55	.55	.48	.48	.48	.48	.48	.48
Dallas	.45	.45	.45	.45	.68	.68	.68	.68	.74	.74	.79	.79	.79	.79	.79	.79
Denver													.99	.99	.99	.99
Houston										.75	.75	.75	.75	.75	.75	.75
Kansas City	.27	.27	.80	.80	.90	.90	.95	.95	.95	.95	.95	.95	.95	.95	.95	.95
Little Rock	.40	.40	.45	.45	.45	.45	.45	.65	.65	.65	.65	.65	.65	.65	.65	.65
Los Angeles										.91	.91	.84	.84	.84	.84	.84
Louisville		.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45
Memphis													.97	.95	.95	.95
Mobile															1.24	1.24
New Orleans													.95	.95	.95	.95
Pittsburgh	.28	.28	.35	.35	.45	.50	.50	.53	.60	.60	.60	.60	.60	.60	.60	.60
Salt Lake City														.99	.99	.87
San Francisco														.97	.97	.97
MANUFACTURED AND NATURAL GAS MIXED																
Buffalo								$0.60	$0.60	$0.65	$0.65	$0.65	$0.65	$0.65	$0.65	$0.65
Chicago																[3] 1.32

[1] Based on 15.9 therms, equivalent to 3,000 cubic feet of 530 British thermal units heating value.
[2] Based on 17 therms, equivalent to 3,000 cubic feet of 565 British thermal units heating value.
[3] Based on 40 therms, equivalent to 3,000 cubic feet of 800 British thermal units heating value.
Source: Bureau of Labor Statistics, Department of Labor.

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No. 729.—NATURAL GAS AND NATURAL GASOLINE

NOTE.—Quantities of gas in millions of cubic feet, of gasoline in thousands of gallons; values in thousands of dollars. Production figures for gas refer only to that marketed, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Values given are at the point of consumption. Consumption figures by States differ greatly from production figures by reason of interstate transportation

Yearly average or year	Natural gas produced and marketed		Natural gasoline			Year	Natural gas produced and marketed		Natural gasoline		
	Quantity	Value	Gas treated	Production	Value		Quantity	Value	Gas treated	Production	Value
1906–1910	437,057	57,940				1923	1,006,976	240,001	875,711	816,226	77,268
1911–1915	575,708	88,492	11,602	30,317	2,481	1924	1,141,521	253,856	1,016,276	933,861	82,233
1916–1920	762,681	154,590	412,787	268,038	48,174	1925	1,188,571	265,271	1,040,390	1,127,470	120,383
1921–1925	947,419	229,002	820,445	762,151	82,205	1926	1,313,019	300,168	1,206,300	1,363,090	136,412
1926–1930	1,637,540	362,238	1,613,811	1,852,490	136,123	1927	1,445,428	317,930	1,341,248	1,641,144	118,688
1919	745,916	160,888	480,404	351,535	64,197	1928	1,568,139	363,726	1,473,434	1,814,034	138,944
1920	798,210	196,194	496,431	384,744	71,788	1929	1,917,693	413,276	1,959,294	2,233,688	158,410
1921	662,052	174,617	465,097	449,934	61,815	1930	1,943,421	416,090	2,088,778	2,210,494	128,160
1922	762,546	221,535	545,139	505832	72,711	1931 [1]	1,686,436	392,815	1,618,000	1,831,918	65,964

State	Natural gas produced and marketed					Natural gas consumed	Natural gasoline produced		
	1915	1920	1925	1929	1930	1930	1929	1930	1931 [1]
Total	**628,579**	**798,210**	**1,188,571**	**1,917,693**	**1,943,421**	**1,941,644**	**2,233,688**	**2,210,494**	**1,831,918**
Arkansas	[2] 992	19,050	41,878	19,928	18,585	38,231	33,455	30,637	26,282
California	21,891	66,041	187,789	342,214	334,789	334,789	840,325	829,713	680,339
Illinois	2,690	3,013	4,165	2,983	2,890	9,602	7,080	6,867	5,024
Indiana	2,261	4,435	1,168	1,012	1,217	2,515	2	2	1
Kansas	27,046	33,140	26,917	38,469	37,630	75,635	36,227	35,106	32,690
Kentucky	1,667	15,297	10,770	27,588	28,023	15,966	6,006	6,641	5,464
Louisiana	25,540	46,219	152,620	261,138	278,341	184,096	64,957	73,693	58,034
Montana	6	818	1,496	9,659	10,060	[3] 8,065			
New York	7,977	19,127	[4] 6,210	[4] 8,387	[4] 9,624	18,991	264	208	132
Ohio	79,510	136,872	43,235	57,936	63,394	125,816	11,166	8,937	5,199
Oklahoma	87,517	126,689	249,285	357,893	348,116	320,851	676,030	591,194	454,886
Pennsylvania	113,682	161,397	101,632	101,951	88,706	108,218	18,411	16,713	14,339
Texas	13,324	49,467	[5] 134,872	[5] 464,928	[5] 517,880	526,160	419,485	491,299	426,695
West Virginia	244,004	100,289	180,345	167,333	144,180	62,882	72,994	63,328	52,844
Wyoming	[6] 342	10,312	45,539	44,648	43,219	40,219	44,544	51,132	51,523
All other	120	6,044	650	11,626	16,767	69,608	2,742	5,024	18,466

[1] Preliminary. [2] Includes gas piped from Oklahoma and consumed in Arkansas.
[3] Includes 21,000,000 cubic feet piped from Canada.
[4] Includes 68,000,000 cubic feet piped to Canada in 1925, 103,000,000 in 1929, and 107,000,000 in 1930.
[5] Includes 64,000,000 cubic feet piped to Mexico in 1925, 139,000,000 in 1929, and 1,691,000,000 in 1930.
[6] Includes Colorado.

No. 730.—ASPHALT: PRODUCTION, EXPORTS, AND IMPORTS

Quantity and value	1910	1915	1920	1925	1930	1931
QUANTITY (TONS OF 2,000 POUNDS)						
Manufactured asphalt produced and sold [1]	161,187	1,052,821	1,746,275	3,178,370	4,260,472	4,073,870
From domestic petroleum	161,187	664,503	709,496	1,206,700	2,273,546	2,206,568
From foreign petroleum		388,318	1,045,779	1,971,670	1,986,926	1,867,302
Native asphalt produced and sold [2]	98,893	75,751	198,497	584,850	702,777	503,383
Asphalt (chiefly lake) imported	186,340	138,248	128,414	122,162	53,198	73,672
Asphalt exported:						
Native, unmanufactured		42,787	51,706	32,835	23,160	18,977
Petroleum asphalt				59,014	410,389	288,100
VALUE (THOUSANDS OF DOLLARS)						
Manufactured asphalt produced and sold [1]	2,226	8,446	26,258	42,826	42,752	31,731
From domestic petroleum	2,226	4,716	11,985	15,306	21,570	16,540
From foreign petroleum		3,730	14,273	27,520	21,181	15,191
Native asphalt produced and sold [2]	854	526	1,214	4,148	4,463	2,930
Asphalt (chiefly lake) imported	776	680	1,068	907	457	726
Asphalt exported:						
Native—						
Unmanufactured		736	1,356	826	629	531
Manufactured, including roofing		439	842	2,526	1,808	970
Petroleum asphalt				1,762	7,277	4,941

[1] Including road oil.
[2] Native asphalt and related bitumens.

Source: Tables 729 and 730, Bureau of Mines, Department of Commerce.

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No. 731.—PRODUCTION OF CRUDE PETROLEUM

[Quantities in thousands of barrels (42 gallons); values in thousands of dollars]

Yearly average	Quantity	Value	Year	Quantity	Value	Year	Quantity	Value
1861–1865	2,479	9,965	1906	126,494	92,445	1920	442,929	1,360,745
1866–1870	4,013	15,795	1907	166,095	120,107			
1871–1875	8,221	16,430	1908	178,527	129,079	1921	472,183	814,745
1876–1880	16,816	22,926	1909	183,171	128,329	1922	557,531	895,111
			1910	209,557	127,900	1923	732,407	978,430
1881–1885	25,508	22,933				1924	713,940	1,022,683
1886–1890	32,990	25,830	1911	220,449	134,045	1925	763,743	1,284,960
1891–1895	51,095	35,708	1912	222,935	164,213			
1896–1900	59,498	56,836	1913	248,446	237,121	1926	770,874	1,447,760
1901–1905	102,083	83,524	1914	265,763	214,125	1927	901,129	1,172,830
			1915	281,104	179,463	1928	901,474	1,054,880
1906–1910	172,769	119,572				1929	1,007,323	1,280,417
1911–1915	247,739	185,793	1916	300,767	330,900	1930	898,011	1,070,200
1916–1920	362,661	735,698	1917	335,316	522,635			
1921–1925	647,961	999,186	1918	355,928	703,944	1931	851,081	550,630
1926–1930	895,762	1,205,217	1919	378,367	760,266			

Source: Bureau of Mines, Department of Commerce.

No. 732.—PETROLEUM PRODUCTION, IMPORTS, EXPORTS, AND BUNKER OIL LADEN ON VESSELS IN FOREIGN TRADE

NOTE.—Exports of refined oils include residuum prior to 1913 and exclude it thereafter. Exports exclude reexports of imported oils

Period	Quantity (thousands of barrels of 42 gallons)						Value (millions of dollars)				
	Production, crude oil	Imports		Exports		Bunker oil	Imports		Exports		Bunker oil
		Crude oil	Refined oils	Crude oil	Refined oils		Crude oil	Refined oil	Crude oil	Refined oils	
1871–1880	12,519	[1]	[1]	528	6,026	[1]	[1]	[1]	2.4	37.7	[1]
1881–1890	29,249	[1]	[1]	1,719	12,084	[1]	[1]	[1]	5.1	43.7	[1]
1891–1895	51,095	[1]	[1]	2,606	16,751	[1]	[1]	[1]	5.0	40.8	[1]
1896–1900	59,498	[1]	[1]	2,907	20,240	[1]	[1]	[1]	5.8	57.1	[1]
1901–1905	102,083	[1]	[1]	3,029	22,317	[1]	[1]	[1]	0.3	68.5	[1]
1906–1910	172,769	[2] 295	[1]	3,686	30,521	[1]	[2] 0.7	[1]	6.4	90.4	[1]
1911–1915	247,739	12,080	293	4,134	44,475	[1]	7.6	1.1	6.1	125.8	[1]
1916–1920	362,661	49,531	1,396	5,413	58,896	11,681	26.5	5.0	14.1	323.7	24.2
1921–1925	647,961	94,857	12,545	13,330	76,455	36,501	68.0	22.2	22.5	363.6	55.9
1926–1930	895,762	67,919	23,779	20,062	119,700	50,198	78.6	51.8	30.2	464.7	62.3
1914	265,763	16,913	336	2,970	48,716	[3] 1,302	10.0	1.5	5.0	133.7	[3] 1.1
1915	281,104	18,139	44	3,768	51,377	3,566	10.4	.2	4.3	138.3	3.2
1916	300,767	20,797	414	4,096	57,833	5,530	12.6	1.3	7.0	194.5	5.6
1917	335,316	30,127	1,401	4,098	58,999	5,908	16.3	4.3	7.7	245.2	7.4
1918	355,928	37,736	1,207	4,901	59,727	6,603	21.3	4.4	12.1	332.2	11.7
1919	378,367	52,822	1,340	5,924	52,641	14,031	26.4	5.0	14.8	327.0	29.4
1920	442,929	106,175	2,619	8,045	65,278	26,335	55.8	10.1	29.0	519.3	66.7
1921	472,183	125,364	3,412	8,865	57,534	27,076	66.5	10.8	20.2	363.5	57.2
1922	557,531	127,308	8,639	9,995	59,592	31,692	70.4	17.8	18.3	312.6	43.7
1923	732,407	82,015	17,592	17,061	77,893	37,582	53.9	24.3	23.1	327.0	52.2
1924	713,940	77,775	16,760	17,605	93,411	43,328	73.8	26.9	26.5	392.3	58.0
1925	763,743	61,824	16,324	13,125	93,843	42,827	75.4	31.3	24.3	422.6	68.2
1926	770,874	60,382	20,902	15,406	108,398	46,662	79.3	44.6	28.5	497.2	71.0
1927	901,129	58,383	13,281	15,843	115,399	50,051	78.6	33.6	25.9	429.7	73.0
1928	901,474	79,767	11,701	18,961	126,159	51,226	90.5	40.9	26.8	465.2	59.4
1929	1,007,323	78,933	29,632	26,394	126,377	52,278	79.9	61.0	37.8	493.4	54.7
1930	898,011	62,129	43,381	23,704	122,167	50,773	64.9	78.7	32.2	438.2	53.6
1931	851,081	47,250	38,702	25,535	91,009	43,714	39.2	52.1	20.8	232.3	38.8

[1] Data are not available.
[2] Average for years 1908–1910 for total mineral oils.
[3] July to December. Reports for July and August did not include San Francisco.

Source: Bureau of Mines and Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 733.—PETROLEUM, CRUDE: PRODUCTION BY REGIONS AND STATES, AND APPROXIMATE WORLD PRODUCTION

[In thousands of barrels of 42 gallons]

Section	1901–1910 (average)	1911–1915 (average)	1916–1920 (average)	1921–1925 (average)	1926–1930 (average)	1928	1929	1930	1931
World total [1]	236,795	384,345	541,733	944,768	1,316,008	1,324,733	1,485,867	1,410,037	1,370,299
United States [2]	137,426	247,739	362,661	647,961	895,762	901,474	1,007,323	898,011	851,081
Per cent of total	*58.0*	*64.4*	*66.8*	*68.6*	*68.1*	*68.0*	*67.8*	*63.7*	*62.1*
Regions:									
Appalachian	28,943	24,594	27,161	28,504	31,603	31,059	33,824	34,105	30,401
Lima—N. E. Ind. [3]—Mich	17,253	5,052	3,468	2,298	3,603	2,264	6,075	5,276	4,941
Illinois—S. W. Indiana [3]	12,659	24,955	13,918	9,585	7,495	7,425	7,237	6,677	5,842
Mid-continent	25,088	87,656	184,616	343,545	527,944	553,125	584,280	531,447	543,736
Gulf	17,436	12,357	24,273	33,688	54,140	46,591	57,106	69,676	57,592
Rocky Mountain	402	2,605	11,830	35,258	29,468	29,199	26,267	23,501	19,739
California	35,641	90,512	97,384	195,074	241,509	231,811	292,534	227,329	188,830
States:									
Arkansas				36,644	35,010	32,096	24,917	19,702	14,791
California	35,641	90,512	97,384	195,074	241,509	231,811	292,534	227,329	188,830
Colorado	381	211	139	392	2,477	2,774	2,358	1,656	1,545
Illinois	12,659	24,955	13,918	8,815	6,654	6,462	6,319	5,736	5,039
Indiana	6,527	1,167	865	1,011	937	1,052	981	994	840
Kansas [4]	4,603	2,235	32,556	32,733	41,123	38,596	42,813	41,638	37,018
Kentucky [5]	696	484	5,335	8,044	7,103	7,359	7,775	7,389	6,456
Louisiana	4,310	12,997	19,117	25,759	22,338	21,847	20,554	23,272	21,804
Michigan				1	1,913	594	4,528	3,911	3,789
Montana			129	2,729	4,826	4,015	3,980	3,349	2,830
New Mexico [6]				[7] 554	3,171	943	1,830	10,189	15,227
New York	1,153	920	864	1,274	2,765	2,603	3,377	3,647	3,363
Ohio	15,677	8,586	7,583	7,045	7,022	7,015	6,743	6,486	5,327
Oklahoma [4]	19,076	68,624	102,209	155,088	235,663	249,857	255,004	216,486	180,574
Pennsylvania	10,538	8,002	7,662	7,607	10,613	9,956	11,820	12,803	11,892
Texas	14,534	16,256	55,008	127,009	245,792	257,320	296,876	290,457	332,437
West Virginia	11,605	10,487	8,311	6,575	5,655	5,661	5,574	5,071	4,472
Wyoming	21	2,394	11,562	31,901	21,145	21,461	19,314	17,868	14,834

[1] Estimated. [2] Includes for certain years small quantities not distributed by regions and States.
[3] Southwestern Indiana reported with Illinois beginning 1921; previously with Lima-Indiana region.
[4] Kansas includes report for Oklahoma in 1905 and 1906.
[5] Kentucky includes report for Tennessee from 1891 to 1907. [6] Not shown separately prior to 1924.
[7] Average for years 1924 and 1925.

No. 734.—STOCKS OF CRUDE AND REFINED MINERAL OILS ON DECEMBER 31

[In thousands of barrels of 42 gallons]

	1925	1926	1927	1928	1929	1930	1931
Stocks of crude petroleum, total [1]	431,646	[2] 403,338	473,379	[2] 491,847	[2] 535,514	[2] 512,665	464,193
Stocks east of California [3]	293,852	278,264	352,038	368,353	381,198	361,876	322,603
Light		225,404	303,539	319,928	341,829	329,147	
Heavy		52,860	48,499	48,425	39,369	32,729	
Pipe line and tank-farm stocks by field of origin, total	264,245	242,180	312,637	327,565	334,891	320,740	286,057
Appalachian	8,493	7,790	7,334	5,515	5,239	6,492	6,115
Lima-N. E. Indiana-Michigan	971	666	1,134	1,162	544	1,453	1,560
Illinois and southwestern Indiana	10,582	11,770	12,170	11,367	10,411	10,252	9,790
Mid-continent	195,941	173,848	246,839	265,748	274,187	259,139	231,976
Gulf coast	19,263	20,031	17,922	18,272	20,129	18,255	13,316
Rocky Mountain	28,995	28,075	27,238	25,501	24,381	25,149	23,300
Refinery stocks	29,200	35,475	39,317	40,529	46,195	41,136	36,546
Foreign petroleum held by importers	407	609	84	259	112		
Producers' stocks (at wells)	7,560	5,904	7,536	6,521	6,198	6,608	6,202
Stocks in California [1]	130,234	[2] 119,170	113,805	[2] 116,973	[2] 148,118	[2] 144,181	135,388
Light	44,451	30,861	20,086	[2] 17,755	41,049	[2] 43,398	42,114
Heavy [1]	85,783	[2] 88,309	93,719	[2] 99,218	[2] 107,069	[2] 100,783	93,274
Natural gasoline [4]	326	455	734	607	604	[2] 3,100	2,818
Stocks of refined oils [5] [6]	120,492	123,291	123,063	128,556	[2] 153,379	[2] 150,897	154,662
Grand total stocks all oils	552,464	[2] 527,084	597,176	[2] 621,010	[2] 689,497	[2] 666,662	621,673

[1] Includes fuel oil in California.
[2] Revised, not comparable with previous years.
[3] Exclusive of producers' stocks.
[4] Natural gasoline at plants prior to 1930.
[5] Includes wax, coke, asphalt, and residuum.
[6] Includes natural gasoline at refinery prior to 1930.

Source of Tables 733 and 734: Bureau of Mines, Department of Commerce

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No. 735.—SUPPLY AND DEMAND OF CRUDE AND REFINED OILS

[In thousands of barrels of 42 gallons]

	1925	1926	1927	1928	1929	1930	1931
Total new supply of all oils	**870,107**	**886,611**	**1,014,084**	**1,038,166**	**1,171,359**	**1,058,949**	**982,611**
Domestic production, total	791,907	805,291	942,348	946,609	1,062,649	953,331	896,524
Crude petroleum	763,743	770,874	901,129	901,474	1,007,323	898,011	851,081
Natural gasoline	26,307	32,305	38,657	42,326	52,271	52,631	43,617
Benzol	1,857	2,112	2,562	2,809	3,055	2,689	1,826
Imports—							
Crude	61,824	60,382	58,383	79,767	78,933	62,129	47,250
Refined [1]	16,370	20,938	13,353	11,790	29,777	43,489	38,837
Change in stocks [2]	**+29,291**	**−26,419**	**+70,092**	**+22,775**	**+68,156**	**−24,000**	**−44,989**
Total demand	**840,816**	**913,030**	**943,992**	**1,015,391**	**1,103,203**	**1,082,949**	**1,027,600**
Exports [3]—							
Crude	13,337	15,407	15,844	18,966	26,401	23,705	25,535
Refined [1]	100,497	116,543	125,805	135,991	136,719	132,794	98,859
Domestic [4]	726,982	781,080	802,343	860,434	940,083	926,450	903,206
Bunker oil	42,827	46,662	50,051	51,226	52,278	50,773	43,714

[1] Includes wax, coke, asphalt, and residuum in barrels.
[2] Data include crude petroleum, refined products, and natural gasoline.
[3] Includes shipments to noncontiguous territories.
[4] Includes bunker oil put on vessels engaged in foreign trade.

Source: Bureau of Mines, Department of Commerce.

No. 736.—PETROLEUM REFINING: MATERIALS AND PRODUCTS

Material or product	Quantity (thousands of unit specified)				Cost or value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
Materials used, total cost					**1,889,678**	**1,752,997**	**2,031,341**
Crude petroleum	Barrel [1]	739,489	831,332	1,039,922	[2]	[2]	1,614,875
Partially refined oils, etc., purchased and rerun	do	57,845	33,939	51,549	[2]	[2]	107,951
Natural gasoline	do	23,223	26,383	42,381	[2]	[2]	135,066
Soda ash	Ton [3]	21	21	18	[2]	[2]	655
Caustic soda	do	60	95	134	[2]	[2]	7,731
Sulphuric acid	do	820	873	1,008	[2]	[2]	15,786
Sulphuric acid, reclaimed and reused	do	345	344	476	[2]	[2]	3,817
All other, including fuel and power					[2]	[2]	145,460
All products, total value					**2,376,657**	**2,142,649**	**2,639,665**
Gasoline	Gallon	10,726,262	12,729,536	17,538,789	1,218,236	1,048,471	1,531,242
Naphtha	do	294,947	451,344	662,642	29,938	42,484	64,904
Benzine	do	41,714	50,556	49,941	4,993	4,625	5,276
Tops	do	215,948	159,904	155,155	12,117	6,574	8,622
Illuminating oils	do	2,365,302	2,217,591	2,338,929	161,881	147,925	164,836
Fuel oils:							
Distillates	do	1,204,937	976,670	1,024,364	51,743	44,287	39,338
Gas oils	do	1,812,645	2,576,591	2,882,959	79,602	99,328	96,094
Residual fuel oil	do	11,586,456	11,862,599	12,483,631	357,613	313,344	249,198
Partially refined oils sold for rerunning	do	1,497,879	1,583,727	1,466,861	65,305	62,210	49,143
Lubricating oils:							
Pale or paraffin	do	270,345	227,198	157,669	38,763	30,617	19,653
Red or neutral	do	528,756	531,627	564,640	92,404	87,243	90,603
Cylinder oils	do	206,884	219,673	218,561	47,226	43,036	59,109
All other lubricating oils	do	355,087	403,403	612,840	73,712	83,733	135,308
Liquid asphaltic road oils	do	274,317	204,799	323,002	12,512	9,308	11,041
Residuum or tar	do	125,115	118,467	104,111	5,582	5,118	3,149
Greases	do	45,820	44,911	52,017	13,921	12,961	16,646
Paraffin wax	do	89,762	94,257	84,639	30,590	23,432	22,328
Asphalt, other than liquid	Ton [3]	2,276	2,642	3,115	30,461	37,884	34,506
Coke, petroleum	do	924	1,244	1,265	6,438	7,170	5,461
Other refinery products					31,034	24,173	21,076
All other products					12,587	8,726	12,132

[1] 42 gallons. [2] No data. [3] Of 2,000 pounds.

Source: Bureau of the Census, Department of Commerce.

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No. 737.—PETROLEUM PRODUCTS: Oils Run to Stills, Output of Refineries, Stocks, Exports, and Apparent Consumption of Products

NOTE.—Stocks are those in refiners' hands only. Hence "apparent consumption" represents deliveries by refiners to dealers and consumers. Exports include shipments to noncontiguous territories. Consumption figures for kerosene and lubricants take into account imports not shown separately

[In thousands of barrels of 42 gallons, except as indicated]

Item	1918	1920	1925	1927	1928	1929	1930	1931
Crude oil run to stills	326,025	433,915	739,920	828,835	913,295	987,708	927,447	894,608
Domestic	324,618	372,779	698,582	778,729	835,711	912,191	866,615	847,671
Foreign	1,407	61,136	41,338	50,106	77,584	75,517	60,832	46,937
Natural gasoline run to stills or blended at refineries	2,451	3,153	[1] 19,636	[1] 32,162	[1] 35,223	[1] 46,457	[1] 43,170	[1] 35,116
Stocks of crude oil, end of year	15,750	21,261	[2] 29,200	[2] 39,317	[2] 40,529	[2] 46,307	[2] 41,136	[2] 36,546
Motor fuel:								
Production	86,280	118,022	262,252	334,049	380,990	439,393	440,728	437,735
Exports (gasoline and benzol)	13,650	15,675	31,684	44,951	53,412	62,059	65,575	45,716
Imports (gasoline)	307	964	3,813	5,002	4,198	8,834	16,927	13,621
Stocks, end of year	7,080	11,009	38,875	33,349	33,092	43,261	40,098	42,320
Apparent consumption	75,672	102,937	226,329	299,318	332,033	375,999	394,800	403,418
Kerosene:								
Production	43,461	55,240	59,089	56,113	59,353	55,940	49,208	42,446
Exports	11,820	20,878	21,212	19,537	22,034	20,022	16,884	12,712
Stocks, end of year	9,050	9,359	7,121	7,715	9,001	9,095	6,883	5,332
Apparent consumption	34,442	33,082	39,969	37,491	36,235	36,032	34,736	31,296
Gas oil and fuel oil:								
Production	174,319	210,987	364,991	393,066	427,237	428,219	372,498	[3] 336,967
Exports	29,637	22,080	36,088	47,391	44,427	39,151	36,450	29,231
Stocks, end of year	15,691	19,938	[2] 24,681	[2] 34,022	[2] 34,926	[2] 39,762	[2] 37,007	[2] 42,582
Lubricants:								
Production	20,035	24,938	31,055	31,721	34,658	34,359	34,201	26,704
Exports	6,165	9,643	9,678	9,776	11,023	10,860	9,935	8,128
Stocks, end of year	3,306	3,822	7,253	7,860	8,340	8,269	10,971	9,511
Apparent consumption	13,823	14,742	20,581	21,669	23,168	23,609	21,589	20,068
Wax—production, 1,000 lbs.	505,144	541,204	590,577	584,347	630,144	630,074	547,680	477,400
Stocks, end of year, do.	199,658	195,368	116,391	[4] 150,638	[4] 112,554	189,592	236,592	180,843
Coke—production, 1,000 tons [5]	560	577	991	1,145	1,427	1,821	1,940	2,032
Stocks, end of year, do.	23	32	238	345	437	745	1,089	1,512
Asphalt—production, 1,000 tons [5]	608	1,291	2,677	3,418	3,297	3,469	3,308	2,976
Stocks, end of year, do.	77	81	159	221	236	240	308	302
Other finished products			8,044	7,405	9,402	9,924	13,179	[3] 47,957
Losses	14,557	18,743	22,914	28,396	29,040	35,064	37,003	[3] 19,070

[1] Includes natural gasoline run through pipe lines in California.
[2] Stocks east of California only, except 1930 and 1931 figures for gas oil and fuel oil which include gas oil and distillate fuels in California.
[3] Other finished products include still gas formerly reported also with gas oil and fuel oil and losses.
[4] Revised, not comparable with earlier years.
[5] Of 2,000 pounds.

No. 738.—PETROLEUM PRODUCTS: Crude Oil Run to Stills and Output of Refineries, by Regions

[In thousands of barrels of 42 gallons, except wax, which is in thousands of pounds]

Region	Crude oil run to stills		Natural gasoline run to stills or blended		Output of refineries, 1931				
	1930	1931	1930	1931	Gasoline	Kerosene	Gas oil and fuel oil	Lubricants	Wax
Total	**927,447**	**894,608**	**43,170**	**35,116**	**431,510**	**42,446**	**336,967**	**26,704**	**477,400**
East coast	172,320	168,790	2,223	1,509	69,312	6,941	70,348	8,167	196,000
Appalachian	32,056	36,372	590	515	17,467	3,651	6,239	4,561	93,520
Indiana, Illinois, Kentucky, etc	109,519	115,442	2,925	2,898	67,113	3,902	24,707	2,570	49,000
Oklahoma, Kansas, and Missouri	110,989	105,050	5,077	5,351	60,927	7,549	30,132	2,801	26,040
Texas	215,312	217,356	12,627	9,847	108,120	11,332	82,084	5,599	42,840
Louisiana and Arkansas	61,494	59,911	4,136	2,529	26,468	3,807	24,354	650	47,040
Rocky Mountain	20,929	18,679	1,543	1,266	11,842	883	4,014	366	22,960
California	204,829	173,008	14,049	11,201	70,261	4,381	95,089	1,990	

Source: Tables 737 and 738, Bureau of Mines, Department of Commerce.

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No. 739.—PETROLEUM PIPE LINES

[All figures, except miles of line operated, in thousands of dollars]

Company and State or field served	Miles of line operated	Investment in pipe lines	Other investments	Pipeline operating revenues	Pipeline operating expenses	Pipeline operating income	Net income
ALL REPORTING COMPANIES							
1921	55,260	365,024	287,114	115,950	62,370	25,530	34,400
1922	57,349	382,280	264,344	128,059	64,539	52,720	58,568
1923	64,760	432,065	305,841	131,213	69,234	52,678	62,639
1924	68,185	496,187	282,504	146,921	74,656	63,176	72,234
1925	70,009	511,088	93,896	164,645	80,232	70,966	88,495
1926	72,846	539,410	111,891	173,075	83,098	76,523	80,401
1927	76,070	609,439	105,927	195,561	90,287	92,719	93,239
1928	81,076	659,093	106,688	222,073	96,478	112,221	117,206
1929	85,796	741,010	104,445	251,411	102,101	135,421	142,216
1930	88,727	772,711	96,184	237,910	99,363	121,816	123,741
COMPANIES REPORTING OPERATING REVENUES OF OVER $500,000 IN 1930							
Atlantic Pipe Line Co	783	13,833	----	5,224	2,582	2,554	2,779
Bradford Transit Co	799	1,910	6	930	486	381	390
Buckeye Pipe Line Co	7,345	20,736	3,990	4,209	2,890	948	1,151
Continental Pipe Line Co	1,127	7,112	512	1,953	1,363	549	572
Empire Pipe Line Co	924	8,690	----	4,017	1,756	2,165	2,208
Eureka Pipe Line Co	4,712	11,064	2,323	1,885	1,869	[1] 90	11
Gulf Coast Pipe Line Co	115	1,137	43	1,835	378	1,403	1,374
Gulf Pipe Line Co	4,481	54,324	400	20,056	5,990	13,724	10,347
Gulf Pipe Line Co. of Oklahoma	1,427	12,475	----	5,134	1,745	3,204	3,435
Humble Pipe Line Co	6,276	82,759	----	31,736	11,578	17,736	18,816
Illinois Pipe Line Co	5,822	45,123	3,079	11,110	5,446	4,472	4,725
Imperial Pipe Line Co. (Ltd.)	297	2,038	----	560	332	171	190
Indiana Pipe Line Co	886	5,293	675	1,547	680	667	714
Magnolia Pipe Line Co	5,671	65,318	----	18,825	6,556	10,408	10,536
National Transit Co	3,815	8,797	6,357	1,620	1,347	258	704
Oklahoma Pipe Line Co	2,198	24,262	----	8,586	3,107	4,459	4,514
Pierce Pipe Line Co	251	2,380	----	632	207	400	515
Prairie Pipe Line Co	13,260	106,107	61,912	28,605	13,759	11,757	14,025
Pure Oil Pipe Line Co. (Ohio)	462	2,098	147	1,033	383	637	651
Pure Oil Pipe Line Co. of Texas	868	7,275	161	1,858	1,168	541	613
Shell Pipe Line Corporation	3,565	48,872	----	22,986	6,829	15,802	15,168
Shreveport-El Dorado Pipe Line Co. (Inc.)	211	2,319	1,824	779	583	167	[1] 754
South West Pennsylvania Pipe Lines	1,943	4,405	1,484	699	626	38	114
Southern Pipe Line Co	261	2,091	841	523	297	205	259
Standard Pipe Line Co. (Inc.)	1,957	29,498	33	9,544	4,551	4,348	4,364
Stanolid Pipe Line Co	6,902	84,456	1,062	23,751	12,260	9,462	8,924
Texas-Empire Pipe Line Co. (Illinois)	441	6,526	6	2,174	572	1,374	1,358
Texas-Empire Pipe Line Co. (Oklahoma)	463	9,081	6,415	4,709	1,035	3,179	4,529
Texas Pipe Line Co. (Texas)	4,873	53,477	2,085	15,102	4,829	9,419	9,626
Texas Pipe Line Co. (Oklahoma)	1,423	7,597	97	2,412	1,000	1,108	1,099
Tide-Water Pipe Co. (Ltd.)	1,363	9,604	----	1,560	770	596	668
Tuscarora Oil Co. (Ltd.)	600	7,035	45	701	1,045	[1] 397	[1] 249

[1] Deficit.

Source: Interstate Commerce Commission.

No. 740.—PETROLEUM: PRICES OF CRUDE AND REFINED PRODUCTS

NOTE.—**Prices of crude and fuel oil in dollars per barrel of 42 gallons, others in cents per gallon.** Compiled by Joseph C. Pogue. The weighted average prices cover five principal grades of crude oil at wells, five markets each for kerosene and gasoline from tank wagon, five refining locations for fuel oil, and lubricating oil at refineries

Year	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil	Month, 1931	Crude	Gasoline	Kerosene	Fuel oil	Lubricating oil
	Dolls.	*Cents*	*Cents*	*Dolls.*	*Cents*		*Dolls.*	*Cents*	*Cents*	*Dolls.*	*Cents*
1920	3.44	26.5	17.1	2.79	----	January	1.15	10.6	11.1	0.710	14.1
1921	1.86	22.3	12.9	1.30	----	February	1.14	10.4	11.1	.683	14.3
1922	1.78	21.7	12.4	1.24	----	March	.969	8.8	10.5	.614	14.8
1923	1.71	17.5	12.8	1.20	----	April	.917	7.8	10.3	.567	14.3
1924	1.84	15.9	12.7	1.35	----	May	.885	7.4	10.2	.564	13.2
1925	1.96	16.6	12.3	1.46	24.3	June	.685	7.8	10.1	.522	12.6
1926	2.03	17.5	14.7	1.47	23.3	July	.618	8.3	10.1	.480	12.7
1927	1.55	15.0	12.9	1.14	21.2	August	.790	8.0	10.1	.499	15.2
1928	1.54	14.7	12.9	.91	20.7	September	.916	8.6	10.0	.526	17.2
1929	1.67	13.9	13.4	.89	26.3	October	.913	8.6	9.9	.536	17.2
1930	1.30	11.7	12.1	.78	19.8	November	.970	8.9	9.9	.543	16.3
1931	.91	8.7	10.3	.57	14.7	December	.968	8.7	9.9	.530	14.4

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No. 741.—PORTLAND CEMENT: PRODUCTION, SHIPMENTS, EXPORTS, AND IMPORTS

NOTE.—Imports are "Imports for consumption" and include all kinds of hydraulic cement, most of which is Portland. "Shipments" include exports made directly by manufacturers and shipments made by them to noncontiguous territories. (See Table 742.)

State	1910	1915	1920	1925	1928	1929	1930	1931
	Thousands of barrels of 376 pounds							
Production, total	76,550	85,915	100,023	161,659	176,299	170,646	161,197	125,358
Alabama	[1] 1,481	([2])	1,132	6,288	6,749	5,006	4,821	4,447
California	[3] 6,386	4,503	7,098	13,098	13,556	13,092	10,124	7,740
Illinois	4,459	5,157	5,539	7,101	7,335	8,243	7,935	6,407
Iowa	[4] 2,010	4,560	4,849	4,648	7,070	6,373	7,088	5,804
Kansas	5,656	3,580	4,341	6,511	6,574	6,740	6,012	4,145
Michigan	3,688	4,765	4,891	10,936	13,849	13,749	11,511	6,133
Missouri	4,456	4,627	6,018	8,332	7,881	8,113	7,809	5,667
New York	3,296	5,044	5,885	8,770	10,960	10,761	10,373	9,487
Ohio	1,528	1,949	1,780	5,715	9,233	9,427	8,632	6,069
Pennsylvania	26,676	28,649	28,269	42,347	41,522	39,355	37,844	28,510
Tennessee	([2])	([2])	([2])	([2])	4,690	4,442	3,875	3,303
Texas	[5] 2,287	1,939	2,562	4,858	6,346	7,374	6,782	6,189
Other States	14,627	21,142	27,659	43,055	40,534	37,971	38,393	31,457
Shipments	([6])	86,892	96,312	157,295	175,838	169,868	159,059	126,465
Imports	307	42	525	3,667	2,302	1,745	985	470
Stocks, end of year	([6])	11,463	8,833	18,336	22,760	23,701	25,899	24,158

[1] Includes Georgia and Tennessee.
[2] Included in other States.
[3] California includes Washington.
[4] Includes Kentucky and West Virginia.
[5] Includes Oklahoma.
[6] Not available.

No. 742.—PORTLAND CEMENT: SHIPMENTS BY DESTINATIONS

[In thousands of barrels of 376 pounds]

State	1928	1929	1930	1931
Shipped from cement plants	175,838	169,868	159,059	126,465
Shipments to States	174,681	168,754	158,030	125,735
New England	7,604	7,733	7,528	6,348
Maine	522	600	836	521
New Hampshire	515	666	560	436
Vermont	606	929	582	311
Massachusetts	2,916	2,908	3,091	3,038
Rhode Island	761	721	705	569
Connecticut	2,284	1,909	1,754	1,473
Middle Atlantic	43,758	42,190	40,479	32,399
New York	22,325	21,040	20,147	19,716
New Jersey	8,437	8,015	6,536	5,048
Pennsylvania	12,996	13,135	13,796	7,635
East North Central	51,156	46,404	39,391	27,688
Ohio	11,018	10,033	9,699	6,388
Indiana	5,297	5,675	4,928	3,869
Illinois	17,683	13,491	11,164	7,922
Michigan	11,776	11,687	8,626	5,533
Wisconsin	5,382	5,518	4,975	3,976
West North Central	17,606	19,347	21,178	16,660
Minnesota	3,055	3,213	3,669	3,731
Iowa	5,349	5,463	6,412	3,797
Missouri	4,719	5,621	6,145	4,251
North Dakota	455	445	338	258
South Dakota	491	530	541	637
Nebraska	1,196	1,470	1,676	1,903
Kansas	2,341	2,605	2,398	2,083
South Atlantic	13,818	12,641	12,693	12,314
Delaware	349	365	374	347
Maryland	2,243	2,426	2,555	2,013
District of Columbia	890	1,127	1,079	1,248
Virginia	1,996	1,765	1,648	1,596
West Virginia	1,361	1,415	1,599	1,368
North Carolina	2,402	1,753	1,165	1,014
South Carolina	1,508	1,190	1,655	2,251
Georgia	1,743	1,423	1,562	1,714
Florida	1,326	1,176	1,057	763
East South Central	8,518	7,498	5,999	4,918
Kentucky	1,740	1,576	1,695	1,727
Tennessee	2,699	2,935	2,411	1,413
Alabama	2,950	1,958	1,274	1,249
Mississippi	1,129	1,029	620	529
West South Central	11,847	14,149	14,166	13,095
Arkansas	1,251	1,556	1,459	1,215
Louisiana	1,276	1,657	2,892	3,904
Oklahoma	3,126	3,352	3,397	2,313
Texas	6,194	7,584	6,418	5,663
Mountain	3,659	3,495	2,979	2,480
Montana	461	552	319	263
Idaho	295	261	312	189
Wyoming	198	193	179	157
Colorado	1,065	892	844	775
New Mexico	333	286	298	265
Arizona	693	657	463	432
Utah	508	521	417	289
Nevada	106	133	147	130
Pacific	16,685	15,297	13,599	9,703
Washington	2,974	2,478	3,102	2,085
Oregon	1,257	1,017	1,070	925
California	12,454	11,802	9,427	6,693
Unspecified	30	-------	16	130
Exports direct by manufacturers[1]	1,158	1,114	1,030	730

[1] Includes shipments to Alaska, Hawaii, and Puerto Rico.

Source of Tables 741 and 742: Bureau of Mines, Department of Commerce.

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No. 743.—CEMENT PRODUCTION: QUANTITY, BY KINDS, AND TOTAL VALUE

NOTE.—Portland cement is expressed in barrels of 376 pounds; masonry, natural, and puzzolan cement in 1921 and later years in 376-pound barrels but prior to 1921 in barrels of 240, 265, and 320 pounds, respectively. For 1912 through 1924 the figures for masonry, natural, and puzzolan cement represent shipments

Year	Production in thousands of barrels			Total value in thousands of dollars	Year	Production in thousands of barrels			Total value in thousands of dollars
	Total	Portland	Masonry, natural, and puzzolan			Total	Portland	Masonry, natural, and puzzolan	
1890	7,777	336	7,441	4,527	1917	93,454	92,814	639	126,106
1895	8,731	990	7,741	5,482	1918	71,515	71,082	433	114,132
1900	17,231	8,482	8,749	13,284	1919	81,307	80,778	529	138,714
1905	40,102	35,247	4,855	35,932	1920	100,791	100,023	767	203,198
1906	51,000	46,463	4,537	55,302	1921	99,381	98,842	539	187,708
1907	52,230	48,785	3,445	55,904	1922	115,679	114,790	889	203,324
1908	52,911	51,073	1,838	44,478	1923	138,732	137,460	1,272	263,122
1909	66,690	64,991	1,698	53,611	1924	150,777	149,358	1,418	272,345
1910	77,785	76,550	1,235	68,752	1925	163,388	161,659	1,729	[1] 281,076
1911	79,548	78,529	1,019	66,705	1926	166,635	164,530	2,105	[1] 280,786
1912	83,351	82,438	913	67,462	1927	175,330	173,207	2,124	[1] 281,736
1913	92,949	92,097	852	93,001	1928	178,509	176,299	2,210	[1] 278,883
1914	89,050	88,230	820	82,204	1929	172,855	170,646	2,209	[1] 255,105
1915	86,708	85,915	794	74,285	1930	162,989	161,197	1,792	[1] 231,249
1916	92,363	91,521	842	101,379	1931	126,600	125,358	1,242	[1] 142,516

[1] Value of shipments.

Source: Bureau of Mines, Department of Commerce.

No. 744.—STONE: PRODUCTION (SALES), BY VARIETIES AND USES

Variety and use	Quantity sold, thousands of short tons (2,000 pounds)[1]							Value, 1,000 dollars	
	1925	1926	1927	1928	1929	1930	1931	1930	1931
Total	115,851	124,496	136,345	133,870	141,110	126,996	96,200	178,949	131,248
Granite	8,074	9,330	10,707	9,556	10,827	10,047	8,300	30,424	25,840
Basalt and related rocks	11,842	12,978	13,211	15,328	14,872	14,532	12,200	17,053	13,670
Sandstone	4,499	4,979	5,051	4,717	5,790	4,594	4,421	10,285	7,335
Marble	564	563	600	579	554	477	340	12,906	9,485
Limestone	85,649	91,888	99,662	96,865	100,687	88,741	65,421	100,002	69,767
All other	5,242	4,759	7,115	6,825	8,380	8,604	5,518	8,279	5,151
Building stone	2,392	2,609	2,485	2,453	2,647	2,322	2,032	39,112	26,968
Monumental	363	360	358	348	366	291	234	13,158	9,600
Paving blocks	381	66	367	349	300	295	213	2,670	2,080
Curbing	393	346	378	383	336	262	135	3,176	2,156
Flagging	56	66	55	75	88	82	61	706	468
Rubble	1,197	540	809	908	908	1,067	345	922	425
Riprap	3,079	4,060	4,618	3,993	4,213	4,292	4,233	4,739	4,185
Crushed stone	75,673	82,516	94,949	91,265	92,721	87,111	70,644	87,554	68,012
Furnace flux (limestone and marble)	22,861	23,859	21,666	23,124	24,394	17,091	9,950	12,362	7,225
Refractory stone	1,261	1,531	1,363	1,348	1,558	1,198	557	1,407	612
Manufacturing industries (limestone and marble)	5,172	4,954	5,352	5,640	7,431	6,021	7,796	5,324	9,527
Agricultural limestone and other	3,023	3,289	3,944	3,983	6,147	6,967		7,820	

[1] Quantities of stones not sold by the short ton are expressed in the approximate equivalent in short tons; expressed in their selling units the quantities are as follows for 1931: Building stone, 25,623,000 cubic feet; monumental stone, 2,880,000 cubic feet; paving blocks, 24,115,000; curbing, 2,122,000 cubic feet; and flagging, 782,000 cubic feet.

Source: Bureau of Mines, Department of Commerce.

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No. 745.—CLAY AND GLASS PRODUCTS: PRODUCTION

Industry and product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
BRICK, TILE, AND TERRA COTTA, FIRE-CLAY, AND OTHER CLAY PRODUCTS, AND NONCLAY REFRACTORIES [1]							
Total value					335,360	319,710	294,488
Brick:							
Common	Number	7,561,501	7,060,984	5,505,359	88,551	78,408	58,733
Vitrified	do	539,101	503,400	367,650	11,876	10,764	7,504
Face	do	2,474,690	2,412,903	2,139,408	45,428	41,521	36,120
Enameled	do	16,931	18,097	17,137	1,508	1,375	1,259
Drain tile	Ton [2]	661	734	859	4,960	5,511	6,516
Sewer pipe	do	2,139	2,116	1,675	30,421	29,426	21,330
Architectural terra cotta	do	152	156	134	19,139	16,628	13,921
Hollow building tile or block	do	4,225	4,114	4,164	29,264	26,499	30,142
Tile (not drain):							
Roofing	Squares	290	368	371	5,155	5,349	3,944
Floor (including plain, vitreous, encaustic, quarry, etc.)	Sq. ft	19,244	20,434	15,887	4,361	4,586	3,773
Ceramic mosaic (vitreous and semivitreous)	do	20,331	20,506	18,052	4,092	4,552	3,738
Faience (including art, enameled, and hand-decorated)	do	4,916	10,157	19,357	3,295	5,776	10,136
Wall (thin, white glazed, etc.)	do	30,366	39,537	30,443	10,220	12,503	11,254
Stove lining	Ton [2]	26	14	17	656	503	468
Fire brick [3]	Number	995,079	[4] 877,748	[4] 962,129	41,164	[4] 38,174	[4] 42,376
All other clay products					14,905	14,587	14,068
Silica brick	Number	235,877	245,881	294,402	11,280	12,757	15,165
Other nonclay refractories					9,085	10,791	14,041
POTTERY [1]							
Total value					112,019	111,614	112,019
Red earthenware (flower pots, etc.)		(5)	(5)	(5)	2,632	2,850	2,798
Stoneware (except chemical) and yellow and Rockingham ware		(5)	(5)	(5)	4,349	4,503	4,144
White ware, cream color, white granite, semiporcelain, and semivitreous porcelain		(5)	(5)	(5)	32,816	32,692	32,067
Porcelain china, bone china, delft, and Belleek ware		(6)	(5)	(6)	967	(5)	(5)
Hotel china		(5)	(5)	(6)	9,867	10,020	10,476
Vitreous china plumbing fixtures		(5)	(5)	(6)	25,036	23,628	24,992
Porcelain electrical supplies		(5)	(5)	(5)	21,827	22,861	22,136
Saggers		(5)	(5)	(5)	1,764	1,916	1,308
All other products					12,761	14,144	14,098
GLASS [7]							
Total value					286,482	276,762	299,717
Building glass:							
Window glass	Sq. ft	567,151	481,021	402,559	37,525	26,814	25,962
Obscured glass, including cathedral and skylight	do	53,951	41,545	34,294	6,916	5,093	5,256
Plate glass, polished	do	117,369	118,124	148,743	57,207	44,258	50,192
Wire glass—							
Polished	do	4,165	3,320	3,893	2,264	1,631	1,714
Rough, for sale as such	do	28,743	25,795	38,924	3,546	2,746	4,278
All other building glass					(6)	(6)	(6)
Pressed and blown glass [8]					72,086	76,657	85,552
Bottles and jars [9]					100,301	114,381	121,654
All other products					6,637	5,182	5,110

[1] From reports of Bureau of Mines, Department of Commerce.
[2] Of 2,000 pounds.
[3] Clay brick, including refractory block or tile, boiler and locomotive tile (9-inch equivalent); special shapes; and high alumina brick.
[4] Quantities cover only brick, block, tile, etc. (9-inch equivalent), but the values cover in addition the values of 133,000 tons for 1927 and 182,280 tons for 1929 of special shapes.
[5] No data.
[6] Not shown separately. Included in "All other products."
[7] In addition considerable quantities of electric-light shades, globes, etc., were made in 1914 by establishments engaged primarily in the manufacture of electrical goods.
[8] Including jelly glasses, tumblers, and goblets, but not including bottles, etc.
[9] Including demijohns and carboys.

Source: Bureau of the Census, Department of Commerce.

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No. 746.—PRODUCTION OF PRINCIPAL BURNED-CLAY BUILDING MATERIALS

Year	Brick (millions)			Value (thousands of dollars)							
				Brick			Architectural terra cotta	Hollow building tile	Tile (not drain)	Sewer pipe	Fire brick
	Common	Vitrified [1]	Face	Common	Vitrified [1]	Face					
1914	7,147	931	810	43,770	12,501	9,290	6,088	8,385	5,706	14,015	13,476
1915	6,851	953	856	42,145	12,231	9,536	4,796	7,801	5,186	11,259	15,800
1916	7,394	942	1,003	49,357	12,237	11,465	6,466	9,943	6,475	13,577	24,437
1917	5,865	707	758	47,936	10,665	10,391	6,174	13,255	6,821	17,307	42,502
1918	3,557	403	356	38,782	7,145	6,095	2,659	13,037	5,082	15,334	51,648
1919	4,752	489	791	63,585	11,615	16,033	3,988	17,965	8,137	16,755	38,016
1920	4,852	468	787	82,216	12,679	19,441	10,852	27,112	12,470	25,371	53,416
1921	4,448	562	873	57,096	12,870	18,128	9,068	14,841	12,560	22,155	24,833
1922	5,899	517	1,417	72,613	10,816	28,234	12,410	19,708	16,597	23,600	31,357
1923	7,282	699	1,931	94,473	15,570	38,892	16,486	28,275	23,804	29,103	46,677
1924	7,159	554	2,030	86,692	12,974	39,931	16,446	24,998	24,842	32,400	40,621
1925	7,562	539	2,475	88,551	11,876	45,428	19,139	29,264	27,124	30,421	41,164
1926	7,517	468	2,440	88,227	10,285	44,516	19,667	27,818	34,985	29,303	42,707
1927	7,061	503	2,413	78,408	10,764	41,521	16,628	26,499	32,766	29,426	38,174
1928	6,413	378	2,412	69,333	7,800	40,034	13,642	25,792	31,523	23,969	37,392
1929	5,505	368	2,139	58,733	7,504	36,120	13,921	30,142	32,846	21,330	42,376
1930	3,631	300	1,482	37,433	6,247	24,615	10,016	22,219	23,934	15,964	36,054

[1] Vitrified brick or block.

Sources: Bureau of the Census and Bureau of Mines, Department of Commerce.

No. 747.—SALT: PRODUCTION, BY STATES AND KINDS; EXPORTS AND IMPORTS

NOTE.—**All quantity figures in short tons (2,000 pounds).** Production figures represent sales plus that used by producers, they include Puerto Rico

Year	Production	Exports	Imports	Year	Production	Exports	Imports
1880	834,548	1,642	509,703	1921	4,981,154	109,563	93,095
1885	985,411	2,108	440,290	1922	6,792,849	134,989	113,922
1890	1,242,779	2,464	257,323	1923	7,130,713	125,529	88,750
1895	1,913,751	3,602	279,576	1924	6,803,115	144,945	88,938
1900	2,921,708	7,511	199,909	1925	7,397,500	155,079	85,788
1905	3,635,257	34,238	161,159	1926	7,371,600	158,908	55,964
1910	4,242,792	49,013	137,103	1927	7,568,690	153,832	44,968
1915	5,352,409	80,474	122,326	1928	8,074,700	145,396	42,856
1918	7,238,744	136,783	40,290	1929	8,543,560	109,222	36,450
1919	6,882,902	119,416	59,514	1930	8,054,440	70,478	54,021
1920	6,840,029	139,272	137,654	1931	7,358,070	98,710	33,216

State or kind	1900	1910	1915	1920	1925	1930	1931
Production, total	2,921,708	4,242,792	5,352,409	6,840,029	7,397,500	8,054,440	7,358,070
By States:							
Michigan	1,009,487	1,323,283	1,762,430	2,262,915	2,172,600	2,558,290	2,053,980
New York	1,105,590	[1] 1,629,953	1,570,446	1,903,101	2,053,970	2,009,280	1,788,940
Ohio	199,540	514,339	823,234	1,057,802	1,173,590	1,311,440	1,398,000
Kansas	312,743	393,603	527,123	783,655	812,540	759,800	691,160
Louisiana	----------	(1)	(2)	265,085	500,350	535,250	529,280
California	87,060	131,252	146,784	212,008	292,480	350,370	334,900
Utah	34,878	34,979	55,279	75,259	88,150	85,240	74,010
West Virginia	34,142	21,788	32,513	29,802	25,870	28,670	35,490
Undistributed	138,268	193,596	434,600	250,402	277,950	416,100	452,320
By kinds:							
Manufactured (evaporated)	1,725,394	1,953,069	2,335,823	2,409,924	2,235,170	2,358,610	2,203,690
In brine	779,949	1,314,492	1,851,199	2,819,916	2,819,690	3,718,460	3,300,210
Rock salt	416,365	975,231	1,165,387	1,610,189	2,342,640	1,977,370	1,854,170
Total value (dollars)	6,944,603	7,900,344	11,747,686	29,894,075	26,162,361	25,009,480	21,541,012

[1] Louisiana is included with New York. [2] Included in "Undistributed."

Source: Bureau of Mines, Department of Commerce.

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No. 748.—ACCIDENT RATES IN ALL BRANCHES OF THE MINERAL INDUSTRY, 1921 TO 1930

Branch of mineral industry	Average days active	Men employed		Man shifts	Number killed	Number injured[1]	Number killed or injured per thousand 300-day workers	
		Actual number	Equivalent in 300-day workers				Killed	Injured[1]
1921	188	1,044,001	653,414	196,024,209	2,381	35,416	3.6	[1] 198.0
1922	174	1,092,863	635,299	190,589,710	2,529	46,307	4.0	201.1
1923	222	1,153,894	852,145	255,643,525	3,071	59,570	3.6	203.9
1924	220	1,073,630	787,065	236,119,757	3,031	57,766	3.9	201.1
1925	222	1,049,579	777,896	233,368,875	2,826	58,704	3.6	197.2
1926	242	1,058,843	855,632	256,689,813	3,201	52,752	3.7	178.1
1927	225	1,044,537	782,635	234,790,290	2,797	45,618	3.6	163.2
1928	231	951,449	733,728	220,118,341	2,629	38,717	3.6	146.1
1929	243	928,648	752,809	225,842,583	2,728	38,806	3.6	143.1
1930	217	888,514	641,749	192,524,971	2,492	130,580	3.9	203.5

[1] Excluding coal mines prior to 1930. Data for 1930 excluding coal mines are: Number injured, 26,739; number injured per thousand 300-day workers, 117.0.

Source: Bureau of Mines, Department of Commerce.

No. 749.—ACCIDENTS IN MINERAL INDUSTRIES: BY GROUPS OF INDUSTRIES

NOTE.—Figures for metal mines include mines producing nonmetallic minerals other than coal

Year	Number employed		Killed	Injured	
	Actual number	Equivalent in 300-day workers		Temporary	Permanent
Metal mines:					
1915	152,118	141,997	553	34,686	609
1920	136,583	134,540	425	32,205	357
1921	93,929	74,510	230	18,424	180
1922	105,697	97,138	344	25,840	240
1923	123,279	121,866	367	33,129	434
1924	123,128	119,113	418	32,706	412
1925	126,713	123,908	371	34,458	674
1926	127,823	123,870	430	29,773	577
1927	119,609	113,447	352	24,605	528
1928	113,866	109,345	273	21,914	569
1929	118,735	115,394	350	22,615	477
1930	103,233	92,900	271	15,091	503
Quarries:					
1915	100,740	82,447	148	9,148	523
1920	86,488	77,089	178	10,880	337
1921	77,185	59,958	120	10,126	339
1922	79,081	68,861	132	11,442	397
1923	92,455	85,153	143	14,547	443
1924	94,242	84,426	138	14,307	470
1925	91,872	83,487	149	13,713	452
1926	91,146	82,361	154	12,770	431
1927	91,517	82,609	135	13,094	365
1928	89,667	81,325	119	10,207	361
1929	85,561	76,559	126	9,510	300
1930	80,633	68,531	105	7,152	265
Metallurgical plants:					
1916	80,201	88,596	83	14,863	217
1920	59,232	65,587	61	8,714	149
1921	33,430	30,549	27	4,456	38
1922	44,000	46,008	45	6,600	78
1923	53,871	59,499	58	8,260	164
1924	56,196	62,948	55	8,132	94
1925	58,935	66,220	44	7,480	231
Metallurgical Plants—Con.					
1926	57,726	65,687	48	7,052	227
1927	53,477	60,291	54	5,533	208
1928	45,695	52,668	44	4,473	181
1929	47,399	53,587	43	4,368	207
1930	40,787	44,403	25	2,570	156
Coke ovens:					
1916	31,603	34,119	45	5,154	83
1920	28,139	29,921	49	3,336	79
1921	16,204	13,868	17	1,829	24
1922	19,278	18,236	29	1,674	36
1923	23,729	25,627	45	2,517	73
1924	20,451	20,681	24	1,607	38
1925	23,254	24,054	28	1,652	44
1926	23,115	24,288	51	1,874	48
1927	20,667	23,223	25	1,232	53
1928	19,390	21,710	17	979	33
1929	22,459	25,724	22	1,293	36
1930	19,855	22,936	28	990	32
Coal mines:					
1911	728,348	534,122	2,656	(1)	(1)
1915	734,008	511,598	2,269	(1)	(1)
1919	776,569	542,217	2,323	(1)	(1)
1920	784,621	601,283	2,272	(1)	(1)
1921	823,253	474,529	1,995	(1)	(1)
1922	844,807	405,056	1,984	(1)	(1)
1923	862,536	560,000	2,462	(1)	(1)
1924	779,613	499,896	2,402	(1)	(1)
1925	748,805	480,227	2,234	(1)	(1)
1926	759,033	559,426	2,518	(1)	(1)
1927	759,177	503,065	2,231	(1)	(1)
1928	682,831	468,680	2,176	(1)	(1)
1929	654,494	481,545	2,187	(1)	(1)
1930	644,006	412,979	2,063	101,093	2,728
1931	(1)	(1)	1,430	(1)	(1)

[1] Not available.

Source: Bureau of Mines, Department of Commerce.

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32.—MANUFACTURES

[Data in this section relate to continental United States. For additional statistics regarding food manufacturing industries and mineral manufacturing industries see sections on Farm Animals and Animal Products, Farm Crops and Foodstuffs, and Mining and Mineral Products]

GENERAL NOTE.—Prior to 1899 census statistics of manufactures were collected decennially and from then to 1919 every five years. Beginning with 1921 data are being collected every two years. For the census of 1899 and previous censuses data were collected for both factories and hand and neighborhood industries. For the census years 1904 to 1919, inclusive, factories having products valued at $500 or more were included, but the statistics beginning 1921 (except as to certain major items shown for that year in Table 751 only), relate only to establishments having products valued at $5,000 or more. However, in 1921, establishments having products valued at $500 or more but less than $5,000, while constituting 21.6 per cent of the total number of establishments, employed only six-tenths of 1 per cent of the total number of wage earners, and had an output of only three-tenths of 1 per cent of the total value of products.

The statistics for automobile repairing, collected for 1914 and 1919, have been excluded from Tables 750 to 754. Data for "Coffee and spice, roasting and grinding," have been included, except for 1925, for which year such data were not tabulated for the United States as a whole; and data for "Poultry killing, dressing, and packing, wholesale" are included for all years except 1927, for which year this industry was not canvassed. In Table 750, data for central-administrative-office employees have been excluded for 1923 and later years. The figures for 1914, 1919, and 1921, however, include such data.

Figures for wages, cost of materials, etc., and value of products are greatly affected by changes in the buying power of money or, in other words, by the general levels of prices and wages. Figures of total cost of materials, etc., and total value of products for many individual industries, for all groups of industries, and especially for all industries combined, involve much duplication. This is due to the use of products of a given establishment as material for another in the same or a different industry.

No. 750.—MANUFACTURES: SUMMARY, 1849 TO 1929

	Number of establishments	Salaried officers and employees	Wage earners (average for the year)	Horsepower	Salaries	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture
	In thousands				In millions of dollars				
Factories and hand and neighborhood industries:									
1849	123	[1]	957	[2]	[1]	237	555	1,019	464
1859	140	[1]	1,311	[2]	[1]	379	1,032	1,886	854
1869	252	[1]	2,054	[3] 2,346	[1]	620	1,991	3,386	1,395
1879	254	[1]	2,733	[3] 3,411	[1]	948	3,397	5,370	1,973
1889	355	[1]	4,252	[3] 5,939	[1]	1,891	5,162	9,372	4,210
1899	512	[1]	5,306	[3] 10,098	[1]	2,321	7,344	13,000	5,657
Factories, excluding hand and neighborhood industries and establishments with products valued at less than $500:									
1899	208	364	4,713	[4]	381	2,008	6,576	11,407	4,831
1904	216	520	5,468	[3] 13,488	574	2,610	8,500	14,794	6,294
1909	268	790	6,615	[3] 18,675	939	3,427	12,143	20,672	8,529
1914	273	963	7,024	[3] 22,421	1,274	4,068	14,359	24,217	9,858
Factories, excluding establishments with products valued at less than $5,000:									
1914	177	[5] 963	6,896	[5] 22,291	[5] 1,274	[5] 4,068	14,278	23,988	9,710
1919	214	[5] 1,438	9,000	[5] 29,328	[5] 2,881	[5] 10,462	37,233	62,042	24,809
1921	196	1,146	6,947	[2]	2,563	8,202	25,321	43,653	18,332
1923	196	1,269	8,778	33,094	2,806	11,009	34,706	60,556	25,850
1925	187	1,256	8,384	35,773	2,922	10,730	35,936	62,714	26,778
1927	192	1,301	8,350	38,826	3,230	10,849	35,133	62,718	27,585
1929	211	1,359	8,839	42,931	3,595	11,621	38,550	70,435	31,885

[1] No comparable data.
[2] Not called for on schedule.
[3] Figures include purchased power other than electric.
[4] Data approximately the same as given for factories and hand and neighborhood industries, as the amount of horsepower used in the latter is small.
[5] Includes data for all establishments reporting products valued at $500 or more. This item was not tabulated separately for establishments reporting products valued between $500 and $5,000.

Source: Bureau of the Census, Department of Commerce

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No. 751.—MANUFACTURES: ESTABLISHMENTS, CLASSIFIED BY VALUE OF PRODUCTS [1]

NOTE.—See general note, p. 730. Data by size of establishments were not compiled for 1927

Class of establishments according to value of products	Establishments		Wage earners		Value of products	
	Number	Per cent distribution	Average number	Per cent distribution	Amount	Per cent distribution
Less than $5,000:						
1929	[2]		[2]		[2]	
1925	[2]		[2]		[2]	
1923	[2]		[2]		[2]	
1921	[3] 53,999		[3] 40,924	0.6	[3] $136,926,075	0.3
1919	60,215		41,252	.5	151,631,298	.2
1914	95,408		127,495	1.8	228,653,956	.9
$5,000 and over:						
1929	210,959	100.0	8,838,743	100.0	70,434,863,443	100.0
1925	187,390	100.0	8,384,261	100.0	62,713,713,730	100.0
1923	196,309	100.0	8,778,156	100.0	60,555,998,200	100.0
1921	196,267	100.0	6,946,570	99.4	43,653,282,833	99.7
1919	214,383	100.0	9,000,059	99.5	62,041,795,316	99.8
1914	177,110	100.0	6,896,190	98.2	23,987,860,617	99.1
$5,000 to $20,000:						
1929	69,423	32.9	202,958	2.3	771,417,436	1.1
1925	55,876	29.8	156,373	1.9	628,373,403	1.0
1923	61,981	31.6	189,738	2.2	697,996,736	1.1
1921	71,075	36.2	224,852	3.2	782,977,433	1.8
1919	79,699	37.2	227,977	2.5	866,086,290	1.4
1914	86,587	48.9	423,829	6.0	893,459,166	3.7
$20,000 to $100,000:						
1929	75,225	35.7	693,155	7.8	3,587,697,276	5.1
1925	68,951	36.8	660,309	7.9	3,272,196,872	5.2
1923	72,370	36.9	718,746	8.2	3,426,433,520	5.7
1921	72,251	36.8	746,024	10.7	3,330,350,409	7.6
1919	75,627	35.3	773,701	8.6	3,487,756,280	5.6
1914	56,557	31.9	995,743	14.2	2,540,949,405	10.5
$100,000 to $500,000:						
1929	44,153	20.9	1,672,983	18.9	10,023,771,653	14.2
1925	42,209	22.5	1,675,911	20.0	9,576,090,022	15.3
1923	42,075	21.4	1,721,266	19.6	9,496,592,898	15.7
1921	38,027	19.4	1,629,573	23.3	8,405,758,540	19.2
1919	39,447	18.4	1,712,854	18.9	8,929,364,110	14.4
1914 [4]	30,147	17.0	3,000,612	42.7	8,759,391,117	36.2
$500,000 to $1,000,000:						
1929	10,395	4.9	1,121,547	12.7	7,294,860,945	10.4
1925	9,771	5.2	1,131,439	13.5	6,870,112,293	11.0
1923	9,556	4.9	1,134,897	12.9	6,752,818,172	11.1
1921	7,581	3.9	966,559	13.8	5,296,720,583	12.1
1919	9,197	4.2	1,112,815	12.3	6,457,485,019	10.4
1914	[5]		[5]		[5]	
$1,000,000 and over:						
1929	11,763	5.6	5,148,100	58.3	48,757,116,133	69.2
1925	10,583	5.7	4,760,229	56.7	42,366,941,140	67.5
1923	10,327	5.2	5,013,509	57.1	40,182,156,874	66.4
1921	7,333	3.7	3,379,562	48.4	25,837,475,868	59.0
1919	10,413	4.9	5,172,712	57.2	42,301,103,617	68.0
1914	3,819	2.2	2,476,006	35.3	11,794,060,929	48.7

[1] To make the percentages for the number of establishments comparable, those for all 6 years have been based on the number of establishments reporting products valued at $5,000 or more. The percentages for wage earners and value of products, however, have not been similarly adjusted, the comparability of these percentages having been affected very slightly by the omission of small establishments in 1923, 1925, and 1929.

[2] No data for establishments with products under $5,000 in value have been tabulated for 1923, 1925, and 1929.

[3] The data for the 53,999 establishments in the "Less than $5,000" class are not included in other tables showing statistics for 1921.

[4] Figures include data for the $500,000 to $1,000,000 class.

[5] Data included with the $100,000 to $500,000 class.

Source: Bureau of the Census, Department of Commerce.

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No. 752.—MANUFACTURES: Prime Movers, Motors, and Generators, Number and Rated Capacity

NOTE.—See general note, p. 730

Year, division, and industry group	Establishments reporting power equipment	Prime movers and electric motors driven by purchased energy										Electric motors driven by energy generated in establishments reporting		Electric generators	
		Aggregate horsepower	Steam engines and turbines		Internal combustion engines		Water wheels and water turbines		Electric motors driven by purchased energy						
			Number	Horsepower	Number	Horsepower	Number	Horsepower	Number	Horsepower		Number	Horsepower	Number	Kilowatts
United States:															
1929	193,969	42,931,061	77,225	17,361,926	11,288	1,233,853	6,523	1,559,618	2,724,843	22,775,664		852,432	12,376,376	17,270	7,793,875
1927	174,118	38,825,681	73,382	16,923,931	12,664	1,170,774	7,594	1,598,666	2,151,675	19,132,310		790,810	11,219,979	19,028	7,345,685
1925	167,649	35,772,628	82,176	16,916,856	14,362	1,186,116	8,393	1,800,828	1,724,180	15,868,828		772,445	10,254,745	23,635	6,887,045
1923	173,475	33,094,228	90,057	16,700,993	15,721	1,224,262	9,293	1,803,310	1,445,003	13,365,663		616,422	8,821,551	(1)	(1)
1929															
New England	16,953	4,686,822	5,828	1,680,519	600	35,738	2,546	742,398	299,089	2,228,167		140,722	1,336,725	2,557	1,010,837
Middle Atlantic	58,812	11,623,682	17,003	4,904,163	2,372	340,381	1,434	248,183	808,620	6,130,955		256,518	3,618,960	4,718	1,955,256
East North Central	42,845	12,602,451	16,694	5,173,593	2,182	409,876	1,008	240,792	812,193	6,778,190		262,181	4,314,421	4,749	2,564,287
West North Central	16,614	2,210,192	5,096	763,032	923	76,394	242	84,658	163,371	1,286,108		37,307	512,188	1,155	387,545
South Atlantic	19,011	4,318,015	12,388	1,744,461	1,827	152,423	884	153,562	255,163	2,267,569		73,840	1,050,273	1,439	778,208
East South Central	9,395	1,999,354	6,962	934,783	1,170	40,090	138	10,096	95,196	1,014,385		26,844	338,983	760	294,894
West South Central	9,919	1,749,555	6,438	860,613	1,227	118,041	17	820	73,906	770,081		16,118	371,123	928	280,322
Mountain	3,974	938,689	1,784	445,035	345	22,400	65	7,386	33,927	463,868		10,308	248,163	339	181,273
Pacific	16,446	2,802,301	5,032	855,727	642	38,510	189	71,723	183,378	1,836,341		28,594	535,540	625	341,254
Food and kindred products	53,457	4,607,913	15,268	1,459,719	3,807	213,859	1,870	102,360	356,621	2,831,975		67,938	642,530	2,854	475,695
Textiles and their products	25,706	4,145,998	3,942	1,572,940	207	18,746	1,560	397,639	486,793	2,156,673		160,246	1,044,623	2,546	973,891
Forest products	24,912	3,674,204	22,057	2,308,514	2,179	64,396	532	48,951	161,803	1,252,343		75,085	900,862	2,038	634,028
Paper and allied products	2,940	3,166,804	3,202	1,316,808	108	19,136	1,725	871,408	68,591	959,452		53,177	1,248,776	1,499	968,021
Printing, publishing, and allied industries	24,072	649,441	417	40,088	207	3,150	5	7	255,791	606,196		8,468	31,002	167	22,615
Chemicals and allied products	6,940	2,312,295	4,619	1,032,488	500	31,369	84	20,289	102,966	1,228,149		53,939	553,039	1,130	451,509
Products of petroleum and coal	1,369	1,755,258	10,104	1,066,904	651	72,954	9	2,300	26,509	613,100		22,031	604,471	463	332,507
Rubber products	509	821,312	370	245,031	10	838	20	3,080	33,266	572,363		11,882	240,921	134	150,569
Leather and its manufactures	4,014	436,342	1,000	188,973	65	5,570	33	6,105	59,127	235,694		15,781	119,994	545	110,021
Stone, clay, and glass products	7,938	2,854,402	2,965	932,769	1,520	97,796	77	25,080	96,430	1,798,757		29,615	312,862	1,019	579,134
Iron, steel, and products, excl. machinery	6,503	9,200,822	6,092	4,778,047	566	610,967	159	19,662	222,667	3,792,146		130,512	4,106,875	1,573	1,761,940
Nonferrous metals and their products	6,522	1,570,217	834	501,330	154	8,645	55	7,194	97,620	1,053,048		23,635	343,572	446	252,357
Machinery, excl. transportation equipment	12,634	3,647,343	2,161	753,381	801	59,674	278	18,855	393,554	2,815,433		101,601	793,463	1,389	480,461
Transportation equipment—air, land, water	2,516	2,271,192	1,353	521,417	220	11,596	19	29,531	196,548	1,708,648		49,949	481,682	440	310,072
Railroad repair shops	1,965	1,153,147	1,892	437,538	102	4,424	5	150	47,460	711,035		19,766	278,247	562	179,664
Miscellaneous	11,972	664,371	949	205,979	191	10,733	92	7,007	119,097	440,652		28,807	173,457	465	111,391

[1] Not called for on schedule.

Source: Bureau of the Census, Department of Commerce.

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No. 753.—SUMMARY BY 16 GENERAL GROUPS OF INDUSTRIES

NOTE.—Figures for 1914 and 1919 include establishments with products under $5,000 in value, see general note, p. 730

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
All industries	1929	210,959	8,838,743	11,620,973	38,549,580	70,434,863	31,885,284	42,931,061
	1927	191,866	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	196,309	8,778,156	11,009,298	34,705,698	60,555,998	25,850,300	33,094,228
	1921	196,267	6,946,570	8,202,324	25,321,055	43,653,283	18,332,228	(1)
	1919	274,598	9,041,311	10,461,786	37,288,732	62,193,426	24,904,694	29,327,669
	1914	272,518	7,023,685	4,067,719	14,358,934	24,216,514	9,857,580	22,290,899
1. Food and kindred products.	1929	56,320	753,247	902,143	8,632,283	12,023,589	3,391,306	4,607,913
	1927	49,787	679,520	823,388	8,113,433	11,015,860	2,902,427	4,134,973
	1925	48,113	664,760	793,681	7,748,678	10,418,536	2,669,858	3,881,952
	1923	51,847	682,137	795,571	6,990,846	9,524,051	2,533,204	3,723,025
	1921	52,113	626,618	746,266	6,122,933	8,267,130	2,144,197	(1)
	1919	69,423	733,664	774,724	10,252,631	12,748,348	2,495,718	3,203,106
	1914	67,403	536,436	303,342	3,907,186	4,977,761	1,070,574	2,503,932
2. Textiles and their products.	1929	27,404	1,707,798	1,733,031	5,103,846	9,243,303	4,139,457	4,145,998
	1927	26,843	1,694,416	1,759,958	4,922,716	8,950,473	4,027,757	4,173,438
	1925	24,450	1,628,283	1,654,814	5,349,925	9,126,155	3,776,230	3,986,522
	1923	26,763	1,715,293	1,743,798	5,394,441	9,462,282	4,067,841	3,783,401
	1921	25,955	1,509,738	1,472,352	3,801,090	6,956,465	3,155,375	(1)
	1919	28,451	1,610,003	1,481,143	5,379,388	9,210,933	3,831,545	3,248,364
	1914	23,350	1,505,912	675,782	2,013,738	3,444,810	1,431,073	2,717,078
3. Forest products	1929	26,912	876,383	939,383	1,586,183	3,591,765	2,005,582	3,674,204
	1927	20,169	864,508	931,921	1,636,647	3,462,925	1,826,278	3,332,457
	1925	21,926	921,266	978,472	1,725,351	3,689,127	1,963,776	3,472,970
	1923	21,678	931,816	962,595	1,666,395	3,633,386	1,966,991	3,336,236
	1921	21,398	703,360	670,462	1,197,628	2,456,857	1,259,229	(1)
	1919	41,201	864,001	859,872	1,368,341	3,113,460	1,745,119	3,409,746
	1914	43,466	865,294	446,897	765,936	1,616,453	850,517	3,176,436
4. Paper and allied products.	1929	3,126	233,393	287,331	1,092,722	1,892,251	799,529	3,166,804
	1927	2,972	224,437	272,154	1,082,363	1,785,998	703,634	2,813,694
	1925	2,727	221,502	263,097	919,657	1,546,814	627,157	2,574,707
	1923	2,685	219,026	250,144	878,764	1,456,970	578,206	2,313,562
	1921	2,600	184,756	202,703	669,070	1,071,800	402,730	(1)
	1919	2,677	208,115	212,724	720,908	1,250,445	529,537	1,967,446
	1914	2,452	166,752	88,844	314,833	519,690	204,857	1,697,268
5. Printing, publishing, and allied industries.	1929	27,522	357,988	636,371	766,484	3,170,140	2,403,656	649,441
	1927	25,433	328,603	586,183	755,038	2,859,860	2,104,823	569,528
	1925	23,826	315,264	542,419	694,577	2,596,871	1,902,294	486,087
	1923	23,114	307,993	492,906	665,654	2,315,318	1,649,664	429,967
	1921	22,777	282,500	434,728	663,300	2,078,764	1,415,464	(1)
	1919	33,747	301,934	351,998	587,294	1,764,387	1,177,093	379,236
	1914	34,757	286,254	207,721	266,435	937,125	670,690	341,805
6. Chemicals and allied products.[2]	1929	8,278	280,868	354,393	1,970,713	3,759,405	1,788,691	2,312,295
	1927	7,541	253,436	317,908	1,803,085	3,351,892	1,548,808	1,848,309
	1925	7,282	244,812	296,526	1,830,592	3,211,230	1,380,639	1,748,481
	1923	7,197	246,527	288,834	1,702,944	2,933,562	1,230,617	1,654,228
	1921	7,348	199,596	224,333	1,352,904	2,225,917	873,013	(1)
	1919	10,732	329,053	364,884	2,269,338	3,803,753	1,534,414	1,720,521
	1914	11,461	258,413	164,421	1,011,125	1,964,630	953,505	1,459,062
7. Products of petroleum and coal.	1929	1,497	147,216	229,050	2,546,840	3,647,748	1,100,908	1,755,258
	1927	1,418	141,655	217,485	2,262,699	3,060,226	797,527	1,513,314
	1925	1,582	136,366	210,034	2,356,583	3,230,009	873,425	1,241,877
	1923	1,650	138,330	212,882	1,981,370	2,778,888	797,518	1,092,914
	1921	1,560	115,006	180,452	1,760,805	2,372,039	611,235	(1)
	1919	1,684	131,759	185,599	1,635,920	2,289,170	653,250	709,597
	1914	1,782	90,882	60,882	474,558	721,656	247,098	464,659

[1] Not called for on schedule.
[2] The fact that the increase in the "Chemicals and allied products" group is less than in most others is due to the decline in the production of alcoholic liquors which are included.

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No. 753.—Summary by 16 General Groups of Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
8. Rubber products	1929	525	149,148	207,306	578,678	1,117,460	538,783	821,312
	1927	516	141,997	198,074	660,370	1,225,077	564,707	790,622
	1925	530	141,869	191,286	721,730	1,260,805	539,075	659,691
	1923	529	137,868	182,084	501,163	958,518	457,355	605,634
	1921	496	103,273	123,613	377,879	704,903	327,024	(1)
	1919	477	158,549	193,763	594,344	1,138,216	543,872	429,273
	1914	342	74,022	44,167	163,035	300,994	137,959	199,242
9. Leather and its manufactures.	1929	4,277	318,415	359,413	1,131,942	1,905,977	774,035	436,342
	1927	4,265	315,991	364,447	1,088,641	1,869,305	780,664	419,591
	1925	4,243	314,025	355,346	1,012,881	1,763,709	750,829	413,173
	1923	4,868	344,545	388,630	1,083,345	1,880,086	796,740	412,998
	1921	4,813	280,071	314,412	934,398	1,544,185	609,788	(1)
	1919	6,397	349,362	363,453	1,713,807	2,610,231	896,423	382,537
	1914	6,758	307,060	169,358	753,135	1,104,595	351,459	311,194
10. Stone, clay, and glass products.	1929	8,515	328,417	432,817	526,340	1,561,415	1,035,075	2,854,402
	1927	8,673	350,017	464,273	594,774	1,612,549	1,017,774	2,709,131
	1925	8,478	353,036	467,012	603,427	1,640,652	1,037,225	2,348,157
	1923	8,317	351,692	453,567	573,472	1,563,121	989,648	1,936,054
	1921	8,347	252,990	307,065	428,259	1,033,091	604,832	(1)
	1919	12,599	302,810	332,726	422,611	1,111,746	689,135	1,584,917
	1914	14,790	335,824	206,085	240,818	618,700	377,882	1,493,976
11. Iron and steel and their products, not including machinery.	1929	6,640	880,882	1,380,987	3,862,873	7,137,928	3,275,056	9,200,822
	1927	6,340	834,967	1,263,812	3,544,615	6,197,595	2,652,980	8,322,730
	1925	6,063	850,783	1,283,841	3,734,085	6,460,222	2,726,138	7,518,726
	1923	6,353	892,185	1,324,173	4,152,741	6,827,670	2,674,929	7,259,009
	1921	6,251	571,426	730,875	2,140,171	3,455,541	1,315,370	(1)
	1919	7,617	857,764	1,243,726	3,423,280	5,887,844	2,464,564	6,429,697
	1914	6,326	617,776	421,746	1,315,690	2,137,113	821,423	4,587,572
12. Nonferrous metals and their products.	1929	7,522	314,741	443,467	2,465,444	3,597,058	1,131,614	1,570,217
	1927	6,761	272,667	383,185	1,783,213	2,677,107	893,894	1,226,411
	1925	7,006	276,616	382,652	1,948,438	2,839,550	891,112	1,162,140
	1923	7,501	297,798	395,079	1,767,638	2,637,160	869,522	1,171,192
	1921	7,853	212,680	256,893	886,265	1,408,659	521,795	(1)
	1919	10,441	304,768	359,171	1,737,234	2,519,032	781,798	953,109
	1914	9,808	239,542	154,580	964,556	1,329,834	365,278	550,903
13. Machinery, not including transportation equipment.	1929	12,955	1,091,269	1,634,166	2,694,380	7,043,380	4,349,001	3,647,343
	1927	11,982	883,508	1,284,133	2,053,942	5,348,724	3,294,782	2,995,296
	1925	11,807	858,843	1,225,359	1,985,367	5,020,281	3,034,914	2,714,377
	1923	12,147	907,707	1,253,743	1,891,524	4,727,818	2,836,294	2,300,443
	1921	12,395	662,277	832,783	1,361,163	3,235,075	1,873,912	(1)
	1919	14,821	998,484	1,240,187	1,973,458	4,768,673	2,795,216	2,060,325
	1914	13,457	618,737	412,406	662,967	1,582,408	919,442	1,256,908
14. Transportation equipment, air, land, and water.	1929	2,550	583,355	943,222	3,683,148	6,047,209	2,364,061	2,271,192
	1927	2,537	494,905	803,298	2,907,949	4,693,972	1,786,022	2,027,686
	1925	2,778	559,578	908,488	3,389,101	5,451,753	2,062,652	1,888,961
	1923	3,873	606,328	963,939	3,394,505	5,333,479	1,938,975	1,624,468
	1921	4,273	405,773	591,334	1,803,011	3,018,154	1,215,143	(1)
	1919	6,768	858,582	1,259,014	3,200,602	5,627,263	2,426,661	1,453,804
	1914	7,818	312,562	230,615	639,793	1,137,423	497,630	602,459
15. Railroad repair shops.	1929	2,297	398,156	637,311	548,344	1,269,917	721,573	1,153,147
	1927	2,309	428,672	648,908	545,492	1,289,695	744,203	1,110,821
	1925	2,363	457,755	668,192	563,646	1,332,679	769,033	942,248
	1923	2,348	523,430	772,968	631,358	1,520,093	888,734	798,005
	1921	2,326	418,285	671,956	506,571	1,267,343	760,771	(1)
	1919	2,368	515,709	726,690	547,829	1,354,446	806,617	644,875
	1914	2,011	365,902	253,150	261,438	552,618	291,180	478,893
16. Miscellaneous industries.	1929	14,620	417,467	500,582	1,359,361	3,426,319	2,066,959	664,371
	1927	14,320	440,456	529,676	1,378,160	3,317,090	1,938,930	837,680
	1925	14,216	439,503	508,750	1,351,610	3,125,319	1,773,709	732,559
	1923	15,439	475,481	528,386	1,429,536	3,003,597	1,574,062	701,510
	1921	15,762	418,221	442,101	1,315,607	2,557,959	1,242,351	(1)
	1919	25,195	516,754	511,812	1,461,747	2,995,479	1,533,732	751,116
	1914	26,537	442,317	227,723	603,691	1,270,704	667,012	449,512

[1] Not called for on schedule.

[3] The decrease in the 1927 figures was chiefly due to practical ceasing of operations of a large company for a few months of the year.

Source: Bureau of the Census, Department of Commerce.

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES

NOTE.—The figures given in this table do not represent exactly the numbers of wage earners, values of products, etc., assignable to the classes of commodities from which the industries derive their names, as it is necessary for census purposes to classify each establishment as a whole in some one industry, according to its product of chief value, although in many cases a single establishment manufactures two or more classes of commodities. The figures for cost of materials and value of products for each group and each subgroup include considerable duplication due to the use of the products of one industry as the materials for another, and in some cases similar duplication occurs within an industry. No data for horsepower were collected for 1921. For totals for all industries and for 16 great groups see Table 753. Five census years have been shown for all industries that reported $200,000,000 or more in value of products or over 50,000 wage earners in 1929. For other industries, 1925, 1927, and 1929 have been shown except as indicated by footnotes

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS								
Animal products, total.[1]	1929	12,761	201,745	262,186	4,263,957	5,148,496	884,539	1,091,228
	1927	11,774	189,645	249,881	3,815,254	4,563,036	747,782	965,363
	1925	11,863	189,933	245,304	3,752,515	4,498,931	746,416	875,878
	1923	12,576	205,058	255,860	3,260,761	3,977,645	716,884	785,494
	1921	11,329	182,790	231,601	2,687,299	3,276,562	589,264	----------
Butter	1929	3,527	19,097	24,198	635,874	746,418	110,544	164,413
	1927	3,519	20,096	25,533	637,337	739,011	101,674	145,973
	1925	3,493	17,758	22,263	603,397	683,593	80,196	126,872
	1923	3,653	20,312	24,950	549,558	640,474	90,916	126,351
	1921	3,444	18,506	22,929	407,501	479,724	72,223	----------
Cheese	1929	2,758	3,401	4,588	92,727	110,645	17,918	24,739
	1927	2,738	3,520	4,897	100,788	118,448	17,660	20,976
	1925	2,935	3,398	4,320	103,569	118,678	15,109	20,830
Condensed and evaporated milk.	1929	535	7,065	8,796	163,787	209,110	45,323	85,258
	1927	464	7,390	9,191	159,680	200,086	40,406	63,969
	1925	402	7,118	8,391	140,041	171,247	31,206	53,937
	1923	378	8,293	10,126	153,996	187,111	33,115	48,300
	1921	382	9,462	10,349	132,525	176,837	44,312	----------
Ice cream	1929	3,150	22,399	33,803	155,964	328,414	172,450	230,882
	1927	2,961	21,927	33,108	150,602	301,645	151,043	206,315
	1925	2,790	23,043	33,457	140,864	286,176	145,312	189,328
	1923	2,762	23,132	32,435	145,307	259,967	114,660	160,730
	1921	2,528	20,209	28,237	121,170	213,262	92,092	----------
Meat packing, wholesale.	1929	1,277	122,505	165,867	2,974,128	3,434,654	460,526	524,989
	1927	1,250	119,095	161,584	2,663,740	3,057,216	393,475	489,576
	1925	1,269	120,422	159,355	2,625,192	3,050,288	425,094	441,516
	1923	1,397	132,792	167,569	2,176,010	2,585,804	409,794	382,127
	1921	1,184	117,042	152,903	1,868,198	2,200,942	332,744	----------
Poultry killing, dressing, and packing, wholesale.[2]	1929	485	7,769	7,285	106,866	130,161	23,296	13,500
Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments.	1929	681	5,897	8,850	81,372	108,246	26,875	25,755
	1927	505	4,987	7,464	60,216	81,548	21,333	19,980
	1925	489	4,914	7,652	61,497	82,436	20,939	18,184
Canning and preserving: Fish, crabs, shrimps, oysters, and clams.	1929	348	13,612	8,799	53,240	80,849	27,609	21,692
	1927	337	12,650	8,196	42,892	65,082	22,191	18,574
	1925	319	10,530	7,234	39,194	61,061	21,867	19,527
Vegetable products and beverages, total.	1929	43,559	551,502	639,957	4,368,326	6,875,093	2,506,767	3,516,685
	1927	38,013	489,875	573,506	4,298,179	6,452,824	2,154,645	3,169,610
	1925	36,250	474,827	548,377	3,996,163	5,919,606	1,923,443	3,006,074
	1923	39,271	477,079	539,711	3,730,085	5,546,406	1,816,321	2,937,531
	1921	40,784	443,828	514,666	3,435,634	4,990,567	1,554,933	----------
Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces.	1929	2,997	98,866	74,979	462,062	750,342	288,280	224,097
	1927	2,436	80,924	62,310	355,186	572,346	217,160	189,831
	1925	2,403	85,866	67,427	385,573	616,071	230,497	187,490
	1923	2,438	72,534	57,153	298,969	515,316	216,347	175,714
	1921	1,905	51,729	36,799	237,682	365,717	128,035	----------
Chocolate and cocoa products, not including confectionery.	1929	59	6,249	7,778	79,549	119,541	39,991	63,236
	1927	69	6,427	7,339	90,423	122,723	32,300	62,742
	1925	60	7,128	7,992	73,522	106,642	33,120	58,266
Coffee and spice, roasting and grinding.[3]	1929	928	9,053	10,606	332,150	424,345	92,195	45,465
	1927	784	8,195	9,537	284,653	384,281	99,629	42,542
	1923	729	9,665	10,016	224,843	297,528	72,684	37,358
	1921	712	8,882	9,372	166,249	226,059	59,810	----------

Footnotes at end of table.

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Contd.								
Confectionery	1929	2,021	63,501	56,443	215,192	393,270	178,077	112,644
	1927	1,908	63,163	56,981	218,373	391,927	173,555	110,595
	1925	1,931	63,600	55,235	205,433	379,081	173,649	100,455
	1923	2,014	63,485	54,882	202,719	366,256	163,537	91,455
	1921	2,254	61,004	50,210	174,072	313,998	139,926	
Chewing gum	1929	37	2,265	2,733	23,231	60,160	36,929	10,350
	1927	40	2,524	2,727	27,168	62,001	34,834	10,097
	1925	41	2,180	2,538	17,968	47,838	29,870	7,712
Flavoring extracts and flavoring sirups.	1929	642	5,041	7,071	55,518	129,086	73,568	33,838
	1927	500	5,011	7,134	51,091	107,219	56,129	27,963
	1925	431	3,890	5,078	47,064	94,212	47,148	23,313
Flour and other grain-mill products.	1929	4,022	27,028	35,072	868,873	1,060,269	191,397	641,456
	1927	4,035	29,982	37,559	972,711	1,148,760	176,049	641,608
	1925	4,413	31,988	39,700	1,125,379	1,298,015	172,636	669,910
	1923	5,232	35,194	41,704	885,972	1,048,578	162,606	709,856
	1921	6,485	35,378	43,143	993,810	1,179,740	185,930	
Bread and other bakery products.	1929	20,785	200,841	274,562	737,100	1,526,111	789,011	355,523
	1927	18,129	171,995	236,226	693,236	1,394,700	701,464	284,244
	1925	17,684	160,411	219,606	668,017	1,268,195	600,178	227,286
	1923	18,739	162,613	214,579	574,521	1,122,906	548,386	193,186
	1921	20,173	148,500	198,939	598,614	1,089,972	491,358	
Feeds, prepared, for animals and fowls.[2]	1929	750	10,223	12,822	327,920	402,753	74,833	170,482
	1927	447	7,632	9,703	244,676	299,793	55,117	115,855
Macaroni, spaghetti, vermicelli, and noodles.	1929	353	5,072	5,384	27,336	47,074	19,738	24,448
	1927	363	4,587	5,071	27,434	45,353	17,919	21,406
	1925	327	4,560	5,026	27,491	43,489	15,998	19,873
Oleomargarine, not made in meat-packing establishments.	1929	41	1,534	2,264	30,890	46,522	15,632	6,670
	1927	36	1,502	2,258	27,145	39,282	12,137	8,746
	1925	38	1,639	2,278	28,384	39,856	11,472	6,740
Food preparations, not elsewhere classified.[2]	1929	862	10,616	11,658	96,388	171,861	75,473	36,716
	1927	674	10,294	11,387	98,249	166,965	68,716	34,773
Corn sirup, corn sugar, corn oil, and starch.	1929	35	6,730	9,873	104,285	165,984	61,699	84,686
	1927	26	6,972	10,490	99,906	134,461	43,555	81,003
	1925	30	6,492	9,378	93,064	132,898	39,834	72,617
Peanuts: Grading, roasting, cleaning, and shelling.[4]	1925	69	1,990	978	18,184	20,624	2,440	8,830
	1923	70	1,492	748	15,176	18,189	3,013	7,703
Peanuts, walnuts, and other nuts, processed.[5]	1929	169	7,933	3,080	39,529	49,609	10,079	16,193
	1927	144	7,376	3,287	45,890	55,950	10,059	13,956
Rice cleaning and polishing.	1929	60	1,589	1,449	38,444	48,794	10,350	22,901
	1927	60	1,524	1,546	46,481	54,130	7,649	23,012
	1925	63	1,296	1,098	45,847	53,498	7,651	21,906
Shortenings (not including lard) and vegetable cooking oils.[2]	1929	40	2,712	3,004	139,031	164,553	15,522	36,647
	1927	33	2,655	2,624	137,079	148,468	11,389	33,462
Sugar, beet	1929	82	7,496	10,021	70,960	108,553	37,592	146,393
	1927	79	7,402	9,710	79,017	104,927	25,910	142,023
	1925	89	8,872	12,088	87,038	132,339	45,301	146,985
Sugar, cane, not including products of refineries.	1929	70	2,319	1,642	12,223	18,326	6,103	66,779
	1927	53	971	639	5,830	8,009	2,179	45,705
	1925	94	2,066	1,411	11,586	13,435	1,849	72,796
Sugar refining, cane	1929	21	13,912	17,850	438,399	507,389	68,990	98,637
	1927	21	13,996	17,707	551,594	597,446	45,851	86,979
	1925	21	14,502	18,955	549,896	606,633	56,737	89,098
	1923	20	15,254	20,044	681,880	726,242	44,361	72,682
	1921	20	15,457	19,463	426,601	466,602	40,001	
Malt	1929	28	590	1,057	18,924	23,603	4,679	18,098
	1927	23	500	904	17,187	20,274	3,087	15,390
	1925	23	568	903	19,986	24,069	4,083	15,259

Footnotes at end of table.

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No. 754.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOOD AND KINDRED PRODUCTS—Contd.								
Vinegar and cider	1929	172	979	1,022	6,016	10,450	4,434	8,674
	1927	158	1,123	1,236	5,858	10,755	4,897	7,562
	1925	161	1,243	1,232	6,838	12,233	5,395	6,929
Cereal preparations	1929	121	6,488	8,876	101,472	175,223	73,752	66,291
	1927	77	6,028	8,417	91,748	155,563	63,815	50,979
	1925	90	6,168	7,942	92,577	150,079	57,502	52,626
Beverages	1929	5,154	28,281	38,314	103,026	270,324	167,298	149,166
	1927	4,769	26,972	36,101	95,430	242,694	147,264	153,731
	1925	4,210	27,384	36,053	98,466	237,761	139,295	168,865
	1923	4,514	29,274	37,689	99,572	228,730	129,158	221,292
	[6]1921	3,867	33,202	45,652	116,102	237,628	121,526	
Ice, manufactured	1929	4,110	32,184	42,399	39,808	210,952	171,144	1,077,295
	1927	3,159	22,120	32,611	40,816	184,795	143,979	965,406
	1925	3,077	24,915	35,046	44,725	186,969	142,244	923,134
	1923	3,097	26,852	35,040	46,664	164,662	117,998	845,012
	1921	2,715	24,066	32,630	51,174	158,889	107,715	
TEXTILES AND THEIR PRODUCTS								
Textile-mill products, total.	1929	6,974	1,096,163	1,052,971	2,820,993	5,043,171	2,222,178	3,843,398
	1927	7,244	1,119,733	1,099,735	2,762,674	4,933,282	2,170,607	3,906,023
	1925	7,470	1,110,209	1,066,262	3,234,035	5,342,617	2,108,583	3,748,885
	1923	7,816	1,164,638	1,122,751	3,213,272	5,527,557	2,314,285	3,556,440
	1921	7,241	993,557	896,373	2,136,803	3,896,449	1,759,646	
Cotton goods	1929	1,281	424,916	324,289	898,029	1,524,177	626,148	2,269,346
	1927	1,347	467,596	380,910	871,592	1,567,401	695,809	[7]2,328,830
	1925	1,366	445,184	353,883	1,077,153	1,714,368	637,215	2,236,363
	1923	1,375	471,503	396,803	1,147,372	1,901,126	753,753	2,153,299
	1921	1,328	412,058	328,227	707,442	1,278,221	570,779	
Cotton small wares	1929	202	15,281	15,449	33,636	65,170	31,534	27,308
	1927	220	14,958	15,333	32,222	64,820	32,598	29,295
	1925	230	16,162	15,547	41,816	74,675	32,859	33,760
Lace goods	1929	42	6,854	7,670	10,112	29,237	19,125	10,466
	1927	43	6,482	7,585	11,392	27,298	15,906	11,309
	1925	42	7,006	7,620	13,361	30,844	17,482	9,507
Knit goods	1929	1,888	208,488	210,714	456,701	899,717	443,016	181,879
	1927	1,869	190,283	188,163	424,099	816,620	392,521	177,216
	1925	1,987	186,668	168,683	453,926	809,960	356,034	176,630
	1923	2,323	194,244	168,272	484,020	848,177	364,157	183,675
	1921	2,078	161,880	132,190	360,458	634,074	273,616	
Silk and rayon manufactures.	1929	1,491	130,467	137,547	412,181	731,200	319,019	220,225
	1927	1,648	127,643	140,054	445,391	750,124	304,733	221,249
	1925	1,659	132,509	142,734	484,123	808,979	324,857	212,609
	1923	1,598	125,234	126,849	479,038	761,322	282,284	206,020
	1921	1,565	121,378	113,396	337,559	583,419	245,860	
Woolen goods	1929	460	58,474	66,014	165,882	290,939	125,057	195,247
	1927	471	61,790	72,156	172,700	301,309	128,609	191,703
	1925	503	67,056	82,436	219,618	361,524	141,906	193,080
	1923	513	72,408	87,314	201,548	364,288	162,740	180,657
	1921	493	56,434	62,893	120,276	230,945	110,669	
Worsted goods	1929	264	88,485	98,138	336,649	536,067	199,418	372,536
	1927	288	92,571	101,666	329,408	516,670	187,262	364,422
	1925	329	98,168	108,835	400,784	596,266	195,483	377,215
	1923	338	122,144	135,671	421,184	698,271	277,086	357,808
	1921	321	105,930	112,001	279,770	524,639	244,869	
Felt goods, wool, hair, or jute.	1929	54	5,540	7,531	26,224	45,466	19,242	25,655
	1927	50	5,452	6,653	23,289	41,895	18,606	23,479
	1925	50	5,146	6,404	26,354	43,776	17,421	23,478
Hats, wool-felt	1929	14	2,028	2,315	4,078	9,056	4,377	2,811
	[7]1927	12	2,113	2,190	4,490	8,807	4,317	2,405
	1925	22	1,854	1,986	5,123	8,949	3,826	2,550
Hats, fur-felt	1929	159	16,539	22,503	55,298	102,004	46,706	19,894
	[7]1927	139	15,896	22,855	51,053	99,185	48,132	20,517
	1925	146	15,156	20,466	40,124	80,066	39,942	17,948

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
Carpets and rugs, wool, other than rag.	1929	67	32,623	40,014	86,651	176,915	90,264	65,205
	1927	65	32,829	42,041	85,602	166,888	81,287	65,828
	1925	69	33,886	43,383	104,196	187,779	83,583	63,008
Wool shoddy	1929	50	1,762	2,109	10,127	15,345	5,218	15,940
	1927	55	1,679	1,916	7,981	12,597	4,616	15,353
	1925	68	2,218	2,609	14,912	21,022	6,109	15,435
Wool pulling	1929	18	596	907	10,917	13,648	2,731	1,847
	1927	18	524	769	12,466	14,640	2,174	2,403
	1925	23	573	841	13,637	15,209	1,572	2,706
Wool scouring	1929	21	1,302	1,771	3,022	6,241	3,220	8,241
	1927	25	1,386	1,982	3,010	6,662	3,652	7,935
	1925	25	1,112	1,601	2,527	5,831	3,304	7,823
Cordage and twine	1929	123	14,489	12,834	54,573	91,455	36,882	73,021
	1927	116	15,084	13,674	56,105	89,172	33,067	74,924
	1925	118	15,400	14,019	66,848	100,448	33,600	77,563
Jute goods	1929	20	4,931	4,276	11,968	21,870	9,902	35,079
	1927	23	5,358	4,987	11,802	23,186	11,384	36,210
	1925	23	6,312	5,640	14,567	27,517	12,951	28,753
Flax and hemp, dressed	1929	6	47	35	93	197	104	429
	1927	7	62	51	116	283	167	654
	1925	9	82	89	244	459	215	1,457
Linen goods	1929	16	2,195	2,185	5,214	9,737	4,522	11,006
	1927	18	2,530	2,545	5,409	10,377	4,968	11,473
	1925	18	2,607	2,462	6,394	11,157	4,762	12,119
Mats and matting, grass and coir.	1929	7	467	440	685	1,692	1,007	1,293
	1927	7	422	398	669	1,537	868	1,425
	1925	10	902	767	1,526	3,492	1,965	2,147
Haircloth	1929	13	450	527	2,551	3,855	1,305	1,113
	1927	16	385	480	2,689	3,616	927	1,312
	1925	15	355	387	1,897	2,746	849	1,058
Dyeing and finishing textiles.	1929	732	79,327	94,245	235,712	465,821	230,108	304,057
	1927	743	73,851	91,697	210,681	406,047	195,366	287,212
	1925	697	70,749	83,983	220,678	408,515	187,837	252,701
	1923	713	63,414	72,525	199,156	366,623	167,467	204,128
	1921	599	51,510	58,139	141,199	276,751	135,552	----------
Cloth sponging and refinishing.	1929	46	902	1,457	88	3,361	3,273	800
	1927	52	736	1,502	161	3,458	3,297	933
	1925	61	931	1,889	203	3,889	3,685	975
Wearing apparel made from purchased fabrics, total.	1929	16,195	536,561	596,659	1,867,042	3,536,041	1,668,999	137,880
	1927	15,486	501,656	578,152	1,771,890	3,391,881	1,619,990	126,723
	1925	14,883	466,846	534,823	1,174,618	3,243,849	1,502,231	119,744
	1923	16,904	499,413	568,139	1,852,229	3,443,940	1,591,711	132,317
	1921	16,784	473,574	534,312	1,424,284	2,710,657	1,286,373	----------
Clothing (except work clothing), men's youths', and boys', not elsewhere classified.[9]	1929	3,691	149,868	179,769	440,505	901,104	460,599	40,325
	1927	3,562	146,099	184,613	447,245	932,182	484,937	34,351
	1925	3,491	141,511	179,045	471,501	946,274	474,773	33,207
	1923	4,024	158,173	207,252	483,927	1,016,722	532,795	40,250
Clothing (work, men's, not including shirts),	1929	511	38,201	26,647	83,552	138,450	54,898	11,492
	1927	556	40,612	29,946	85,134	147,289	62,155	11,218
	1925	509	32,821	24,803	85,969	140,964	54,994	11,542
Clothing, men's, buttonholes.	1929	32	292	314	61	574	513	104
	1927	40	412	429	98	918	820	132
	1925	30	327	347	71	658	587	87
Shirts	1929	863	59,830	43,428	116,678	228,322	111,643	17,040
	1927	907	57,216	42,998	129,744	241,650	111,906	14,916
	1925	840	49,864	35,674	129,754	225,963	96,209	13,884
	1923	934	51,672	37,943	139,354	241,331	101,977	14,050
	1921	860	45,427	33,182	123,259	203,944	80,685	----------
Furnishing goods, men's, not elsewhere classified.[9]	1929	598	26,588	23,009	83,632	150,964	67,332	7,036
	1927	534	25,183	22,070	82,839	145,474	62,635	7,190
	1925	419	21,094	17,438	69,861	120,868	51,006	4,977

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No. 754—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
Collars, mens'.....	1929	15	2,952	2,263	3,630	8,740	5,110	1,281
	1927	24	3,270	2,967	5,867	13,264	7,398	3,131
	1925	28	7,187	5,503	11,792	27,588	15,795	4,497
Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.	1929	125	9,279	5,914	19,289	29,883	10,594	3,702
	1927	131	10,296	6,670	17,392	30,202	12,810	4,112
	1925	139	9,061	5,709	17,977	29,532	11,554	4,102
Suspenders, garters, and other elastic woven goods, made from purchased webbing.	1929	91	4,341	3,971	17,906	30,473	12,567	1,180
	1927	91	4,061	3,529	16,260	26,985	10,726	983
	1925	93	3,835	3,072	16,500	27,504	11,004	876
Hats and caps, except, felt and straw, men's.	1929	576	5,826	7,694	16,908	35,901	18,993	1,796
	1927	568	6,300	9,126	20,702	41,214	20,512	1,999
	1925	579	6,552	9,243	22,699	43,823	21,124	1,876
Clothing, women's, not elsewhere classified.	1929	8,082	187,500	243,851	934,414	1,709,581	775,167	35,291
	1927	7,588	154,459	211,350	809,520	1,494,401	684,881	30,287
	1925	6,127	120,466	175,045	724,299	1,293,705	569,406	24,316
	1923	7,046	133,195	176,446	809,561	1,406,684	597,123	27,704
	1921	7,061	144,865	185,082	567,810	1,022,743	454,933	----------
Corsets and allied garments.	1929	213	13,664	12,446	36,035	76,802	40,767	6,048
	1927	222	13,778	12,402	35,394	77,218	41,824	7,819
	1925	185	14,525	12,394	37,808	77,115	39,307	8,394
Handkerchiefs [9].....	1929	105	6,014	4,636	16,343	29,554	13,211	2,409
	1927	115	6,659	5,264	18,205	31,588	13,383	2,665
Millinery [9].....	1929	1,293	32,206	42,715	98,090	195,693	97,604	10,176
	1927	1,148	33,311	46,788	103,490	209,495	106,005	7,920
Other articles made from purchased fabrics, total.	1929	4,235	75,074	83,402	415,811	664,091	248,280	164,720
	1927	4,113	73,027	82,071	388,151	625,310	237,159	140,692
	1925	2,097	51,228	53,729	374,272	539,689	165,417	117,893
	1923	2,043	51,242	52,908	328,941	490,785	161,844	94,644
	1921	1,930	42,607	41,667	240,003	349,360	109,357	----------
Awnings, tents, sails, and canvas covers.	1929	1,002	7,162	8,559	25,328	49,238	23,909	4,995
	1927	963	6,543	8,229	24,410	47,929	23,520	4,850
	1925	905	6,249	7,501	27,453	48,569	21,116	4,564
Bags, other than paper, not made in textile mills.	1929	202	11,828	9,645	144,275	170,176	25,900	19,159
	1927	181	11,164	9,548	136,748	162,950	26,201	15,754
	1925	162	11,404	9,332	150,102	175,082	24,980	15,295
Belting, other than leather and rubber, not made in textile mills.	1929	9	255	299	1,328	2,789	1,461	1,648
	1927	11	343	411	1,490	3,212	1,722	1,457
	1925	11	254	264	1,596	3,112	1,516	914
Embroideries [9].....	1929	813	6,622	7,868	6,609	25,287	18,678	2,279
	1927	1,069	8,964	10,962	7,960	32,419	24,459	2,930
Trimmings (not made in textile mills) and stamped art goods for embroidering.[2]	1929	639	7,934	9,762	20,783	45,180	24,397	3,068
Horse blankets, fly nets, and related products.	1929	14	582	498	1,471	2,895	1,424	1,375
	1927	16	660	574	1,878	3,379	1,501	1,421
	1925	20	694	564	2,535	3,897	1,362	1,773
Flags and banners.....	1929	54	938	794	1,771	3,836	2,065	577
	1927	46	1,046	898	2,282	4,536	2,254	700
	1925	49	1,031	890	2,332	4,588	2,256	629
Regalia, badges, and emblems.	1929	77	1,757	1,825	3,227	7,927	4,700	1,105
	1927	76	1,675	1,760	3,019	7,691	4,672	1,015
	1925	85	1,992	2,033	3,962	9,623	5,661	1,068
Hat and cap materials, men's.	1929	112	2,564	2,876	17,305	25,031	7,726	5,164
	1927	96	2,762	2,659	15,672	23,339	7,668	5,188
	1925	89	2,127	2,413	15,218	22,049	6,831	5,141
Nets and seines.....	1929	19	903	769	3,789	6,164	2,375	1,155
	1927	21	869	776	3,348	5,401	2,053	1,162
	1925	21	885	762	3,479	5,157	1,678	1,190

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
TEXTILES AND THEIR PRODUCTS—Contd.								
House-furnishing goods, not elsewhere classified.	1929	964	15,794	16,150	76,625	127,602	50,977	16,866
	1927	548	11,691	10,947	52,705	87,677	34,972	12,997
	1925	433	9,307	9,143	51,079	78,655	27,576	10,702
Carpets and rugs, rag	1929	94	1,529	1,562	1,659	5,511	3,852	2,416
	1927	110	1,633	1,678	1,636	5,890	4,254	2,005
	1925	139	1,901	1,876	1,942	5,710	3,767	2,349
Linoleum	1929	7	5,544	8,560	27,489	57,250	29,761	51,647
	1927	7	5,364	8,177	24,216	47,442	23,227	41,432
	1925	6	4,872	6,393	19,967	44,999	25,033	31,840
Oilcloth	1929	9	1,412	2,144	14,925	23,107	8,183	5,017
	1927	8	1,072	1,746	11,819	17,642	5,824	3,565
	1925	9	1,160	1,675	13,549	17,843	4,294	3,484
Artificial leather	1929	17	2,590	3,956	22,268	32,961	10,693	14,650
	1927	19	2,730	4,007	21,828	34,228	12,400	14,467
	1925	18	2,659	3,801	31,238	40,932	9,693	10,593
Asphalted-felt-base floor covering	1929	14	2,345	3,501	14,279	31,889	17,610	11,092
	1927	12	2,442	3,695	16,186	34,101	17,914	8,904
	1925	11	2,464	3,338	14,930	32,532	17,602	9,575
Upholstering materials, not elsewhere classified.	1929	53	1,410	1,317	7,046	11,234	4,188	3,915
	1927	39	1,080	1,162	6,556	9,673	3,117	4,482
	1925	34	1,196	1,174	5,123	7,998	2,875	3,380
Waste	1929	136	3,905	3,316	25,633	36,014	10,381	18,592
	1927	118	3,494	2,853	23,049	33,377	10,328	14,529
	1925	105	3,033	2,570	29,766	38,943	9,177	13,664
FOREST PRODUCTS								
Basic industries, total.	1929	14,164	460,482	437,840	432,337	1,314,763	882,426	1,997,963
	1927	8,723	453,131	431,496	508,680	1,259,370	750,690	1,795,875
	1925	10,286	497,803	473,085	593,935	1,468,427	874,492	2,064,631
	1923	10,671	531,545	492,617	584,802	1,534,991	950,188	1,944,962
	1921	10,233	392,756	323,977	386,881	930,015	543,134	
Excelsior	1929	66	1,241	1,219	2,440	5,009	2,569	10,667
	1927	64	1,272	1,181	2,547	4,821	2,274	10,930
	1925	72	1,300	1,180	2,573	4,901	2,328	11,993
Lumber and timber products, not elsewhere classified.	1929	12,915	419,084	421,585	419,603	1,273,472	853,869	1,985,301
	1927	7,510	413,946	413,362	493,959	1,214,646	720,687	1,781,734
	1925	9,207	467,090	456,716	579,475	1,421,162	841,687	2,049,500
	1923	9,393	495,932	475,962	573,064	1,494,462	921,398	1,932,091
	1921	9,092	364,247	313,487	377,927	902,501	524,574	
Turpentine and rosin	1929	1,183	40,157	15,036	10,294	36,282	25,988	1,995
	1927	1,149	37,913	16,953	12,173	39,903	27,730	3,211
	1925	1,007	29,413	15,190	11,887	42,364	30,477	3,138
Wood-reworking industries, total.[1]	1929	6,081	114,640	142,566	337,264	655,345	318,080	787,660
	1927	5,582	117,905	149,783	359,316	672,336	313,020	727,274
	1925	5,727	132,115	169,154	440,457	798,288	357,831	680,390
	1923	5,159	125,966	156,707	441,284	783,751	342,467	575,740
	1921	5,314	97,416	115,619	307,989	538,617	230,628	
Planing-mill products (including general millwork), not made in planing mills connected with sawmills.	1929	4,849	90,134	116,423	296,008	553,583	257,575	677,998
	1927	4,561	96,589	126,140	321,443	581,634	260,190	630,674
	1925	4,761	111,329	146,592	403,227	710,861	307,635	597,103
	1923	4,215	103,008	133,329	401,174	692,784	291,610	493,424
	1921	4,366	78,033	95,954	272,082	462,649	190,567	
Window and door screens and weather strip.	1929	280	4,034	4,958	10,513	24,452	13,939	14,034
	1927	214	3,661	4,806	9,304	22,643	13,339	11,529
	1925	183	3,803	4,687	9,545	22,398	12,853	10,674
Wood turned and shaped and other wooden goods, n. e. c.	1929	894	18,712	18,617	28,429	69,620	41,191	88,398
	1927	748	15,937	16,333	26,064	60,530	34,466	77,425
	1925	721	14,948	14,862	24,636	55,728	31,092	65,110
Lasts and related products	1929	58	1,760	2,569	2,315	7,690	5,375	7,230
	1927	59	1,718	2,504	2,505	7,529	5,024	7,655
	1925	62	2,035	3,012	3,049	9,301	6,252	7,512

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
FOREST PRODUCTS—Continued								
Wooden-container industries, total.	1929	1,769	54,971	51,078	129,656	235,178	105,522	196,844
	1927	1,648	56,124	52,721	134,471	235,578	101,107	192,489
	1925	1,762	57,961	55,671	142,775	249,612	106,837	192,281
	1923	1,872	62,121	58,271	154,804	265,501	110,696	200,457
	1921	1,872	51,923	45,796	125,865	204,779	78,914	----------
Boxes, wooden, except cigar boxes.	1929	792	30,554	29,194	74,082	135,026	60,944	137,261
	1927	748	30,797	29,250	75,797	133,993	58,195	135,637
	1925	824	34,834	33,765	86,391	152,295	65,903	143,519
Boxes, cigar, wooden	1929	118	4,374	3,508	5,238	12,459	7,221	5,518
	1927	136	4,577	3,925	5,621	12,909	7,288	5,478
	1925	155	4,836	3,967	5,450	12,925	7,474	5,210
Cooperage	1929	586	10,691	11,706	41,516	64,842	23,326	33,885
	1927	528	11,455	12,937	43,821	66,947	23,126	33,553
	1925	553	11,483	12,908	44,176	67,735	23,559	30,758
Baskets and rattan and willow ware, not including furniture.	1929	273	9,353	6,671	8,820	22,851	14,031	20,180
	1927	236	9,295	6,608	9,231	21,729	12,498	17,821
	1925	230	6,808	5,033	6,758	16,658	9,900	12,794
Furniture and related industries, total.	1929	4,184	209,019	263,629	462,676	1,036,659	573,983	547,199
	[10]1927	3,593	203,338	258,300	426,644	969,968	543,324	488,660
	1925	3,601	195,643	244,886	418,235	951,170	532,935	434,238
	1923	3,434	182,014	222,461	372,545	851,801	479,256	369,484
	1921	3,449	134,937	157,245	279,041	606,239	327,198	----------
Furniture, including store and office fixtures.[11]	1929	3,778	193,399	242,832	426,454	948,116	521,662	503,970
	1927	3,228	188,143	238,240	392,099	885,204	493,106	455,881
	1925	3,239	181,016	225,298	384,875	868,720	483,845	402,719
	1923	3,047	168,157	204,566	342,443	776,847	434,404	344,954
	1921	3,038	124,362	144,148	253,706	550,413	296,707	----------
Refrigerators and refrigerator cabinets, excl. of mechanical refrigerating equipment.	1929	188	9,784	13,182	26,451	60,483	34,032	28,493
	1927	165	9,551	12,617	25,095	58,163	33,068	24,216
	1925	167	9,360	12,589	24,744	57,666	32,922	23,297
Billiard and pool tables, bowling alleys, and accessories.	1929	40	1,390	1,863	3,238	8,821	5,583	6,402
	1927	34	1,184	1,550	2,394	7,112	4,718	2,335
	1925	33	1,037	1,354	1,781	5,614	3,834	2,120
Mirror and picture frames.	1929	178	4,446	5,752	6,532	19,238	12,705	8,334
	1927	166	4,460	5,893	7,056	19,489	12,432	6,228
	1925	162	4,230	5,646	6,835	19,170	12,335	6,102
Other allied products, total.[1]	1929	714	37,270	44,269	224,250	349,821	125,571	144,538
	1927	623	34,010	39,620	207,537	325,673	118,136	128,159
	1925	550	30,836	35,675	129,949	221,629	91,680	101,421
	1923	542	30,170	32,539	112,960	197,342	84,382	105,097
	1921	530	26,328	27,824	97,852	177,206	79,354	----------
Caskets, coffins, burial cases, and other morticians' goods.	1929	414	13,033	16,411	39,350	88,282	48,932	39,609
	1927	340	11,665	14,421	33,327	74,891	41,563	31,105
	1925	326	11,479	14,057	32,771	70,413	37,641	29,164
Cork products	1929	35	3,842	4,209	12,603	23,023	10,421	14,829
	1927	27	3,185	3,560	9,395	17,369	7,974	11,683
	1925	33	3,297	3,538	7,269	16,020	8,752	11,084
Matches	1929	21	3,760	4,118	12,526	20,351	7,825	17,997
	1927	19	3,905	4,131	11,884	24,906	13,022	17,607
	1925	25	4,627	4,707	12,913	23,741	10,828	16,314
Pulp goods	1929	45	3,558	4,592	12,068	27,220	15,152	14,190
	1927	44	2,996	3,783	11,375	23,950	12,575	13,839
	1925	35	3,017	3,767	10,286	20,270	9,984	11,338
Wood preserving	1929	199	13,077	14,940	147,703	190,945	43,242	57,913
	1927	193	12,259	13,726	141,555	184,558	43,003	50,606
	1925	131	8,416	9,606	66,709	91,184	24,475	33,521

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No. 754.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PAPER AND PAPER PRODUCTS								
Paper and pulp, total [12]	1929	883	128,049	173,078	723,361	1,206,114	482,754	2,968,431
	1927	929	123,360	162,002	724,111	1,138,090	413,979	2,642,806
	1925	763	123,842	160,146	605,360	971,882	366,022	2,427,010
	1923	746	120,677	151,477	573,727	907,347	333,620	2,178,623
	1921	738	105,294	127,029	445,992	667,436	221,444	.....
Paper [1]	1929	685	103,320	140,398	574,608	967,186	392,578	[13]2,968,431
	1927	710	98,566	130,475	572,786	919,891	347,106	[13]2,642,806
Pulp (wood and other fiber). [2]	1929	198	24,729	32,679	148,753	238,928	90,176	(14)
	1927	219	24,794	31,527	151,325	218,198	66,873	(14)
Converted paper products, total. [1]	1929	2,243	105,344	114,253	369,361	686,137	316,775	198,373
	1927	2,043	101,077	110,152	358,252	647,908	289,656	170,888
	1925	1,964	97,660	102,951	313,797	574,932	261,135	147,697
	1923	1,939	98,349	98,667	305,037	549,623	244,586	134,939
	1921	1,862	79,462	75,674	223,078	404,364	181,287	.....
Bags, paper, exclusive of those made in paper mills.	1929	95	6,970	6,661	43,238	64,621	21,383	13,416
	1927	88	6,463	6,394	40,735	57,490	16,755	9,336
	1925	66	5,585	5,524	29,957	45,978	16,021	6,414
Boxes, paper, not elsewhere classified.	1929	1,249	55,654	57,110	159,840	294,253	134,414	80,064
	1927	1,219	56,398	57,701	168,464	306,555	138,091	81,300
	1925	1,229	57,148	57,172	151,712	281,944	130,232	76,185
	1923	1,216	56,855	53,966	144,079	264,209	120,129	61,687
	1921	1,191	46,242	40,477	88,268	174,248	85,981	.....
Labels and tags	1929	153	4,474	5,869	10,556	28,042	17,487	6,473
	1927	121	6,141	8,000	16,259	34,398	18,138	6,869
	1925	113	5,356	6,730	13,096	28,045	14,950	4,808
Card cutting and designing.	1929	70	2,338	2,725	9,286	19,648	10,362	3,909
	1927	60	2,024	2,707	7,544	16,871	9,327	3,915
	1925	49	1,086	1,084	2,436	6,201	3,765	1,355
Cardboard, not made in paper mills.	1929	13	609	819	2,665	5,629	2,964	1,549
	1927	9	658	849	2,868	5,581	2,713	1,779
	1925	13	978	1,188	3,475	7,288	3,813	1,795
Envelopes	1929	171	10,367	11,527	29,928	61,287	31,359	13,077
	1927	153	9,745	10,755	28,973	56,006	27,033	11,391
	1925	135	9,052	9,987	27,423	51,189	23,766	10,288
Wall paper	1929	56	4,705	5,732	13,480	30,008	16,527	12,740
	1927	53	4,811	5,981	14,612	30,059	15,447	13,343
	1925	49	5,069	5,863	14,999	30,069	15,070	11,528
Paper goods, not elsewhere classified.	1929	436	20,227	23,810	100,369	182,648	82,279	67,145
	1927	340	14,837	17,765	78,797	140,948	62,151	42,955
	1925	310	13,386	15,403	70,700	124,217	53,518	35,324
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES								
Printing and publishing, total. [1]	1929	24,360	281,119	506,290	660,029	2,760,196	2,100,167	544,588
	1927	22,558	262,740	474,639	664,528	2,521,208	1,856,680	482,295
	1925	21,072	252,515	440,427	612,060	2,283,304	1,671,244	409,121
	1923	20,471	247,384	400,486	587,109	2,030,615	1,443,505	358,019
	1921	20,336	230,395	357,515	590,617	1,838,340	1,247,723	.....
Printing and publishing, book and job. [1]	1929	12,712	150,649	251,577	266,749	1,006,657	739,907	211,448
	1927	11,466	142,347	241,810	253,056	920,251	667,195	194,718
	1925	10,338	134,559	221,425	230,691	820,553	589,862	170,096
	1923	10,094	130,819	202,315	221,377	747,486	526,110	153,334
	1921	9,776	121,871	181,910	217,476	700,605	483,129	.....
Printing and publishing, music.	1929	124	810	1,314	1,542	15,240	13,698	956
	1927	119	994	1,678	1,658	15,882	14,223	1,343
	1925	109	955	1,462	1,828	15,090	13,261	1,363
Printing and publishing, newspaper and periodical.	1929	11,524	129,660	253,399	391,738	1,738,299	1,346,561	332,184
	1927	10,973	119,399	231,151	409,814	1,585,076	1,175,262	286,234
	1925	10,625	117,001	217,541	379,541	1,447,661	1,068,120	237,662
	1923	10,267	115,646	196,804	363,480	1,268,502	905,022	203,454
	1921	10,453	107,534	174,359	371,124	1,123,710	752,586	.....

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Con.								
Industries allied to printing and publishing, total.	1929	3,162	76,869	130,081	106,454	409,943	303,489	104,853
	1927	2,875	65,863	111,544	90,509	338,652	248,143	87,233
	1925	2,754	62,749	101,991	82,517	313,567	231,050	76,966
	1923	2,643	60,609	92,420	78,545	284,703	206,158	71,948
	1921	2,441	52,195	77,213	72,683	240,424	167,740	
Bookbinding and blank-book making.	1929	1,108	24,754	31,779	30,755	102,783	72,029	21,741
	1927	1,063	21,909	28,281	25,875	87,327	61,452	19,038
	1925	970	20,836	26,006	24,127	81,600	57,473	16,147
Engravers' materials	1929	19	313	448	1,795	3,129	1,335	1,493
	1927	17	178	294	1,289	2,169	879	864
	1925	16	177	276	1,202	2,014	812	921
Engraving, steel and copperplate, and plate printing.	1929	456	10,130	14,490	11,865	47,162	35,297	8,506
	1927	393	8,549	11,886	10,236	39,071	28,835	6,894
	1925	368	7,259	10,169	7,628	32,106	24,478	5,764
Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.	1929	189	2,240	3,212	2,583	10,934	8,351	2,965
	1927	173	1,805	2,612	2,078	7,931	5,853	2,028
	1925	188	1,827	2,691	2,177	8,623	6,446	1,753
Engraving, wood	1929	27	142	323	82	739	657	54
	1927	23	132	291	76	641	565	45
	1925	22	117	234	46	525	479	32
Photo-engraving, not done in printing establishments.	1929	654	12,353	31,831	11,003	77,382	66,379	9,349
	1927	611	11,033	28,381	10,790	69,207	58,417	9,366
	1925	577	9,868	24,321	8,393	58,640	50,248	6,735
Lithographing	1929	376	18,979	32,022	38,992	121,014	82,022	35,471
	1927	309	16,348	27,466	32,704	97,050	64,346	28,541
	1925	331	16,957	27,107	32,171	98,721	66,550	28,623
Stereotyping and electrotyping, not done in printing establishments.	1929	230	6,487	13,771	6,547	35,617	29,070	21,347
	1927	197	4,502	10,273	4,677	25,549	20,872	16,388
	1925	193	4,283	9,207	4,280	22,361	18,081	13,774
Printing materials, not including type or printing ink.	1929	84	1,004	1,649	2,185	8,579	6,394	2,709
	1927	70	882	1,402	2,034	7,022	4,988	2,339
	1925	71	888	1,379	1,787	6,525	4,739	1,981
Type founding	1929	19	467	556	648	2,604	1,956	1,218
	1927	19	525	658	749	2,684	1,935	1,230
	1925	18	537	603	705	2,451	1,745	1,236
CHEMICALS AND ALLIED PRODUCTS								
Chemicals and allied products, other than animal, vegetable, and compounded oils, total.	1929	7,599	260,829	336,816	1,579,431	3,289,289	1,709,858	1,980,145
	1927	6,760	228,674	294,090	1,409,190	2,855,979	1,446,789	1,528,092
	1925	6,509	222,112	275,579	1,374,950	2,651,375	1,276,425	1,464,454
	1923	6,424	226,710	271,444	1,316,282	2,472,610	1,156,328	1,388,993
	1921	6,438	177,525	204,712	1,022,489	1,840,964	818,475	
Ammunition and related products.	1929	21	7,223	8,273	19,842	43,809	23,967	17,061
	1927	20	7,602	8,266	20,945	45,602	24,657	17,175
	1925	27	7,777	7,987	22,820	41,707	18,887	23,316
Explosives	1929	95	5,614	8,488	31,764	72,540	40,775	51,612
	1927	100	5,803	8,131	36,834	72,490	35,596	38,239
	1925	103	5,697	7,731	37,877	69,669	31,791	37,808
Fireworks	1929	50	1,811	1,931	2,465	6,584	4,119	1,746
	1927	36	1,564	1,395	2,624	5,885	3,261	1,300
	1925	41	1,446	1,429	2,399	6,031	3,632	1,148

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Baking powders, yeast, and other leavening compounds.	1929	48	3,006	4,847	22,598	52,337	29,738	42,788
	1927	47	3,032	4,794	24,619	[7] 55,716	[7] 31,097	42,816
	1925	49	2,931	4,063	23,376	[7] 53,347	[7] 29,972	36,633
Blacking, stains, and dressings.	1929	170	1,617	1,959	8,345	24,682	16,337	3,317
	1927	176	1,716	2,181	9,186	22,548	13,363	4,005
	1925	171	1,869	2,164	9,734	25,055	15,322	2,659
Bluing	1929	20	105	107	469	1,365	896	169
	1927	20	155	151	594	1,674	1,080	363
	1925	23	176	185	1,017	2,167	1,150	366
Bone black, carbon black, and lampblack.	1929	77	1,915	2,583	9,096	20,170	11,074	11,368
	1927	67	1,553	2,047	6,571	14,262	7,691	8,005
	1925	66	1,505	1,722	5,655	14,565	8,910	7,289
Candles	1929	20	781	923	3,251	6,686	3,436	1,971
	1927	17	709	761	2,959	6,351	3,392	996
	1925	20	626	673	2,786	5,114	2,328	922
Chemicals, not elsewhere classified.[1, 15]	1929	551	62,199	94,680	363,577	738,048	374,472	854,358
	1927	492	52,347	78,275	296,677	572,091	275,414	576,285
	1925	751	57,890	83,537	282,712	570,310	287,598	546,797
	1923	773	77,254	103,301	328,597	655,275	326,678	592,023
	1921	728	49,138	62,161	200,273	412,231	211,959	----------
Cleaning and polishing preparations.	1929	429	2,713	3,356	19,399	50,780	31,381	10,609
	1927	341	2,403	2,988	15,220	41,234	26,015	8,485
	1925	299	2,161	2,660	12,707	34,020	21,313	6,279
Drug grinding	1929	26	677	841	5,675	9,669	3,994	5,277
	1927	25	659	820	5,684	9,205	3,522	4,662
	1925	22	622	710	4,921	8,446	3,525	4,339
Druggists' preparations	1929	429	10,688	12,452	43,776	124,778	81,003	19,448
	1927	373	10,138	11,942	40,499	110,309	69,810	15,919
	1925	370	9,685	11,078	36,064	95,420	59,356	12,553
Patent or proprietary medicines and compounds.	1929	1,522	16,434	18,781	94,770	318,907	224,137	44,538
	1927	1,282	15,071	16,667	84,644	278,243	193,602	34,082
	1925	1,279	14,802	15,592	84,790	247,564	162,774	33,840
	1923	1,363	17,353	16,915	88,802	237,494	148,692	29,998
	1921	1,436	13,800	13,684	69,571	175,898	106,327	----------
Perfumes, cosmetics, and other toilet preparations.	1929	815	13,109	13,763	58,299	193,441	135,142	12,150
	1927	705	10,463	10,965	52,765	161,246	108,480	10,431
	1925	594	8,714	8,537	46,933	129,510	82,578	7,381
Tanning materials, natural dyestuffs, mordants and assistants, and sizes.	1929	126	2,419	3,114	25,336	39,836	14,500	22,575
	1927	122	2,414	2,971	23,074	35,677	12,603	29,172
	1925	125	2,495	2,987	22,763	34,784	12,021	32,634
Fertilizers	1929	638	20,926	17,884	159,801	232,511	72,710	166,984
	1927	621	18,612	17,650	138,143	190,385	52,242	156,274
	1925	587	19,644	17,743	137,808	206,773	68,965	152,193
	1923	573	18,572	16,365	127,980	183,089	55,108	161,774
	1921	588	16,898	16,026	144,978	180,375	35,397	----------
Compressed and liquefied gases.[16]	1929	354	3,390	5,378	14,529	52,190	37,661	85,293
	1927	313	3,212	4,948	11,749	50,547	38,799	70,489
Glue and gelatin	1929	74	2,993	4,236	18,978	32,458	13,480	23,584
	1927	61	3,226	4,524	19,223	31,196	11,973	24,763
	1925	55	3,325	3,976	15,338	25,764	10,426	22,807
Mucilage, paste, and other adhesives, except glue and rubber cement.	1929	84	414	547	3,669	6,638	2,970	2,564
	1927	80	502	679	4,270	7,945	3,675	2,219
	1925	84	561	766	5,563	9,853	4,291	2,574
Grease and tallow, not including lubricating greases.	1929	297	5,475	7,862	40,142	61,608	21,466	41,686
	1927	247	5,052	7,403	38,272	56,280	18,008	34,069
	1925	263	5,303	7,508	33,713	51,442	17,729	30,840

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
CHEMICALS AND ALLIED PRODUCTS—Continued								
Ink, printing	1929	147	2,448	3,957	19,205	42,750	23,545	20,300
	1927	123	2,288	3,665	16,054	37,734	21,680	18,901
	1925	109	2,150	3,346	16,253	34,753	18,501	17,041
Ink, writing	1929	29	416	480	1,993	4,595	2,602	847
	1927	24	491	576	2,209	5,342	3,133	743
	1925	28	524	596	2,424	6,084	3,660	700
Alcohol, ethyl, and distilled liquors.	1929	30	1,484	2,131	35,046	54,285	19,239	13,577
	1927	28	1,180	1,705	19,310	33,971	14,661	7,261
	1925	31	1,395	1,838	38,564	57,706	19,141	10,268
Liquors, vinous	1929	24	186	278	609	2,448	1,839	1,188
	1927	13	150	177	1,206	2,693	1,487	999
	1925	27	265	262	1,765	3,436	1,671	1,499
Paints and varnishes	1929	1,063	29,211	42,245	334,132	568,976	234,844	180,315
	1927	1,006	28,061	40,185	307,724	519,010	211,285	163,187
	1925	923	25,490	35,420	293,943	470,736	176,793	143,111
	1923	826	22,818	29,871	248,955	404,135	155,180	114,281
	1921	804	18,015	23,293	171,398	274,310	102,912	
Rayon and allied products.	1929	29	39,106	44,697	33,335	149,546	116,211	195,844
	1927	19	26,341	28,649	25,748	109,888	84,141	122,406
	1925	14	19,128	22,976	18,478	88,061	69,583	66,966
Salt	1929	58	5,458	6,735	14,188	37,869	23,681	57,711
	1927	58	5,961	7,117	14,664	34,329	19,665	55,928
	1925	70	6,308	7,261	13,849	34,253	20,404	54,647
Soap	1929	282	14,363	18,995	180,353	310,192	129,839	65,856
	1927	256	13,432	19,716	172,244	287,060	114,816	62,025
	1925	272	15,406	18,526	184,874	278,273	93,400	56,697
	1923	270	17,002	20,776	173,546	276,403	102,857	74,820
	1921	283	16,558	18,865	150,356	240,195	89,839	
Wood distillation and charcoal manufacture.	1929	91	4,648	5,293	14,791	29,594	14,803	25,509
	1927	88	4,537	4,739	15,423	27,630	12,208	16,833
	1925	106	4,217	4,305	15,824	25,283	9,459	17,907
Animal, vegetable, and compounded oils, total.	1929	679	20,039	17,577	391,282	470,116	78,834	332,150
	1927	781	24,762	23,818	393,895	495,913	102,018	320,217
	1925	773	22,700	20,946	455,642	559,856	104,214	234,027
	1923	773	19,817	17,390	386,662	460,951	74,290	265,235
	1921	910	22,071	19,621	330,416	384,954	54,538	
Oil, cake, and meal, cottonseed.	1929	553	15,825	11,203	249,020	298,376	49,356	284,395
	1927	547	18,434	14,259	220,038	276,338	56,300	270,500
	1925	535	16,215	11,412	244,315	295,685	51,369	239,005
	1923	511	12,745	7,908	197,515	226,388	28,873	223,742
	1921	610	16,163	12,340	194,864	217,225	22,361	
Oils, essential	1929	22	265	326	3,804	6,653	2,849	1,894
	1927	14	169	258	3,427	4,642	1,215	758
	1925	14	178	281	4,363	5,882	1,519	1,164
Oil, cake, and meal, linseed.	1929	29	2,715	4,098	101,563	119,927	18,364	31,191
	1927	33	2,718	4,325	97,750	111,544	13,793	28,273
	1925	33	2,692	4,290	121,762	140,514	18,751	25,869
Oils, not elsewhere classified.[2]	1929	75	1,234	1,950	36,896	45,160	8,264	14,670
PRODUCTS OF PETROLEUM AND COAL								
Coke, not including gas-house coke.	1929	153	20,552	33,389	281,592	416,348	134,756	393,211
	1927	171	21,082	34,168	286,729	382,013	95,284	451,874
	1925	237	23,191	36,762	277,751	378,634	100,883	409,552
	1923	262	28,364	48,108	354,030	516,923	162,892	332,560
	1921	176	16,070	23,833	168,791	221,313	52,522	

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
PRODUCTS OF PETROLEUM AND COAL—Continued								
Fuel: Briquettes and boulets	1929	23	426	584	5,919	9,498	3,579	14,893
	1927	20	274	446	4,873	7,203	2,330	9,594
	1925	14	246	369	3,936	6,019	2,084	6,573
Gas, manufactured, illuminating and heating	1929	754	43,065	60,161	188,416	512,653	324,236	544,024
	1927	828	48,497	68,356	211,786	516,705	304,920	496,014
	1925	919	45,998	67,436	178,423	455,460	277,037	428,132
	1923	939	42,282	59,600	191,120	450,097	258,977	358,605
	1921	954	34,956	53,306	202,253	411,196	208,942	
Lubricating oils and greases, not made in petroleum refineries.[2]	1929	177	2,577	3,739	39,571	69,584	30,013	13,281
Petroleum refining	1929	390	80,596	131,177	2,031,341	2,639,665	608,324	789,849
	1927	354	71,234	113,717	1,752,997	2,142,649	389,651	552,651
	1925	359	65,324	104,645	1,889,678	2,376,657	486,979	393,753
	1923	382	66,717	103,834	1,425,053	1,793,700	368,647	349,154
	1921	366	63,189	102,294	1,382,170	1,727,440	345,270	
RUBBER PRODUCTS								
Boots and shoes, rubber	1929	22	25,659	29,945	34,396	102,538	68,141	62,603
	1927	22	26,848	32,079	43,373	124,608	81,235	68,359
	1925	23	24,999	28,058	40,566	115,935	75,368	59,413
Rubber tires and inner tubes	1929	91	83,263	127,082	429,607	770,177	340,570	463,257
	1927	109	78,256	120,064	499,221	869,688	370,467	451,724
	1925	126	81,640	120,614	559,940	925,002	365,062	403,227
	1923	160	73,963	108,623	365,165	644,194	279,029	370,551
	1921	178	55,496	75,054	291,554	496,123	204,569	
Rubber goods, other than tires, inner tubes, and boots and shoes.[17]	1929	412	40,226	50,279	114,674	244,746	130,071	295,452
	1927	385	36,893	45,931	117,777	230,781	113,005	270,539
	1925	381	35,230	42,613	121,224	219,869	98,645	197,051
	1923	344	34,470	39,790	90,729	182,584	91,855	178,899
	1921	294	23,889	25,131	54,192	114,747	60,555	
LEATHER AND ITS MANUFACTURES								
Leather: Tanned, curried, and finished	1929	471	49,932	63,414	337,598	481,340	143,742	229,660
	1927	494	52,924	67,887	331,985	494,256	162,271	220,530
	1925	531	52,263	65,834	296,953	452,186	155,233	215,678
	1923	597	59,703	73,784	321,750	488,898	167,148	230,187
	1921	608	48,955	57,741	277,725	383,365	105,640	
Finished products of leather, total.	1929	3,806	268,483	295,999	794,344	1,424,636	630,292	206,682
	1927	3,771	263,067	296,560	756,656	1,375,049	618,393	199,061
	1925	3,712	261,762	289,512	715,927	1,311,523	595,596	197,495
	1923	4,272	285,747	315,712	775,065	1,404,735	629,670	190,277
	1921	4,205	231,116	256,671	656,673	1,160,820	504,147	
Belting, leather	1929	207	2,602	3,550	20,680	35,632	14,952	6,826
	1927	173	2,164	2,925	16,185	27,266	11,080	6,728
	1925	168	2,644	3,505	18,868	31,811	12,943	6,889
Boots and shoes, other than rubber	1929	1,341	205,640	222,408	515,055	965,923	450,867	140,329
	1927	1,357	203,110	225,090	494,553	944,714	450,161	138,706
	1925	1,460	206,992	225,788	481,632	925,383	443,751	139,569
	1923	1,606	225,216	250,346	527,457	1,000,078	472,621	128,550
	1921	1,505	183,502	204,954	478,432	867,476	389,044	
Boot and shoe cut stock, not made in boot and shoe factories	1929	210	9,499	10,320	107,546	133,448	25,902	15,828
	1927	201	8,611	9,354	97,966	121,022	23,056	13,718
	1925	245	7,977	8,906	75,326	94,048	18,721	14,859
Boot and shoe findings, not made in boot and shoe factories	1929	382	10,376	11,058	31,964	58,625	26,661	20,259
	1927	379	9,950	11,202	31,862	57,433	25,571	18,021
	1925	326	8,605	9,695	29,248	52,064	22,815	15,419

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
LEATHER, ETC.—Continued								
Gloves and mittens, leather.	1929	257	9,203	9,204	20,206	39,123	18,917	3,498
	1927	232	9,106	8,814	19,276	36,662	17,386	2,603
	1925	226	7,115	6,915	17,779	33,293	15,514	3,266
Pocketbooks, purses, and cardcases.	1929	290	10,430	15,229	35,352	68,628	33,276	1,828
	1927	257	8,570	13,170	29,619	57,345	27,726	1,725
	1925	190	6,826	9,022	22,442	43,105	20,663	1,356
Saddlery and harness	1929	260	3,339	3,714	13,834	23,339	9,504	4,698
	1927	264	4,023	4,541	16,526	27,356	10,830	4,908
	1925	258	4,570	5,060	18,776	30,084	11,308	5,021
Trunks, suitcases, and bags.	1929	467	11,359	13,757	31,694	63,969	32,275	10,220
	1927	495	10,345	13,085	29,128	59,959	30,830	9,001
	1925	475	10,348	13,226	31,382	61,224	29,842	7,893
Leather goods, not elsewhere classified.	1929	392	6,035	6,760	18,013	35,951	17,938	3,196
	1927	413	7,188	8,379	21,540	43,292	21,752	3,651
	1925	364	6,685	7,396	20,474	40,512	20,038	3,223
STONE, CLAY, AND GLASS PRODUCTS								
Industries using stone as a material, total.	1929	5,146	116,411	171,790	268,246	751,210	482,965	1,856,952
	1927	5,156	126,569	187,879	303,632	787,843	484,211	1,672,639
	1925	4,852	123,699	178,644	300,793	779,031	478,238	1,365,906
	1923	4,621	118,560	167,466	273,368	697,461	424,092	1,071,210
	1921	4,752	84,565	109,834	212,557	464,613	252,056	----------
Concrete products	1929	2,438	16,505	22,688	34,035	92,901	58,866	67,651
	1927	2,330	17,808	24,898	33,913	93,259	59,346	54,342
	1925	1,666	14,722	20,761	27,792	75,214	47,422	38,361
Marble, granite, slate, and other stone products.	1929	1,881	37,817	63,041	57,638	192,164	134,526	305,915
	1927	1,978	40,474	68,491	66,328	201,181	134,853	295,174
	1925	2,356	36,575	59,593	66,976	193,047	126,071	240,297
Lime	1929	237	8,554	9,476	13,908	35,816	21,908	90,276
	1927	260	10,903	12,191	17,269	41,587	24,318	84,195
	1925	283	12,095	14,002	20,049	50,736	30,687	87,871
Cement	1929	174	33,368	48,849	95,242	267,509	172,267	1,183,989
	1927	161	36,322	53,111	120,012	293,565	173,553	1,069,390
	1925	145	38,437	53,912	114,169	300,895	186,726	871,650
	1923	133	35,091	49,708	100,767	264,098	163,332	642,840
	1921	125	26,231	34,416	102,360	203,627	101,267	----------
Wall plaster, wallboard, insulating board, and floor composition.	1929	236	7,462	10,080	28,313	70,663	42,350	142,354
	1927	221	10,014	14,412	31,998	83,856	51,858	116,230
	1925	222	10,978	16,078	39,553	90,957	51,404	82,863
Asbestos products, other than steam packing or pipe and boiler covering.	1929	67	8,092	10,777	25,408	56,164	30,756	40,458
	1927	62	6,337	8,376	21,518	44,156	22,639	26,525
	1925	49	6,129	7,692	19,225	36,274	17,049	22,918
Emery wheels and other abrasive and polishing appliances.	1929	67	3,873	5,820	12,417	32,154	19,738	18,113
	1927	68	3,261	4,608	10,840	24,182	13,342	13,464
	1925	63	3,352	4,770	11,104	25,730	14,626	11,654
Hones, whetstones, and similar products.[2]	1929	6	174	182	341	869	528	850
Sand-lime brick	1929	40	566	776	945	2,971	2,026	7,346
	1927	45	790	1,051	1,158	3,616	2,458	8,599
	1925	41	801	1,119	1,238	3,760	2,522	6,396
Industries using clay and other earths as materials, total.	1929	2,370	133,668	158,476	122,823	441,270	318,447	641,300
	1927	2,598	148,850	182,466	156,264	488,559	332,295	707,248
	1925	2,688	150,953	189,012	155,937	502,770	346,833	700,775
	1923	2,734	151,176	185,282	155,034	497,812	342,778	613,862
	1921	2,624	106,627	120,200	108,774	316,056	207,282	----------

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
STONE, CLAY, ETC.—Continued								
Clay products (other than pottery) and nonclay refractories.	1929	1,749	93,336	106,918	81,699	294,935	213,236	533,887
	1927	1,846	100,972	121,968	99,870	319,908	220,038	529,581
	1925	1,939	102,777	127,127	100,013	333,730	233,717	517,204
	1923	1,983	102,723	123,773	103,318	333,416	230,099	480,576
	1921	1,881	68,759	73,726	68,276	194,329	126,053	----------
Pottery, including porcelain ware.	1929	313	35,409	43,656	27,007	110,622	83,615	61,868
	1927	316	36,667	45,150	33,581	110,597	77,017	54,879
	1925	309	36,636	46,769	33,926	111,078	77,152	50,141
China firing and decorating, not done in potteries.	1929	27	317	420	640	1,554	914	53
	1927	31	366	428	682	1,692	1,010	43
	1925	31	333	386	672	1,590	918	38
Crucibles	1929	11	321	430	1,035	2,945	1,909	1,680
	1927	11	258	344	772	1,982	1,210	1,688
	1925	11	284	381	755	2,092	1,337	1,476
Graphite, ground and refined.	1929	11	494	627	1,458	3,760	2,302	3,156
	1927	13	289	341	1,319	2,932	1,612	3,011
	1925	11	228	278	1,328	2,569	1,241	2,927
Minerals and earths, ground or otherwise treated.[2]	1929	88	1,679	2,188	8,938	17,409	8,471	39,117
Statuary and art goods, factory product.	1929	171	2,112	4,236	2,045	10,045	8,000	1,539
	1927	136	2,028	4,404	2,415	10,187	7,772	1,137
	1925	137	2,033	4,188	2,078	9,330	7,251	1,340
Glass and manufactures of glass, total.	1929	998	78,338	102,552	135,272	368,934	233,663	356,150
	1927	919	74,508	93,928	134,879	336,147	201,268	329,244
	1925	938	78,384	99,356	146,696	358,850	212,154	281,476
	1923	962	81,956	100,819	145,070	367,848	222,778	250,982
	1921	971	61,798	77,031	106,926	252,420	145,494	----------
Glass	1929	263	67,527	87,795	103,294	303,819	200,525	341,979
	1927	269	65,825	81,353	109,911	282,394	172,483	318,208
	1925	310	69,371	86,736	113,652	295,959	182,307	271,639
	1923	333	73,335	89,898	113,170	309,353	196,183	240,528
	1921	329	54,748	68,224	86,036	213,471	127,435	----------
Glass products (except mirrors) made from purchased glass.	1929	431	6,029	7,815	16,319	33,273	16,954	5,757
	1927	400	4,465	6,215	8,779	22,328	13,549	3,316
	1925	410	4,860	6,517	13,331	27,943	14,612	3,531
Mirrors, framed and unframed.	1929	304	4,782	6,942	15,659	31,843	16,184	8,414
	1927	250	4,308	6,361	16,189	31,425	15,236	7,630
	1925	218	4,153	6,104	19,713	34,949	15,235	6,306
IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY								
Crude iron and steel and rolled products, total.	1929	591	419,534	730,974	2,514,377	4,137,214	1,622,837	7,532,530
	1927	602	389,270	645,534	2,269,210	3,488,744	1,219,534	6,781,058
	1925	595	399,914	660,297	2,429,378	3,711,354	1,281,976	6,143,927
	1923	658	424,913	696,760	2,872,028	4,161,938	1,289,910	5,999,941
	1921	628	254,213	354,357	1,366,175	1,901,431	535,256	----------
Iron and steel: Blast furnaces.	1929	105	24,960	41,959	610,294	771,425	161,132	(18)
	1927	116	27,958	44,258	579,555	708,904	129,349	(18)
	1925	122	29,188	45,312	617,417	765,286	147,869	1,380,394
	1923	169	36,712	58,936	827,630	1,007,613	179,983	1,686,419
	1921	134	18,698	29,370	361,050	419,771	58,721	----------
Iron and steel: Steel works and rolling mills.	1929	486	394,574	689,016	1,904,083	3,365,789	1,461,706	[17]7,532,530
	1927	486	361,312	601,275	1,689,655	2,779,840	1,090,185	[17]6,781,058
	1925	473	370,726	614,985	1,811,961	2,946,068	1,134,107	4,763,533
	1923	489	388,201	637,825	2,044,398	3,154,325	1,109,927	4,313,522
	1921	494	235,515	324,987	1,005,125	1,481,659	476,534	----------

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No. 754.—Manufactures: Summary for Individual Industries—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Other iron and steel products, total.[1]	1929	6,049	461,348	650,013	1,348,497	4,137,214	1,652,217	1,668,292
	1927	5,738	445,697	618,278	1,275,405	2,708,850	1,433,445	1,541,672
	1925	5,468	450,869	623,544	1,304,707	2,747,327	1,442,621	1,374,799
	1923	5,695	467,272	627,412	1,280,713	2,665,732	1,385,019	1,259,068
	1921	5,623	317,213	376,518	773,996	1,554,110	780,114	
Bolts, nuts, washers, and rivets, not made in rolling mills.[20]	1929	117	16,175	22,116	44,212	102,392	58,180	66,343
	1927	115	13,614	17,324	38,302	75,876	37,574	57,403
	1925	127	13,907	17,942	38,507	75,926	37,419	59,767
Cast-iron pipe	1929	72	19,741	22,552	34,289	80,261	45,971	69,757
	1927	82	22,892	25,982	48,225	95,089	46,864	63,196
	1925	77	23,033	27,438	48,847	100,919	52,073	54,820
Doors, shutters, and window sash and frames, metal.	1929	148	9,557	17,065	30,178	72,160	41,982	25,027
	1927	117	8,050	15,564	25,602	65,280	39,678	20,626
	1925	92	6,791	12,899	21,628	50,078	28,450	16,699
Forgings, iron and steel, not made in rolling mills.[20 21]	1929	218	20,882	34,505	71,607	156,249	84,641	147,491
	1927	219	15,594	23,540	52,102	105,036	52,934	127,975
	1925	227	20,483	31,538	68,577	135,919	67,341	121,056
Nails, spikes, etc., not made in wire mills or rolling mills.[20]	1929	55	2,027	2,553	5,956	12,855	6,899	9,096
	1927	56	2,100	2,670	5,157	11,753	6,597	8,073
	1925	58	2,227	2,610	5,646	12,318	6,673	8,102
Springs, steel, except wire, not made in rolling mills.[20]	1929	86	5,842	9,314	25,372	46,672	21,300	24,318
	1927	94	5,753	8,913	24,599	43,821	19,222	22,263
	1925	98	5,897	8,989	23,609	44,469	20,860	22,492
Steel barrels, kegs, and drums.	1929	53	4,110	5,769	21,947	37,825	15,878	15,289
	1927	39	2,853	3,986	14,736	24,105	9,369	11,229
	1925	33	2,021	2,914	12,743	19,928	7,185	7,739
Structural and ornamental iron and steel work, not made in rolling mills.[20]	1929	1,482	54,947	87,786	244,696	477,037	232,341	266,175
	1927	1,284	52,392	84,578	243,446	440,376	196,930	251,670
	1925	1,136	48,341	77,411	237,653	420,998	183,345	211,732
	1923	1,056	51,591	80,833	225,487	406,117	180,630	205,518
	1921	1,021	32,897	47,455	151,011	250,086	99,075	
Iron and steel, processed.	1929	46	511	878	1,089	3,865	2,777	2,210
	1927	33	231	392	510	1,443	934	1,716
	1925	26	306	557	643	2,114	1,471	1,870
Wrought pipe, welded and heavy riveted, not made in rolling mills.[20]	1929	50	11,417	18,762	70,120	124,659	54,538	68,630
	1927	44	11,083	16,066	55,779	98,186	42,407	53,938
	1925	42	10,871	17,157	59,142	94,695	35,553	41,306
Firearms	1929	21	6,838	9,210	4,117	21,970	17,853	15,427
	1927	20	6,130	7,934	5,048	19,452	14,405	15,747
	1925	20	4,470	5,584	3,174	15,179	12,005	14,580
Galvanizing and other coating, not done in rolling mills.[20]	1929	65	1,125	1,564	3,939	7,667	3,727	2,266
	1927	59	953	1,449	3,722	6,951	3,228	2,657
	1925	54	804	1,128	2,892	5,933	3,041	1,881
Hardware, not elsewhere classified.	1929	485	52,306	67,702	76,480	229,478	152,997	112,705
	1927	485	47,834	60,827	71,877	208,254	136,377	99,674
	1925	476	52,349	65,562	77,503	225,053	147,550	98,278
	1923	473	52,205	63,471	80,598	215,960	135,362	84,006
	1921	456	35,228	36,240	41,520	120,600	79,080	
Plumbers' supplies, not including pipe or vitreous-china sanitary ware.	1929	255	27,960	37,067	49,033	129,674	80,641	100,821
	1927	231	29,245	40,212	55,633	145,262	89,629	90,293
	1925	239	33,280	46,954	63,610	167,878	104,268	84,534
Safes and vaults [2]	1929	27	3,033	4,439	6,392	19,362	12,970	10,806
	1927	25	3,386	4,494	7,226	18,440	11,213	9,688
Screw-machine products and wood screws.	1929	273	19,881	28,987	39,463	105,975	66,512	64,840
	1927	218	13,690	18,056	25,910	60,020	34,110	43,468
	1925	205	14,071	18,194	25,076	59,615	34,539	42,484

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
IRON AND STEEL, ETC.—Continued								
Steam fittings and steam and hot-water heating apparatus.	1929	240	39,621	58,975	72,708	228,310	155,602	137,339
	1927	232	42,893	64,851	76,835	225,158	148,323	132,723
	1925	225	43,260	63,979	77,357	228,930	151,573	109,313
	1923	236	44,141	64,807	83,297	221,954	138,657	91,085
	1921	274	30,808	39,596	50,213	127,367	77,154	----------
Stoves and ranges (other than electric) and warm-air furnaces.	1929	609	46,616	65,147	100,747	271,747	171,000	113,100
	1927	564	45,180	64,327	93,096	258,286	165,190	100,009
	1925	564	46,514	66,299	95,873	264,303	168,430	94,126
	1923	588	49,812	68,331	102,568	268,262	165,694	87,664
	1921	512	32,451	39,308	62,217	144,285	82,068	----------
Tin cans and other tinware, not elsewhere classified.[22]	1929	232	31,497	38,173	194,987	296,901	101,915	77,332
	1927	236	29,721	35,001	169,421	253,479	84,057	64,005
	1925	221	29,901	34,392	175,779	260,360	84,581	48,728
	1923	241	30,511	32,816	135,980	215,971	79,991	41,252
	1921	244	22,711	24,595	108,748	168,305	59,557	----------
Tools and cutlery:								
Cutlery (not including silver and plated cutlery) and edge tools.	1929	239	14,991	17,651	14,789	78,661	63,872	49,886
	1927	230	15,832	18,892	18,180	76,688	58,508	43,419
	1925	211	16,407	20,226	20,562	80,263	59,701	51,673
Files	1929	33	3,974	5,240	3,053	14,114	11,062	12,091
	1927	36	3,948	5,145	3,136	12,974	9,838	10,979
	1925	38	4,209	5,393	3,518	13,541	10,023	11,534
Saws	1929	81	4,137	5,727	6,884	22,615	15,731	11,894
	1927	77	4,182	5,754	7,674	22,628	14,954	14,526
	1925	71	4,710	5,873	8,224	24,709	16,485	14,287
Tools, not including edge tools, machine tools, files, or saws.[23]	1929	534	19,305	25,808	32,111	99,462	67,352	65,965
	1927	*405*	*16,447*	*20,941*	*28,058*	*76,607*	*48,549*	*57,024*
	1927	657	25,232	34,465	37,057	117,431	80,374	85,963
	1925	663	25,340	34,294	39,023	121,263	82,240	78,686
Wire, drawn from purchased bars or rods.	1929	81	22,467	35,110	126,182	213,997	87,815	150,620
	1927	73	19,866	30,038	128,092	190,710	62,617	152,574
	1925	68	18,544	26,928	127,251	184,463	57,212	138,115
	1923	64	21,310	29,862	133,883	196,364	62,481	123,923
	1921	61	14,832	17,810	62,705	99,946	37,240	----------
Wirework, not elsewhere classified.	1929	547	22,388	27,912	68,144	146,805	78,661	48,864
	1927	512	21,697	26,439	63,093	128,536	65,443	45,858
	1925	462	19,268	23,835	59,604	115,429	55,825	35,943
NONFERROUS METALS AND THEIR PRODUCTS								
Smelting and refining, total.	1929	250	36,046	56,447	1,344,040	1,519,642	175,601	618,485
	1927	228	34,087	50,515	935,014	1,086,153	151,138	481,441
	1925	238	37,194	54,793	1,070,193	1,244,506	174,313	479,412
	1923	205	37,634	55,095	924,228	1,060,440	136,213	460,321
	1921	222	20,999	27,807	419,419	491,156	71,737	----------
Primary, total	1929	75	30,981	49,239	1,199,025	1,345,800	146,775	596,081
	1927	69	30,510	44,800	807,242	942,735	135,493	465,164
	1925	71	32,992	47,948	912,064	1,067,125	155,061	455,496
	1923	88	35,146	51,510	830,090	952,734	122,644	446,047
	1921	85	19,014	25,149	368,332	430,032	61,700	----------
Copper	1929	26	14,544	23,952	920,351	994,784	74,432	412,244
	1927	26	13,924	20,582	527,764	609,299	81,535	323,799
	1925	26	15,588	22,642	573,190	665,177	91,986	321,909
	1923	29	16,777	25,459	554,100	625,433	71,333	332,943
	1921	28	8,293	11,199	205,904	234,895	28,991	----------
Lead	1929	19	4,819	7,577	203,914	232,115	28,201	59,936
	1927	18	5,398	7,690	202,859	225,138	22,279	48,298
	1925	17	6,115	9,002	254,881	283,043	28,162	47,219
	1923	20	6,194	8,768	207,316	227,735	20,420	42,377
	1921	23	4,509	5,958	134,061	150,594	16,533	----------

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
NONFERROUS METALS AND THEIR PRODUCTS—Contd.								
Zinc	1929	30	11,618	17,710	74,760	118,901	44,141	123,901
	1927	25	11,188	16,528	76,619	108,298	31,679	93,067
	1925	28	11,289	16,305	83,992	118,906	34,913	86,368
Secondary, total	1929	175	5,065	7,208	145,015	173,842	28,827	22,404
	1927	159	3,577	5,715	127,772	143,418	15,646	16,277
	1925	167	4,202	6,845	158,130	177,381	19,251	23,916
Gold, silver, and platinum, reducing and refining, not from the ore.	1929	69	931	1,634	61,570	67,959	6,389	4,230
	1927	57	801	1,435	58,877	62,647	3,770	4,288
	1925	65	1,258	2,166	88,867	95,243	6,376	9,676
Metals other than gold, silver, or platinum, not from the ore.	1929	106	4,134	5,574	83,445	105,883	22,438	18,174
	1927	102	2,776	4,280	68,894	80,771	11,876	11,989
	1925	102	2,944	4,680	69,263	82,138	12,875	14,240
Metals and manufactures of metals, total.[1]	1929	7,272	278,695	487,019	1,121,404	2,077,416	956,012	951,732
	1927	6,533	238,580	332,670	848,199	1,590,955	742,755	744,970
	1925	6,768	239,422	327,859	878,245	1,595,045	716,800	678,128
	1923	7,296	260,164	339,984	843,410	1,576,720	733,310	710,871
	1921	7,631	191,681	229,085	466,846	916,903	450,058	
Aluminum manufactures.	1929	150	21,210	29,693	94,036	153,457	59,421	107,846
	1927	139	14,798	20,892	79,839	123,557	43,719	71,907
	1925	127	14,353	19,753	84,985	127,831	42,846	62,366
Clocks, clock movements, time-recording devices, and time stamps.	1929	56	10,401	12,482	10,675	42,166	31,491	12,451
	1927	52	9,865	11,751	10,063	38,196	28,133	9,510
	1925	45	7,945	9,238	8,920	29,379	20,459	8,614
Collapsible tubes [2]	1929	17	1,821	1,782	5,386	8,913	3,527	2,272
	1927	17	1,984	1,918	7,104	11,351	4,247	2,849
	1925	16	1,948	1,877	5,694	9,449	3,755	2,671
Watches and watch movements.	1929	8	10,738	12,981	10,456	34,370	23,914	10,146
	1927	11	12,192	15,090	5,871	32,278	26,407	9,357
	1925	13	13,915	16,557	6,178	36,254	30,076	12,348
Watch and clock materials and parts, except watchcases.	1929	17	311	287	257	931	674	197
	1927	17	415	407	315	1,309	994	210
	1925	25	501	480	376	1,363	987	219
Watchcases	1929	40	3,404	4,626	4,631	13,491	8,860	5,581
	1927	40	3,360	4,326	5,311	13,725	8,414	4,121
	1925	45	3,480	4,463	6,050	14,793	8,743	4,106
Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.	1929	2,161	28,593	43,255	112,648	222,485	109,837	53,749
	1927	1,981	24,527	38,668	98,386	191,129	92,743	35,880
	1925	2,107	24,996	37,825	84,080	175,043	90,963	35,273
	1923	2,524	28,852	42,446	93,507	188,908	95,401	34,243
	1921	3,105	25,172	36,562	75,896	148,776	72,880	
Fire extinguishers, chemical.	1929	28	740	959	4,188	8,566	4,379	1,464
	1927	26	832	1,192	4,010	8,035	4,025	1,564
	1925	26	842	1,131	4,122	8,037	3,915	1,440
Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.	1929	582	40,000	50,092	87,639	204,306	116,667	98,184
	1927	476	30,853	38,172	68,880	150,936	82,056	73,619
	1925	465	31,254	38,277	79,737	160,992	81,255	68,121
	1923	412	36,552	44,348	86,340	176,371	90,031	71,053
	1921	388	24,807	27,880	49,293	103,106	53,813	
Gas and electric fixtures; lamps, lanterns, and reflectors.	1929	614	23,580	33,269	57,918	144,966	87,047	40,209
	1927	481	21,030	29,261	55,609	127,802	72,194	31,291
	1925	517	22,334	31,072	57,771	129,698	71,928	30,038
Needles, pins, hooks and eyes, and snap fasteners.	1929	43	6,242	6,566	6,188	22,031	15,843	6,694
	1927	45	5,606	6,098	5,923	20,325	14,402	7,250
	1925	48	5,850	5,856	5,926	18,174	12,248	7,603

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
NONFERROUS METALS, ETC.—Contd.								
Nonferrous-metal alloys and products, not including aluminum products.[25]	1929	1,225	79,183	116,944	600,411	909,804	309,393	506,273
	1927	1,197	65,923	95,351	378,190	581,569	203,379	411,925
	1925	1,140	65,135	93,820	401,316	593,556	192,240	369,239
	1923	1,156	67,289	92,249	381,935	573,044	191,108	314,757
	1921	1,047	42,287	49,449	161,273	252,278	91,004	----------
Gold leaf and foil	1929	75	1,177	1,134	1,933	3,978	2,045	383
	1927	77	1,146	1,120	1,721	3,571	1,850	346
	1925	84	1,148	1,113	1,839	3,746	1,907	326
Jewelry	1929	1,536	27,922	37,980	79,805	177,387	97,582	27,402
	1927	1,367	24,116	36,766	76,915	164,865	87,950	17,070
	1925	1,468	23,837	35,177	79,886	166,816	86,931	17,296
Silversmithing and silverware.	1929	83	5,007	7,636	10,135	30,452	20,318	7,325
	1927	84	4,967	7,803	11,165	30,704	19,539	7,499
	1925	93	5,587	8,607	13,106	32,532	19,426	7,770
Plated ware	1929	96	10,728	14,942	16,751	55,430	38,679	28,899
	1927	94	11,752	16,142	20,212	56,720	36,508	27,712
	1925	90	11,290	15,236	20,071	54,330	34,259	23,914
Tin and other foils, not including gold foil.[24]	1929	7	1,710	1,856	13,548	20,955	7,406	18,642
	1927	10	1,658	2,084	15,350	20,952	5,602	18,770
	1925	10	1,670	2,124	15,648	20,611	4,963	16,041
Electroplating	1929	534	5,928	9,537	4,799	23,728	18,929	24,015
	1927	419	3,556	5,629	3,335	13,930	10,595	14,090
	1925	449	3,337	5,254	2,541	12,441	9,899	10,743
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT								
Agricultural implements.	1929	293	41,663	58,942	113,969	277,854	163,885	128,496
	1927	277	33,346	46,415	85,666	202,732	117,066	117,966
	1925	303	28,696	37,388	73,850	169,468	95,618	115,325
	1923	312	30,962	40,511	63,492	151,286	87,794	121,975
	1921	353	30,359	39,835	87,267	163,817	76,549	----------
Cash registers, and adding, calculating, and card tabulating machines.	1929	46	16,840	29,746	10,766	110,001	99,235	28,257
	1927	41	14,372	21,756	11,132	106,845	95,713	21,954
	1925	41	13,296	21,142	11,166	98,384	87,218	17,616
Electrical machinery, apparatus, and supplies.[26]	1929	1,802	328,722	456,378	971,018	2,300,916	1,329,898	893,519
	1927	1,777	241,566	336,239	645,762	1,637,307	991,545	661,168
	1925	1,739	239,921	323,835	636,692	1,540,002	903,310	589,398
	1923	1,671	234,892	305,455	548,627	1,293,002	744,375	480,268
	1921	1,333	161,204	194,242	344,070	833,985	489,915	----------
Engines, turbines, tractors, and water wheels.	1929	199	61,148	98,705	202,900	457,218	254,317	287,079
	1927	215	54,341	84,791	165,203	367,879	202,676	241,788
	1925	220	51,099	73,585	145,784	313,588	167,804	224,194
	1923	249	48,495	70,878	124,543	266,998	142,455	165,137
	1921	296	35,567	52,005	111,698	199,490	87,800	----------
Foundry and machine-shop products, not elsewhere classified.[23 27]	1929	8,605	454,441	697,509	1,038,066	2,791,462	1,753,396	1,804,886
	1927	*8,095*	*398,672*	*590,924*	*878,771*	*2,268,653*	*1,389,882*	*1,550,240*
	1927	8,380	403,939	601,023	883,652	2,291,543	1,407,891	1,561,934
	1925	8,203	403,832	600,022	894,406	2,264,376	1,369,970	1,446,458
	1923	8,531	448,777	642,431	936,231	2,337,073	1,400,842	1,234,326
	1921	9,013	321,363	412,359	653,364	1,565,527	912,163	----------
Gas machines, gas meters, and water and other liquid meters.	1929	72	6,101	8,932	15,187	40,623	25,436	11,029
	1927	58	5,915	8,792	15,591	36,715	21,124	10,427
	1925	61	5,514	7,429	13,038	34,292	21,254	7,375
Machine-tool accessories and small metal-working tools, not elsewhere classified.[29]	1929	722	26,682	51,085	26,993	144,411	117,418	64,398
Machine tools[23]	1929	280	47,391	76,410	64,284	244,578	180,294	141,778
	1927	*288*	*52,583*	*47,403*	*45,151*	*145,855*	*102,703*	*125,426*
	1927	355	35,269	52,366	46,115	159,513	113,398	131,670
	1925	329	30,831	46,711	43,826	144,202	100,376	118,819
	1923	350	33,373	47,337	40,977	137,206	96,229	109,196
	1921	348	21,307	25,252	23,978	67,729	43,751	----------
Pumps (hand and power) and pumping equipment.	1929	322	23,106	34,920	66,802	164,009	97,207	82,403
	1927	278	18,671	27,119	52,765	130,591	77,826	64,763
	1925	253	17,935	25,278	50,328	120,148	69,820	56,470

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MACHINERY, EXCEPT TRANSPORTATION EQUIPMENT—Con.								
Refrigerators, mechanical.[26]	1929	34	16,883	26,196	72,413	161,566	89,153	44,953
	1927	22	11,285	17,712	42,651	96,514	53,862	[7] 32,551
Scales and balances	1929	59	4,118	5,995	7,438	30,381	22,943	9,738
	1927	60	3,906	5,461	7,454	24,655	17,202	8,766
	1925	71	4,292	5,783	7,349	27,237	19,888	9,771
Sewing machines and attachments.[29]	1929	39	10,467	14,976	16,458	45,095	28,636	29,659
	1927	35	9,997	13,748	14,073	39,724	25,651	31,286
Textile machinery and parts.	1929	376	27,019	37,836	36,556	122,439	85,882	66,539
	1927	367	26,154	36,481	36,181	116,921	80,740	64,532
	1925	379	27,869	37,464	39,037	121,653	82,616	61,738
Typewriters and parts[30]	1929	26	16,945	22,319	7,249	61,858	54,609	23,383
	1927	26	15,603	19,398	9,936	55,319	45,383	14,653
Washing machines, wringers, driers, and ironing machines, for household use.	1929	65	8,189	12,072	40,707	82,330	41,623	26,732
	1927	75	7,789	10,950	34,528	[7] 70,244	[7] 35,716	20,697
	1925	82	7,077	9,990	32,748	69,568	36,820	18,028
Windmills and windmill towers.	1929	15	1,554	2,145	3,572	8,640	5,069	4,491
	1927	16	1,355	1,882	3,234	7,514	4,281	3,608
	1925	15	1,391	1,830	3,376	7,984	4,608	3,378
TRANSPORTATION EQUIPMENT								
Motor vehicles, not including motor cycles.	1929	244	226,116	366,579	2,401,512	3,722,793	1,321,282	713,912
	1927	264	187,910	321,664	1,889,426	2,848,443	959,017	725,674
	1925	297	197,728	341,210	2,108,192	3,198,123	1,089,931	509,758
	1923	351	241,356	406,730	2,147,463	3,163,328	1,015,865	435,545
	1921	385	143,658	221,974	1,107,062	1,671,387	564,325	
Motor-vehicle bodies and motor-vehicle parts.	1929	1,154	221,332	366,503	856,986	1,537,930	680,944	824,705
	1927	1,213	181,489	291,291	641,307	1,151,426	510,120	551,639
	1925	1,358	228,382	372,721	862,721	1,523,280	660,558	662,255
	1923	2,120	163,530	253,147	564,107	1,013,113	449,005	425,088
	1921	1,974	69,119	96,779	213,965	408,017	194,052	
Motorcycles, bicycles, and parts.	1929	21	4,392	6,264	11,281	23,895	12,613	11,124
	1927	29	3,897	5,442	10,174	21,454	11,280	10,753
	1925	36	4,193	5,662	12,177	24,258	12,081	12,609
Carriages, wagons, sleighs, and sleds.	1929	88	2,873	3,418	8,458	16,450	7,992	14,899
	1927	117	3,387	4,212	10,648	19,422	8,774	18,207
	1925	152	4,833	5,792	12,860	24,935	12,075	20,449
Carriage, wagon, sleigh, and sled materials.	1929	45	681	565	1,482	2,792	1,310	4,760
	1927	44	764	665	1,555	3,041	1,486	5,213
	1925	81	1,389	1,216	2,659	5,118	2,459	8,689
Carriages, and sleds, children's.	1929	79	7,102	8,313	13,515	28,818	15,303	10,895
	1927	89	7,030	7,814	13,895	28,668	14,773	10,309
	1925	86	6,926	7,923	13,553	30,174	16,620	9,853
Aircraft and parts	1929	132	14,710	21,924	27,368	71,153	43,785	16,505
	1927	70	4,422	6,857	7,517	21,162	13,645	6,031
	1925	44	2,701	4,222	2,870	12,525	9,655	3,735
Locomotives, not made in railroad repair shops.	1929	16	11,045	17,994	52,808	83,858	31,050	98,482
	1927	17	12,961	17,648	45,688	76,719	31,031	148,971
	1925	18	12,809	18,219	41,717	65,389	23,672	114,209
Cars, electric and steam railroad, not built in railroad repair shops.	1929	147	40,015	63,387	223,889	328,220	104,331	238,455
	1927	135	38,031	60,625	209,113	312,509	103,396	236,415
	1925	141	50,393	77,247	266,054	390,771	124,718	243,934
	1923	139	80,590	129,178	413,660	604,351	190,690	250,102
	1921	118	48,033	70,945	211,938	340,536	128,598	
Ship and boat building, steel and wooden, including repair work.	1929	624	55,089	88,274	85,849	231,300	145,451	337,455
	1927	559	55,014	87,081	78,626	211,127	132,501	314,474
	1925	565	50,224	74,275	66,299	177,182	110,883	303,470
	1923	567	62,287	90,720	84,558	213,232	128,675	317,712
	1921	640	106,445	155,943	169,368	400,834	231,466	

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Federal Reserve Bank of St. Louis

No. 754. MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
RAILROAD REPAIR SHOPS								
Car and general construction and repairs, steam-railroad repair shops.	1929	1,851	368,681	590,203	515,562	1,184,435	668,873	1,076,723
	1927	1,794	397,088	600,517	515,070	1,205,191	690,120	1,037,464
	1925	1,842	425,234	619,834	533,908	1,248,867	714,959	934,839
	1923	1,801	488,505	723,742	599,377	1,433,680	834,303	735,635
	1921	1,766	385,006	624,182	473,011	1,180,030	707,019	
Car and general construction and repairs, electric-railroad repair shops.	1929	446	29,475	47,109	32,781	85,482	52,700	76,424
	1927	515	31,584	48,392	30,421	84,504	54,083	73,357
	1925	521	32,521	48,357	29,738	83,812	54,074	70,479
MISCELLANEOUS INDUSTRIES								
Musical instruments and phonographs, total.	1929	375	33,041	43,608	67,353	176,830	109,477	87,575
	1927	431	42,985	60,761	90,159	226,362	136,203	102,105
	1925	461	46,980	62,502	98,760	231,687	132,926	97,318
Musical instruments and parts and materials, not elsewhere classified.	1929	106	3,176	4,581	3,825	14,274	10,449	6,060
	1927	99	4,018	5,737	4,641	17,892	13,251	5,356
	1925	100	4,556	6,520	5,575	20,329	14,754	4,907
Organs	1929	62	2,389	3,604	3,091	11,323	8,232	4,740
	1927	63	2,770	4,364	4,494	15,439	10,944	4,332
	1925	57	2,460	3,610	3,749	12,283	8,534	3,983
Pianos	1929	81	9,970	14,001	18,866	42,501	23,635	27,193
	1927	124	16,582	23,891	33,899	75,491	41,592	29,725
	1925	142	20,079	28,096	49,296	101,181	51,885	26,912
Piano and organ parts and materials.	1929	67	3,090	3,597	4,248	11,883	7,635	11,099
	1927	85	5,399	6,594	9,657	22,245	12,587	14,185
	1925	94	8,618	10,131	15,294	36,836	21,543	15,734
Phonographs	1929	59	14,416	17,826	37,323	96,849	59,526	38,483
	1927	60	14,216	20,176	37,468	95,296	57,828	48,507
	1925	68	11,267	14,145	24,847	61,057	36,210	45,782
Tobacco manufactures, total.	1929	1,788	116,119	94,579	429,272	1,246,242	816,969	64,984
	1927	2,156	129,299	105,251	420,667	1,163,768	743,102	52,385
	1925	2,623	132,132	111,558	425,769	1,091,001	665,232	42,075
	1923	3,672	146,337	120,462	515,865	1,044,192	528,327	43,515
	1921	4,372	149,985	120,903	608,688	1,048,490	439,801	
Tobacco: Chewing and smoking, and snuff.	1929	152	10,811	8,955	72,494	179,333	106,839	15,467
	1927	159	13,125	10,661	85,310	198,245	112,934	16,566
	1925	178	15,024	12,185	94,419	216,186	121,768	17,541
Cigars and cigarettes	1929	1,636	105,308	85,623	356,778	1,066,909	710,131	49,517
	1927	1,997	116,174	94,589	335,356	965,524	630,168	35,819
	1925	2,445	117,108	99,373	331,351	874,815	543,464	24,534
	1923	3,466	130,036	107,723	369,491	821,227	451,735	24,894
	1921	4,146	133,357	108,161	452,212	806,749	354,537	
Other industries, total.[1]	1929	12,457	268,307	362,395	862,735	2,003,247	1,140,512	511,812
	1927	11,733	268,172	363,664	867,335	1,926,960	1,059,624	683,190
	1925	11,132	260,391	334,690	827,080	1,802,631	975,551	593,166
	1923	11,232	270,815	332,528	790,071	1,676,873	886,803	567,767
	1921	10,790	223,123	266,703	611,931	1,296,480	684,549	
Artificial and preserved flowers and plants.	1929	191	3,216	3,218	5,527	14,425	8,898	625
	1927	190	4,715	5,050	7,889	19,576	11,688	541
	1925	187	4,305	4,287	7,265	17,824	10,559	737
Artists' materials	1929	68	1,167	1,429	4,155	9,460	5,304	3,397
	1927	61	1,211	1,430	3,772	8,205	4,433	3,250
	1925	62	1,317	1,568	3,802	8,321	4,518	2,982

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Brooms	1929	407	4,542	4,169	9,648	19,166	9,519	4,672
	1927	394	4,450	4,275	9,176	18,445	9,269	4,401
	1925	421	4,725	4,654	11,213	21,714	10,501	5,399
Brushes, other than rubber.	1929	303	7,261	7,963	21,688	45,549	23,861	11,915
	1927	302	7,673	8,244	22,553	47,844	25,291	12,093
	1925	302	7,836	8,452	22,021	45,824	23,803	11,220
Buttons	1929	242	9,034	8,814	11,501	28,978	17,477	14,615
	1927	229	9,642	9,436	11,238	29,130	17,893	15,899
	1925	289	11,513	10,893	12,373	32,458	20,085	15,840
Carbon paper and inked ribbons.[30]	1929	57	1,251	1,702	7,991	17,295	9,304	3,642
	1927	49	1,078	1,514	6,020	13,793	7,773	3,267
Combs and hairpins, not made from metal or rubber.	1929	24	656	641	1,007	2,482	1,476	1,015
	1927	36	1,259	1,249	1,873	4,437	2,564	1,591
	1925	44	1,300	1,293	2,334	5,270	2,936	1,892
Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.	1929	172	5,450	6,925	16,371	42,247	25,876	13,672
	1927	152	5,091	6,374	15,686	36,824	21,137	13,576
	1925	180	4,844	5,864	15,421	37,263	21,842	14,719
Dental goods and equipment.[2]	1929	87	4,559	5,359	17,327	35,180	17,853	6,216
	1927	97	3,759	3,941	18,189	32,349	14,160	3,792
Fancy and miscellaneous articles, not elsewhere classified.	1929	814	18,722	19,041	35,140	85,389	50,249	11,071
	1927	595	16,965	18,307	34,674	83,006	48,333	10,802
	1925	532	14,552	14,960	29,155	69,769	40,614	9,071
Feathers, plumes, and manufactures thereof.	1929	39	257	310	386	1,141	755	100
	1927	38	322	397	534	1,438	904	103
	1925	70	888	976	1,881	4,179	2,298	334
Foundry supplies	1929	59	853	1,256	5,535	10,459	4,924	9,396
	1927	65	941	1,200	6,539	11,635	5,096	11,133
	1925	66	1,087	1,360	6,904	12,723	5,819	10,733
Fur goods	1929	2,855	15,752	33,330	176,107	277,593	101,486	5,511
	1927	2,756	16,640	37,671	195,323	299,615	104,292	5,655
	1925	2,000	16,556	35,164	159,316	254,266	94,950	4,985
	1923	1,758	14,439	27,923	126,162	198,043	71,881	4,299
	1921	1,707	12,052	22,421	84,537	139,366	54,829	
Furs, dressed	1929	248	5,167	8,596	18,649	40,237	21,588	10,769
	1927	172	5,540	10,361	7,072	27,681	20,609	12,467
	1925	133	5,056	8,206	7,296	25,423	18,126	9,858
Hair work	1929	59	359	432	538	1,694	1,155	44
	1927	69	515	598	830	2,279	1,449	21
	1925	85	864	975	3,046	6,090	3,043	13
Hand stamps and stencils and brands.	1929	332	2,971	4,081	3,811	15,036	11,225	3,596
	1927	293	2,668	3,842	3,734	14,156	10,422	3,159
	1925	323	2,930	4,015	4,070	15,321	11,250	3,658
Hats, straw, men's[2]	1929	50	3,380	3,688	8,705	18,739	10,034	1,836
	1927	48	3,263	4,232	11,783	21,718	9,935	1,554
Instruments, professional and scientific.	1929	276	16,876	22,682	28,411	89,746	61,335	22,816
	1927	280	16,414	22,289	28,880	87,783	58,903	25,587
	1925	233	12,129	16,166	20,428	76,339	55,911	17,595
Ivory, shell, and bone work, not including buttons, combs, or hairpins.	1929	21	391	425	517	1,260	743	642
	1927	22	294	330	328	911	583	599
	1925	29	488	555	728	1,879	1,152	892
Jewelry and instrument cases.	1929	113	2,269	2,473	3,324	8,827	5,502	1,503
	1927	107	2,406	2,597	3,294	8,810	5,516	1,440
	1925	125	2,748	2,750	3,833	10,114	6,281	2,460
Lapidary work	1929	100	506	1,002	8,235	11,942	3,708	474
	1927	92	547	1,221	9,133	12,352	3,218	513
	1925	83	589	1,285	7,273	10,123	2,850	515

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Mattresses and bed springs, not elsewhere classified.	1929	951	17,187	22,584	61,527	123,280	61,753	50,554
	1927	838	13,481	16,887	52,182	98,835	46,652	32,937
	1925	1,018	14,403	17,430	62,489	110,717	48,228	32,840
Models and patterns, not including paper patterns.	1929	804	6,778	13,234	5,314	30,621	25,307	12,378
	1927	693	5,584	10,545	4,659	23,495	18,836	11,465
	1925	689	5,262	9,420	4,927	22,485	17,557	10,473
Motion pictures, not including projection in theaters.	1929	142	10,784	24,860	38,441	184,102	145,661	49,732
	1927	142	8,415	18,637	34,867	134,343	99,476	32,160
	1925	132	5,573	13,066	33,258	93,636	60,378	29,472
Optical goods [2]	1929	117	9,701	12,634	11,859	40,562	28,703	15,626
	1927	96	7,596	9,561	8,865	32,757	23,892	12,401
	1925	117	8,642	10,439	9,997	33,655	23,658	11,017
Paving materials: Asphalt tar, crushed slag, and mixtures. [2]	1929	126	2,375	3,731	13,589	29,275	15,687	30,393
Pencils, lead (including mechanical).	1929	38	5,703	6,292	10,756	27,773	17,017	9,921
	1927	27	5,301	5,943	9,931	24,500	14,568	9,832
	1925	25	5,636	6,031	9,169	25,051	15,882	8,209
Pens, fountain and stylographic; pen points, gold, steel, and brass. [1]	1929	76	4,600	5,304	11,459	34,211	22,752	4,235
	1927	68	4,031	4,735	10,375	25,645	15,270	3,721
	1925	78	4,203	4,853	8,595	26,596	18,001	3,607
Photographic apparatus and materials.	1929	115	12,967	20,507	30,393	102,827	72,435	31,904
	1927	122	12,120	18,311	29,020	90,828	61,809	24,838
	1925	118	9,154	13,300	25,779	78,654	52,874	22,866
Pipes (tobacco)	1929	24	1,680	1,961	1,749	5,558	3,808	2,276
	1927	23	1,807	2,279	2,723	7,274	4,551	1,928
	1925	28	1,970	2,291	2,718	7,299	4,581	2,052
Roofing, built-up and roll; asphalt shingles; roof coatings, other than paint.	1929	102	6,027	8,952	61,392	103,506	42,115	33,791
	1927	100	7,255	10,713	67,328	123,210	55,883	41,740
	1925	140	8,310	12,145	78,597	123,591	44,994	34,161
Sandpaper, emery paper, and other abrasive paper and cloth.	1929	11	1,228	1,740	8,375	17,219	8,843	6,927
	1927	10	917	1,228	5,471	12,232	6,761	2,834
	1925	12	1,230	1,714	7,342	15,623	8,281	4,513
Signs and advertising novelties.	1929	1,239	20,000	27,901	35,701	118,044	82,343	19,627
	1927	813	16,907	24,044	30,892	98,481	67,589	15,325
	1925	759	15,128	20,764	25,858	89,669	63,811	12,550
Soda-water apparatus	1929	54	2,764	3,922	10,490	24,510	14,020	5,271
	1927	48	2,838	4,223	10,391	23,929	13,538	5,042
	1925	60	2,372	3,628	8,632	22,032	13,400	4,180
Sporting and athletic goods, not incl. firearms or ammunition.	1929	242	10,793	13,135	24,482	58,289	33,806	18,039
	1927	188	9,689	11,595	19,394	44,943	25,549	13,484
	1925	181	8,724	10,262	17,875	42,629	24,755	11,550
Stationery goods, not elsewhere classified.	1929	203	11,078	12,430	32,178	74,062	41,884	11,523
	1927	194	8,987	9,792	27,016	56,987	29,971	8,891
	1925	217	11,399	12,076	31,108	67,809	36,701	10,970
Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.	1929	171	7,266	9,660	21,596	45,433	23,837	30,881
	1927	159	5,946	7,905	19,794	43,045	23,250	29,810
	1925	172	6,086	8,072	20,372	43,871	23,499	25,579
Surgical and orthopedic appliances, including artificial limbs. [1]	1929	363	7,910	8,922	36,005	71,607	35,602	13,407
	1927	335	7,310	8,371	30,764	60,623	29,860	9,662
	1925	303	6,450	6,837	26,814	58,286	31,472	12,527
Theatrical scenery and stage equipment.	1929	55	547	992	2,098	5,508	3,409	618
	1927	39	561	1,380	2,330	5,745	3,415	998
	1925	33	391	854	1,520	3,578	2,058	413
Toys (not including children's wheelgoods or sleds), games, and playground equipment.	1929	476	16,660	17,661	29,982	74,829	44,847	25,642
	1927	397	14,738	15,543	25,805	63,956	38,150	19,028
	1925	352	13,557	13,785	22,179	55,734	33,554	19,038

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No. 754.—MANUFACTURES: SUMMARY FOR INDIVIDUAL INDUSTRIES—Continued

Industry	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
MISCELLANEOUS INDUSTRIES—Contd.								
Umbrellas, parasols, and canes.	1929	141	2,855	2,768	10,907	17,994	7,087	3,069
	1927	164	3,308	3,411	14,021	23,156	9,135	2,411
	1925	176	3,731	3,696	16,594	27,299	10,705	3,027
Whips	1929	8	57	48	80	224	144	82
	1927	7	90	89	176	310	135	252
	1925	9	103	73	132	308	176	158
Window shades and fixtures.	1929	482	4,708	5,624	19,785	36,965	17,179	8,389
	1927	386	4,733	5,856	21,065	37,082	16,016	8,679
	1925	336	5,176	6,208	25,030	41,658	16,628	11,151

[1] Because of a change in classification of some of the industries included in this group for 1929 the figures for previous years have been revised to preserve comparability.

[2] Because of a change in classification no comparable statistics can be shown for earlier years.

[3] No data were compiled for 1925 except for San Francisco, Calif.

[4] For 1927 and 1929, included in "Peanuts, walnuts, and other nuts, processed."

[5] Prior to 1927 part of the establishments now in this industry were classified in the "Food preparations, not elsewhere classified," industry and part in the "Peanuts, grading, roasting, cleaning, and shelling" industry, which has been abandoned.

[6] Figures include cereal beverages ("near beer" and similar soft drinks).

[7] Revised; revision not carried into total.

[8] Data for work clothing were not tabulated separately prior to 1923; therefore, no comparable statistics can be given for earlier years for "Clothing, except work, etc."

[9] "Handkerchiefs," "Embroideries," "Trimmings," and "Millinery" were first treated as separate industries at the census for 1927. For prior censuses data for "Handkerchiefs" were included in part in "Furnishing goods, men's," and in part in "Millinery and lace goods"; data for "Embroideries," "Trimmings," and "Millinery" were included in "Millinery and lace goods" industry, which was abandoned at the census for 1927. No comparable figures can be given for earlier years.

[10] Figures for 1927 revised by the inclusion of sewing-machine cases. The figures for 1925 and earlier years therefore are not strictly comparable with those for 1927 and 1929. (See also footnote 11.)

[11] Includes data for "Hammocks," treated as a separate industry prior to 1927; also includes, for 1927 and 1929, data for sewing-machine cases, formerly a part of the "Sewing machines, cases, and attachments" industry.

[12] The separation of the industry "Paper and pulp" into the "Paper" and "Pulp (wood and other fiber)" industries in 1927 resulted in a duplication in the statistics as combined. The figures for 1927 are therefore not strictly comparable with those for 1925 and earlier years.

[13] Combined total for paper and pulp.

[14] Not reported separately; included with paper.

[15] Includes "Compressed and liquefied gases" prior to 1927 and also includes "Rayon" prior to 1925.

[16] Included with "Chemicals, not elsewhere classified," prior to 1927.

[17] Includes for all years "Belting and hose, rubber," prior to 1923 treated as a separate industry.

[18] Not reported separately; included with "Steel works and rolling mills."

[19] Combined figure for "Blast furnaces" and "Steel works and rolling mills."

[20] Similar products are manufactured to a large extent by plants operated in connection with steel works and rolling mills. The figures here given refer only to establishments engaged primarily in the manufacture of the specified classes of products.

[21] Includes statistics for "Horseshoes, not made in rolling mills," abandoned as a separate industry.

[22] "Tin plate and terneplate" are treated as products of the "Iron and steel, steel works, and rolling mills" industry.

[23] Because of the establishment for 1929 of the new industry classification "Machine-tool accessories and small metal-working tools," certain establishments, formerly classified in this industry were, for 1929, classified in the new industry. For this reason the statistics for 1929 are not comparable with those for earlier years. The figures in italics for 1927 have been adjusted for comparison with 1929.

[24] Formerly part of the classification "Tin and other foils, not including gold and silver; collapsible tubes" which has been separated into "Tin and other foils, not including gold foil," and "Collapsible tubes."

[25] Formerly reported as three industries: "Babbitt metal, white metal, type metal, and solder," "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not elsewhere classified," and "Lead: Bar, pipe, and sheet."

[26] Refrigerators, mechanical, for censuses prior to 1927 included in "Electrical machinery, apparatus, and supplies" and "Foundry and machine-shop products."

[27] "Foundry and machine-shop products, not elsewhere classified," includes "Metal-working machinery, other than machine tools, shown separately for 1925 and 1927. (See also footnote 26.)

[28] For prior years included in data for "Foundry and machine-shop products, not elsewhere classified," "Machine tools," and "Tools, not including edge tools, machine tools, files, or saws."

[29] Sewing-machine cases, formerly considered a product of this industry, at the census for 1929 were included in the "Furniture, including store and office fixtures" industry (forest products group). The figures for "Sewing machines and attachments" for 1927 have been adjusted by omission of the data for sewing machine cases, but those for prior years can not be so adjusted.

[30] Typewriters and parts, prior to the census for 1929, covered typewriter supplies, but for 1929 a new industry classification "Carbon paper and inked ribbons" (miscellaneous industries group) was established. The figures for 1927 have been adjusted by the omission of data for "Carbon paper and inked ribbons," but no adjustment for earlier years can be made.

Source: Bureau of the Census, Department of Commerce.

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No. 755.—MANUFACTURES IN CITIES HAVING

NOTE.—**All figures except number of wage earners in thousands of dollars.** Data for the "Coffee and spice city for which these statistics were compiled. Data for the "Poultry killing and dressing, wholesale" note, p. 730

City and State	Wage earners (average for the year)				Wages			
	1923	1925	1927	1929	1923	1925	1927	1929
Akron, Ohio	44,903	52,546	53,008	59,983	71,284	80,476	85,731	96,623
Albany, N. Y	10,542	9,609	9,378	8,097	13,823	12,383	13,030	11,493
Atlanta, Ga	16,005	18,208	18,583	18,509	16,116	17,643	17,674	18,211
Baltimore, Md	90,232	85,797	84,005	85,655	93,697	93,612	93,404	96,384
Birmingham, Ala	14,817	16,054	16,611	17,893	16,595	18,120	18,966	21,079
Boston, Mass	82,978	77,334	77,149	75,907	107,875	103,812	104,716	105,794
Bridgeport, Conn	33,207	28,763	28,415	30,671	37,882	34,904	36,615	39,452
Buffalo, N. Y	70,092	66,015	63,615	68,854	96,573	96,000	95,126	100,578
Cambridge, Mass	25,674	21,945	20,929	21,328	30,999	27,409	26,334	27,439
Camden, N. J	27,842	22,700	26,712	28,879	33,413	29,175	35,792	35,517
Canton, Ohio	15,727	15,362	14,865	18,334	25,625	24,267	23,565	31,870
Chattanooga, Tenn	(1)	15,835	14,354	17,362	(1)	15,315	14,463	17,138
Chicago, Ill	385,685	370,041	372,061	405,399	571,725	563,635	576,159	626,466
Cincinnati, Ohio	65,695	63,715	62,493	63,986	78,760	80,996	79,701	85,442
Cleveland, Ohio	141,648	132,852	131,146	146,881	205,388	201,378	201,092	229,160
Columbus, Ohio	27,618	24,590	24,228	26,565	37,236	33,272	32,482	36,941
Dallas, Tex	8,143	9,412	9,459	12,048	9,420	11,104	10,471	13,630
Dayton, Ohio	29,665	29,341	30,218	40,842	41,779	43,665	44,392	62,532
Denver, Colo	15,629	15,077	15,054	16,239	19,942	19,971	19,458	20,911
Des Moines, Iowa	9,558	8,007	7,253	8,813	12,665	11,456	9,592	11,474
Detroit, Mich	171,025	172,742	189,649	219,551	282,741	293,896	318,096	386,692
Duluth, Minn	7,118	6,545	6,024	6,633	9,598	8,607	8,283	9,136
Elizabeth, N. J	17,340	17,354	16,668	15,714	24,063	24,763	23,913	22,923
El Paso, Tex	3,753	4,144	4,554	5,160	4,458	4,637	4,750	5,454
Erie, Pa	15,047	13,885	13,792	15,384	21,342	20,392	20,363	23,415
Evansville, Ind	(1)	12,603	12,891	13,981	(1)	12,956	13,876	14,859
Fall River, Mass	37,018	30,596	31,489	26,143	35,509	28,241	29,342	23,255
Flint, Mich	28,909	25,024	38,547	(2)	48,743	42,842	68,188	(2)
Fort Wayne, Ind	(1)	16,659	15,848	21,311	(1)	20,862	21,228	29,850
Fort Worth, Tex	6,249	6,968	7,419	6,461	7,558	8,492	9,079	8,274
Gary, Ind	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Grand Rapids, Mich	24,033	25,479	24,449	28,084	32,669	36,294	35,420	40,476
Hartford, Conn	23,611	21,758	22,038	27,744	30,354	29,858	29,930	36,021
Houston, Tex	9,242	9,007	12,044	16,264	11,851	10,805	14,909	20,301
Indianapolis, Ind	45,818	41,805	42,136	47,603	54,364	51,394	54,969	62,332
Jacksonville, Fla	4,143	5,479	5,919	6,240	3,923	6,424	5,601	7,161
Jersey City, N. J	33,264	30,607	24,732	25,822	44,736	42,496	36,340	37,984
Kansas City, Kans	16,264	14,137	13,509	13,187	19,460	17,575	18,397	18,233
Kansas City, Mo	22,956	25,576	25,486	29,902	29,118	32,884	32,147	38,400
Knoxville, Tenn	(1)	14,642	14,971	15,558	(1)	12,607	12,989	14,290
Long Beach, Calif	(1)	1,712	2,046	2,566	(1)	2,381	2,894	3,738
Los Angeles, Calif	55,467	58,026	66,608	76,023	81,468	85,736	99,845	112,454
Louisville, Ky	37,620	37,672	34,366	35,835	42,145	43,355	39,822	41,072
Lowell, Mass	27,162	21,570	18,787	17,097	28,256	21,179	18,886	17,100
Lynn, Mass	22,506	18,938	20,763	20,520	29,108	26,259	28,517	28,572
Memphis, Tenn	10,508	9,988	9,435	15,921	10,836	11,319	10,130	16,712
Miami, Fla	(1)	2,179	1,196	1,905	(1)	4,126	2,053	2,614
Milwaukee, Wis	74,590	77,432	86,550	94,873	93,424	105,123	120,806	136,775
Minneapolis, Minn	33,462	31,730	34,065	35,704	41,163	40,311	43,057	45,749
Nashville, Tenn	11,685	10,549	12,975	14,179	10,735	9,691	12,776	14,534
Newark, N. J	70,066	66,854	62,727	66,647	89,465	89,640	89,568	94,544
New Bedford, Mass	37,917	35,696	35,084	32,113	41,146	37,100	36,389	31,805
New Haven, Conn	26,108	22,863	25,096	27,974	30,648	28,464	31,136	31,162
New Orleans, La	21,575	22,118	22,289	22,592	18,737	20,291	21,645	21,120
New York, N. Y	579,005	538,845	552,507	563,249	851,186	844,648	904,646	912,275
Norfolk, Va	5,083	5,429	4,556	6,633	5,875	5,990	5,257	7,768
Oakland, Calif	15,027	15,537	15,867	19,096	21,096	21,654	23,174	26,130
Oklahoma City, Okla	(1)	3,544	3,216	6,312	(1)	4,716	4,333	8,541
Omaha, Nebr	18,142	15,463	14,780	16,108	23,195	21,048	19,644	21,357
Paterson, N. J	33,247	33,779	32,354	32,686	41,277	45,003	45,826	44,030
Peoria, Ill	(1)	5,284	7,012	6,738	(1)	6,423	9,219	8,372
Philadelphia, Pa	274,319	246,680	243,608	246,908	356,438	332,415	334,811	338,910
Pittsburgh, Pa	76,665	65,414	61,892	61,503	110,466	94,458	89,039	90,955
Portland, Oreg	21,534	20,077	20,318	21,380	28,244	26,736	27,214	28,472

[1] Data not available for 1923.

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IN 1930, 100,000 OR MORE INHABITANTS

roasting and grinding" industry are not included in the figures for 1925, except for San Francisco, the only industry are not included in the figures for 1927, as no data were collected for that year. See also general

Value of products				Value added by manufacture [1]			City and State
1923	1925	1927	1929	1925	1927	1929	
406,837	565,391	567,482	544,644	234,796	252,035	253,363	Akron, Ohio.
53,026	52,178	58,185	52,600	26,972	30,533	29,284	Albany, N. Y.
122,284	131,237	115,830	136,510	59,193	51,488	64,344	Atlanta, Ga.
654,766	678,947	692,575	814,782	250,384	266,655	292,843	Baltimore, Md.
89,423	100,204	109,039	133,431	46,518	48,791	60,328	Birmingham, Ala.
583,600	585,992	617,973	603,711	295,722	309,688	319,613	Boston, Mass.
148,856	149,098	158,697	176,647	80,562	87,360	95,620	Bridgeport, Conn.
590,692	675,436	649,302	720,201	244,903	246,696	280,173	Buffalo, N. Y.
185,524	165,833	155,477	183,610	89,182	90,749	96,896	Cambridge, Mass.
180,766	164,051	196,860	230,979	81,703	99,146	119,176	Camden, N. J.
114,791	125,831	119,148	153,989	57,971	59,282	81,341	Canton, Ohio.
(1)	81,009	74,971	101,061	34,529	32,186	46,038	Chattanooga, Tenn.
3,323,341	3,439,163	3,478,754	3,915,053	1,557,016	1,588,906	1,814,117	Chicago, Ill.
434,176	457,539	437,954	497,552	216,410	216,342	253,942	Cincinnati, Ohio.
1,096,503	1,094,780	1,040,754	1,245,434	494,888	484,236	617,507	Cleveland, Ohio.
186,843	178,289	169,068	212,256	80,612	82,211	101,810	Columbus, Ohio.
92,189	112,158	98,009	142,512	42,961	37,511	58,868	Dallas, Tex.
187,934	206,104	235,166	317,773	122,839	144,537	206,014	Dayton, Ohio.
120,790	125,763	116,748	144,614	53,232	48,068	61,434	Denver, Colo.
102,919	83,624	76,108	98,906	40,218	35,558	47,007	Des Moines, Iowa.
1,438,247	1,599,340	1,736,933	2,014,166	693,169	778,423	942,694	Detroit, Mich.
67,316	54,019	54,860	58,904	20,932	21,705	24,508	Duluth, Minn.
114,251	116,245	120,643	122,752	45,060	46,671	56,626	Elizabeth, N. J.
16,113	20,399	20,848	24,605	8,807	9,401	10,767	El Paso, Tex.
87,158	84,248	91,031	103,980	45,987	45,717	56,243	Erie, Pa.
(1)	67,470	86,362	90,866	30,944	39,797	41,633	Evansville, Ind.
172,396	134,495	120,324	103,794	47,790	49,638	43,052	Fall River, Mass.
422,171	422,644	600,356	(2)	203,468	269,811	(2)	Flint, Mich.
(1)	93,640	95,366	121,567	50,356	50,688	61,556	Fort Wayne, Ind.
75,163	100,329	109,637	113,614	24,496	26,890	27,694	Fort Worth, Tex.
(2)	(2)	(2)	(2)	(2)	(2)	(2)	Gary, Ind.
130,278	145,706	135,254	156,554	81,742	80,576	87,920	Grand Rapids, Mich.
101,894	109,678	111,089	137,226	64,248	69,953	93,282	Hartford, Conn.
89,134	87,445	102,154	145,050	36,573	41,952	65,278	Houston, Tex.
346,858	344,925	345,815	408,336	141,486	145,715	180,442	Indianapolis, Ind.
28,115	49,315	40,079	55,108	21,787	18,777	24,598	Jacksonville, Fla.
313,999	340,735	270,842	311,987	139,235	111,347	147,944	Jersey City, N. J.
262,447	288,545	296,646	311,236	48,913	51,266	55,486	Kansas City, Kans.
196,674	221,349	222,136	341,372	93,833	95,572	145,362	Kansas City, Mo.
(1)	62,938	61,668	66,778	27,157	27,759	31,333	Knoxville, Tenn.
(1)	25,863	39,919	54,677	10,860	13,423	22,900	Long Beach, Calif.
417,654	531,827	610,539	757,702	256,337	304,636	382,465	Los Angeles, Calif.
240,538	263,693	242,696	270,926	113,870	108,770	130,391	Louisville, Ky.
100,998	81,136	69,171	69,593	37,574	35,104	34,492	Lowell, Mass.
95,953	97,143	106,864	119,829	62,459	64,309	71,829	Lynn, Mass.
95,537	108,877	91,670	169,702	40,210	34,147	70,345	Memphis, Tenn.
(1)	22,208	10,250	12,397	15,274	6,961	8,452	Miami, Fla.
514,591	541,912	627,416	700,760	250,025	296,505	339,708	Milwaukee, Wis.
338,329	338,824	348,417	361,072	117,440	130,731	148,025	Minneapolis, Minn.
83,042	79,331	94,435	111,122	31,957	40,245	45,269	Nashville, Tenn.
448,172	490,047	482,739	502,508	238,120	244,635	258,084	Newark, N. J.
149,999	143,551	125,542	121,696	63,471	60,656	59,569	New Bedford, Mass.
113,925	110,506	124,034	130,585	64,603	70,115	76,769	New Haven, Conn.
135,184	155,106	151,893	148,388	61,845	61,747	65,652	New Orleans, La.
5,349,077	5,324,414	5,722,071	5,984,255	2,605,621	2,868,237	3,037,125	New York, N. Y.
29,232	35,455	29,127	57,886	15,551	14,092	26,364	Norfolk, Va.
122,492	144,841	159,003	206,659	60,741	64,362	91,574	Oakland, Calif.
(1)	51,028	37,323	104,424	18,617	15,736	36,625	Oklahoma City, Okla.
315,971	339,004	307,472	352,835	59,786	58,005	73,915	Omaha, Nebr.
194,858	200,977	207,470	197,651	94,626	105,426	99,650	Paterson, N. J.
(1)	48,138	66,238	67,266	19,377	28,357	30,539	Peoria, Ill.
1,998,750	1,937,415	1,861,502	2,003,711	887,935	880,726	978,081	Philadelphia, Pa.
610,189	518,964	508,529	544,785	224,582	220,292	253,815	Pittsburgh, Pa.
154,415	150,521	146,974	169,821	65,359	63,869	77,403	Portland, Oreg.

[1] Data can not be shown without disclosing the operations of individual establishments.

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No. 755.—Manufactures in Cities Having in 1930, 100,000 or more Inhabitants—Continued

[All figures except number of wage earners in thousands of dollars]

City and State	Wage earners (average for the year)				Wages			
	1923	1925	1927	1929	1923	1925	1927	1929
Providence, R. I.	45,495	41,207	42,735	48,322	52,970	49,710	50,818	56,852
Reading, Pa.	28,712	27,247	26,383	25,970	34,775	32,748	31,712	31,752
Richmond, Va.	18,833	18,137	19,351	17,491	18,995	17,961	19,084	18,002
Rochester, N. Y.	58,649	52,589	56,685	58,448	77,646	73,406	80,316	82,416
St. Louis, Mo.	113,253	105,022	109,428	109,010	135,468	130,857	134,915	134,881
St. Paul, Minn.	22,841	23,664	21,449	23,489	29,108	30,701	28,163	31,050
Salt Lake City, Utah	6,224	4,898	4,709	5,655	7,509	5,876	5,965	7,311
San Antonio, Tex.	5,581	5,440	6,363	8,692	5,335	5,367	6,385	8,271
San Diego, Calif.	2,707	3,177	3,950	3,836	3,472	4,270	5,024	5,230
San Francisco, Calif.	43,638	41,720	41,909	45,482	61,376	6,040	61,134	67,912
Scranton, Pa.	13,093	12,578	11,115	11,677	13,537	13,697	12,311	12,378
Seattle, Wash.	17,842	19,220	20,601	23,003	25,323	27,610	29,623	33,348
Somerville, Mass.	(1)	5,594	5,631	6,043	(1)	7,144	7,385	8,513
South Bend, Ind.	(1)	22,054	20,758	25,726	(1)	32,377	29,693	36,116
Spokane, Wash.	4,580	6,098	5,678	5,252	5,973	7,981	7,617	6,636
Springfield, Mass.	19,089	17,693	16,782	17,414	23,965	23,189	22,012	23,741
Syracuse, N. Y.	23,921	23,086	22,562	26,486	31,631	31,118	32,196	39,152
Tacoma, Wash.	11,698	12,315	12,335	13,424	16,228	16,149	16,983	17,839
Tampa, Fla.	(1)	12,682	12,558	13,144	(1)	14,156	14,848	13,834
Toledo, Ohio	41,613	37,209	38,727	49,090	57,537	57,451	57,049	72,481
Trenton, N. J.	24,045	22,322	19,965	18,953	30,913	30,135	25,887	24,626
Tulsa, Okla.	2,208	1,678	2,186	3,087	3,183	2,537	3,405	4,891
Utica, N. Y.	16,075	14,833	14,175	13,195	17,697	16,962	16,221	14,320
Washington, D. C.	9,823	9,753	9,519	9,752	14,796	15,320	15,669	15,513
Wichita, Kans.	(1)	3,954	3,996	4,467	(1)	5,276	5,702	5,890
Wilmington, Del.	14,993	13,549	13,993	14,910	19,041	17,057	17,926	19,829
Worcester, Mass.	36,449	31,142	30,377	31,636	47,244	42,330	41,404	45,260
Yonkers, N. Y.	14,005	12,662	13,414	13,127	18,803	17,677	18,511	11,284
Youngstown, Ohio	20,516	19,215	18,566	20,543	35,202	33,682	31,494	37,002

City and State	Value of products				Value added by manufacture[1]		
	1923	1925	1927	1929	1925	1927	1929
Providence, R. I.	215,654	212,118	214,617	241,794	105,050	105,372	132,078
Reading, Pa.	134,502	132,405	121,095	120,919	64,055	60,929	63,720
Richmond, Va.	146,413	157,450	220,743	234,619	83,477	128,598	144,280
Rochester, N. Y.	337,362	337,548	368,111	380,701	201,041	222,868	237,727
St. Louis, Mo.	914,277	874,557	937,416	1,022,713	361,137	387,917	439,133
St. Paul, Minn.	150,355	194,013	160,331	206,229	86,753	77,677	101,818
Salt Lake City, Utah	47,572	32,589	35,115	42,197	15,708	15,669	20,461
San Antonio, Tex.	34,756	38,634	45,165	53,373	15,638	20,164	22,803
San Diego, Calif.	23,213	28,214	29,546	34,205	12,865	13,360	16,258
San Francisco, Calif.	416,318	426,810	429,728	483,712	181,283	192,086	221,801
Scranton, Pa.	64,169	61,282	55,704	61,054	28,080	26,735	29,207
Seattle, Wash.	155,781	159,566	168,032	199,810	69,998	73,295	91,397
Somerville, Mass.	(1)	58,806	66,441	97,430	12,805	16,223	29,748
South Bend, Ind.	(1)	150,616	126,882	163,378	61,326	65,633	80,958
Spokane, Wash.	40,562	43,156	46,170	45,608	17,030	18,071	18,301
Springfield, Mass.	104,568	109,516	103,922	113,931	63,146	57,872	66,126
Syracuse, N. Y.	149,145	154,029	147,903	181,798	83,019	81,632	104,152
Tacoma, Wash.	69,458	71,001	79,882	92,774	27,471	30,093	38,049
Tampa, Fla.	(1)	55,447	55,704	53,107	31,225	32,967	32,459
Toledo, Ohio	360,375	371,120	360,115	429,600	143,475	114,901	196,414
Trenton, N. J.	116,623	126,516	107,417	107,843	63,547	57,694	62,667
Tulsa, Okla.	18,533	14,723	20,301	26,820	8,461	10,988	17,276
Utica, N. Y.	76,061	77,554	70,240	65,187	35,073	35,290	33,816
Wasington, D. C.	73,108	83,577	90,390	88,973	50,073	54,291	52,773
Wichita, Kans.	(1)	54,671	57,790	62,213	16,370	18,035	19,117
Wilmington, Del.	80,016	76,502	81,706	90,521	34,526	37,556	42,712
Worcester, Mass.	212,043	210,461	194,222	211,314	105,065	97,704	113,089
Yonkers, N. Y.	144,896	120,467	107,998	113,537	36,553	32,974	40,371
Youngstown, Ohio	272,184	236,180	207,379	264,520	65,177	63,901	94,508

[1] Data not available for 1923.

Source: Bureau of the Census, Department of Commerce.

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No. 756.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES COMBINED: BY GEOGRAPHIC DIVISIONS AND STATES

NOTE.—Data for "Coffee and spice roasting and grinding" (not tabulated for the United States as a whole for 1925) are included in the figures for 1914, 1923, 1927, and 1929. Data for "automobile repairing" (not collected since 1919) are included in the division and State figures for 1914, but are excluded from the totals for that year and from all figures for later years. Data for "Poultry killing and dressing" are included for all years, except 1927 for which year no data for this industry were collected. No data for establishments with products valued at less than $5,000 are included in the statistics for 1923 to 1929; for 1914, such data have been excluded from the United States totals except for wages and horsepower but are included in the United States totals for these items and in all division and State figures

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
United States	1929	210,959	8,838,743	11,620,973	38,549,580	70,434,863	31,885,284	42,931,061
	1927	191,866	8,349,755	10,848,803	35,133,137	62,718,347	27,585,210	38,825,681
	1925	187,390	8,384,261	10,729,969	35,935,648	62,713,714	26,778,066	35,772,628
	1923	196,309	8,778,156	11,009,298	34,705,698	60,555,998	25,850,300	33,094,228
	1914	177,110	6,896,190	4,067,719	14,278,333	23,987,861	9,709,527	22,290,899
New England	1929	18,272	1,098,514	1,346,392	3,158,416	6,398,215	3,239,798	4,686,822
	1927	17,745	1,098,748	1,328,650	3,048,863	6,028,475	2,979,612	4,566,155
	1925	18,173	1,122,216	1,339,310	3,203,911	6,140,063	2,936,153	4,349,191
	1923	19,081	1,254,496	1,472,315	3,290,156	6,419,975	3,129,820	4,151,136
	1914	25,193	1,140,233	628,409	1,657,674	2,926,675	1,269,001	3,098,836
Middle Atlantic	1929	64,730	2,562,340	3,640,420	11,183,619	21,359,574	10,175,955	11,623,682
	1927	62,276	2,467,791	3,491,680	10,488,832	19,533,075	9,044,243	10,968,754
	1925	58,895	2,491,039	3,434,610	10,682,358	19,409,491	8,727,133	10,106,390
	1923	66,007	2,694,027	3,595,238	11,124,614	19,738,954	8,614,340	9,627,810
	1914	85,466	2,355,940	1,370,131	4,680,993	8,053,644	3,372,651	6,641,348
East North Central	1929	46,396	2,542,176	3,738,804	11,689,799	21,663,289	9,973,490	12,602,451
	1927	43,671	2,309,860	3,340,801	10,525,393	18,988,400	8,463,007	11,056,846
	1925	42,888	2,342,799	3,345,894	10,764,884	19,026,814	8,261,929	10,047,780
	1923	43,978	2,387,049	3,333,621	10,166,125	17,821,694	7,655,569	9,023,688
	1914	59,896	1,680,281	1,072,538	3,795,039	6,542,261	2,747,222	5,391,978
West North Central	1929	17,792	474,115	589,162	3,507,392	5,377,383	1,869,991	2,210,192
	1927	16,192	448,192	550,698	3,170,989	4,733,112	1,562,123	2,033,074
	1925	16,280	452,820	552,702	3,216,616	4,724,411	1,507,795	1,855,278
	1923	16,605	469,725	563,914	2,848,565	4,299,549	1,450,984	1,705,600
	1914	27,199	381,595	235,471	1,397,841	2,032,192	634,352	1,235,147
South Atlantic	1929	20,860	912,247	825,903	2,811,055	5,269,276	2,458,221	4,318,015
	1927	17,029	879,060	794,265	2,487,871	4,631,952	2,144,081	3,805,038
	1925	16,576	838,834	757,051	2,549,391	4,532,146	1,982,755	3,384,030
	1923	17,049	832,016	729,859	2,438,631	4,238,237	1,799,606	3,047,501
	1914	28,925	685,252	293,063	1,003,068	1,682,999	679,931	2,266,238
East South Central	1929	9,860	377,870	348,733	1,090,015	2,014,443	924,428	1,999,354
	1927	7,637	359,542	331,280	1,025,122	1,808,818	783,696	1,787,386
	1925	8,080	355,995	322,675	1,042,478	1,808,702	766,224	1,615,183
	1923	7,513	347,200	310,354	988,075	1,702,670	714,594	1,461,604
	1914	14,410	264,378	117,987	387,011	700,668	313,657	1,156,654
West South Central	1929	10,576	297,743	316,475	1,851,630	2,802,092	950,462	1,749,555
	1927	8,208	267,142	281,156	1,644,155	2,399,410	755,255	1,419,558
	1925	7,887	265,160	267,875	1,722,382	2,546,506	824,124	1,316,629
	1923	7,947	267,111	265,332	1,375,838	2,091,624	715,786	1,269,347
	1914	12,417	211,940	116,129	526,907	802,538	275,631	964,470
Mountain	1929	4,319	102,492	144,486	869,856	1,239,911	370,055	938,689
	1927	3,919	94,957	130,304	659,600	981,091	321,490	829,256
	1925	3,849	100,374	134,583	688,350	1,046,318	357,968	757,974
	1923	3,970	103,803	143,392	609,141	955,772	346,632	714,807
	1914	6,079	81,113	66,358	272,215	437,568	165,353	459,516
Pacific	1929	18,154	471,246	670,599	2,387,799	4,310,681	1,922,882	2,802,301
	1927	15,189	424,463	599,969	2,082,311	3,614,013	1,531,702	2,359,614
	1925	14,762	415,024	575,269	2,041,255	3,455,241	1,413,986	2,269,169
	1923	14,158	420,472	591,387	1,851,431	3,257,540	1,406,109	1,886,942
	1914	16,206	235,515	178,247	647,342	1,067,889	420,548	1,093,002
New England:								
Maine	1929	1,568	70,159	74,200	217,367	391,751	174,385	679,153
	1927	1,426	68,142	74,212	208,866	372,093	163,228	628,941
	1925	1,500	73,849	79,777	205,709	371,849	166,141	600,787
	1923	1,642	83,328	91,854	217,070	402,650	185,580	570,532
	1914	3,378	82,149	43,254	117,655	200,450	82,795	486,032

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No. 756.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
New England—Contd.								
New Hampshire	1929	1,075	65,511	70,514	185,402	332,535	147,132	402,147
	1927	1,028	65,482	72,803	182,106	327,528	145,422	376,373
	1925	1,038	66,658	71,725	192,253	327,401	135,147	370,740
	1923	1,078	75,314	79,074	185,754	333,125	147,370	352,656
	1914	1,736	78,993	40,642	114,993	182,844	67,850	340,605
Vermont	1929	927	27,421	33,810	66,263	143,523	77,260	163,940
	1927	880	26,241	32,305	69,957	134,030	64,073	172,762
	1925	951	27,563	32,326	74,387	138,270	63,882	178,806
	1923	1,021	30,783	34,695	80,776	149,952	69,176	177,212
	1914	1,772	32,704	18,617	42,706	76,991	34,285	171,738
Massachusetts	1929	9,872	557,494	694,805	1,681,433	3,392,162	1,710,729	2,068,521
	1927	10,037	578,068	705,930	1,678,812	3,317,852	1,639,039	2,130,503
	1925	10,027	591,438	716,156	1,773,698	3,405,672	1,631,974	2,013,017
	1923	10,519	667,172	799,363	1,835,013	3,570,543	1,735,530	1,931,787
	1914	12,013	606,698	341,310	931,384	1,641,373	709,989	1,380,912
Rhode Island	1929	1,701	126,068	144,197	342,290	666,368	324,078	463,822
	1927	1,497	120,009	138,896	313,107	592,233	279,126	410,181
	1925	1,595	120,346	138,126	345,221	621,920	276,699	395,754
	1923	1,691	134,667	152,500	358,581	675,425	316,844	391,928
	1914	2,190	113,425	59,366	162,425	279,546	117,121	266,884
Connecticut	1929	3,129	251,861	328,865	665,661	1,471,876	806,214	909,239
	1927	2,877	240,806	304,504	596,014	1,284,739	688,724	847,395
	1925	3,062	242,362	301,200	612,642	1,274,952	662,309	790,087
	1923	3,130	263,232	314,829	612,961	1,288,281	675,320	727,021
	1914	4,104	226,264	125,220	288,511	545,472	256,961	452,665
Middle Atlantic:								
New York	1929	39,395	1,105,966	1,650,379	5,004,636	9,978,556	4,973,920	3,986,781
	1927	36,650	1,072,284	1,605,378	4,804,173	9,400,061	4,595,889	3,671,185
	1925	33,393	1,066,202	1,533,893	4,704,989	8,968,548	4,263,558	3,348,184
	1923	38,186	1,150,901	1,581,349	4,764,626	8,960,638	4,196,012	3,263,325
	1914	48,203	1,057,857	631,042	2,108,607	3,814,661	1,706,054	2,321,817
New Jersey	1929	8,388	442,328	610,596	2,165,727	3,937,157	1,771,430	1,645,408
	1927	8,312	408,093	570,309	1,956,597	3,417,450	1,460,853	1,496,935
	1925	8,204	425,377	576,236	2,086,855	3,539,181	1,452,326	1,384,234
	1923	8,767	448,069	578,927	2,039,477	3,396,628	1,357,150	1,256,892
	1914	9,742	373,605	211,136	883,465	1,406,633	523,169	783,706
Pennsylvania	1929	16,947	1,014,046	1,379,444	4,013,256	7,443,861	3,430,606	5,991,493
	1927	17,314	987,414	1,315,993	3,728,062	6,715,563	2,987,502	5,800,634
	1925	17,298	999,460	1,324,481	3,890,514	6,901,762	3,011,248	5,373,972
	1923	19,054	1,095,057	1,434,963	4,320,510	7,381,688	3,061,178	5,107,593
	1914	27,521	924,478	527,953	1,688,921	2,832,349	1,143,429	3,535,825
East North Central:								
Ohio	1929	11,855	741,143	1,102,166	3,138,099	6,027,903	2,889,804	4,340,575
	1927	10,961	669,097	968,181	2,877,126	5,230,323	2,353,197	3,734,761
	1925	11,137	676,742	975,812	3,029,686	5,347,522	2,317,836	3,482,618
	1923	11,195	699,132	979,660	2,909,167	5,146,515	2,237,348	3,307,726
	1914	15,658	510,435	317,924	1,020,782	1,782,808	762,026	1,985,950
Indiana	1929	5,091	314,698	418,771	1,403,431	2,539,894	1,136,463	1,858,735
	1927	4,726	280,717	375,218	1,227,169	2,153,479	926,311	1,602,113
	1925	4,772	280,854	365,003	1,257,961	2,125,023	867,062	1,420,989
	1923	4,909	291,131	374,510	1,190,070	2,031,675	841,605	1,372,007
	1914	8,022	197,503	119,258	423,857	730,795	306,938	707,982
Illinois	1929	15,333	691,555	1,024,870	3,352,054	6,282,092	2,930,038	2,807,001
	1927	14,711	623,468	914,103	2,921,092	5,386,003	2,464,911	2,456,997
	1925	14,117	622,368	897,970	2,926,064	5,321,838	2,395,774	2,247,408
	1923	14,345	645,627	913,220	2,794,613	5,041,113	2,246,501	1,942,516
	1914	18,388	506,943	340,910	1,340,183	2,247,323	907,139	1,294,421
Michigan	1929	6,686	530,035	840,505	2,589,374	4,656,718	2,067,344	2,356,746
	1927	5,800	488,856	760,602	2,346,678	4,244,941	1,898,263	2,214,747
	1925	5,600	515,494	792,225	2,466,426	4,373,186	1,906,760	1,887,750
	1923	5,697	503,308	769,071	2,270,773	3,882,192	1,611,419	1,471,550
	1914	8,724	271,090	182,252	592,801	1,086,162	493,361	726,777

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No. 756.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
East North Central—Continued.								
Wisconsin	1929	7,431	264,745	352,491	1,206,840	2,156,682	949,842	1,239,394
	1927	7,473	247,722	322,697	1,153,328	1,973,653	820,325	1,048,228
	1925	7,262	247,341	314,883	1,084,747	1,859,244	774,496	1,009,015
	1923	7,832	247,851	297,160	1,001,502	1,720,198	718,696	929,889
	1914	9,104	194,310	112,193	417,415	695,172	277,757	676,848
West North Central:								
Minnesota	1929	4,315	103,414	132,418	768,218	1,173,214	404,995	606,704
	1927	3,886	98,833	123,619	726,391	1,066,727	340,336	584,328
	1925	3,888	100,614	123,767	770,724	1,101,856	331,132	508,021
	1923	3,900	103,964	125,531	647,323	962,775	315,452	460,128
	1914	5,974	92,834	58,507	336,849	493,354	156,505	358,163
Iowa	1929	3,317	81,678	102,327	574,394	898,213	323,820	366,760
	1927	3,061	73,692	91,247	496,940	769,341	272,401	330,702
	1925	3,270	74,976	92,233	499,586	757,771	258,185	308,016
	1923	3,420	77,847	94,206	434,336	690,032	255,697	282,333
	1914	5,614	63,113	39,860	205,451	310,750	105,299	189,800
Missouri	1929	5,765	202,879	240,369	1,139,658	1,917,155	777,497	717,978
	1927	5,422	195,378	230,017	1,004,709	1,665,173	660,464	656,269
	1925	5,114	194,959	230,691	980,459	1,607,161	626,702	590,485
	1923	5,291	196,694	228,015	944,083	1,547,189	603,106	553,397
	1914	8,386	152,182	89,197	388,715	637,952	249,237	389,376
North Dakota	1929	373	4,024	5,687	39,684	55,322	15,637	19,756
	1927	307	3,260	4,808	34,271	47,003	12,732	16,167
	1925	320	3,261	4,575	32,307	44,632	12,325	16,711
	1923	340	3,552	5,134	30,704	42,145	11,441	16,730
	1914	699	3,275	2,416	14,484	21,147	6,663	13,980
South Dakota	1929	615	6,535	8,132	75,016	97,698	22,681	31,297
	1927	472	5,551	6,786	63,620	83,001	19,381	24,676
	1925	504	5,151	6,208	46,942	63,433	16,491	21,463
	1923	489	5,146	6,211	33,673	47,321	13,648	16,458
	1914	898	3,788	2,628	17,079	24,139	7,059	16,324
Nebraska	1929	1,491	28,212	36,881	364,175	484,168	119,994	169,210
	1927	1,277	26,110	34,296	326,917	420,296	93,379	141,506
	1925	1,306	27,200	36,021	348,397	443,309	94,912	133,703
	1923	1,379	31,267	39,761	314,027	415,057	101,030	120,999
	1914	2,492	25,144	16,893	174,114	221,616	47,502	89,258
Kansas	1929	1,916	47,373	63,348	546,247	751,613	205,367	298,487
	1927	1,767	45,368	59,925	518,141	681,570	163,429	279,426
	1925	1,878	46,659	59,207	538,202	706,250	168,048	276,874
	1923	1,786	51,255	65,056	444,420	595,030	150,610	255,555
	1914	3,136	41,259	25,970	261,148	323,234	62,086	178,246
South Atlantic:								
Delaware	1929	460	23,552	29,063	80,491	149,642	69,151	114,961
	1927	446	21,324	25,222	69,033	129,900	60,867	103,166
	1925	419	20,704	25,072	70,622	125,406	54,784	107,391
	1923	453	23,116	27,369	70,736	128,951	58,216	112,485
	1914	808	22,155	11,382	31,649	56,035	24,386	64,324
Maryland	1929	3,231	131,099	148,835	696,986	1,119,082	422,097	659,823
	1927	3,205	126,700	141,903	564,120	943,411	379,290	579,713
	1925	3,184	125,787	138,591	568,591	926,252	357,660	544,558
	1923	3,168	128,826	136,286	569,035	903,446	334,411	497,945
	1914	4,797	111,585	53,792	238,972	377,749	138,777	262,199
Dist. of Columbia	1929	547	9,752	15,513	36,200	88,973	52,773	44,916
	1927	503	9,519	15,669	36,099	90,390	54,291	39,471
	1925	538	9,753	15,320	33,504	83,577	50,073	37,508
	1923	600	9,823	14,796	32,870	73,108	40,238	31,846
	1914	514	8,877	6,069	12,239	28,978	16,739	24,745
Virginia	1929	3,287	120,273	118,089	365,824	745,910	380,086	646,251
	1927	2,432	114,918	110,378	346,166	671,347	325,181	503,726
	1925	2,553	112,135	105,887	314,711	589,511	274,800	441,807
	1923	2,743	111,578	104,680	304,493	548,153	243,661	431,237
	1914	5,508	102,820	44,873	155,320	264,039	108,719	337,567

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No. 756.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
South Atlantic—Contd.								
West Virginia	1929	1,488	85,326	115,295	261,398	513,012	251,615	650,199
	1927	1,313	77,630	103,431	252,884	455,217	202,332	546,440
	1925	1,395	80,700	105,892	260,880	470,822	209,941	495,051
	1923	1,487	85,661	109,937	259,151	479,510	220,359	371,699
	1914	2,749	71,078	43,784	110,033	193,512	83,479	278,219
North Carolina	1929	3,797	209,826	160,868	618,912	1,311,924	693,013	839,945
	1927	2,984	204,590	158,394	560,819	1,154,647	593,827	810,798
	1925	2,614	182,234	134,237	550,707	1,050,434	499,727	666,861
	1923	2,670	173,687	127,538	516,149	951,911	435,762	606,397
	1914	5,507	136,844	46,038	169,942	289,412	119,470	506,352
South Carolina	1929	1,659	108,777	73,223	226,542	385,892	159,351	527,326
	1927	1,059	108,992	74,478	206,772	358,334	151,562	478,245
	1925	1,134	100,144	67,062	237,227	370,283	133,056	423,359
	1923	1,180	96,802	64,753	221,240	360,446	139,206	407,735
	1914	1,885	71,824	24,173	91,009	138,891	47,882	335,710
Georgia	1929	4,179	158,774	110,435	427,805	722,454	294,649	641,899
	1927	3,175	154,168	108,118	360,262	609,918	249,656	565,899
	1925	2,876	141,173	99,210	399,351	648,852	249,501	523,334
	1923	3,058	137,476	92,144	381,769	604,453	222,684	449,888
	1914	4,639	104,461	38,128	160,089	253,271	93,182	357,130
Florida	1929	2,212	64,868	54,582	96,898	232,386	135,488	192,695
	1927	1,912	61,219	56,672	91,716	218,790	127,075	177,580
	1925	1,863	66,204	65,780	113,796	267,009	153,213	144,161
	1923	1,690	65,047	52,357	83,188	188,258	105,071	138,269
	1914	2,518	55,608	24,822	33,816	81,112	47,296	99,992
East South Central:								
Kentucky	1929	2,246	77,825	88,644	266,559	502,639	236,080	354,740
	1927	1,851	74,912	83,859	250,633	447,765	197,132	318,755
	1925	1,864	76,580	84,946	255,108	453,937	198,828	257,965
	1923	1,975	76,724	82,648	242,410	427,094	184,684	251,554
	1914	4,184	64,586	31,830	114,829	230,249	115,420	237,802
Tennessee	1929	2,855	128,400	115,877	407,611	730,509	322,898	606,704
	1927	2,098	114,968	101,198	351,436	614,041	262,604	475,243
	1925	2,162	107,645	95,255	358,097	601,488	243,391	447,529
	1923	2,307	106,504	92,482	334,111	555,266	221,154	391,465
	1914	4,775	74,373	33,083	123,430	212,071	88,641	286,844
Alabama	1929	2,848	119,559	102,005	302,253	560,378	258,125	785,330
	1927	2,355	119,093	105,489	317,493	550,372	232,879	779,156
	1925	2,349	116,599	101,243	325,684	552,824	227,140	697,998
	1923	1,996	109,620	95,205	323,666	541,729	218,063	640,892
	1914	3,242	78,717	33,897	107,411	178,798	71,386	445,604
Mississippi	1929	1,911	52,086	42,208	113,592	220,918	107,325	252,580
	1927	1,333	50,569	40,734	105,559	196,641	91,081	214,232
	1925	1,705	55,171	41,231	103,588	200,453	96,865	211,691
	1923	1,235	54,352	40,019	87,888	178,582	90,693	177,693
	1914	2,209	46,702	19,177	41,340	79,550	38,210	186,404
West South Central:								
Arkansas	1929	1,731	44,205	39,503	116,648	210,903	94,255	223,034
	1927	1,146	40,032	35,288	103,815	182,751	78,936	183,041
	1925	1,257	43,977	37,538	110,665	195,208	84,543	177,011
	1923	1,231	44,545	37,770	90,709	172,541	81,832	165,154
	1914	2,604	41,979	20,752	44,907	83,941	39,034	177,106
Louisiana	1929	1,989	87,345	83,867	438,540	685,037	246,497	480,404
	1927	1,624	82,415	79,673	427,994	638,361	210,367	415,582
	1925	1,742	88,058	79,763	465,426	710,050	244,624	410,298
	1923	1,781	94,719	83,031	407,414	624,683	217,268	402,938
	1914	2,211	77,665	39,544	157,886	255,313	97,427	354,765
Oklahoma	1929	1,658	31,695	41,277	306,501	455,905	149,404	223,257
	1927	1,373	27,932	35,785	269,418	371,718	102,300	185,480
	1925	1,282	26,333	34,211	301,147	403,295	102,148	156,826
	1923	1,242	25,489	33,069	230,263	315,208	84,946	152,956
	1914	2,518	17,443	11,011	70,970	102,006	31,036	97,103

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No. 756.—Summary for All Manufacturing Industries Combined: By Geographic Divisions and States—Continued

Division and State	Census year	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, fuel, and purchased electric energy	Value of products	Value added by manufacture	Horsepower
				In thousands of dollars				
West South Central—Continued.								
Texas	1929	5,198	134,498	151,827	989,940	1,450,246	460,307	822,860
	1927	4,065	116,763	130,409	842,927	1,206,580	363,653	635,455
	1925	3,606	106,792	116,363	845,144	1,237,952	392,809	572,798
	1923	3,693	102,358	111,462	647,452	979,192	331,740	548,299
	1914	5,084	74,853	44,821	253,144	361,279	108,135	335,496
Mountain:								
Montana	1929	589	14,869	24,215	209,845	271,094	61,249	197,781
	1927	565	14,242	20,915	151,792	203,503	51,712	188,390
	1925	606	14,777	21,078	146,351	205,474	59,123	166,528
	1923	679	15,943	24,540	128,702	174,874	46,172	190,516
	1914	939	13,704	13,001	46,744	84,446	37,702	91,671
Idaho	1929	562	15,648	22,452	51,864	96,352	44,489	105,787
	1927	470	13,513	18,971	47,927	86,256	38,329	89,830
	1925	490	15,794	20,709	53,152	96,990	43,838	82,552
	1923	510	16,347	22,886	43,134	87,429	44,295	72,146
	1914	698	8,919	7,491	14,892	28,454	13,562	50,297
Wyoming	1929	248	6,258	10,255	62,720	96,348	33,628	46,677
	1927	229	5,577	9,066	63,741	85,368	21,627	40,191
	1925	224	6,333	10,526	76,073	107,985	31,911	28,721
	1923	246	7,510	12,502	69,695	110,632	40,937	23,959
	1914	337	2,989	2,312	5,559	11,223	5,664	10,004
Colorado	1929	1,548	32,890	43,640	183,740	306,071	122,331	233,726
	1927	1,483	32,001	43,194	173,277	278,221	104,944	254,530
	1925	1,416	31,967	43,008	171,192	278,778	107,586	219,865
	1923	1,377	31,226	40,653	150,093	255,190	105,097	176,076
	1914	2,126	27,278	20,200	89,756	136,839	47,083	162,701
New Mexico	1929	250	4,476	5,565	10,419	21,697	11,278	23,147
	1927	200	4,653	5,421	10,056	20,183	10,127	21,467
	1925	200	4,629	5,083	9,684	19,459	9,774	18,842
	1923	186	5,459	6,484	9,954	20,422	10,468	16,863
	1914	368	3,776	2,695	4,430	9,320	4,890	12,468
Arizona	1929	348	10,550	15,075	167,714	200,002	32,289	180,637
	1927	300	8,967	12,133	77,799	117,624	39,825	100,641
	1925	294	9,127	11,506	92,271	138,781	46,511	102,127
	1923	283	9,008	12,635	80,993	123,377	42,384	128,531
	1914	322	6,898	6,229	39,283	64,090	24,806	54,095
Utah	1929	651	15,601	19,699	157,902	214,629	56,727	123,737
	1927	556	13,585	16,689	120,567	163,118	42,551	112,233
	1925	517	15,077	18,200	127,543	177,225	49,681	124,735
	1923	585	14,945	18,344	114,183	161,607	47,424	78,733
	1914	1,109	13,894	10,852	62,233	87,112	24,879	59,536
Nevada	1929	123	2,200	3,585	25,652	33,717	8,065	27,197
	1927	116	2,419	3,915	14,440	26,816	12,375	21,974
	1925	102	2,670	4,474	12,084	21,627	9,542	14,604
	1923	104	3,365	5,348	12,388	22,243	9,855	27,983
	1914	180	3,655	3,578	9,317	16,083	6,766	18,744
Pacific:								
Washington	1929	3,672	114,830	160,671	428,413	795,562	367,149	814,891
	1927	3,344	104,468	145,931	389,885	677,914	288,029	680,408
	1925	3,216	105,893	146,225	372,759	659,340	286,581	743,110
	1923	3,029	111,663	156,435	372,044	678,543	306,499	593,330
	1914	3,829	67,205	51,703	136,609	245,326	108,717	389,344
Oregon	1929	2,463	65,505	86,829	205,227	411,769	206,542	418,324
	1927	1,779	57,179	75,717	187,771	342,852	155,081	339,511
	1925	1,908	59,579	78,209	193,609	352,949	159,340	387,749
	1923	1,909	62,655	81,769	195,922	363,715	167,794	322,297
	1914	2,320	28,829	20,932	63,258	109,762	46,504	214,165
California	1929	12,019	290,911	423,099	1,754,158	3,103,350	1,349,191	1,569,086
	1927	10,066	262,816	378,321	1,504,655	2,593,247	1,088,592	1,339,695
	1925	9,638	249,552	350,835	1,474,887	2,442,952	968,065	1,133,310
	1923	9,220	246,154	353,183	1,283,465	2,215,281	931,817	971,315
	1914	10,057	139,481	105,613	447,475	712,801	265,326	489,493

Source: Bureau of the Census, Department of Commerce.

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No. 757.—INDEXES OF PRODUCTION OF MANUFACTURES AND MINERALS

NOTE.—The manufactures index covers 49 industries and the minerals index 8. Both indexes have been adjusted for seasonal variations and for the number of working days in the month

[Monthly average 1923–1925=100]

Month	Manufactures							Minerals						
	1925	1926	1927	1928	1929	1930	1931	1925	1926	1927	1928	1929	1930	1931
January	105	109	106	107	120	105	82	105	91	115	103	116	110	88
February	105	107	107	110	119	107	86	100	95	117	102	119	108	86
March	104	106	108	109	120	104	87	96	106	120	105	109	98	89
April	103	106	108	109	122	104	87	100	108	106	105	114	104	91
May	102	106	110	108	123	101	86	104	104	109	106	117	104	87
June	102	108	108	109	127	97	82	101	107	106	102	114	102	86
July	103	108	107	110	125	92	82	104	108	101	102	116	100	86
August	102	110	106	111	122	89	78	107	109	106	105	115	96	79
September	103	111	104	114	121	89	75	89	110	104	107	118	94	77
October	106	111	102	116	119	86	71	90	113	103	111	116	95	84
November	109	108	101	118	110	85	71	95	118	102	114	110	92	81
December	112	105	102	120	101	82	73	93	119	102	111	116	93	85

No. 758.—MANUFACTURING PRODUCTION: INDEXES FOR GROUPS OF INDUSTRIES

NOTE.—Monthly average 1923–1925=100. The monthly figures are adjusted for the varying number of working days in each month and for the normal seasonal variations. In computing the indexes, the individual products and industries have been weighted in accordance with their relative importance

Year and month	Total [1]	Iron and steel	Textiles	Food products	Paper and printing	Lumber cut	Automobiles	Leather products	Cement	Nonferrous metals	Petroleum refining	Rubber tires and tubes	Tobacco products
1919	84	82	92	94	76	84	50	104	54	67	54	------	82
1920	87	99	84	84	87	86	58	97	67	78	64	------	87
1921	67	46	87	83	70	72	41	90	66	39	64	55	85
1922	86	82	99	94	85	87	66	102	76	69	74	77	89
1923	101	105	105	99	94	101	102	110	92	94	86	86	96
1924	94	89	91	103	99	98	91	94	100	99	99	98	99
1925	105	106	104	98	107	101	107	96	108	107	115	116	105
1926	108	113	104	97	114	98	108	98	110	112	127	116	112
1927	106	104	113	96	112	92	86	103	115	109	136	120	118
1928	112	119	107	98	119	91	110	103	118	115	152	144	124
1929	119	130	115	97	125	91	135	105	114	125	168	135	134
1930	95	94	91	93	113	64	85	94	108	97	161	100	131
1931	80	59	94	90	106	40	60	92	84	(2)	155	96	123
1930													
January	105	107	103	97	121	74	97	103	110	105	160	112	134
February	107	118	100	94	122	78	102	100	115	102	166	105	133
March	104	109	99	90	120	82	98	100	123	103	165	104	129
April	104	107	95	95	120	78	102	103	114	105	171	110	134
May	101	104	88	97	117	76	101	99	116	100	171	108	132
June	97	102	83	92	115	70	91	96	115	96	166	106	140
July	92	91	84	94	111	63	75	92	112	96	164	93	136
August	89	90	80	91	109	59	62	93	110	95	162	99	129
September	89	83	88	96	108	54	62	93	105	97	163	85	125
October	86	76	90	96	107	50	49	88	99	95	157	90	128
November	85	71	93	95	103	43	74	82	91	86	148	90	119
December	82	63	90	89	101	45	85	82	86	85	148	93	132
1931													
January	82	70	86	94	107	47	63	81	85	77	141	94	123
February	86	73	95	92	109	44	68	89	86	79	147	92	133
March	87	75	97	87	110	48	67	94	91	76	150	97	131
April	87	70	96	95	109	47	77	103	94	73	159	96	132
May	86	66	97	89	111	48	78	107	94	73	161	115	135
June	82	60	96	83	107	47	65	99	93	68	159	108	132
July	82	58	100	87	109	42	60	98	90	65	160	114	121
August	78	50	99	88	105	38	52	102	83	65	161	94	118
September	75	45	100	93	104	36	40	95	79	65	159	80	118
October	71	45	93	92	100	33	26	81	75	(3)	159	76	111
November	71	51	89	91	99	27	36	77	67	(3)	155	84	113
December	73	42	88	97	99	27	66	82	61	(3)	149	88	113

[1] Includes data for some industries not shown separately in this table.
[2] Data available only for first nine months of the year; average from January to September, inclusive, 71.
[3] Data not available.

Source of Tables 757 and 758: Federal Reserve Board.

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No. 759.—TEXTILE MANUFACTURES: PRODUCTION

NOTE.—In general, most of the articles listed are finished products, but large quantities of partly finished products, especially yarn, made for sale to other establishments of the same or other branches of the textile industry are included. This involves considerable duplication in total value of products and in cost of materials

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
COTTON-GOODS AND SMALL-WARES[1]							
Total value					**1,761,713**	**1,608,941**	**1,579,792**
Sheetings	Sq. yard	1,638,169	1,857,476	1,693,167	180,357	167,888	146,181
Print cloth	do	1,166,374	1,583,861	1,703,025	98,453	109,826	121,423
Voiles	do	124,479	151,654	157,449	14,438	15,012	13,407
Lawns, nainsooks, cambrics, and similar muslins.	do	326,087	272,454	226,554	43,323	32,101	25,419
Tobacco, cheese, butter, bunting and bandage cloths.	do	451,633	660,424	617,411	16,269	19,298	18,100
Ginghams	do	356,476	290,619	147,120	57,591	37,129	17,717
Shirtings	do	455,397	378,530	317,046	75,757	55,437	45,771
Drills	do	286,115	347,776	324,041	42,389	40,668	39,701
Twills and sateens	do	532,831	413,997	284,117	84,133	50,336	37,441
Ticks and denims	do	228,854	313,401	292,302	56,397	60,150	58,537
Osnaburgs	do	118,069	164,976	139,527	18,449	17,900	17,302
Cotton flannel (canton flannel, flannelettes, and blanketings).	do	340,416	400,097	323,140	53,607	55,386	48,329
Tire duck	do	40,762	35,474	22,277	16,629	11,343	6,846
Ducks (except tire)	do	193,334	218,505	230,144	53,827	57,929	65,093
Tire fabrics (except tire duck)	Pound	157,263	167,188	233,129	88,997	69,631	104,875
Tapestries	Sq. yard	15,737	18,619	9,810	17,390	16,612	12,995
Plushes, velvets, velveteens	do	33,478	42,689	59,394	40,679	45,710	41,761
Corduroys	do	21,593	23,171	27,134	9,553	8,677	9,501
Towels, toweling, and washcloths.	do	126,566	169,997	169,694	38,150	42,611	33,037
Cotton table damask	do	53,468	33,523	35,868	12,450	6,751	8,383
Blankets	do	92,077	107,263	94,061	29,548	29,452	25,392
Bedspreads and quilts (crochet, marseilles, and satin).	do	52,637	71,283	52,902	16,703	18,950	16,396
Bags made from fabric woven by establishment.	do	12,694	17,558	10,486	3,384	3,271	2,032
Small wares					67,127	62,156	65,494
Yarns for sale	Pound	626,357	664,335	647,725	313,060	253,663	253,349
Thread	do	34,167	29,992	25,250	53,284	46,409	37,100
Batting, wadding, and mattress felts.	do	90,681	129,836	149,481	14,134	16,304	19,407
Cotton waste for sale	do	417,094	484,416	443,916	40,623	26,809	32,570
Other cotton products					205,012	231,532	256,233
LACE							
Total value					**30,149**	**24,360**	**27,931**
Nottingham lace curtains	Pair	4,560	5,661	6,113	10,277	10,797	11,250
Nottingham lace curtain nets	Lin. yard	28,612	19,197	14,313	8,823	5,518	4,675
Levers laces	Sq. yard	8,982	[2]	[2]	6,548	6,263	8,756
Other lace products					4,501	1,782	3,250
KNIT GOODS							
Total value					**794,560**	**801,427**	**881,176**
Hose and half hose	Doz. pair	103,707	110,006	117,366	411,366	453,593	511,626
Gloves and mittens	do	[3]	5,036	3,728	[3]	13,270	8,897
Shirts and drawers	Dozen	11,262	8,619	8,802	60,845	38,961	37,670
Union suits	do	11,500	9,786	8,891	99,215	83,685	70,837
Bathing suits	do	695	740	1,021	16,322	15,857	22,084
Scarfs and shawls	do	492	188	127	4,661	2,215	1,163
Headwear	do	805	700	783	4,511	3,877	3,783
Neckties	do	2,705	1,810	628	8,961	5,853	1,717
Jersey cloth and tricollette	Sq. yard	42,172	44,439	75,521	36,451	37,697	45,375
Stockinette					2,168	957	1,234
Glove and shoe linings					4,632	4,773	4,655
Towels and towelings	Sq. yard	976	920	[4]	701	659	[4]
Other knit products					144,727	140,031	172,135

For footnotes, see p. 769.

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No. 756.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
SILK AND RAYON GOODS							
Total value					812,860	755,658	737,759
Broad silk:							
All silk	Sq. yard	384,725	385,530	424,607	426,000	376,919	385,773
Silk mixed	do	98,391	127,296	59,452	103,121	108,696	42,210
Velvets	do	6,078	5,484	9,651	14,525	11,909	25,112
Plushes	do	925	1,310	1,957	2,352	2,748	3,830
Upholstery and tapestry	do	2,675	3,705	3,403	5,037	8,303	6,122
Organzine, tram, and crêpe twist for sale.	Pound	9,660	11,409	12,121	66,478	70,247	69,740
Spun silk for sale	do	4,692	4,456	3,769	20,364	15,696	12,916
Machine twist	do	860	723	515	8,971	6,474	4,822
Sewing, embroidery, and other floss silks.	do	764	659	335	6,020	5,768	2,864
Ribbons					52,061	36,041	25,008
Fringes and gimps					6,794	7,508	7,839
Braids and binding					14,513	11,285	4,863
Other silk and rayon products					86,624	94,064	146,660
WOOLEN AND WORSTED GOODS[1]							
Total value					925,762	808,208	802,876
Suitings, dress goods, overcoatings, and cloakings.[5]	Sq. yard	460,922	414,320	354,295	566,302	459,453	432,258
All-wool woolen	do	153,323	136,635	135,354	198,964	167,484	155,938
All-wool worsted	do	179,163	173,754	166,211	275,617	231,998	238,669
Wool and cotton mixed	do	26,124	30,433		25,943	20,844	
Cotton-warp woolen	do	60,933	46,609	52,730	40,029	24,785	37,651
Cotton-warp worsted	do	41,379	26,889		25,749	14,342	
Flannels for underwear (all wool).	do	672	(2)	(2)	299	(2)	(2)
Flannels for underwear (cotton mixed).	do	999	(2)	(2)	649	(2)	(2)
Domett flannels and shirtings	do	7,206	8,413	14,899	3,440	3,627	5,778
Satinets and linseys	do	11,877	3,974		4,244	1,282	
Blankets, all-wool	do	11,084	17,295	18,095	10,989	12,359	15,831
Horse blankets	do	1,410	1,069	394	787	631	212
Yarns for sale	Pound	151,000	145,763	159,474	210,692	184,024	199,758
Noils and wool waste for sale	do	42,591	48,520	46,368	17,887	18,526	15,597
Other woolen and worsted goods.					110,473	128,306	133,442
FELT GOODS[1]							
Total value					40,591	39,015	45,276
Felt cloths	Pound	6,391	6,401	7,075	15,821	15,009	17,113
Trimming and lining felts	do	2,690	3,708	6,147	2,088	3,122	3,889
Shoe and slipper felts	do	5,384	5,119	5,148	5,777	5,296	2,982
Boot and shoe linings	do	1,163	1,723	1,607	957	1,165	1,183
Hair felting	do	31,058	31,095	70,254	5,209	6,075	20,109
All other felts	do				10,739	8,348	
HATS, WOOL-FELT							
Total value					7,688	7,767	8,031
Hats	Dozen	373	376	400	6,340	5,033	4,410
Hat bodies and hats in the rough.	do	185	379	500	1,348	2,734	3,621
CARPETS AND RUGS							
Total value					182,035	163,289	174,237
Carpets	Sq. yard	21,859	16,872	27,385	49,024	40,778	61,788
Rugs, made of sewed strips	do	14,264	9,340	3,720	53,628	35,106	14,410
Rugs, woven whole	do	36,066	41,021	42,306	79,383	87,405	98,089
WOOL SHODDY							
Total value					19,057	10,737	13,354
Recovered wool fiber	Pound	67,543	41,149	60,108	19,057	10,737	13,354

For footnotes, see p. 769.

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No. 759.—Textile Manufactures: Production—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
CORDAGE AND TWINE AND JUTE AND LINEN GOODS							
Total value					148,965	130,004	135,989
Rope, cable, and cordage:							
Manila hemp	Pound	101,006	105,614	114,476	21,791	22,607	22,171
Sisal	do	43,094	30,712	27,381	6,469	4,439	3,972
Hennequin	do	5,223	12,992	16,120	778	1,840	2,447
Cotton	do	25,903	27,404	28,096	9,278	7,602	8,299
All other	do	58,033	55,929	41,614	9,661	8,154	5,784
Twine, binder [6]	do	233,661	169,795	178,605	29,249	19,457	18,395
Twine, cotton	do	49,941	64,208	85,988	19,734	20,160	28,991
Twine, other	do	56,591	74,065	91,091	11,000	12,813	15,204
Yarns for sale	do	97,475	88,539	97,935	19,475	15,742	15,467
Linen thread	do	2,857	2,708	3,103	4,694	4,211	4,510
Linen woven goods					2,933	3,552	3,365
Jute bagging	Sq. yard	45,871	48,272	27,863	5,048	5,200	3,129
Other products					8,855	4,227	4,255
HATS, FUR-FELT [7]							
Total value					76,625	93,025	95,278
Hats	Dozen	1,733	2,013	1,770	62,224	73,084	70,809
Hat bodies and hats in the rough.	do	953	1,233	1,534	14,401	19,941	24,469
FLOOR COVERING, OILCLOTH, AND ARTIFICIAL LEATHER							
Total value					130,039	124,867	140,673
Oilcloth (cotton back)	Sq. yard	87,373	105,284	125,677	18,822	18,763	23,640
Linoleum (jute back)	do	52,830	49,921	48,272	44,513	42,039	48,744
Floor covering (felt back)	do	77,889	111,793	117,970	30,029	34,900	36,943
Artificial leather	do	68,580	59,676	65,892	36,675	29,165	31,346

[1] Figures for 1925 and 1927 are not strictly comparable with those for 1929; data for the several classes made as secondary products in other industries are included for 1929 but not for 1925 and 1927.
[2] Data not available. [3] Comparable data not available. [4] Included in other knit products.
[5] Data for other suitings such as mohair, mohair and cotton mixed, woolen-worsted, etc., are included in the figures for "Other woolen and worsted goods."
[6] Not including binder twine made in penal institutions as follows: For 1925, 56,298,552 pounds; 1927, 57,808,454 pounds; 1929, 47,322,550 pounds.
[7] Figures for 1925 are not strictly comparable with those for 1927 and 1929; data for fur-felt hats made as secondary products in other industries are included for 1927 and 1929 but not for 1925.
Source: Bureau of Census, Department of Commerce.

No. 760.—BOOTS AND SHOES: Production

Note.—**In thousands of pairs.** Detailed value data were not collected at the censuses. For total value of products of the industry see Table 754, p. 746. Data for 1923 to 1931 compiled from monthly reports of manufacturers representing approximately 95 per cent of the total production in the United States for 1922 to 1928, and 98 per cent for 1929 to 1931

Year	Total	Men's	Boys' and youths'	Women's	Misses' and children's	Infants'	Athletic and sporting (leather)	Canvas and other textile	Not specified (including slippers)
1914	292,666	98,031	22,896	80,916	48,322	15,477	(1)	(1)	27,024
1919	331,225	95,017	26,504	104,813	48,538	16,669	586	11,056	28,042
1921	286,771	69,458	18,462	101,474	35,066	17,379	5,547	8,602	30,784
1923	351,114	100,283	22,239	109,676	40,136	27,015	6,434	8,347	36,984
1924	313,230	84,663	20,274	104,135	35,694	23,823	5,853	6,260	32,529
1925	323,553	86,546	21,021	104,782	38,691	24,587	5,914	8,564	33,448
1926	324,514	86,644	21,111	110,447	38,577	24,041	5,318	4,790	33,586
1927	343,606	95,328	24,229	116,259	39,650	24,542	[2] 1,488	3,301	38,809
1928	344,351	90,970	23,032	123,753	37,135	23,835	[2] 1,547	3,760	40,319
1929	361,402	94,770	22,993	131,303	39,927	23,750	[2] 1,768	3,121	43,770
1930	304,170	77,147	18,530	112,629	32,037	18,558	[2] 1,728	2,593	40,948
1931	316,240	77,420	20,047	112,603	34,308	18,546	[2] 1,708	4,750	46,858

[1] Not reported separately; included with "not specified, etc."
[2] Excludes certain heavy footwear formerly classified as "athletic" but properly included with men's.
Source: Bureau of the Census, Department of Commerce.

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No. 761.—LEATHER: Production by Principal Kinds

NOTE.—For value of products of the tanning industry see Table 754, p. 746

Kind	1925	1926	1927	1928	1929	1930	1931
Sole leather, cattle--1,000 backs, bends, sides	14,879	13,615	15,829	16,138	14,516	15,513	12,755
Belting leather--1,000 butts and butt bends	809	858	929	847	990	822	532
Harness leather--1,000 sides	1,288	1,169	1,016	813	642	506	358
Bag, case, and strap leather--do	1,175	1,183	1,105	812	947	751	624
Upholstery leather: [1]							
Whole-hide grains--1,000 hides	463	405	354	321	273	186	201
Machine buffed--do	163	196	148	149	141	53	47
Whole-hide splits--1,000 pieces	832	807	938	709	672	388	393
Upper leather (other than patent): [1]							
Cattle (including kip side)--1,000 sides	15,338	15,476	13,459	11,485	12,610	11,112	12,084
Calf and kip--1,000 skins	13,621	14,943	16,150	14,975	14,541	13,589	12,030
Goat and kid--do	40,887	48,415	49,417	52,862	54,355	54,451	47,980
Cabretta--do	2,412	2,344	1,551	2,064	1,672	1,972	1,770
Sheep and lamb--do	14,124	13,973	14,849	16,952	17,752	10,955	12,307
Patent leather (other than upholstery): [1]							
Cattle (including kip side)--1,000 sides	8,628	7,459	8,388	7,831	5,954	4,626	4,501
Horse and colt--1,000 half fronts	684	610	416	425	271	124	110
Goat and kid--1,000 skins	991	504	430	734	302	495	159
Glove and garment leather: [1]							
Horse, colt, ass, and mule—							
Half fronts--thousands	1,146	1,009	1,459	1,500	1,857	2,170	1,646
Shanks--do	1,011	1,143	1,154	1,301	1,420	1,497	1,523
Cabretta--1,000 skins	1,678	2,071	1,820	1,014	1,066	1,155	1,352
Sheep and lamb--do	5,326	5,297	7,576	9,026	8,633	9,298	10,934
Fancy and bookbinders' leather: [1]							
Sheep and lamb--1,000 skins	1,984	2,369	2,825	3,201	2,618	1,912	2,044
Goat and kid--do	541	664	717	1,116	889	398	422
Splits (other than upholstery) finished and rough--1,000 side splits	24,023	24,617	24,645	21,945	22,465	19,315	17,666

[1] Figures shown for principal kinds only.

Source: Bureau of the Census, Department of Commerce.

No. 762.—RUBBER PRODUCTS

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Total value					1,269,445	1,226,479	1,111,631
Tires and inner tubes:							
Pneumatic—							
Motor-vehicle	Number	136,172	134,405	143,808	774,727	739,070	654,103
Motor cycle and bicycle	do	2,512	3,046	3,737	3,961	3,695	3,634
Solid and cushion—							
Truck, bus, tractor, etc	do	1,035	813	590	43,870	34,985	17,947
All other					1,991	1,783	1,226
Boots, rubber	Pair	4,739	5,362	5,454	16,028	16,746	16,141
Shoes and overshoes, rubber	do	52,339	71,577	51,357	80,077	90,994	64,883
Shoes, canvas, with rubber soles	do	25,000	28,810	43,954	23,818	25,456	30,335
Heels, for sale as such	do	342,196	318,346	292,719	26,092	25,504	17,927
Soles, including composition or fiber	do	36,064	40,820	46,189	10,384	9,341	8,960
Rubberized fabrics, sold as such or on hand:							
Automobile and carriage	Yard	25,232	17,363	22,408	13,873	11,048	11,864
All other	do	25,840	38,445	70,560	7,760	15,493	17,890
Belting					23,481	21,947	25,776
Hose and tubing					35,644	41,472	40,932
Packing					4,444	4,853	5,033
Clothing					7,748	(1)	(1)
Druggists' and stationers' sundries					18,462	15,732	16,894
Hard-rubber goods					29,111	18,891	17,937
All other manufactures of rubber					113,955	122,096	136,242
Reclaimed rubber	Pound	243,852	330,436	363,696	23,021	27,373	23,906

[1] Included in "All other manufactures of rubber."

Source: Bureau of the Census, Department of Commerce.

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No. 763.—CHEMICALS: PRODUCTS MADE FOR SALE

NOTE.—In addition to quantities shown in the table, made for sale, large quantities of certain chemicals, especially acids, are made and consumed in further processes in the same establishment. There is considerable duplication in the total value of products due to the use of products sold by one establishment as materials for other establishments manufacturing chemicals. Tons are of 2,000 pounds

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Total value					[1] 611,313	[1] 616,821	[1] 785,928
Acids:							
Acetic	Pound	65,592	46,296	66,364	4,438	5,049	6,890
Boric (boracic)	do	15,605	21,010	26,055	1,202	1,583	1,541
Carbonic	do	59,721	74,344	136,930	5,128	6,048	6,932
Citric	do	7,598	7,058	10,756	3,470	3,151	4,833
Hydrochloric (muriatic)	Ton	155	162	196	2,976	3,016	3,195
Mixed (sulphuric-nitric)	do	61	61	64	3,767	3,821	4,214
Nitric	do	27	29	35	3,560	3,559	3,495
Oleic	Pound	53,276	55,686	56,948	5,171	4,778	5,375
Phosphoric	do	21,330	22,397	34,674	1,489	1,682	2,073
Stearic	do	26,877	37,277	39,154	3,379	3,832	5,488
Sulphuric (basis 50° B)	Ton	4,700	4,972	5,816	38,230	42,886	45,573
Sulphuric reclaimed (50° B)	do	210	191	381	1,479	1,089	1,389
Other acids					4,985	7,683	7,621
Alums	Ton	307	341	369	8,735	9,525	9,389
Aluminous abrasives	do	16	20	33	1,789	1,970	3,446
Other aluminum compounds					1,057	2,068	3,114
Bleaching compounds:							
Chlorine	Pound	104,960	180,163	289,855	4,236	6,678	7,113
Hypochlorites (calcium, sodium)	Ton	131	125	120	5,842	5,289	5,366
Hydrogen peroxide	Pound	27,161	21,443	[2] 8,509	1,880	1,506	2,372
Other peroxide bleaches	do	7,535	8,862	8,385	1,461	1,573	1,139
Sulphur bleaches					3,748	3,629	3,881
Coal-tar products:							
Crudes					25,403	24,862	26,370
Intermediates					25,324	22,844	25,594
Dyes and other finished products					61,474	58,350	78,688
Gases, compressed and liquefied					55,532	([3])	([3])
Nitrogen compounds:							
Ammonia (aqua and liquor)	Pound	66,228	46,225	[4] 30,200	3,027	1,260	1,784
Ammonia (anhydrous)	do	31,725	45,115	173,349	6,772	4,011	10,673
Other ammonium compounds					5,268	6,325	3,507
Ferric ferrocyanide	Pound	4,971	4,104	4,803	1,620	1,365	1,446
Other cyanides					5,044	4,946	6,337
Other nitrogen compounds					7,927	8,178	14,590
From coke-oven operations not included in total value (Bureau of Mines)—							
Ammonium sulphate	Pound	986,179	1,225,625	1,350,154	22,465	23,905	24,174
Liquor (NH_3 equivalent)	do	47,129	49,011	51,762	4,386	2,335	2,687
Plastics:							
Pyroxylin	do	47,005	[5] 16,298	[5] 20,427	27,878	[5] 14,410	[5] 18,063
Finished articles of pyroxylin					10,984	6,801	10,522
Other plastics					9,870	6,992	11,946
Potassium compounds:							
Bitartrate (cream of tartar)	Pound	7,073	7,595	7,853	1,472	1,747	1,930
Iodide	do	495	528	444	1,821	1,897	1,487
Other					2,778	5,663	6,581
Sodium compounds:							
Bichromate and chromate	Ton	28	31	39	3,527	3,780	5,137
Biborate (borax)	do	50	65	92	4,083	5,079	3,280
Carbonates—							
Soda ash	do	1,369	1,466	1,814	32,244	29,939	34,649
Sal soda	do	64	55	58	1,332	1,371	1,523
Bicarbonate	do	123	121	140	3,652	3,647	4,062
Modified sodas	do	47	54	59	1,551	1,828	1,783
Hydroxide (caustic)	do	487	547	725	27,392	29,193	36,089
Repacked caustic	do	27	21	17	4,415	4,128	3,612
Phosphates	do	80	97	146	5,755	6,985	8,965
Silicate	do	395	505	590	5,717	6,826	7,179

[1] The value of compressed and liquefied gases is included in the total for 1925, but not for later years. (See footnote 3.)

[2] Basis of 100 volumes.

[3] Treated as a separate industry beginning 1927, see Table 765, p. 773.

[4] Ammonia (NH_3) content.

[5] Data for pyroxylin solutions and thinners excluded for 1927 and 1929 in this table but included under "Paint and Varnish" in Table 765, p. 773.

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No. 763.—CHEMICALS: PRODUCTS MADE FOR SALE—Continued

Product	Unit	Quantity (thousands of unit specified)			Value (thousands of dollars)		
		1925	1927	1929	1925	1927	1929
Sodium compounds—Continued.							
Sulphates—							
Salt cake	Ton	141	175	170	2,339	2,787	2,015
Glauber's salt	do	58	53	62	1,265	1,082	1,112
Thiosulphate (hypo)	do	24	24	25	1,051	993	906
Niter cake	do	102	120	83	401	625	1,023
Sulphide	do	24	38	33	1,203	1,692	1,407
Other					13,594	13,925	24,913
Miscellaneous:							
Barium compounds					1,498	1,607	2,234
Bismuth compounds					1,216	938	898
Calcium—							
Acetate	Ton	73	69	58	3,437	4,021	4,695
Arsenate	Pound	15,199	27,282	33,064	1,075	1,665	1,860
Carbide	Ton	128	202		6,599	9,398	[6]
Chloride	do	171	191	277	3,719	4,443	5,947
Hypochlorite	do	115	111	93	3,967	4,148	3,351
Phosphate	do	36	34	38	4,455	4,914	5,557
Other					893	2,658	14,728
Carbon bisulphide	Pound	39,875	44,972	71,010	1,934	2,160	2,860
Cobalt compounds and alloys					413	518	770
Copper sulphate (blue vitriol)	Pound	32,297	56,667	78,669	1,684	2,774	4,345
Ethyl acetate	Gallon	2,907	4,607	10,932	2,407	3,701	9,007
Ferro-alloys (not blast furnace)	Ton	150	197	247	15,255	17,049	28,655
Formaldehyde	Pound	21,972	26,447		1,891	2,432	[7]
Glycerin (glycero) refined	do	94,303	89,585	113,140	16,991	19,185	12,716
Iron sulphate (copperas)	Ton	53	62	56	603	673	554
Lead arsenate	Pound	11,938	21,528	30,682	1,778	3,190	3,523
Silver nitrate	Ounce	4,339	4,897	5,647	2,023	1,957	2,016
Sulphur, refined	Ton	47	44	78	2,121	1,799	3,066
Tin, salt, and compounds					6,783	10,583	13,112
Vanillin	Pound	215	300	317	1,134	1,923	1,858
Zinc chloride	do	58,947	58,268	77,232	1,993	1,921	1,619
All other chemicals					107,105	130,776	184,503
Intergroup duplications					[8] 49,398	[8]21,558	[8]33,558

[6] Included in "Other calcium compounds." [7] Included in "All other products."
[8] Because of intergroup duplication the sum of the various products exceeds the total value of all products by this amount. For example, nitric acid is shown under "Acids" and is also included under "Other nitrogen compounds," likewise calcium hypochlorite is included in "Hypochlorites" under "Bleaching compounds" and is shown under "Calcium compounds."

No. 764.—NATURAL DYESTUFFS AND TANNING MATERIALS: PRODUCTION

Product	Quantity (thousands of pounds)			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
Total value				**31,224**	**30,929**	**33,615**
Natural dyestuffs:						
Extracts	23,402	26,500	24,952	1,971	2,049	2,426
Ground, chipped, or dry	1,226	921		44	20	
Tanning extracts:						
Oak and chestnut	303,089	319,155	274,989	5,353	5,671	4,296
Hemlock	8,622	6,596	[1]	284	210	[1]
Sumac	4,212	5,525	5,279	261	277	344
Quebracho	82,385	124,557	100,067	2,395	3,010	3,229
Other				2,040	1,854	1,937
Other tanning materials				409	409	152
Mordants				985	959	1,173
Sizes:						
Dextrin	56,350	31,917	33,507	3,336	2,093	2,043
Rosin	146,859	157,691	201,290	5,498	5,869	6,109
Gum, other than rosin	44,358	16,042	20,138	2,279	920	1,401
Starches, glue, and other	28,422	30,980	42,361	1,592	2,405	3,612
Turkey red oil	14,338	15,580	24,261	1,552	1,560	2,542
Softeners and other assistants				3,224	3,622	4,351

[1] Included with "Other."

Source of Tables 763 and 764: Bureau of the Census, Department of Commerce.

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No. 765.—MISCELLANEOUS INDUSTRIES INVOLVING CHEMICAL PROCESSES: CENSUS STATISTICS OF PRODUCTS

NOTE.—Only major products of a fairly sharply defined character, and in general only those for which quantitative data are available are shown. See also chemicals (Table 763), petroleum refining (Table 736), manufactured gas (Table 725), etc. Semifinished products made for consumption in the same establishment are not included, except where otherwise stated, but there is some duplication in total value of products in certain branches, due to the use of such products as materials by other establishments in the same industry. Tons are of 2,000 pounds

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
BONE BLACK, CARBON BLACK, AND LAMPBLACK							
Total value					**13,614**	**14,519**	**20,704**
Bone black	Pound	64,135	59,359	54,277	2,540	2,524	2,490
Carbon black	do	177,417	198,429	283,806	9,640	10,955	17,028
Lampblack	do	12,032	8,800	10,765	1,435	1,040	1,185
FERTILIZERS							
Total value					**195,040**	**173,810**	**222,731**
Complete fertilizers	Ton	4,926	5,088	5,992	143,327	128,380	168,838
Superphosphates, including concentrated phosphates, for sale.	do	2,639	2,435	[1] 2,531	35,180	30,003	28,375
Other fertilizers	do	664	600	797	16,533	15,427	25,518
PAINT AND VARNISH							
Total value					**481,313**	**527,109**	**574,880**
Colors (pigments)	Pound	1,608,119	1,773,889	1,918,459	103,919	105,756	116,753
Paints in paste form	do	434,583	408,722	401,546	55,707	49,554	46,666
Ready mixed paints	Gallon	87,640	94,071	106,165	158,376	165,664	178,242
Water paints and kalsomine, dry or in paste.	Pound	110,618	122,456	155,811	4,636	6,321	7,093
Varnishes, japans, lacquers, enamels, and allied products.					140,855	178,231	204,881
Qunatity reported	Gallon	88,692	106,452	126,874	140,855	170,579	196,511
Quantity not reported						7,652	8,370
Fillers:							
Liquid	Gallon	722	566	495	922	722	683
Paste and dry	Pound	42,004	41,486	30,613	2,304	2,109	1,954
Putty	do	101,209	102,703	99,163	3,926	4,255	4,253
Bleached shellac	do	11,136	10,611	11,140	5,991	5,015	5,431
Stains, varnish	Gallon	[3]	2,413	2,160	[3]	4,712	4,381
Stains, other	do	3,323	3,834	3,534	4,677	4,771	4,541
SOAP							
Total value					**241,875**	**249,219**	**286,756**
Hard soaps	Pound	[2] 2,109,133	[2] 2,219,228	2,250,663	[2] 191,384	[2] 191,458	199,856
Toilet soaps	do	[2] 272,207	[2] 287,696	324,383	[2] 49,387	[2] 53,573	59,983
Soap chips	do	325,043	373,216	387,925	36,284	39,422	41,764
Laundry and foots soap	do	1,444,019	1,502,183	1,487,012	98,247	93,092	93,866
All other hard soaps	do	67,865	56,133	51,343	7,466	5,371	4,243
Granulated and powdered soaps	do	142,322	215,919	337,291	15,790	21,016	35,725
Soap powders, including commodities reported as cleansing and washing powders.	do	547,986	484,464	505,529	25,858	24,024	23,387
Soft soap	do	61,189	79,773	66,141	2,514	4,231	3,951
Liquid soap	do	22,047	24,934	35,263	2,122	3,241	3,497
Shaving soap, cream, and powder					[3]	[3]	10,794
Paste soap	Pound	30,086	30,459	40,526	2,201	2,259	3,010
Special soap articles	do	[4] 22,750	[4] 33,250	6,444	[4] 1,731	[4] 2,643	766
Soap stock or soap base	do	5,382	8,179	4,106	276	347	292
Soaps not reported by kind	do			49,513			5,478
COMPRESSED AND LIQUEFIED GASES							
Total value					**55,532**	**61,864**	**71,293**
Acetylene	Cu. ft.	525,746	682,481	969,534	13,515	16,196	16,554
Hydrogen	do	150,502	103,714	207,843	877	742	1,423
Oxygen	do	2,073,826	2,359,896	3,140,095	22,577	23,987	23,410
Nitrous oxide (laughing gas)	Gallon	54,882	66,392	109,812	729	810	1,196
Other gases					17,834	20,129	28,710

[1] Basis, 16 per cent, available phosphoric acid.
[2] Figures include shaving soap.
[3] Data not reported separately.
[4] Due to a change in classification, figures are not strictly comparable with those for 1929.

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No. 765.—Miscellaneous Industries Involving Chemical Processes: Census Statistics of Products—Continued

Product	Quantity (thousands of unit specified)				Value (thousands of dollars)		
	Unit	1925	1927	1929	1925	1927	1929
DRUGGISTS' PREPARATIONS							
Total value					80,921	108,502	124,989
Caffeine	Pound	322	399	442	1,047	1,178	1,104
Codein	do	6	9	14	702	1,169	1,986
Morphine	do	6	11	8	922	1,391	1,081
Strychnine	do	14	28		122	190	
Nicotine	do	711	790		1,682	2,011	3,858
Other, including quinine and other cinchona alkaloids, and alkaloids not itemized.					1,862	1,215	
Biological products					10,622	18,411	16,850
Tinctures, fluid extracts, medicinal sirups, and other liquid preparations not otherwise accounted for.					30,232	38,612	49,487
Pills, tablets, powders, etc., not otherwise accounted for.					32,554	41,745	46,184
Pharmaceutical metals and their salts					1,176	2,580	4,439
PATENT AND PROPRIETARY MEDICINES							
Total value					174,306	184,073	211,840
For sale to the general public					134,188	140,679	154,899
Ethical specialties (dispensed on prescription).					40,118	43,394	56,941
PATENT AND PROPRIETARY COMPOUNDS							
Total value					72,988	84,132	101,913
Antiseptics					13,842	17,864	21,796
Liquid deodorants	Pound		6,378	10,871		1,517	3,451
Block and crystal deodorants	do		514	1,503	2,719	380	961
Powder deodorants	do		1,672	1,937		347	370
Other deodorants	do		630	638		329	251
Coal-tar disinfectants	do		23,231	21,774		3,825	4,637
Pine oil disinfectants	do		2,897	1,832	5,775	442	427
Chloride of lime and chlorine products	do		1,391	2,836		124	536
Other disinfectants	do		7,284	11,281		1,698	1,731
Germicides					1,306	2,237	2,483
Sprays, fly	Pound		18,408	36,685		6,101	9,323
Insect powder (pyrethrum)	do		2,731	5,542		1,772	2,447
Fluoride powders and mixtures	do		615	701	18,904	310	385
Moth repellants	do		3,680	2,364		1,104	800
Other household insecticides	do		14,197	8,955		3,621	2,123
Agricultural insecticides and fungicides.						8,782	10,340
Disinfectants and household insecticides, not reported by kind.							3,345
All other compounds					30,442	33,679	36,504
PERFUMES, COSMETICS, AND OTHER TOILET PREPARATIONS							
Total value					147,393	178,474	201,689
Perfumes						15,302	19,198
Toilet waters					20,358	8,469	8,264
Creams						29,219	33,347
Rouges					35,549	11,492	12,309
Dentifrices					25,736	30,693	32,464
Hair tonics					9,991	11,639	10,339
Face powders						21,583	24,038
Talcum powders					21,378	8,003	8,344
Other toilet powders						3,097	2,340
All other toilet preparations					34,382	38,979	51,046
ICE, MANUFACTURED							
Total value					187,080	184,400	209,008
Ice:							
Ice industry	Ton	[1] 38,813	[1] 39,058	[1] 44,477	180,782	178,639	204,422
Can ice	do	38,229	38,865	44,404	178,157	177,765	204,127
Plate ice	do	585	193	73	2,625	874	295
Other industries	do	1,350	1,229	991	6,298	5,761	4,586

[1] In addition the following tonnages of ice manufactured in ice-cream establishments were reported by a part of the ice-cream industry only: 1925, 866,456 tons; 1927, 1,309,328 tons; 1929, 740,146 tons.

Source: Bureau of the Census, Department of Commerce.

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No. 766.—PRINTING AND PUBLISHING: CENSUS STATISTICS

Publications	1921	1923	1925	1927	1929
	Value (thousands of dollars)				
Total	**1,808,963**	**2,021,369**	**2,241,095**	**2,473,902**	**2,711,607**
Newspapers and periodicals, printed and published or published only	1,005,270	1,154,786	1,321,611	1,459,688	1,580,565
Newspapers	734,321	803,497	892,094	977,648	1,073,119
Periodicals, other than newspapers	270,949	351,289	429,517	482,040	507,446
Subscriptions and sales	328,283	360,893	398,338	429,467	460,327
Advertising	676,987	793,893	923,273	1,030,221	1,120,238
Newspapers and periodicals, printed for publication by others	35,301	36,893	56,488	54,975	71,521
Books and pamphlets	166,663	178,474	201,708	232,920	257,012
Sheet music and books of music	14,293	14,163	14,133	17,147	16,538
General job printing, composition sold to the trade, ready prints, and paper patterns	587,436	637,053	647,155	709,173	785,971
	Aggregate circulation per issue				
Newspapers and periodicals:					
Daily	32,341,678	35,733,107	38,039,682	42,343,210	42,947,824
Sunday	20,853,355	24,511,693	25,630,056	27,695,859	29,011,648
Triweekly	523,872	431,504	400,730	468,534	311,777
Semiweekly	1,540,206	2,024,683	1,934,095	2,026,760	2,982,184
Weekly	43,521,178	47,860,508	50,815,443	55,985,413	53,378,350
Monthly	83,459,144	91,654,028	111,875,957	120,693,490	133,048,488
Quarterly	21,745,216	22,197,918	22,840,186	21,247,360	20,605,002
All other classes	6,962,012	7,629,173	8,450,308	8,156,399	11,514,355

No. 767.—ENGINES, WATER TURBINES, TRACTORS, AND LOCOMOTIVES

[Value in thousands of dollars]

Class	1921	1923	1925	1927	1929
Total	**242,526**	**407,038**	**310,556**	**367,026**	**464,553**
Steam engines	**30,357**	**26,765**	**24,411**	**22,573**	**32,415**
Reciprocating marine	5,916	1,170	636	1,703	5,137
Reciprocating stationary and portable	8,775	12,882	7,962	5,406	
Stationary turbines	12,342	10,328	14,055	14,499	27,278
Marine turbines	2,321	[1]	[1]	965	
Not reported as to type	1,003	2,385	1,758		
Internal-combustion engines (not including tractors)	**74,699**	**110,752**	**117,894**	**141,161**	**166,633**
Diesel and semi-Diesel type—					
Marine	8,273	14,013	7,353	7,062	11,430
Other			15,875	13,347	15,369
Other internal-combustion engines—					
Marine—					
Stationary	7,604	8,492	8,833	7,370	7,111
Detachable			2,561	5,553	7,852
Motor vehicle [2]	31,005	[3] 59,074	[3] 55,624	63,636	50,654
Other stationary and portable	[4] 27,817	29,173	27,648	34,699	49,251
Aircraft engines [5]				9,494	24,966
Tractors and traction engines	**53,169**	**78,320**	**102,905**	**136,950**	**196,997**
Tractors, internal-combustion	53,169	76,427	102,647	136,837	196,953
Traction engines, steam		1,893	258	113	44
Tractor trucks (semitractors)			[6]	2,172	
Water turbines	[7] 4,624	6,732	5,338	5,441	5,028
Engines and turbines not specified as to kind of power			[8] 13,707	414	675
Locomotives, steam	79,677	184,469	46,301	58,315	62,805

[1] No data.
[2] Excluding engines built for installation in motor vehicles manufactured in the same establishments.
[3] Includes some aviation engines for 1923 and 1925 and a few motor-cycle engines for 1923.
[4] Includes data for motor-cycle and aviation engines.
[5] Excluding engines built for installation in aircraft manufactured in the same establishment. Data prior to 1927 included with motor vehicle and other stationary and portable engines (see footnotes 3 and 4).
[6] Reported with "Engines and turbines," etc., to avoid disclosing operations of individual establishments.
[7] Includes data for a small number of water motors not reported separately.
[8] Reported as secondary products by establishments in other industries; tractor trucks also included.

Source of Tables 766 and 767: Bureau of the Census, Department of Commerce.

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No. 768.—METAL-WORKING MACHINERY (INCLUDING MACHINE TOOLS): PRODUCTION [1]

NOTE.—This table includes data for all establishments reporting the production of metal-working machinery, both as a primary and a secondary product

Kind	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
Metal-working machinery, total value	------	------	------	138,812	144,758	236,396
Machine tools	------	------	------	91,459	105,555	186,061
Metal-working machinery, other than machine tools	------	------	------	47,353	39,201	50,335
Machine tools:						
Bending machines	807	2,114	2,680	642	1,085	1,584
Boring machines	802	598	689	3,032	3,352	6,925
Broaching machines	435	255	259	540	372	397
Cutting-off machines	1,786	2,056	3,185	497	602	1,205
Drilling machines	(2)	(2)	(2)	7,046	7,745	17,295
Forging machines	85	738	950	779	2,481	3,067
Gear-cutting machines	1,271	1,267	2,216	4,258	4,417	8,980
Grinding machines	(2)	(2)	(2)	10,734	12,250	23,554
Hammers, stationary	855	324	(2)	829	560	1,595
Lathes and screw machines (automatic)	(2)	12,877	24,469	22,264	23,959	49,554
Milling machines	(2)	2,978	5,667	6,489	8,545	16,857
Pipe cutting and threading machines	2,637	2,281	2,933	1,305	1,344	1,756
Planers	193	196	268	1,105	1,867	2,517
Portable tools	(2)	(2)	(2)	11,896	15,255	15,499
Presses	(2)	(2)	(2)	7,995	8,054	9,792
Punching machines (stationary)	1,034	638	330	1,910	862	1,112
Riveting machines (stationary)	(2)	1,368	800	687	673	192
Shapers	1,125	986	1,813	1,615	1,629	3,177
Shears (power)	1,892	1,771	(2)	1,351	1,308	2,119
Slotters	62	36	156	405	182	409
Threading machines (excepting pipe)	(2)	(2)	(2)	839	1,613	2,792
All other machine tools	(2)	(2)	(2)	5,241	7,399	15,684
Metal-working machinery, other than machine tools:						
Rolling-mill machines	(2)	(2)	(2)	15,001	14,308	19,617
Sheet-metal working machines	(2)	(2)	(2)	17,468	17,545	23,139
Wire-drawing machines	(2)	(2)	(2)	670	1,504	1,619
Rod and wire-working machinery	(2)	(2)	(2)	14,214	5,844	4,977
Other metal-working machines	(2)	(2)	(2)			1,883

[1] Data for 1925 are not strictly comparable with those for 1927 and 1929.
[2] Data incomplete.

Source: Bureau of the Census, Department of Commerce.

No. 769.—MACHINERY: VALUE OF THE PRINCIPAL CLASSES MANUFACTURED

NOTE.—**Values in thousands of dollars.** The various classes of machinery listed are products of a number of industries, such as "foundry and machine-shop products," "agricultural implements," "aircraft," "cash registers, adding and calculating machines," "dairymen's, poultrymen's, and apiarists' supplies," "electrical machinery, apparatus, and supplies," etc. This table is not an industry presentation, but a special presentation giving value of products for groups designated. The values are in part duplicated in other tables in this abstract, such as Tables 767, 768, 770, and 771

Class	1921	1923	1925	1927	1929
Agricultural machinery	(1)	82,130	93,222	129,595	167,673
Aircraft	5,099	9,077	8,102	14,505	51,508
Bakers' machinery and equipment	10,560	14,451	17,212	20,015	21,730
Blowers and fans	12,518	14,386	16,210	20,433	25,243
Bottling machinery	6,642	5,969	10,139	11,584	11,082
Clay-working machinery (brick, pottery, etc.)	3,772	5,508	5,298	4,308	4,402
Canning machinery	5,139	9,691	9,766	7,339	8,535
Cars and trucks, industrial and mining	(1)	17,919	24,267	21,741	26,886
Cash registers, adding and calculating machines, and parts	(1)	(1)	93,615	100,603	106,217
Cement and concrete machinery:					
Cement-making machinery	(1)	(1)	4,146	4,619	4,387
Cement and concrete-block machinery	(1)	(1)	1,461	656	1,147
Concrete mixers	(1)	13,602	12,620	12,674	11,405
Other cement and concrete machinery	(1)	(1)	5,604	2,584	2,985
Condensers	(1)	4,588	4,938	5,899	4,386
Confectionery and ice-cream machinery	5,157	5,029	5,143	5,682	3,674

Footnotes at end of table.

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No. 769.—Machinery: Value of the Principal Classes Manufactured—Continued

[Values in thousands of dollars]

Class	1921	1923	1925	1927	1929
Conveying machinery:					
Bucket type	(1)	(1)	(1)	10,726	9,387
Belt type	(1)	(1)	(1)	10,520	14,206
Other	(1)	(1)	(1)	12,282	24,945
Cotton gins	2,721	7,175	12,808	9,543	11,760
Cranes (including hoists and derricks)	20,445	42,197	43,936	44,454	57,840
Dairy, cheese-factory, and butter-factory machinery	17,759	16,486	15,177	16,536	16,593
Dredging and excavating machinery:					
Power shovels	12,858	23,684	26,609	32,106	43,348
Other	4,991	16,622	19,232	19,776	17,397
Electrical machinery	89,800	128,384	202,146	203,995	253,594
Elevators and elevator machinery	40,931	52,516	47,430	43,152	44,044
Engines (steam or internal-combustion), tractors, and water wheels [2]	162,849	222,569	264,255	306,539	401,748
Flour-mill and grain-mill machinery	8,663	9,084	7,946	7,967	8,286
Gas machines and apparatus	(1)	(1)	6,242	5,082	5,408
Glass-making machinery	4,088	2,651	2,666	3,085	3,688
Hydraulic machinery (other than for dredging)	(1)	2,516	4,938	2,906	10,082
Laundry machinery	12,983	19,077	24,198	27,204	28,893
Lawn mowers	6,401	8,258	8,047	9,269	10,953
Leather-working machinery, other than shoe	2,526	2,575	2,222	2,000	1,249
Locomotives (steam, electric, internal-combustion)	90,111	194,673	58,359	70,508	82,909
Machine tools	(1)	89,964	91,459	105,555	186,061
Metal-working machinery, other than machine tools	(1)	(1)	47,353	39,201	50,336
Meters, gas and water	18,181	23,397	24,502	24,978	25,694
Mining machinery, other than oil-well	30,290	47,590	34,827	35,259	40,325
Motor cycles and bicycles	12,710	20,752	15,906	13,804	13,727
Motor vehicles, except motor cycles	1,326,120	2,611,735	2,946,821	2,540,714	3,412,056
Oil-mill machinery, cottonseed, and other	1,472	3,037	4,132	4,697	2,533
Oil-well machinery	27,415	52,158	47,299	62,126	89,067
Ore crushers	3,322	4,862	3,252	2,893	(3)
Packing-house machinery	4,133	5,441	5,370	5,577	6,663
Paper-mill and pulp-mill machinery	[4] 31,581	18,736	21,209	27,098	30,456
Pneumatic machinery (other than pneumatic tools):					
Air compressors	15,729	27,762	29,473	29,319	39,683
Other pneumatic machinery	(1)	(1)	(1)	(1)	1,691
Printing machinery	54,870	68,630	68,055	53,240	64,860
Pumps (hand and power) and pumping equipment	[5] 69,255	[5] 92,815	121,299	129,127	144,947
Refrigerating and ice-making machinery	33,174	36,542	62,593	112,141	167,149
Road-making machinery	17,858	24,264	26,297	27,728	30,694
Rubber-working machinery	8,003	6,849	10,164	9,951	13,552
Scales and balances	15,885	21,836	23,691	22,166	25,385
Sewing machines, cabinets, attachments, and parts	[6] 35,608	[6] 42,993	[6] 45,131	34,925	40,960
Shoe machinery	9,482	10,663	11,769	12,334	12,317
Slot-vending machines	2,466	3,777	4,202	7,059	8,821
Stokers, mechanical	7,161	14,095	9,420	10,213	14,054
Sugar-mill machinery	12,075	9,112	8,643	6,601	5,046
Textile machinery and parts	115,167	127,406	109,354	102,200	115,525
Transmission machinery	(1)	11,359	15,350	18,246	26,787
Typewriters (new and rebuilt)	[7] 31,972	[7] 39,521	[7] 50,190	51,942	55,057
Vacuum cleaners (electric)	21,726	36,870	40,285	36,972	[8] 35,108
Washing machines, clothes wringers, driers, and ironing machines for domestic use	32,444	57,551	70,761	69,140	79,011
Well-drilling machinery, other than oil-well	1,353	1,074	1,843	1,545	1,463
Windmills and windmill towers	3,953	4,636	5,682	4,555	5,411
Woodworking machinery	25,682	44,447	39,620	29,569	35,151

[1] No comparable data.
[2] Excluding steam boilers made for sale as separate units.
[3] The value is withheld from publication in order to avoid disclosing data for individual establishments.
[4] Includes machinery used for converting paper into boxes, bags, etc., for 1921, but not for other years.
[5] Not strictly comparable with later years; includes power pumps and equipment only.
[6] Figures include sewing machine cases made for sale as such.
[7] Figures not strictly comparable with later years which include value of parts.
[8] Figures include both electric and other vacuum cleaners.

Source: Bureau of the Census, Department of Commerce.

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No. 770.—ELECTRICAL MACHINERY, APPARATUS, AND SUPPLIES: VALUE OF PRODUCTS, BY CLASSES

[All figures except number, kilovolt-amperes, and kilowatts in thousands of dollars]

Product	1921	1923	1925	1927	1929
Total value	809,590	1,278,700	1,549,018	1,668,105	2,334,246
Generators (not specified elsewhere):					
Direct current—					
Number	5,691	10,308	15,972	16,559	9,587
Kilowatts (thousands)	185	[1]	246	201	101
Value	2,923	4,235	5,317	4,503	2,500
Alternating current—					
Number					2,360
Kilovolt-amperes (thousands)					3,869
Value	1,687	1,975	2,098	2,856	19,325
Synchronous condensers and frequency changers—	2,994	[1]	3,674	3,632	
Number	15,513	18,508	17,899	18,335	203
Kilovolt-amperes (thousands)					752,179
Value					4,241
Automotive generators for battery charging	27,443	54,007	56,221	58,128	28,210
Automotive starter motors					32,849
Self-contained power and lighting outfits	4,043	7,685	11,143	8,239	6,840
Transformers, induction-voltage regulators, and current-limiting reactors	42,103	59,115	62,153	66,804	77,825
Motor-generator sets and dynamotors	6,311	7,305	8,264	6,764	13,397
Control apparatus, railway, vehicle, motor, and other	19,551	33,177	31,303	34,181	44,289
Electric locomotives (mining, industrial, and railway)	9,397	8,865	10,331	9,858	17,706
Stationary motors (not fan), total	58,078	84,778	92,648	97,673	136,035
Fractional horsepower	16,907	23,939	28,249	33,903	51,252
One horsepower and over—					
Direct current	9,358	13,865	15,797	15,628	22,619
Alternating current	31,814	46,973	48,602	48,142	60,711
Not reported as direct or alternating					1,453
Electric fans	7,251	9,583	10,654	10,352	10,196
Storage batteries, parts and supplies	48,558	92,843	110,212	97,808	109,601
Primary batteries	14,609	21,446	40,982	46,283	40,334
Primary battery parts and supplies	3,716	3,776	4,054	6,298	
Carbons: Electrodes for lighting and furnaces, brushes, and specialties	5,528	14,746	13,955	14,364	17,049
Incandescent lamps	59,728	71,966	73,558	87,933	85,320
Telegraph apparatus	244	2,086	2,922	5,561	166,293
Telephone apparatus	101,992	92,398	81,510	115,452	
Fire-alarm apparatus	2,404	2,640	3,490	3,611	4,030
Radio apparatus, including tubes	10,648	29,679	150,046	149,658	411,637
Household apparatus and appliances:					
Vacuum cleaners, portable	19,753	35,982	39,971	36,222	35,108
Flatirons	4,731	8,199	7,998	7,917	8,018
Cooking utensils	3,164	5,486	7,921	11,668	13,341
Ranges, disk stoves, and hot plates	[2] 1,795	3,677	7,901	12,119	16,933
Airheaters, radiant and convertor type	1,151	1,862	2,028	1,439	1,833
Electric-measuring instruments	[1]	26,959	29,678	33,272	36,813
Switchboards, panel boards, cabinets, circuit breakers, and switches	36,299	57,856	69,759	71,924	81,201
Magneto-generators	4,065	10,304	9,930	9,016	14,461
Spark plugs	10,013	13,660	13,878	13,372	20,244
Coils	6,511	7,868	7,837	8,467	9,502
Insulated wires and cables	98,333	184,472	210,617	210,048	312,592
Searchlights and floodlights	[1]	[1]	1,263	3,217	3,876
Railway signals and attachments	1,620	4,466	14,030	22,340	22,572
Fuses, cut-outs and fuse plugs	4,483	9,245	10,393	10,891	14,036
Wiring devices	21,806	34,966	34,806	32,703	38,395
Lightning arresters and choke coils	2,044	3,834	5,961	6,327	6,515
Electric-railway line materials	2,691	8,796	4,240	5,446	3,261
Conduits, interior	[3] 19,346	[3] 37,500	45,785	41,717	56,270
Electric-signaling apparatus (other than railway)	6,444	7,142	5,081	6,365	8,218
All other	125,301	197,588	233,279	281,830	403,380

[1] No comparable data.
[2] Reported as "ranges" in 1921.
[3] Not strictly comparable with data for 1925 to 1929 includes underground conduits.

Source: Bureau of the Census, Department of Commerce.

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No. 771.—FARM EQUIPMENT: PRODUCTION

NOTE.—For all wagons, see Table 773; for all tractors, see Table 767

Class	Number				Value (thousands of dollars)			
	1928	1929	1930	1931	1928	1929	1930	1931
All products, total value					524,255	606,622	507,002	214,391
Plows and listers					32,159	42,365	37,830	12,084
Moldboard plows	552,107	656,859	501,743	[1] 173,601	15,512	20,346	15,754	[1] 3,715
Disk plows	25,952	46,504	38,106	9,406	3,119	7,145	6,263	1,573
Listers	38,645	[2] 48,576	60,157	11,539	1,646	[2] 2,085	2,898	568
Other plows	16,268	18,622	6,726	8,877	2,396	1,136	389	223
Attachments and parts, incl. plow stocks and steel plow shapes					9,486	11,653	12,526	6,005
Harrows, rollers, pulverizers, and stalk cutters					14,687	16,813	13,815	5,868
Disk harrows	134,127	138,849	113,764	46,853	7,491	8,712	7,377	3,070
Spike-tooth harrow sections	283,612	339,192	275,677	102,838	1,963	2,307	1,968	727
Spring-tooth harrow sections	133,029	126,306	104,159	44,018	1,509	1,445	1,175	491
Stalk cutters	10,456	11,696	11,487	2,297	396	439	415	86
Other, incl. attachments and parts					3,328	3,910	2,880	1,494
Planting and fertilizing machinery					26,505	31,145	26,087	10,862
Corn planters, one and two row	59,569	74,778	64,595	35,926	2,775	3,425	3,214	1,727
Combined corn and cotton planters	45,715	93,959	95,438	15,383	1,048	2,565	2,671	508
Combined listers and drills	5,289	7,004	15,323	2,031	430	604	951	140
Grain drills	73,434	70,408	46,796	11,380	8,736	10,035	6,480	1,420
Broadcast seeders	72,275	[3] 14,081	72,654	51,323	618	[3] 350	546	296
Manure spreaders	62,559	61,000	47,722	19,707	7,364	7,190	5,525	2,102
Other, incl. attachments and parts					5,534	6,976	6,700	4,669
Cultivators and weeders					15,864	22,857	21,892	8,595
1-horse	159,173	202,755	156,134	57,999	834	979	756	296
1-row	129,379	166,948	139,808	49,324	4,730	5,906	4,918	1,715
2-row	37,567	54,505	44,659	10,405	3,191	4,487	3,684	874
Hand cultivators (wheeled hoes)	133,214	153,434	171,213	160,360	413	459	500	429
Other cultivators and weeders	93,108	120,476	151,846	55,108	4,013	6,249	8,134	3,145
Attachments and parts					2,683	4,777	3,900	2,136
Harvesting machinery					67,291	87,713	62,145	19,955
Grain binders	67,099	65,069	[4] 46,166	15,356	10,610	10,661	[4] 7,787	2,451
Combines (harvester—thresher)	25,392	36,957	24,409	5,907	35,693	50,684	32,739	9,194
Corn binders	21,174	15,246	13,566	[5]	2,943	2,142	1,922	[5]
Potato diggers	19,930	12,767	10,055	4,700	1,290	789	723	335
Other harvesting machinery	27,213	32,434	25,112	13,713	5,456	5,398	6,651	2,904
Attachments and parts					11,299	18,039	12,323	5,071
Haying machinery					16,058	18,711	17,186	7,089
Mowers	121,935	126,360	117,601	43,312	6,503	7,050	6,466	2,378
Rakes	87,644	98,870	82,892	[5] 27,459	3,647	4,121	3,397	[5] 1,011
Loaders	24,895	24,920	28,222	10,042	2,034	1,991	2,277	828
Other haying machinery	9,028	11,113	16,730	9,433	479	612	1,296	562
Attachments and parts					3,395	4,937	3,750	2,310
Machines for preparing crops for market or use					33,466	30,103	20,760	12,048
Threshers	19,261	14,571	9,090	4,451	16,861	12,774	7,114	3,371
Ensilage and fodder cutters	14,740	11,530	9,811	5,123	2,099	1,768	1,454	637
Corn shellers	48,915	40,378	32,517	16,853	1,493	1,573	897	540
Corn huskers and shredders	1,423	972	599	631	711	460	266	293
Hay presses	3,674	3,460	3,068	1,627	1,082	1,106	1,065	588
Feed grinders and crushers	101,335	101,592	69,564	44,538	2,540	3,215	2,896	2,847
Other machines	163,336	108,638	69,725	33,402	1,705	2,483	1,516	1,189
Attachments and parts					6,975	6,724	5,236	2,583
Tractors					191,978	227,633	205,657	75,573
Wheeled types	152,266	195,980	176,075	61,940	113,876	141,653	123,291	42,602
Tracklaying type, all sizes	19,203	27,101	20,222	7,089	48,211	53,602	48,242	13,316
Garden tractors	4,465	5,895	6,161	2,675	822	908	1,102	590
Attachments and parts					29,070	31,470	33,022	19,065
Horse-drawn vehicles					9,974	8,813	4,948	1,977
Farm wagons	57,081	40,687	24,243	10,316	4,946	3,790	2,073	755
Farm trucks	62,889	60,969	39,746	16,043	2,521	2,518	1,585	623
Buggies	4,269	2,589	1,462	491	403	222	138	39
All other (incl. 2-wheeled carts)	12,587	10,022	3,582	1,854	260	251	117	54
Attachments and parts					1,844	2,032	1,035	506
Miscellaneous equipment					116,273	120,469	96,682	60,340
Stalls, stanchions, and stock pens					2,877	3,125	2,582	1,400
Stock tanks and waterers	353,583	361,026	317,797	204,406	2,022	2,087	1,988	1,174
Cream separators (hand)	[6] 203,857	[6] 172,187	105,553	64,426	[6] 9,673	[6] 7,695	4,709	2,372
Internal-combustion engines	140,833	146,690	92,948	38,072	9,016	9,134	5,338	2,479
Windmills and windmill towers	149,923	132,166	94,061	46,663	5,573	5,411	3,554	1,652
Other, incl. attachments and parts					87,112	93,017	[6] 78,511	[6] 51,263

[1] Excludes 3-bottom and larger horse-drawn plows; included with "Other plows."
[2] Excludes 2-bottom tractor-drawn listers; included with "Other plows."
[3] Wheelbarrow and other hand broadcast seeders included with "Other."
[4] Includes rice binders.
[5] "Corn binders" and "Combination side-rakes and tedders" included with "Other harvesting machinery" and "Other haying machinery," respectively, to avoid disclosing operations of individual establishments.
[6] Includes power cream separators.

Source: Bureau of the Census, Department of Commerce.

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No. 772.—MUSICAL INSTRUMENTS AND PHONOGRAPHS: PRODUCTION

Product	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
MUSICAL INSTRUMENTS AND MATERIALS						
Musical instruments, parts, and materials, all industries, total value				164,932	127,351	76,829
Made in the musical instruments industries				164,819	125,901	73,083
Made as secondary products in other industries				113	1,450	3,747
Pianos:						
Upright	87,285	69,864	40,039	16,874	12,262	7,870
Upright, player	143,831	76,447	17,336	38,167	20,028	4,116
Upright, player, reproducing type	5,476	4,096	1,445	2,193	1,420	460
Grand—						
Baby	40,357	43,772	36,929	16,244	17,541	12,851
Baby, player	12,884	7,713	6,289	8,359	5,856	2,832
Parlor	9,170	8,757	7,767	5,433	5,320	4,160
Parlor, player	2,699	1,224	2,207	3,631	1,726	2,165
Concert	579	293	234	453	290	155
Automatic and electric	4,303	5,974	[1] 9,727	2,323	2,768	[1] 3,389
Organs:						
Pipe	1,955	2,471	1,799	12,808	16,782	11,153
Reed	4,360	3,091	2,703	442	385	375
Wind instruments:						
Brass			104,790	8,846	6,550	4,545
Wood			23,906	632	1,845	999
Stringed instruments				5,859	4,201	3,067
Percussion and other instruments (chimes, bells, xylophones, drums, traps, etc.)				2,886	2,715	2,913
Piano and organ parts and materials for sale as such:						
Pneumatic player actions for installation in player pianos and cabinet player attachments			[2] 50,606	14,782	6,608	[2] 2,779
Other piano parts and materials				15,223	13,847	6,517
Organ parts and materials				[3] 1,842	[3] 1,810	1,095
Perforated music rolls				6,068	3,217	2,556
Parts and materials for musical instruments other than pianos and organs				1,867	2,180	2,830
PHONOGRAPHS						
Phonographs, including dictating machines, combination phonographs and radios, and parts and accessories, all industries, total value				59,329	94,224	86,597
Made in the phonograph industry				55,726	91,135	77,709
Made as secondary products in other industries				3,603	3,089	8,888
	Thousands	*Thousands*	*Thousands*			
Phonographs, all types	642	1,046	755	22,614	49,242	43,027
Records and blanks	82,125	105,701	105,085	26,791	31,781	34,129
Needles, parts, and accessories				6,321	10,112	9,442
Phonographs and parts, undistributed				3,603	3,089	

[1] Includes data for a few pianos not reported as to kind.
[2] No cabinet player attachments were reported in 1929.
[3] Includes the value of a small number of orchestrions not called for on schedule for 1929.

Source: Bureau of the Census, Department of Commerce.

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No. 773.—VEHICLES AND AIRCRAFT; PRODUCTION

Product	Number			Value (thousands of dollars)		
	1925	1927	1929	1925	1927	1929
MOTOR VEHICLES INCLUDING CHASSIS AND TRAILERS						
Total	4,177,897	3,355,772	5,316,493	2,951,758	2,547,926	3,422,872
Passenger vehicles	3,581,240	2,826,274	4,388,315	2,527,575	2,175,545	2,825,701
Touring, open	1,095,186	211,278	146,444	516,206	113,305	78,293
Roadsters, runabouts, and sport (speedsters), open	390,062	197,880	298,401	180,845	116,100	151,109
Closed	2,080,697	2,407,160	3,916,783	1,786,834	1,917,344	2,537,350
Public conveyances (cabs, etc.)	15,295	8,968	26,100	43,690	27,982	58,361
All other		988	587		814	588
Government and municipal vehicles	1,233	1,599	1,960	10,488	11,521	10,156
Business vehicles	341,811	329,673	391,593	287,243	258,404	277,352
Delivery cars	35,976	60,981	124,414	24,080	33,883	64,229
Trucks	303,824	266,492	261,523	257,804	220,050	205,772
All other	2,011	2,200	5,656	5,359	4,471	7,351
Chassis	240,790	178,487	512,219	121,516	95,244	298,847
Passenger	87,780	56,074	76,401	39,919	27,156	32,398
Business	153,010	122,413	435,818	81,597	68,088	266,449
Trailers	12,823	19,739	22,406	4,937	7,212	10,816
MOTOR CYCLES, BICYLCES, AND PARTS						
Total value				23,501	19,402	21,198
Motor cycles	39,350	35,197	31,912	8,876	8,001	7,543
Bicycles	303,446	255,456	307,845	7,031	5,803	6,184
Parts, including value of motorcycle side cars				7,594	5,598	7,472
CARS, STEAM AND ELECTRIC RAILROAD [1]						
Total value				386,383	332,270	347,396
Steam:						
Passenger (day coaches only)	532	967	342	11,991	22,621	6,817
Sleeping, baggage, express, etc., in passenger service	1,604	1,054	1,169	43,242	30,790	35,058
Box	49,230	19,645	34,168	101,024	45,319	80,989
Flat	2,306	1,656	2,845	3,225	2,838	5,150
Gondolas	21,402	10,479	12,644	42,002	20,023	29,401
Hopper	3,243	8,734	10,132	5,870	19,917	24,682
Refrigerator	4,704	9,004	5,165	14,741	25,633	20,031
Stock	3,310	1,016	2,469	5,877	1,882	4,744
Tank	5,396	5,455	3,290	10,702	10,449	6,140
Other varieties	8,503	13,026	15,530	15,887	27,516	29,440
Electric:						
Passenger	1,798	1,226	513	19,605	18,918	6,350
Other varieties	89	167	38	453	1,754	266
All other products, including, cars not reported by service, kind, or number, and repairs				111,764	104,611	98,329
CARRIAGES AND WAGONS						
Total value				23,814	15,413	14,633
Horse-drawn vehicles:						
Farm wagons and trucks	171,783	99,088	101,656	13,114	6,354	6,308
Business wagons, public conveyances, etc.	24,245	13,192	4,122	4,960	4,593	[2] 3,879
Carriages, buggies, and sulkies	21,545	7,633	3,597	1,981	687	347
Other conveyances	5,884	9,781	7,114	255	330	[3] 271
Handcarts and pushcarts	12,651	9,640	14,132	121	135	268
Wheelbarrows				3,383	3,314	3,560
AIRCRAFT						
Total value				12,626	20,950	70,334
Airplanes	711	1,888	6,522	5,908	12,225	46,848
Seaplanes	78	107	109	765	2,280	4,660
Under construction at close of year	259			1,429		
Parts and engines for sale as such				4,524	6,445	10,961
All other products, including repairs						7,865

[1] Not including cars built or repair work done by railroad companies.
[2] Includes $414,000 representing value (chiefly of lunch wagons) for which number was not reported.
[3] Includes $17,000, value for which number was not reported.

Source: Bureau of the Census, Department of Commerce.

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No. 774.—COTTON SPINDLES, COTTON CONSUMPTION, AND STOCKS

NOTE.—The statistics for 1915 to 1931 relate to the 12 months ended July 31 and those for prior years to the 12 months ended Aug. 31. South refers to cotton growing States. Consumption is expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton in all years are in equivalent 500-pound bales. The number of active spindles represents spindles operated for any time, however short, during the year, and is therefore an unsatisfactory measure of activity of the industry

Year	Cotton spindles (thousands)					Spindles using cotton with other fibers (thousands)	Cotton consumed, excluding linters [1] (thousands of bales)			
	Total in place	Active					Total	The South	New England	Other States
		Total	The South	New England	Other States					
1840	[2]	2,285	181	1,597	506	[2]	237	71	159	7
1850	[2]	3,998	265	2,959	775	[2]	576	78	431	67
1860	[2]	5,236	324	3,859	1,053	[2]	845	94	567	184
1870	[2]	7,132	328	5,498	1,306	[2]	797	69	551	177
1880	[2]	[3] 10,653	[3] 561	[3] 8,632	[3] 1,460	[2]	[3] 1,570	[3] 189	[3] 1,129	[3] 252
1890	[2]	14,384	1,570	10,934	1,880	[2]	2,518	539	1,502	477
1900	[2]	19,472	4,368	13,171	1,933	[2]	3,873	1,523	1,909	440
1905	[2]	23,687	7,631	14,203	1,853	[2]	[4] 4,279	[4] 2,140	[4] 1,753	[4] 386
1910	28,929	28,267	10,494	15,735	2,038	[2]	4,622	2,234	1,995	393
1914	32,744	32,108	12,711	17,408	1,988	414	5,577	2,925	2,219	433
1915	32,841	31,964	12,956	17,101	1,908	395	5,597	3,027	2,149	421
1916	33,333	32,806	13,382	17,474	1,950	405	6,398	3,528	2,389	481
1917	34,221	33,889	14,156	17,761	1,972	453	6,789	3,888	2,415	486
1918	34,941	34,543	14,529	17,985	2,029	447	6,566	3,697	2,402	467
1919	35,443	34,931	14,846	18,066	2,019	429	5,766	3,199	2,165	402
1920	35,834	35,481	15,231	18,287	1,963	402	6,420	3,583	2,397	440
1921	36,618	36,047	15,709	18,388	1,951	336	4,893	2,997	1,614	282
1922	36,946	35,708	15,906	17,939	1,863	314	5,910	3,730	1,823	357
1923	37,409	36,260	16,310	18,054	1,896	289	6,666	4,248	2,049	369
1924	37,804	35,849	16,944	17,066	1,839	258	5,681	3,858	1,535	288
1925	37,929	35,032	17,292	15,975	1,765	251	6,193	4,220	1,639	334
1926	37,586	34,750	17,574	15,526	1,650	243	6,456	4,500	1,628	328
1927	36,696	34,410	17,894	14,995	1,521	235	7,190	5,194	1,675	321
1928	35,540	33,570	18,282	13,815	1,473	232	6,834	5,114	1,438	282
1929	34,820	32,417	18,541	12,537	1,339	207	7,091	5,392	1,448	251
1930	34,025	31,245	18,586	11,351	1,308	177	6,106	4,749	1,143	214
1931	32,673	28,980	18,073	9,655	1,251	117	5,263	4,148	937	179

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Total, excluding linters	Domestic			Foreign	Linters	Total, excluding linters	Domestic	Foreign	Linters
		Total	Upland	Sea Island						
1906–1910	[5] 4,829	[5] 4,680	[6] 4,595	[6] 62	149	[7] 163	[5] 731	[5] 673	58	[7] 39
1911–1915	5,257	5,051	4,976	75	206	293	822	738	84	86
1916–1920	6,388	6,105	6,034	71	282	734	1,452	1,352	100	179
1921–1925	5,869	5,577	5,568	9	292	599	1,003	911	92	139
1926–1930	6,735	6,434	6,433	1	301	815	1,150	1,050	100	186
1914	5,577	5,383	5,301	82	194	307	676	612	64	75
1915	5,597	5,375	5,296	79	222	412	1,401	1,292	109	199
1916	6,398	6,080	5,998	83	317	881	1,632	1,490	143	100
1917	6,789	6,470	6,376	94	318	870	1,502	1,408	94	113
1918	6,566	6,382	6,297	86	184	1,119	1,465	1,403	63	138
1919	5,766	5,590	5,539	51	176	458	1,303	1,253	51	267
1920	6,420	6,003	5,960	43	417	342	1,358	1,208	150	277
1921	4,893	4,677	4,658	19	216	516	1,111	1,021	90	201
1922	5,910	5,613	5,604	9	297	639	1,218	1,127	91	139
1923	6,666	6,322	6,316	6	344	646	1,100	981	118	127
1924	5,681	5,353	5,348	5	328	537	722	638	84	101
1925	6,193	5,917	5,914	4	276	659	866	787	79	129
1926	6,456	6,176	6,174	2	280	804	1,097	1,011	86	144
1927	7,190	6,880	6,879	1	310	806	1,405	1,325	80	199
1928	6,834	6,535	6,534	1	299	780	1,012	935	77	159
1929	7,091	6,778	6,777	1	313	879	1,052	932	120	187
1930	6,106	5,804	5,803	1	302	805	1,183	1,048	135	239
1931	5,263	5,084	5,083	1	179	714	996	922	74	254

[1] Includes linters for 1840 to 1905.
[2] Figures not available.
[3] Cotton mills only.
[4] Does not include foreign cotton.
[5] Includes linters for 1906 to 1908.
[6] Average, 1907 to 1910.
[7] Average, 1909 and 1910.

Source: Bureau of the Census, Department of Commerce.

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No. 775.—COTTON SPINDLE ACTIVITY AND CONSUMPTION, BY STATES

NOTE.—All data except the 1911-1915 average, which represents years ended Aug. 31, are for years ended July 31. Consumption includes both domestic and foreign cotton

Section and State	Cotton spindles in place (thousands)			Spindle hours (millions)			Cotton consumed, excluding linters (thousands of bales)				
	1929	1930	1931	1928-29	1929-30	1930-31	1911-1915 average	1926-1930 average	1928-29	1929-30	1930-31
United States	**34,820**	**34,025**	**32,673**	**99,604**	**87,515**	**75,264**	**5,257**	**6,735**	**7,091**	**6,106**	**5,263**
The South	18,848	19,122	19,109	68,361	61,878	54,483	2,740	4,990	5,392	4,749	4,147
New England	14,549	13,479	12,168	28,253	23,038	18,757	2,101	1,466	1,447	1,143	937
Other States	1,423	1,424	1,396	2,991	2,598	2,024	416	279	251	214	179
Alabama	1,805	1,862	1,854	6,036	5,833	5,323	275	563	617	584	520
Connecticut	1,105	1,090	1,074	2,736	2,219	1,926	127	101	110	90	75
Georgia	3,125	3,240	3,247	11,319	10,096	8,819	589	1,139	1,270	1,090	930
Maine	1,059	1,036	1,010	1,964	1,899	1,823	170	126	122	114	105
Massachusetts	8,587	7,828	6,693	15,698	13,212	10,181	1,269	823	779	627	491
New Hampshire	1,391	1,302	1,232	2,501	2,265	2,055	292	208	206	169	160
New Jersey	381	371	373	644	620	370	56	36	32	31	26
New York	688	696	665	1,560	1,257	1,009	199	139	128	101	84
North Carolina	6,223	6,229	6,231	22,143	19,208	16,681	840	1,534	1,631	1,421	1,252
Pennsylvania	98	98	98	185	177	182	48	23	18	17	15
Rhode Island	2,290	2,105	2,041	5,049	3,188	2,552	232	199	219	133	98
South Carolina	5,586	5,676	5,685	22,559	20,610	18,589	743	1,196	1,301	1,124	1,016
Tennessee	617	613	620	2,350	2,308	2,107	74	157	176	169	150
Virginia	709	688	679	1,585	1,826	1,367	85	120	106	120	96
All other States	1,156	1,190	1,171	3,276	2,789	2,280	258	371	374	315	245

Source: Bureau of the Census, Department of Commerce.

No. 776.—EXPLOSIVES: AMOUNTS (EXCLUDING EXPORTS) MANUFACTURED AND SOLD, CALENDAR YEARS

NOTE.—**Black blasting powder in thousands of kegs of 25 pounds each; other figures in thousands of pounds.** "Permissible" explosives are those approved by the Bureau of Mines as suitable for use in coal mines

Kind and use	1923	1924	1925	1926	1927	1928	1929	1930	1931
Black blasting powder	**8,078**	**6,683**	**6,279**	**6,307**	**5,268**	**4,870**	**4,802**	**3 995**	**3,193**
Railway and other construction work	370	341	382	301	249	317	275	289	303
Coal mining	7,020	5,625	5,297	5,444	4,503	4,036	4,082	3,427	2,711
Metal mining [1]			138	114	86	84	91	56	46
Quarrying and nonmetallic mineral mining [1]			240	236	231	202	183	153	114
Other mining	175	144							
All other purposes	513	572	221	212	199	231	170	70	20
High explosives other than "permissible"	**267,405**	**273,323**	**286,435**	**310,518**	**303,468**	**292,785**	**326,993**	**291,391**	**216,157**
Railway and other construction work	31,930	40,647	39,916	44,982	48,253	50,767	60,060	78,362	74,964
Coal mining	37,829	36,608	26,947	35,229	34,173	30,077	31,752	28,148	19,965
Metal mining [1]			102,623	110,374	102,122	96,088	108,939	91,161	57,431
Quarrying and nonmetallic mineral mining [1]			71,501	76,186	78,506	74,820	79,505	68,334	48,568
Other mining	105,004	103,836							
All other purposes	92,642	92,231	45,448	43,747	40,413	41,032	46,738	25,386	15,229
"Permissible" explosives	**60,371**	**55,134**	**58,353**	**67,685**	**63,847**	**60,708**	**62,669**	**53,826**	**41,578**
Railway and other construction work	324	265	263	242	216	158	154	214	431
Coal mining	56,807	52,147	52,256	65,143	60,942	57,261	60,244	52,378	40,611
Metal mining [1]			3,533	216	191	231	165	183	10
Quarrying and nonmetallic mineral mining [1]			838	581	536	1,243	370	502	230
Other mining	783	515							
All other purposes	2,457	2,207	1,463	1,503	1,962	1,814	1,735	549	295

[1] Prior to 1925 included with "Other mining" and "All other purposes."

Source: Bureau of Mines, Department of Commerce.

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No. 777.—FERMENTED LIQUORS AND DISTILLED SPIRITS PRODUCED

Year ended June 30—	Distilled spirits			Fermented liquors	Year ended June 30—	Distilled spirits			Fermented liquors
	Exclusive of fruit brandy	Fruit brandy	Total			Exclusive of fruit brandy	Fruit brandy	Total	
	1,000 tax galls.[1]	*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 barrels*[2]		*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 tax galls.*[1]	*1,000 barrels*[2]
1905	147,811	5,449	153,259	[3] 49,522	1924	136,682	847	137,530	[4] 4,891
1910	156,238	7,656	163,894	[3] 59,485	1925	166,951	548	167,498	[4] 5,119
1915	132,134	8,522	140,656	[3] 59,808	1926	203,166	644	203,810	[4] 4,856
1918	173,476	5,357	178,834	[3] 50,266	1927	185,133	338	185,472	[4] 4,382
1919	98,976	1,802	100,779	[3] 27,713	1928	170,103	412	170,515	[4] 4,161
1920	99,616	1,649	101,265	[3] 9,231	1929	202,059	1,194	203,254	[4] 3,866
1921	86,366	1,531	87,896	[4] 9,220	1930	194,841	416	195,257	[4] 3,681
1922	81,086	1,077	82,163	[4] 6,348	1931	169,574	820	170,394	[4] 3,137
1923	123,208	1,417	124,626	[4] 5,269					

[1] In computing taxable gallons all fractional parts of a gallon less than one-tenth are excluded.
[2] Of not more than 31 gallons.
[3] Includes fermented liquors removed from breweries for export free of tax.
[4] This item represents cereal beverages containing less than one-half of 1 per cent alcohol by volume.

No. 778.—DENATURED ALCOHOL

Year ended June 30—	Alcohol produced at industrial alcohol plants	Denaturing plants	Ethyl alcohol withdrawn for denaturation	Denatured alcohol produced		
				Completely denatured	Specially denatured	Total
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1910	68,534,247	12	10,605,871	3,076,925	3,002,103	6,079,027
1915	81,101,064	23	25,411,719	5,386,647	8,599,822	13,986,469
1918	150,387,681	49	90,644,723	10,328,455	39,834,561	50,163,016
1919	98,160,324	45	60,399,309	9,976,721	28,294,219	38,270,940
1920	98,436,170	52	45,640,949	13,528,403	15,307,947	28,836,350
1921	85,068,776	67	38,812,139	12,392,595	9,996,230	22,388,825
1922	79,906,102	77	59,549,920	16,193,524	17,152,224	33,345,748
1923	122,402,850	76	105,819,405	27,128,230	30,436,913	57,565,143
1924	135,897,726	83	121,576,196	34,602,004	33,085,292	67,687,296
1925	166,165,518	91	148,970,221	46,983,970	34,824,303	81,808,273
1926	202,271,670	97	191,670,107	65,881,442	39,494,444	105,375,886
1927	184,323,017	94	170,633,437	56,093,748	39,354,928	95,448,677
1928	169,149,905	82	159,689,378	46,966,601	45,451,424	92,418,026
1929	200,832,051	77	182,778,966	52,405,452	54,555,006	106,960,458
1930	191,859,343	67	181,601,420	58,141,741	47,645,797	105,787,538
1931	166,014,346	60	148,303,439	49,136,201	37,172,741	86,308,941

No. 779.—LEAF TOBACCO: AMOUNTS CONSUMED IN THE MANUFACTURE OF CIGARS, CIGARETTES, CHEWING AND SMOKING TOBACCO, AND SNUFF

NOTE.—**All figures in thousands of pounds.** Figures represent the equivalent in unstemmed leaf tobacco, of stemmed leaf or scraps, cuttings, and clippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses. See Table 781

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	359,053	87,851	16,235	254,967	1921	612,251	143,228	158,336	310,687
1901–1905	451,461	124,411	12,444	314,606	1922	646,816	151,709	169,597	325,510
1906–1910	524,193	139,206	22,079	362,908	1923	689,036	159,753	200,395	328,889
1911–1915	578,283	151,890	52,207	374,186	1924	693,858	153,413	217,700	322,745
1916–1920	650,460	155,312	130,320	364,828	1925	718,426	149,001	244,315	325,109
1921–1925	672,077	151,421	198,069	322,588	1926	737,354	152,372	267,584	317,399
1926–1930	762,540	149,240	312,533	300,767	1927	744,288	152,510	290,464	301,314
1917	659,581	157,732	113,279	388,570	1928	754,625	151,290	310,159	293,176
1918	692,014	149,837	146,056	396,121	1929	796,626	152,129	346,543	297,953
1919	648,384	151,504	166,783	330,097	1930	779,806	137,901	347,915	293,990
1920	639,982	168,597	146,907	324,478	1931[1]	733,724	124,260	318,816	290,648

[1] Estimates of the Bureau of Foreign and Domestic Commerce.

Source of Tables 777 to 779: Reports of the Commissioner of Internal Revenue, Treasury Department.

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No. 780.—PRODUCTION OF MANUFACTURED TOBACCO

NOTE.—Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in bonded manufacturing warehouses, which amounted to 18,769,748 cigars, in 1931. Large cigars are those weighing more than 3 pounds per thousand

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking	Snuff	Large	Small	Large	Small
1901–1905	346,841	[1] 175,981	[1]	11,903	138,402	20,556	6,513,095	716,720	7,143	3,227,602
1906–1910	413,054	167,460	13,524	12,525	192,700	26,845	6,883,272	1,059,501	16,113	6,192,571
1911–1915	437,346	158,529	15,017	10,795	221,865	31,140	7,087,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	26,026	41,565,670
1921–1925	409,457	115,445	10,105	6,972	239,151	37,785	6,691,913	557,300	16,704	65,903,991
1926–1930	389,244	99,470	8,374	5,821	235,421	40,159	6,360,650	414,044	10,479	109,361,216
1922	419,506	120,174	10,948	6,892	243,355	38,136	6,722,354	632,907	17,450	55,763,023
1923	412,777	120,798	10,665	7,141	234,944	39,228	6,950,247	505,305	18,066	66,715,830
1924	414,178	111,477	9,902	6,781	246,990	39,029	6,597,677	530,714	16,054	72,708,989
1925	413,873	111,391	9,750	7,151	247,740	37,841	6,463,193	447,089	17,429	82,247,100
1926	410,596	109,766	9,179	6,935	246,439	38,227	6,498,641	412,315	13,240	92,096,974
1927	396,324	103,918	7,988	6,286	237,934	40,197	6,519,005	439,419	11,432	99,809,032
1928	386,333	100,646	8,892	5,186	231,134	40,475	6,373,182	415,535	10,403	108,705,506
1929	381,200	96,744	8,188	5,556	229,585	41,127	6,518,533	419,880	9,952	122,392,381
1930	371,766	86,274	7,624	5,089	232,013	40,766	5,893,890	383,070	7,367	123,802,186
1931 [2]	367,539				[3] 327,996	39,543	5,318,893	337,173	5,504	113,449,049

State	Number of factories Jan. 1, 1931, making—			Production in 1930 (calendar year)				
	Tobacco and snuff [4]	Cigars	Cigarettes	Tobacco and snuff (1,000 pounds)	Cigars (thousands)		Cigarettes (thousands)	
					Large	Small	Large	Small
Total	818	6,195	112	371,766	5,893,890	383,070	7,367	123,802,186
California	26	220	9	138	76,453	26	56	4,777,826
Connecticut	9	125		56	28,716			
Florida	3	263	3	6	565,408			2,945
Illinois	107	691	5	35,536	52,431		292	2,214
Indiana	34	161		283	146,179			
Kentucky	37	49	3	19,115	101,001			4,435,332
Louisiana	1	41	1	90	59,670			2,388
Massachusetts	28	330	9	398	78,367		18	3,147
Michigan	27	174	2	10,967	238,737		21	27,739
Minnesota	28	142		71	22,187	1		6
Missouri	13	147	2	47,175	103,216			33,817
New Hampshire	3	24		1	40,456			
New Jersey	14	170	3	8,521	819,648	410	1	5,208,881
New York	167	1,312	50	2,852	522,272	11,758	3,533	1,171,091
North Carolina	11	19	6	126,977	11,640	32,045	3,171	78,971,714
Ohio	66	371		54,818	388,205			
Pennsylvania	84	865	9	6,168	2,006,605	1	172	65,431
Tennessee	18	22		19,899	17,590			
Virginia	8	33	7	23,779	323,046	338,816	104	29,099,655
West Virginia	7	31	1	11,728	87,926	2		
All other	127	[5] 1,005	2	3,190	[5] 204,138	10		

[1] Twist included with plug prior to 1906.
[2] Estimates based on sale of stamps by collectors' offices.
[3] Includes plug, twist, and fine cut.
[4] Includes only those producing a taxable product.
[5] Figures include Hawaii.

Source: Annual Report of the Commissioner of Internal Revenue.

No. 781.—CONSUMPTION OF TOBACCO IN THE UNITED STATES

NOTE.—**All figures except per capita in thousands of pounds.** Data for tobacco used in manufacture in registered factories represent the equivalent in unstemmed leaf of all tobacco. See headnote, Table 779

Item	1925	1926	1927	1928	1929	1930	1931
Leaf tobacco consumed in manufacture:							
In registered factories	718,426	737,354	744,288	754,625	796,626	779,806	[1] 733,724
In bond	18,519	19,059	16,073	28,132	13,267	4,175	425
Manufactured tobacco imported:							
From Puerto Rico	2,908	2,498	2,081	2,165	2,043	2,261	2,304
Other countries	4,000	3,859	3,498	3,263	2,682	2,408	2,458
Exports of manufactured tobacco [2]	31,687	35,960	28,961	42,702	33,293	22,251	16,180
Remaining for consumption	712,166	726,810	736,979	745,483	781,325	766,399	722,731
Per capita consumption—pounds	6.20	6.24	6.24	6.22	6.43	6.22	5.83

[1] Estimated.
[2] Includes shipments to Alaska, Hawaii, and Puerto Rico.

Sources: Leaf tobacco used in registered factories from reports of the Commissioner of Internal Revenue; leaf tobacco used in bonded factories from reports of the Division of Customs, Treasury Department.

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No. 782.—PATENTS AND CERTIFICATES OF REGISTRATION ISSUED SINCE INITIATION OF THE PATENT SYSTEM

NOTE.—The number of patents granted prior to July 28, 1836, was 9,957

Calendar year or period	Patent applications [1]	Caveats filed [2]	Patents issued				Certificates of registration issued		
			Total	Patents	Designs	Reissues	Total	Trade-marks	Labels and prints
1836–1850 [3]	14,062	4,763	8,387	7,864	340	183			
1851–1860	44,302	9,571	25,087	23,140	1,025	922			
1861–1870	128,763	22,228	85,910	79,612	3,181	3,117	121	121	
1871–1880	206,436	29,350	138,355	125,520	7,535	5,300	10,395	8,017	2,378
1881–1890	352,475	25,012	217,821	207,850	8,357	1,614	14,660	10,636	4,024
1891–1900	410,049	21,199	234,956	220,840	13,374	742	18,794	16,903	[4] 1,891
1901–1905	253,417	9,168	148,291	143,791	3,953	547	18,590	12,768	5,822
1906–1910	307,187	8,880	175,618	171,560	3,297	761	36,375	32,060	4,315
1911–1915	350,937		194,387	186,241	7,295	851	32,381	27,369	5,012
1916–1920	368,236		207,108	197,644	8,486	978	35,364	30,681	4,683
1921–1925	426,597		217,525	203,977	12,326	1,222	81,566	71,159	10,407
1926–1930	459,163		234,857	219,384	13,796	1,677	96,729	83,536	13,193
1901	46,449	1,842	27,373	25,558	1,734	81	2,965	1,928	1,037
1902	49,641	1,851	27,886	27,136	640	110	2,931	2,006	925
1903	50,213	1,771	31,699	31,046	536	117	3,446	2,186	1,260
1904	52,143	1,808	30,934	30,267	557	110	3,569	2,158	1,411
1905	54,971	1,896	30,399	29,784	486	129	5,679	4,490	1,189
1906	56,482	1,885	31,965	31,181	625	159	11,933	10,568	1,365
1907	58,762	1,967	36,620	35,880	589	151	8,860	7,878	982
1908	61,475	2,110	33,682	32,757	757	168	6,029	5,191	838
1909	65,839	1,948	37,421	36,574	687	160	4,824	4,184	640
1910	64,629	970	35,930	35,168	639	123	4,729	4,239	490
1911	69,121		34,084	32,917	1,010	157	5,112	4,205	907
1912	70,976		37,731	36,231	1,342	158	5,896	5,020	876
1913	70,367		35,788	33,941	1,683	164	6,063	5,065	998
1914	70,404		41,850	39,945	1,715	190	7,874	6,817	1,057
1915	70,069		44,934	43,207	1,545	182	7,436	6,262	1,174
1916	71,033		45,927	43,970	1,759	198	8,087	6,791	1,296
1917	70,373		42,760	41,069	1,512	179	6,197	5,339	858
1918	59,615		39,941	38,569	1,207	165	4,912	4,061	851
1919	80,400		38,598	36,872	1,523	203	4,874	4,208	666
1920	86,815		39,882	37,164	2,485	233	11,294	10,282	1,012
1921	93,328		41,401	37,885	3,277	239	13,605	11,654	1,951
1922	88,930		40,297	38,414	1,627	256	14,992	12,793	2,199
1923	79,058		40,787	38,634	1,927	226	16,725	14,845	1,880
1924	80,756		45,500	42,594	2,671	235	17,562	15,749	1,813
1925	84,525		49,540	46,450	2,824	266	[5] 18,682	[5] 16,118	2,564
1926	86,028		47,627	44,750	2,602	275	[5] 21,819	[5] 19,246	2,573
1927	92,018		44,444	41,731	2,387	326	[5] 20,548	[5] 17,649	2,899
1928	92,598		45,899	42,376	3,188	335	[5] 19,084	[5] 16,191	2,893
1929	94,489		48,565	45,284	2,907	374	[5] 18,087	[5] 15,534	2,553
1930	94,030		48,322	45,243	2,712	367	[5] 17,191	[5] 14,916	2,275
1931	84,171		[6] 55,103	[6] 51,771	2,937	395	[5] 16,971	[5] 13,050	2,278

[1] Figures include patents for inventions, designs, and reissues of patents.
[2] Caveat law repealed June 25, 1910.
[3] July 28, 1836, to Dec. 31, 1850.
[4] Registration of labels suspended from May 27, 1891, to June 9, 1896.
[5] Figures include 2,278 renewals in 1925, 4,282 in 1926, 3,063 in 1927, 2,049 in 1928, 1,008 in 1929, 1,665 in 1930, and 1,643 in 1931.
[6] Figures include 5 plant patents issued since the law passed May 23, 1930.

Source: Reports of the Commissioner of Patents.

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33.—DISTRIBUTION—WHOLESALE AND RETAIL

No. 783.—WHOLESALE TRADE: By Type of Establishment, 1929

[All money figures in thousands of dollars]

Type of establishment	Number of establishments	Number of employees	Salaries and wages	Total expenses	Net sales	Stocks on hand, end of year (at cost)
United States, total	**169,702**	**1,605,042**	**3,010,130**	**6,135,625**	**69,291,548**	**5,246,740**
Wholesalers only	79,840	912,143	1,713,259	3,447,360	29,556,156	3,382,558
Wholesale merchants	70,896	825,279	1,521,226	3,052,504	24,632,464	2,873,786
Supply and machinery distributors	3,432	33,337	70,157	130,351	790,835	126,948
Some newer types of wholesalers	2,156	11,472	22,550	42,833	510,838	21,642
Cash and carry wholesalers	756	3,208	5,328	10,171	178,809	16,321
Drop shippers (desk jobbers)	583	3,421	8,575	15,794	242,269	2,522
Wagon distributors	817	4,843	8,647	16,868	89,761	2,798
All other wholesalers	3,356	42,055	99,327	221,672	3,622,018	360,183
Bulk tank stations	19,587	79,016	163,200	337,054	2,101,129	158,532
Chain store warehouses	559	26,442	40,635	83,829	1,929,681	98,840
Manufacturers' sales branches	16,515	306,878	655,010	1,390,633	14,812,196	968,157
Auction companies	461	6,997	5,970	11,267	373,776	1,978
Brokers	3,689	11,708	26,642	53,443	4,037,944	17,822
Commission merchants	3,478	24,704	56,702	109,519	4,672,632	60,305
Export agents	260	3,244	6,855	17,649	398,559	15,979
Import agents	85	925	2,381	5,283	57,158	3,770
Manufacturers' agents	6,987	28,742	65,835	121,489	1,775,355	49,504
Purchasing agents and resident buyers	167	1,442	3,674	7,842	296,306	7,895
Selling agents	3,260	26,695	66,270	126,491	2,622,663	42,927
Assemblers and country buyers	34,145	116,108	93,526	203,279	4,652,183	293,497
All other	669	59,998	110,169	220,487	2,005,810	144,974

Source: Bureau of the Census, Department of Commerce.

No. 784.—WHOLESALE TRADE: By Kind of Business, 1929

[All money figures in thousands of dollars]

Kind of business	Number of establishments	Number of employees	Salaries and wages	Total expenses	Net sales	Stocks on hand, end of year (at cost)
United States, total	**169,702**	**1,605,042**	**3,010,130**	**6,135,625**	**69,291,548**	**5,246,740**
Amusement and sporting goods (except cameras and motion-picture equipment and supplies)	730	7,818	15,228	31,313	161,139	26,427
Cameras and motion-picture equipment and supplies	716	13,471	26,982	55,474	324,261	18,714
Automobiles and other motor vehicles	743	31,595	64,458	126,872	1,226,347	87,360
Automotive equipment	2,153	25,636	49,939	90,047	489,797	67,157
Automobile parts (new and used)	1,049	7,425	14,260	26,026	152,777	20,956
Tires and tubes	655	10,148	25,839	54,018	386,603	48,221
Chemicals	1,206	14,624	39,385	81,929	888,604	51,795
Drugs and drug sundries (general line)	638	24,023	42,483	76,718	575,100	93,709
Drugs and drug sundries (specialty)	849	8,217	17,611	48,954	193,898	37,800
Paints, varnishes, lacquers, and enamels	1,027	12,571	28,101	59,327	304,999	40,885
Toilet articles and preparations	303	5,997	12,479	30,346	96,334	8,570
Clothing and furnishings (other than millinery and footwear)	3,971	35,821	79,157	156,469	1,432,948	150,461
Dry goods (general line)	1,071	26,333	52,696	97,848	889,508	112,515
Dry goods (specialty, other than specified)	417	3,026	7,143	12,474	122,812	10,560
Millinery and millinery supplies	489	5,268	9,460	18,338	116,023	11,334
Notions	1,118	8,251	17,566	32,439	203,671	33,542
Piece goods	2,696	31,430	84,794	167,564	2,624,281	237,924
Shoes and other footwear	756	14,931	31,723	63,524	560,673	69,436
Electrical goods (including appliances)	1,901	39,526	77,333	135,616	1,363,596	87,719
Electrical equipment and supplies	991	9,409	21,640	42,300	475,639	29,210
Radios and radio equipment	806	13,044	28,155	75,795	491,621	60,394
Refrigerators (electric)	172	7,950	12,485	23,409	104,292	11,709

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No. 784.—Wholesale Trade: By Kind of Business, 1929—Continued

[All money figures in thousands of dollars]

Type of establishment	Number of establishments	Number of employees	Salaries and wages	Total expenses	Net sales	Stocks on hand end of year (at cost)
Cotton	5,234	13,277	20,569	90,323	3,061,610	173,738
Flowers and nursery stock	633	6,059	8,795	17,850	71,331	8,576
Grain	12,245	33,054	46,446	109,131	4,001,105	270,050
Hides, skins, and furs	1,689	7,309	15,116	36,813	557,897	63,417
Horses and mules	252	775	993	2,762	38,980	879
Live stock (other than horses and mules)	7,288	12,903	18,784	40,056	3,170,313	14,422
Silk (raw)	33	321	1,507	3,056	170,946	10,133
Tobacco (leaf)	1,003	39,625	17,303	35,233	469,142	154,969
Wool and mohair	403	2,459	5,838	16,129	334,061	40,129
Other farm products	1,693	3,133	3,594	7,682	155,650	7,616
Farm supplies (except feed and fertilizer)	410	6,164	8,851	18,476	139,735	24,419
Feed	1,284	9,040	15,072	34,846	571,068	22,748
Fertilizer and fertilizer materials	279	4,473	8,188	19,239	187,470	19,218
Confectionery and soft drinks	2,959	15,324	26,602	63,229	356,242	23,933
Dairy products	2,181	37,851	66,383	147,711	1,124,180	28,900
Poultry and poultry products	3,830	19,882	22,267	48,292	760,795	20,210
Dairy and poultry products	3,691	17,281	21,348	43,275	670,160	22,603
Fish and sea foods	1,448	15,896	21,709	49,112	243,682	10,939
Fruits and vegetables (fresh)	11,194	92,799	123,628	260,538	3,252,976	157,440
Meats and meat products	3,605	83,776	143,568	268,292	3,102,286	106,215
Boxes, shooks, and cooperage	205	1,143	2,163	4,046	49,668	3,094
Logs, railroad ties, piles, etc	537	2,635	3,143	6,030	59,562	5,405
Other forest products	278	2,126	4,413	7,518	96,190	4,814
Furniture	1,146	11,626	25,476	48,964	344,630	36,937
House furnishings	1,653	22,230	45,029	87,216	591,179	88,452
Musical instruments and sheet music	178	3,832	7,297	17,868	58,242	11,345
General merchandise	370	14,821	23,740	47,815	596,066	67,159
Groceries (general line)	6,900	104,882	179,861	335,083	5,203,417	451,931
Food and grocery specialties	7,094	79,450	145,819	354,118	4,333,905	189,948
Hardware (general line)	1,227	40,339	74,762	133,479	754,594	164,211
Hardware (specialty)	562	4,794	9,816	17,361	111,565	14,591
Iron and steel scrap	644	6,516	11,141	23,185	258,794	10,696
Junk and scrap	3,083	11,999	14,425	28,969	234,082	17,958
Waste rubber, rags, and paper	273	3,762	4,861	9,205	59,404	3,292
Jewelry	1,925	14,661	35,280	72,914	450,089	130,835
Optical goods	440	5,178	8,296	14,819	44,492	8,460
Leather and leather goods (general line)	84	695	1,460	2,995	18,366	3,610
Leather and leather belting	651	4,284	10,609	23,387	301,957	47,185
Luggage and leather goods	166	1,449	2,596	4,975	23,483	3,280
Saddlery and harness	38	401	659	1,285	7,196	2,084
Shoe findings and cut stock	613	2,147	4,379	9,430	106,229	12,634
Construction and building materials (other than metal and wood)	3,222	46,979	97,126	194,304	1,009,846	73,929
Lumber and mill work	2,291	24,874	51,625	96,518	1,134,206	98,037
Commercial equipment and supplies	1,804	17,814	36,990	62,214	250,929	28,570
Construction equipment and supplies	498	4,059	9,927	21,462	132,690	12,164
Farm machinery and equipment	560	15,315	28,730	54,839	385,838	67,876
Manufacturing, mining, and drilling machinery, equipment, and supplies	6,142	55,556	131,040	237,418	1,648,880	190,620
Professional equipment and supplies	1,000	13,672	25,800	45,956	207,816	36,055
Service equipment and supplies	1,439	11,340	23,560	46,343	201,098	28,471
Transportation equipment and supplies	412	3,340	10,902	21,118	230,879	9,661
Coal	1,343	14,111	33,170	69,521	1,160,290	43,023
Iron and steel (except scrap)	1,643	19,802	54,074	97,704	2,839,964	82,253
Metals and metal work (other than iron and steel)	634	7,534	19,665	38,355	1,599,846	52,584
Paper and paper products (general line)	1,568	22,017	47,638	84,628	679,014	61,046
Paper and paper products (specialty other than specified)	584	6,477	16,860	29,381	307,813	18,578
Stationery and stationery supplies	719	7,868	14,771	25,092	113,568	16,756
Wall paper	232	2,612	4,550	10,519	32,188	6,910
Petroleum and petroleum products	23,008	110,074	222,197	477,238	3,365,663	299,299
Plumbing equipment and supplies	2,151	30,327	63,120	120,447	701,746	106,325
Heating equipment and supplies	635	6,025	13,502	26,135	117,921	15,222
Tobacco and tobacco products (except leaf)	2,016	19,636	38,838	116,343	1,691,173	65,148
Books, periodicals, and newspaper	636	16,134	27,564	59,494	203,041	25,297
Oils and greases (animal and vegetable)	171	1,392	3,977	8,585	316,791	7,463
Rubber goods (general line)	92	4,479	9,070	17,605	121,220	19,395
Textiles and textile materials (other than dry goods)	1,299	11,843	27,361	53,232	831,884	65,596
Miscellaneous kinds of business	1,725	14,877	27,367	51,669	679,581	41,593

Source: Bureau of the Census, Department of Commerce.

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No. 785.—WHOLESALE TRADE: Summary of All Wholesale Distributors and of Wholesalers Only, by Divisions and States, 1929

[All money figures in thousands of dollars]

Division and State	All wholesale distributors					Wholesalers only				
	Number of establishments	Number of employees	Salaries and wages	Net sales	Stocks on hand, end of year (at cost)	Number of establishments	Number of employees	Salaries and wages	Net sales	Stocks on hand, end of year (at cost)
U. S.	169,702	1,605,042	3,010,130	69,291,548	5,246,740	79,840	912,143	1,713,259	29,556,156	3,382,558
New England	9,793	111,164	206,779	4,195,260	328,360	6,488	69,665	124,852	2,130,399	208,395
Me	987	7,545	11,311	189,975	22,973	521	4,834	7,845	104,864	14,734
N. H	326	2,456	3,692	61,414	6,231	199	1,600	2,156	30,969	4,206
Vt	308	1,933	2,899	57,393	5,432	133	1,368	2,034	36,520	4,122
Mass	6,066	72,929	145,958	3,065,856	221,505	4,069	43,860	85,027	1,557,140	143,473
R. I	737	8,029	14,820	300,072	23,781	571	5,672	10,241	167,683	15,720
Conn	1,369	18,272	28,099	520,551	48,438	995	12,331	17,548	233,222	26,141
Mid. Atlantic	38,197	432,307	969,544	23,390,807	1,649,126	26,002	264,060	573,976	10,311,721	1,146,648
N. Y	25,311	291,056	696,203	17,604,634	1,273,191	17,611	176,785	410,797	7,831,108	887,141
N. J	2,344	27,596	55,691	1,008,881	69,719	1,701	16,970	34,891	502,117	50,094
Pa	10,542	113,655	217,650	4,777,292	306,215	6,690	70,305	128,288	1,978,496	209,413
E. N. Central	32,185	353,398	687,611	14,028,413	906,483	14,890	192,668	373,387	5,432,606	581,068
Ohio	8,077	84,756	154,667	3,094,100	197,408	4,130	50,363	92,150	1,371,472	132,059
Ind	3,734	25,474	43,258	921,561	61,806	1,445	14,572	24,991	376,738	42,960
Ill	11,587	164,531	341,523	6,861,067	418,757	5,132	80,886	167,547	2,300,327	246,039
Mich	5,272	47,406	97,087	2,172,409	118,537	2,525	27,389	54,385	855,119	76,973
Wis	3,515	31,231	51,075	979,276	109,975	1,658	19,458	34,314	528,950	83,036
W. N. Central	28,954	196,508	331,098	8,709,122	715,032	7,181	106,128	181,577	3,022,890	469,108
Minn	5,521	37,708	62,656	1,716,944	152,376	1,683	22,209	36,323	681,384	95,508
Iowa	4,954	27,603	41,032	1,057,006	69,105	1,089	13,748	22,017	350,841	41,401
Mo	6,674	79,488	145,571	3,361,721	240,247	2,591	45,219	81,976	1,209,660	159,615
N. Dak	2,619	5,929	9,940	262,430	24,418	184	1,868	3,250	52,153	5,584
S. Dak	1,973	5,537	8,616	236,280	16,810	202	2,171	3,266	51,425	5,810
Nebr	2,890	17,268	28,106	1,054,064	58,561	596	8,933	15,573	280,423	35,673
Kans	4,323	22,975	35,177	1,020,677	153,515	836	11,980	19,171	397,003	125,517
S. Atlantic	15,652	140,227	200,123	4,657,675	360,267	7,183	74,334	109,985	1,951,501	213,645
Del	286	2,094	3,778	118,087	10,514	125	889	1,523	21,281	2,697
Md	2,205	22,468	33,065	741,367	49,522	1,229	15,790	21,350	348,388	36,312
D. C	496	7,575	13,700	261,083	14,305	330	4,107	7,212	98,179	9,066
Va	2,344	22,739	30,272	656,309	79,334	1,176	13,509	18,402	280,715	39,588
W. Va	1,132	10,339	19,303	346,839	29,539	626	7,169	13,345	181,817	22,995
N. C	2,413	24,476	25,823	717,432	63,826	1,037	9,305	12,441	267,917	30,623
S. C	1,539	7,726	10,535	333,528	17,524	539	3,824	5,829	148,002	12,632
Ga	3,183	22,735	36,896	1,016,496	62,220	1,076	11,026	16,772	415,437	37,587
Fla	2,054	20,075	26,751	466,535	33,482	1,045	8,715	13,109	189,765	22,144
E. S. Central	7,739	64,502	95,386	2,550,847	237,353	3,131	40,189	61,636	1,213,242	125,281
Ky	2,027	21,538	26,083	522,495	99,959	867	13,180	18,200	251,472	35,626
Tenn	2,256	22,485	35,124	1,068,981	68,735	967	14,191	23,118	558,474	48,430
Ala	1,743	13,733	23,650	574,145	44,603	785	9,050	14,927	275,088	27,262
Miss	1,713	6,746	10,528	385,226	24,055	512	3,768	5,391	128,208	13,963
W. S. Central	17,566	104,153	168,732	4,787,187	389,369	5,840	59,707	96,828	2,385,930	279,120
Ark	2,052	8,463	12,195	373,074	30,660	570	5,062	8,120	179,650	23,616
La	1,729	17,493	29,337	836,197	58,966	882	11,035	17,688	395,737	36,437
Okla	4,179	19,210	30,916	773,398	60,885	1,333	9,700	16,570	333,678	42,787
Tex	9,606	58,987	96,284	2,804,518	238,859	3,055	33,910	54,447	1,476,865	176,279
Mountain	5,795	34,680	55,657	1,198,946	104,749	1,960	19,561	33,132	518,258	67,889
Mont	1,249	4,436	6,991	158,545	19,026	268	2,357	3,744	60,584	11,083
Idaho	681	3,386	4,524	121,193	10,918	164	1,188	2,044	36,588	5,761
Wyo	283	905	1,855	34,661	4,215	91	452	891	15,892	2,655
Colo	2,075	14,628	23,947	539,626	37,449	813	9,018	14,936	224,381	23,439
N. Mex	317	1,355	2,331	53,547	4,744	97	720	1,256	26,882	3,586
Ariz	358	3,554	5,420	97,554	9,377	169	1,726	3,114	49,774	6,798
Utah	736	5,737	9,712	180,101	17,697	309	3,867	6,696	96,592	13,684
Nev	96	679	877	13,719	1,324	49	233	450	7,566	885
Pacific	13,821	168,103	295,200	5,773,290	556,000	7,165	85,831	157,890	2,589,609	291,405
Wash	2,631	30,391	51,101	1,147,136	79,573	1,370	15,637	29,367	482,532	55,176
Oreg	1,439	14,659	24,190	466,831	40,580	689	8,149	13,457	245,194	25,137
Calif	9,751	123,053	219,909	4,159,323	435,847	5,106	62,045	115,066	1,861,883	211,092

Source: Bureau of the Census, Department of Commerce.

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No. 786.—WHOLESALE TRADE OF INDIVIDUAL CITIES OF 100,000 OR MORE INHABITANTS, 1929

[Net sales in thousands of dollars]

City	Number of establishments	Employees	Net sales	City	Number of establishments	Employees	Net sales
Akron, Ohio	201	2,628	105,532	Newark, N. J	643	9,652	393,420
Albany, N. Y	243	3,630	124,335	New Bedford, Mass	167	1,193	35,837
Atlanta, Ga	750	11,866	498,917	New Haven, Conn	389	3,835	138,850
Baltimore, Md	1,589	18,465	651,096	New Orleans, La	712	10,423	601,981
Birmingham, Ala	423	6,540	254,204				
				New York City (Greater New York)	19,618	237,291	15,631,148
Boston, Mass	3,653	48,704	2,357,017	Bronx Borough	375	4,690	187,913
Bridgeport, Conn	145	1,893	74,574	Brooklyn Borough	1,818	19,332	699,107
Buffalo, N. Y	1,166	14,548	671,765	Manhattan Borough	16,948	205,836	14,529,672
Cambridge, Mass	121	2,659	55,755	Queens Borough	400	7,023	202,715
Camden, N. J	65	815	19,388	Richmond Borough	77	410	11,740
Canton, Ohio	120	1,204	35,224				
Chattanooga, Tenn	135	1,663	62,754	Norfolk, Va	319	3,371	153,754
Chicago, Ill	6,702	138,657	5,870,166	Oakland, Calif	390	5,712	129,170
Cincinnati, Ohio	1,326	17,252	729,814	Oklahoma City, Okla	464	6,605	287,932
Cleveland, Ohio	1,968	24,946	1,106,723	Omaha, Nebr	647	9,466	704,088
				Paterson, N. J	141	1,264	65,958
Columbus, Ohio	518	6,947	228,252				
Dallas, Tex	809	12,662	729,157	Peoria, Ill	215	2,698	98,759
Dayton, Ohio	237	3,133	112,669	Philadelphia, Pa	4,357	52,636	2,280,884
Denver, Colo	934	10,564	395,958	Pittsburgh, Pa	1,849	27,435	1,484,500
Des Moines, Iowa	333	5,453	149,075	Portland, Oreg	867	11,526	383,432
				Providence, R. I	577	6,427	246,423
Detroit, Mich	2,136	26,510	1,540,060				
Duluth, Minn	185	3,281	171,363	Reading, Pa	203	1,853	56,148
Elizabeth, N. J	75	665	51,161	Richmond, Va	416	7,143	233,611
El Paso, Tex	205	2,075	74,384	Rochester, N. Y	401	4,219	94,923
Erie, Pa	159	1,254	31,947	St. Louis, Mo	1,940	40,769	1,430,981
				St. Paul, Minn	462	8,030	221,746
Evansville, Ind	184	1,964	61,096				
Fall River, Mass	130	898	55,144	Salt Lake City, Utah	334	4,515	130,332
Flint, Mich	102	1,365	38,519	San Antonio, Tex	343	4,715	133,820
Fort Wayne, Ind	158	2,233	53,164	San Diego, Calif	199	2,645	56,839
Fort Worth, Tex	240	3,426	276,844	San Francisco, Calif	3,154	37,545	1,784,175
				Scranton, Pa	279	3,218	111,866
Gary, Ind	38	286	10,053				
Grand Rapids, Mich	416	3,938	152,630	Seattle, Wash	1,220	15,001	574,707
Hartford, Conn	323	7,804	125,187	Somerville, Mass	31	938	32,993
Houston, Tex	506	7,354	519,913	South Bend, Ind	129	1,394	40,619
Indianapolis, Ind	730	9,769	436,596	Spokane, Wash	256	4,473	134,049
				Springfield, Mass	254	3,513	115,560
Jacksonville, Fla	346	4,234	180,779				
Jersey City, N. J	169	3,658	117,769	Syracuse, N. Y	460	4,976	178,538
Kansas City, Kans	97	2,614	92,217	Tacoma, Wash	150	2,661	55,940
Kansas City, Mo	1,664	24,354	1,400,722	Tampa, Fla	223	2,406	82,679
Knoxville, Tenn	135	2,082	53,448	Toledo, Ohio	417	7,502	187,893
				Trenton, N. J	132	1,377	36,593
Long Beach, Calif	127	1,207	33,893				
Los Angeles, Calif	3,153	40,581	1,379,989	Tulsa, Okla	282	2,486	103,666
Louisville, Ky	528	9,664	267,679	Utica, N. Y	184	1,972	59,359
Lowell, Mass	89	704	24,043	Washington, D. C	496	7,575	261,083
Lynn, Mass	119	830	17,231	Wichita, Kans	256	3,125	161,155
				Wilmington, Del	127	1,742	102,114
Memphis, Tenn	628	9,449	652,877				
Miami, Fla	247	1,727	48,753	Worcester, Mass	246	2,781	68,455
Milwaukee, Wis	1,059	14,289	545,650	Yonkers, N. Y	74	809	27,695
Minneapolis, Minn	1,316	17,423	846,458	Youngstown, Ohio	194	2,970	100,942
Nashville, Tenn	225	3,103	129,897				

Source: Bureau of the Census, Department of Commerce.

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No. 787.—RETAIL TRADE: By Type of Operation

[All money figures in thousands of dollars]

	Number of stores	Employees		Pay roll			Total net sales	Stocks on hand, end of year (at cost)
		Full time	Part time	Total	Full time	Part time		
United States, total	**1,543,158**	**3,833,581**	**676,559**	**5,189,670**	**5,028,282**	**161,388**	**49,114,653**	**7,262,583**
Single-store independents	1,230,300	2,421,438	439,192	3,247,936	3,138,981	108,955	31,486,128	4,981,910
2-store independents	49,071	256,497	29,835	367,242	360,002	7,240	3,020,443	474,886
3-store independents	15,512	108,769	14,764	165,264	161,861	3,403	1,255,142	207,501
Local branch systems	231	5,447	404	8,771	8,554	217	64,441	10,703
Local chains	52,465	263,568	36,646	395,577	386,612	8,965	3,293,890	393,832
Sectional chains	41,083	180,496	33,779	259,390	251,216	8,174	2,191,250	228,347
National chains	51,058	341,772	79,906	412,447	396,688	15,759	3,960,087	376,017
Other types of operation:								
Mail-order houses (catalogue only)	271	41,756	1,565	45,408	45,039	369	515,237	86,862
Direct selling (house-to-house)	1,661	30,380	435	33,018	32,923	95	93,961	4,335
Roadside markets or stands	840	214	274	151	115	36	2,459	213
Curbside markets or stands	3,662	365	114	396	372	24	16,155	483
Itinerant vendors	1,384	208	111	260	232	28	7,131	200
Rolling stores	244	411	52	719	712	7	3,971	371
Industrial stores (including commissaries)	1,347	6,104	542	8,837	8,721	116	115,583	14,732
Leased departments—independent operators	596	2,460	439	3,176	3,088	88	24,321	4,550
Leased department chains	3,675	16,702	1,851	22,310	21,947	363	129,702	14,534
Utility-operated retail stores	4,053	16,462	4,347	26,370	25,177	1,193	163,371	31,906
Manufacturer-controlled chains	3,431	43,455	1,416	81,605	81,306	299	389,618	54,151
Cooperative stores	1,143	3,429	753	4,583	4,436	147	76,035	9,759
Cooperative buying associations	566	1,294	399	1,788	1,707	81	40,960	3,696
Retailers—country buyers	73,274	63,356	24,888	65,510	60,831	4,679	1,779,278	298,287
Retailers—wholesalers	7,121	28,407	4,775	37,964	36,827	1,137	476,071	63,961
All other types of operation	170	590	73	948	936	12	9,418	1,347

Source: Bureau of the Census, Department of Commerce.

No. 788.—RETAIL TRADE, INDEPENDENTS, CHAINS, AND OTHER TYPES: 17 Kinds of Business

[Net sales in thousands of dollars]

Kind of business	Independents (1, 2, and 3 store independents)		Chains (local, sectional, and national)		All other types of operation	
	Number of stores	Net sales	Number of stores	Net sales	Number of stores	Net sales
Department stores	2,166	3,140,287	1,964	725,021	91	484,790
Variety, 5-and-10, and to-a-dollar stores	6,603	88,340	5,377	814,762	130	1,045
Men's and boys' clothing and furnishings stores	25,113	929,099	2,816	252,620	268	11,003
Clothing stores—men's, women's, and children's	8,860	394,707	1,585	150,739	106	6,907
Women's ready-to-wear specialty shops—apparel and accessories	15,966	807,811	1,914	246,960	373	32,830
Shoe stores	17,938	431,818	5,092	306,216	1,229	68,795
Furniture stores	23,902	1,268,112	1,004	213,661	248	28,877
Radio and music stores	15,081	443,974	794	107,279	162	10,519
Grocery stores (without meats)	142,245	1,674,805	35,369	1,576,252	14,262	198,072
Combination stores (groceries and meats)	91,837	2,463,173	17,249	1,257,727	6,463	182,762
Restaurants, cafeterias	94,546	1,551,912	2,153	245,788	251	5,213
Cigar stores and cigar stands	30,910	301,328	2,162	102,980	176	5,756
Filling stations	90,365	1,113,012	28,617	605,204	2,531	69,207
Coal and wood yards—ice dealers	17,258	811,159	1,401	185,666	459	16,544
Drug stores	54,585	1,371,986	3,526	312,451	147	5,962
Hardware stores	24,659	667,829	352	21,141	319	17,083
Jewelry stores	19,534	498,602	370	34,246	94	3,432

Source: Bureau of the Census, Department of Commerce.

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No. 789.—RETAIL SALES: By States, 1929

[All money figures, except sales per capita, in thousands of dollars]

Division and state	Number of stores	Proprietors and firm members	Number of employees		Expenses		Net sales	Sales per capita (dollars)
			Full time	Part time	Salaries and wages	Other		
United States, total	**1,543,158**	**1,510,607**	**3,833,581**	**676,559**	**5,182,933**	**5,185,611**	**49,114,653**	**400**
New England	**108,764**	**98,882**	**310,275**	**59,006**	**422,040**	**411,832**	**3,785,869**	**464**
Connecticut	22,202	19,794	58,934	10,611	87,196	82,585	768,510	478
Maine	11,091	10,379	22,925	5,000	28,012	28,163	307,627	386
Massachusetts	54,183	48,294	177,214	32,625	241,100	238,990	2,054,976	484
New Hampshire	6,557	6,354	13,643	3,288	16,786	15,928	184,285	396
Rhode Island	9,542	8,749	27,281	5,311	36,183	33,974	318,295	463
Vermont	5,189	5,312	10,278	2,171	12,763	12,192	152,176	423
Middle Atlantic	**385,302**	**364,487**	**957,284**	**149,525**	**1,397,727**	**1,461,076**	**12,717,899**	**484**
New Jersey	60,010	55,959	126,751	22,227	193,503	199,358	1,843,545	456
New York	190,017	175,597	513,434	71,253	792,285	843,898	7,070,414	562
Pennsylvania	135,275	132,931	317,099	56,045	411,939	417,820	3,803,940	395
East North Central	**317,667**	**304,951**	**877,112**	**161,384**	**1,247,467**	**1,217,941**	**11,262,958**	**445**
Illinois	96,900	92,936	296,785	52,471	440,280	430,854	3,711,903	486
Indiana	41,618	41,058	100,677	20,531	125,966	117,569	1,222,384	377
Michigan	55,958	53,540	161,245	26,413	241,870	234,825	2,226,398	460
Ohio	83,717	78,846	229,870	41,163	318,273	311,146	2,864,831	431
Wisconsin	39,474	38,571	88,535	20,806	121,078	123,547	1,237,442	421
West North Central	**170,644**	**173,247**	**401,112**	**85,336**	**497,830**	**504,149**	**5,269,554**	**396**
Iowa	32,716	33,470	70,538	18,409	86,094	88,436	972,136	393
Kansas	25,605	26,412	54,605	13,529	66,612	64,541	744,586	396
Minnesota	30,725	30,903	81,729	14,527	103,817	105,837	1,051,930	410
Missouri	47,039	46,958	123,694	20,268	153,142	152,910	1,448,220	399
Nebraska	17,637	18,474	39,780	10,012	49,678	49,966	562,945	409
North Dakota	8,077	8,017	14,297	3,485	17,931	21,407	234,540	344
South Dakota	8,845	9,013	16,469	5,106	20,556	21,052	255,197	368
South Atlantic	**169,068**	**166,871**	**355,178**	**66,297**	**419,553**	**406,132**	**4,201,755**	**266**
Delaware	3,688	3,417	7,774	1,680	9,842	9,117	103,512	434
Dist. of Columbia	5,931	5,136	31,453	3,600	44,385	40,054	336,262	691
Florida	22,449	20,765	45,618	7,932	52,749	53,860	504,523	344
Georgia	28,687	29,022	57,554	11,068	60,599	60,342	635,440	218
Maryland	21,082	20,162	53,480	7,492	64,292	64,940	619,573	380
North Carolina	28,831	30,172	49,900	13,035	58,066	56,747	653,419	206
South Carolina	15,036	14,744	24,580	6,595	26,128	23,541	300,220	173
Virginia	26,120	26,076	52,287	9,411	61,386	57,443	600,929	248
West Virginia	17,244	17,377	32,532	5,484	42,106	40,088	447,877	259
East South Central	**89,199**	**94,226**	**174,772**	**30,817**	**193,312**	**186,421**	**2,171,995**	**220**
Alabama	21,442	22,001	43,632	7,586	48,123	45,087	527,101	199
Kentucky	27,117	28,553	46,749	8,289	53,266	50,292	587,340	225
Mississippi	17,256	18,381	29,244	5,618	30,747	29,993	413,737	206
Tennessee	23,384	25,291	55,147	9,324	61,176	61,049	643,817	246
West South Central	**135,482**	**140,660**	**296,335**	**51,035**	**348,243**	**333,068**	**3,727,371**	**306**
Arkansas	17,937	19,444	29,710	6,250	33,034	31,284	412,680	223
Louisiana	23,288	23,900	47,058	4,227	48,982	47,180	476,643	227
Oklahoma	27,339	27,846	59,259	11,327	74,266	71,750	795,028	332
Texas	66,918	69,470	160,308	29,231	191,961	182,853	2,043,020	351
Mountain	**44,861**	**43,758**	**116,018**	**20,142**	**155,952**	**150,424**	**1,548,650**	**418**
Arizona	5,068	5,206	14,445	2,091	19,900	19,388	198,620	456
Colorado	13,993	13,361	39,339	6,700	50,731	49,868	466,959	451
Idaho	4,916	4,779	11,313	2,256	15,386	15,245	169,087	380
Montana	6,951	6,713	16,125	3,120	23,317	22,108	243,828	454
Nevada	1,310	1,389	3,108	494	5,096	4,425	50,401	554
New Mexico	4,191	4,320	8,596	1,501	10,344	9,884	119,759	283
Utah	5,249	5,027	16,374	2,942	21,509	19,666	196,559	387
Wyoming	2,983	2,963	6,718	1,038	9,669	9,840	103,437	459
Pacific	**122,371**	**123,525**	**345,495**	**53,017**	**507,546**	**511,890**	**4,428,602**	**540**
California	85,691	87,364	251,148	36,107	375,948	377,122	3,210,863	566
Oregon	14,570	14,933	35,579	6,158	48,154	51,203	455,931	478
Washington	22,110	21,228	58,768	10,752	83,444	83,565	761,808	487

Source: Bureau of the Census, Department of Commerce.

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No. 790.—RETAIL TRADE: By Kind of Business, 1929

[All money figures in thousands of dollars]

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total [1]	Net sales
United States total	**1,543,158**	**1,510,607**	**3,833,581**	**5,189,670**	**49,114,653**
Food group	**431,891**	**468,301**	**569,632**	**767,207**	**10,837,422**
Candy and confectionery stores:					
Candy stores—nut stores	2,658	1,882	4,143	4,365	34,913
Confectionery stores (candy and fountain)	60,607	65,714	42,929	41,359	536,636
Dairy products stores:					
Dairy products stores (including ice cream)	4,488	3,879	9,332	13,583	165,965
Egg and poultry dealers	3,258	3,513	2,573	3,320	70,858
Milk dealers (incomplete)	3,990	4,063	52,975	101,027	560,996
Delicatessen stores	11,166	12,184	9,058	10,699	194,820
Fruit stores and vegetable markets	22,904	25,106	16,368	20,583	308,379
Grocery stores (without meats) [2]	191,876	171,991	143,413	183,439	3,449,129
Combination stores (groceries and meats):					
Grocery stores with meats	91,888	87,420	148,819	192,504	3,025,305
Meat markets with groceries	23,661	25,866	44,907	61,759	878,357
Meat markets (including sea foods):					
Fish markets—sea foods	6,077	6,571	6,202	7,500	83,698
Meat markets	43,788	45,248	55,318	84,898	1,253,260
Bakeries—caterers:					
Bakeries—bakery goods stores (except manufacturing bakeries)	11,903	11,698	24,571	29,328	193,563
Caterers	110	84	1,180	1,733	7,530
Other food stores:					
Coffee, tea, spice dealers	1,236	834	4,914	7,438	44,938
Farm products stores	974	1,023	455	456	8,942
General food stores miscellaneous	686	666	633	618	8,598
Bottled waters and beverage dealers	621	559	1,842	2,598	11,533
General stores	**104,089**	**121,366**	**107,023**	**115,511**	**2,570,744**
General stores—groceries with apparel	5,426	6,200	4,532	4,919	111,075
General stores—groceries with dry goods	40,159	46,264	29,350	29,095	713,226
General stores—groceries with other merchandise	58,504	68,902	73,141	81,496	1,746,443
General merchandise group, total	**54,636**	**47,821**	**702,822**	**818,930**	**6,444,101**
Department stores:					
With food departments	460	184	107,354	139,293	939,411
Without food departments	3,730	1,249	342,138	443,091	2,963,663
Mail-order houses—general merchandise	31	8	35,483	38,607	447,024
Dry goods stores:					
Dry goods stores	24,676	25,885	49,538	55,962	641,386
Piece goods stores	774	757	1,032	1,503	21,822
General merchandise stores:					
With food departments	2,182	2,150	8,472	10,805	139,405
Without food departments	9,849	9,527	28,803	31,905	363,887
Army and Navy goods stores	724	646	1,072	1,576	19,783
Women's exchanges	100	72	610	827	3,573
Variety, 5-and-10, and to-a-dollar stores	12,110	7,343	128,320	95,362	904,147
Automotive group	**257,685**	**242,800**	**628,333**	**934,402**	**9,615,810**
Motor vehicle dealers (new and used):					
Automobile sales rooms	40,797	38,790	330,617	528,988	6,153,217
Used car dealers	3,097	3,036	7,274	11,805	140,932
Automobile dealers with farm implements and machinery	1,407	1,635	5,679	8,217	113,363
Acessories, tires, and batteries:					
Accessory stores with tires and batteries	7,762	6,801	20,336	30,990	257,742
Battery and ignition shops—brake repair shops	6,409	6,819	10,550	15,442	94,238
Tire shops (including tire repairs)	8,142	7,341	20,000	29,671	247,314
Filling stations:					
Filling stations—gasoline and oil	52,728	32,281	66,655	87,517	869,081
Filling stations with tires and accessories	26,775	27,269	35,339	43,173	516,917
Filling stations with other merchandise	42,011	41,196	24,727	28,521	401,425
Motor cycles, bicycles, and supplies:					
Motor-cycle dealers	298	292	668	988	8,035
Bicycles, motor cycles, and supplies stores	255	278	433	585	4,640
Bicycle shops	879	925	630	747	7,570

[1] Including full-time and part-time.
[2] See also Feed stores with groceries in "Other retail stores" group.

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No. 790.—Retail Trade: By Kind of Business, 1929—Continued

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total	Net sales
Automotive group—Continued.					
Garages and repair shops:					
Body, fender, and paint shops	3,379	3,754	9,596	15,289	46,106
Garages (repairs, storage, gasoline, oil, accessories)	60,627	69,746	88,357	121,257	693,063
Parking stations, parking garages, and lots	2,059	1,585	5,015	7,442	39,262
Radiator shops (including repairs)	728	818	1,041	1,554	6,569
Other automotive establishments:					
Aircraft and accessories	114	26	882	1,344	5,594
Boats (motor boats, yachts, canoes)	219	208	534	871	10,741
Apparel group	**114,296**	**99,613**	**329,254**	**505,352**	**4,240,893**
Men's and boys' clothing and furnishings stores:					
Men's and boys' clothing stores	3,386	2,407	9,335	18,317	176,419
Men's and boys' hat stores	1,566	907	2,586	4,852	43,744
Men's furnishings stores	9,196	8,798	10,051	17,267	212,032
Men's clothing and furnishings stores	14,049	14,242	45,389	82,928	760,528
Family clothing stores—men's, women's, children's	10,551	9,345	43,555	65,086	552,353
Women's ready-to-wear specialty shops—apparel and accessories	18,253	15,751	100,791	134,582	1,087,601
Women's accessories stores:					
Blouse shops	11	12	30	31	313
Corset and lingerie shops	2,390	2,170	3,624	4,591	49,556
Furriers—fur shops	2,280	2,103	7,506	14,344	106,861
Hosiery shops	1,943	1,211	8,940	9,860	54,830
Knit goods shops	464	364	863	1,056	11,348
Millinery stores (including leased millinery departments)	12,433	10,106	19,106	23,788	161,807
Costume accessories stores (including jewelry, bags, and gloves)	323	254	582	715	6,781
Umbrella shops (including parasols, canes)	127	81	95	115	1,146
Other apparel stores:					
Children's specialty shops	1,019	1,027	1,458	1,861	23,982
Custom tailors	11,284	11,624	23,277	39,138	165,048
Dressmakers	463	486	2,804	4,029	11,611
Infants' wear shops	292	315	335	437	5,983
Mail-order apparel houses	9	2	111	136	2,121
Shoe stores:					
Shoe stores—men's	1,402	418	2,810	5,194	61,507
Shoe stores—women's	1,666	535	8,146	15,673	130,681
Shoe stores—men's, women's, children's	21,191	17,455	37,860	61,351	614,641
Furniture and household group	**58,941**	**51,962**	**249,945**	**404,095**	**2,754,719**
Furniture stores:					
Furniture stores	17,892	16,550	105,296	176,550	1,273,229
Furniture and undertaker	3,590	4,491	5,886	8,790	103,163
Furniture and hardware stores	3,672	4,386	8,260	11,425	134,259
Floor coverings, drapery, curtain, and upholstery stores:					
Drapery, curtain, and upholstery stores	973	975	2,021	2,992	18,735
Floor coverings stores	1,503	1,475	6,348	10,280	73,428
Household appliance stores:					
Household appliance stores (electrical)	6,637	1,939	36,729	55,574	228,810
Household appliance stores	1,757	268	10,202	16,742	99,898
Refrigerator dealers (electric only)	492	325	3,874	6,922	49,012
Refrigerator dealers (electric and gas)	45	37	176	269	1,984
Other home furnishing and appliance stores:					
Aluminumware	58	3	1,333	1,358	4,471
Antique and used furniture dealers	715	768	951	1,649	10,025
Brushes and brooms	269	97	3,388	4,642	9,765
China, glassware, crockery, tinware, enamelware	1,007	922	2,637	3,888	29,822
Picture and framing stores	690	694	1,046	1,507	8,748
Stove and range dealers	398	307	1,031	1,639	9,357
Antique shops	1,384	1,414	2,342	5,062	50,348
Awning, flag, banner, window shade, and tent shops	841	882	1,872	2,661	15,563
Interior decorators	701	616	5,864	11,663	68,817
Lamp and shade shops	280	287	368	485	3,516
Radio and music stores:					
Radio and electrical shops [3]	11,783	11,910	29,999	45,411	337,294
Radio and musical instruments stores [4]	4,254	3,621	20,322	34,513	224,478
Restaurants, cafeteria, and eating places	**134,293**	**148,948**	**419,994**	**396,076**	**2,124,890**
Restaurants, cafeterias:					
Cafeterias	3,124	1,992	56,330	57,888	272,739
Lunch rooms	57,612	64,855	93,121	82,232	541,702
Restaurants with table service	36,214	42,990	222,332	208,590	988,529

[3] See also Electrical shops (without radio) in "Lumber and building group."
[4] See also Music stores (without radio) in "Other retail stores" group.

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No. 790.—RETAIL TRADE: BY KIND OF BUSINESS, 1929—Continued

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, total	Net sales
Restaurants, cafeterias, etc—Continued.					
Lunch counters, refreshment stands, etc:					
Box lunches	161	179	1,123	1,278	6,335
Refreshment stands	7,764	8,003	5,409	5,014	46,005
Fountains—lunches	1,906	1,658	11,982	12,207	64,565
Lunch counters	17,119	18,446	25,966	25,018	162,181
Soft-drink stands	10,393	10,825	3,742	3,858	42,892
Lumber and building group	**52,814**	**43,480**	**215,830**	**359,985**	**2,621,064**
Lumber and building material dealers:					
Lumber and building material dealers	16,911	10,167	96,926	163,437	1,471,745
Lumber and hardware	6,139	3,242	28,868	46,730	457,660
Roofing	2,868	3,165	7,728	11,453	46,160
Dealers in any other single building material	459	482	961	1,235	5,718
Electrical shops (without radio)	4,858	4,895	14,278	23,539	110,131
Heating and plumbing shops:					
Heating appliances and oil burners	1,915	993	10,366	20,320	70,737
Plumbing shops—heating and ventilating	10,794	11,966	35,723	60,003	263,540
Paint and glass stores:					
Glass and mirror shops	588	609	1,093	1,853	9,552
Paint and glass stores	8,282	7,961	19,887	31,415	185,820
Other retail stores	**269,448**	**270,217**	**595,920**	**867,949**	**7,758,941**
Hardware stores	25,330	27,692	48,709	73,272	706,053
Hardware and farm implement stores:					
Farm implements, machinery and equipment dealers	4,980	5,777	7,316	10,591	174,975
Farm implement dealers with hay, grain, and feed	673	721	1,587	2,119	46,818
Hardware and farm implement stores	6,589	7,909	16,130	22,396	296,714
Farmers' supplies:					
Feed stores (flour, feed, grain, fertilizer)	9,953	9,835	15,823	20,035	480,305
Fertilizer stores	1,213	1,234	612	692	21,669
Harness shops	2,567	2,741	1,051	1,370	16,266
Irrigation and drainage equipment and supplies (retail)	46	50	208	346	1,508
Farmers' supply stores	306	300	898	1,216	15,377
Seeds, bulbs, and nursery stock	1,489	1,380	7,884	11,305	70,640
Cooperage—barrels, boxes, crates, casks	119	113	310	365	2,962
Coal and feed stores	4,093	4,193	11,803	16,429	287,707
Grain elevators (sales at retail)	221	189	508	647	17,495
Feed stores with groceries	7,127	8,306	8,163	8,634	205,236
Bookstores:					
Bookstores	2,720	2,358	12,397	18,209	116,371
Circulating libraries	89	93	68	74	650
Cigar stores and cigar stands:					
Cigar stores with fountains	2,234	2,179	3,555	4,253	44,732
Cigar stands	12,239	13,416	10,863	12,219	97,947
Cigar stores without fountains	18,775	18,387	13,115	17,763	267,384
Coal and wood yards—ice dealers: [5]					
Coal and wood yards	15,444	14,787	65,810	101,158	929,829
Ice dealers	3,674	2,942	14,408	20,189	83,540
Drug stores:					
Drug stores without fountains	23,414	24,381	42,467	58,828	541,139
Drug stores with fountains	34,844	33,034	106,113	136,915	1,149,260
Florists	9,328	10,015	22,964	30,760	176,201
Gifts, novelties, and toys—cameras:					
Toy shops	620	613	886	1,061	11,544
Art and gift shops	2,959	3,097	3,591	4,304	38,594
Novelty and souvenir shops	2,227	2,348	2,294	2,349	22,908
Camera dealers—photographic supplies	710	653	3,037	4,251	28,810
Jewelry stores:					
Jewelry stores (installment credit)	837	420	7,450	14,464	93,413
Jewelry stores	19,161	19,562	30,823	55,098	442,868
Luggage and leather goods	1,367	1,255	2,829	4,556	40,312
Music stores (without radio)	2,232	1,943	5,410	8,915	54,742
News dealers	10,285	8,608	16,101	14,890	149,866
Office, school, and store supplies and equipment dealers:					
Office and school supplies	1,176	922	6,832	10,741	61,825
Office and store mechanical appliance dealers (retail)	1,284	347	14,108	30,786	112,756
Office and store furniture and equipment dealers	988	593	6,783	13,315	89,623
Store fixture dealers	348	314	1,163	2,355	16,670
Typewriter dealers	878	476	6,443	11,630	43,150
Opticians and optometrists	3,001	2,687	5,014	10,132	50,000

[5] See also Coal and feed stores above.

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No. 790.—Retail Trade: By Kind of Business, 1929—Continued

Kind of business	Number of stores	Proprietors and firm members	Employees (full time)	Salaries and wages, [1] total	Net sales
Other retail stores—Continued.					
Sporting goods stores, including athletic and playground equipment:					
Sporting goods specialty stores	1,238	1,227	3,190	5,045	44,888
Sporting goods stores with toys and stationery	675	678	1,356	1,941	19,894
Athletic and playground equipment	17	12	52	80	683
Scientific and medical instruments and supplies, at retail	574	399	2,827	4,947	31,166
Stationers and printers:					
Blank books, accounting and legal forms	80	46	510	1,053	4,384
Paper and paper products stores	135	125	413	631	4,700
Printers and lithographers	1,084	1,121	1,726	2,662	11,638
Stationers and engravers	1,572	1,457	7,678	11,730	72,566
Monuments and tombstones	2,564	2,897	4,990	8,770	48,653
Miscellaneous classifications (combined)	25,969	26,385	47,652	72,461	510,511
Secondhand stores	**15,065**	**16,099**	**14,828**	**20,162**	**148,068**
Tires, accessories, and parts (secondhand)	2,820	3,145	3,755	4,685	25,843
Furniture stores (secondhand)	5,643	6,042	3,326	3,959	37,749
Pawn shops (sales)	1,509	1,599	2,396	4,331	35,537
Clothing and shoe stores (secondhand)	2,606	2,697	1,027	1,109	12,042
Building materials and hardware stores (secondhand)	429	421	1,536	2,088	9,286
Book stores (secondhand)	175	172	193	320	2,372
Office appliances (secondhand)	112	114	299	422	2,132
Radios, phonographs, musical instruments (secondhand)	81	86	38	47	497
Other secondhand stores	1,690	1,823	2,258	3,201	22,610

Source: Bureau of the Census, Department of Commerce.

No. 791.—RETAIL SALES FOR INDIVIDUAL CITIES OF 50,000 OR MORE INHABITANTS, 1929

[Net sales in thousands of dollars. For population of cities see Table 29, p. 34.]

City	Number of stores	Employees (full-time)	Net sales	City	Number of stores	Employees (full-time)	Net sales
Akron, Ohio	3,057	11,606	140,469	Cicero, Ill	819	1,251	21,502
Albany, N. Y	1,909	8,669	102,257	Cincinnati, Ohio	6,950	25,933	291,083
Allentown, Pa	1,401	5,402	59,666	Cleveland, Ohio	12,470	46,497	534,061
Altoona, Pa	1,171	3,978	39,092	Cleveland Heights, Ohio	294	968	12,403
Asheville, N. C	664	2,936	29,519	Columbia, S. C	803	3,179	28,689
Atlanta, Ga	3,754	19,602	180,565	Columbus, Ohio	3,722	16,799	170,930
Atlantic City, N. J	1,649	6,331	70,495	Covington, Ky	857	1,962	25,722
Augusta, Ga	898	2,683	24,307	Dallas, Tex	3,445	17,222	178,927
Austin, Tex	756	2,855	31,047	Davenport, Iowa	918	4,130	43,684
Baltimore, Md	12,285	38,907	406,352	Dayton, Ohio	2,010	10,481	118,507
Bayonne, N. J	1,403	1,613	29,381	Dearborn, Mich	265	883	14,580
Beaumont, Tex	759	3,514	36,231	Decatur, Ill	844	3,109	32,709
Berkeley, Calif	1,114	2,606	32,538	Denver, Colo	4,426	19,404	194,163
Bethlehem, Pa	913	1,944	23,387	Des Moines, Iowa	2,031	8,848	89,665
Binghamton, N. Y	1,226	4,178	52,329	Detroit, Mich	17,169	69,013	890,189
Birmingham, Ala	2,799	13,669	129,365	Duluth, Minn	1,286	5,564	55,851
Boston, Mass	9,972	66,244	672,760	Durham, N. C	667	1,891	21,269
Bridgeport, Conn	2,181	6,501	79,410	East Chicago, Ind	752	1,204	17,406
Brockton, Mass	888	2,960	35,004	East Orange, N. J	821	2,056	29,621
Buffalo, N. Y	9,786	28,003	342,855	East St. Louis, Ill	1,057	2,657	33,109
Cambridge, Mass	1,494	4,472	54,904	Elizabeth, N. J	2,171	3,823	60,156
Camden, N. J	1,839	4,418	54,320	El Paso, Tex	1,308	5,289	54,993
Canton, Ohio	1,433	5,308	63,991	Erie, Pa	1,881	4,999	59,033
Cedar Rapids, Iowa	821	3,062	34,932	Evanston, Ill	834	3,994	49,210
Charleston, S. C	830	2,682	25,105	Evansville, Ind	1,588	4,803	47,634
Charleston, W. Va	886	3,693	42,839	Fall River, Mass	1,551	4,012	45,997
Charlotte, N. C	954	4,891	48,135	Flint, Mich	1,754	7,031	93,444
Chattanooga, Tenn	1,345	5,721	58,048	Fort Wayne, Ind	1,459	6,353	69,626
Chester, Pa	1,107	2,041	29,689	Fort Worth, Tex	1,981	9,103	99,859
Chicago, Ill	43,576	177,969	2,127,520	Fresno, Calif	1,451	4,036	52,654

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No. 791.—Retail Sales for Individual Cites of 50,000 or more Inhabitants, 1929—Continued

City	Number of stores	Employees (full-time)	Net sales	City	Number of stores	Employees (full-time)	Net sales
Galveston, Tex	824	2,628	26,966	Passaic, N. J	1,046	1,971	32,688
Gary, Ind	1,283	3,821	48,246	Paterson, N. J	2,166	5,683	85,026
Glendale, Calif	999	2,844	36,805	Pawtucket, R. I	1,056	3,154	40,763
Grand Rapids, Mich	2,560	9,862	114,532	Peoria, Ill	1,432	7,087	70,345
Greensboro, N. C	630	2,677	26,830	Philadelphia, Pa	33,905	102,032	1,083,914
Hamilton, Ohio	661	2,111	28,150	Pittsburgh, Pa	8,547	41,518	441,143
Hammond, Ind	666	2,325	29,882	Pontiac, Mich	833	3,196	44,477
Hamtramck, Mich	648	1,253	19,787	Port Arthur, Tex	491	1,726	21,731
Harrisburg, Pa	1,859	5,619	57,542	Portland, Me	1,225	5,383	56,281
Hartford, Conn	2,313	12,173	128,802	Portland, Oreg	5,150	19,746	208,601
Highland Park, Mich	488	1,929	30,859	Providence, R. I	4,036	16,498	173,489
Hoboken, N. J	1,095	1,593	24,358	Pueblo, Colo	706	2,441	26,944
Holyoke, Mass	1,028	2,511	29,141	Quincy, Mass	869	2,539	32,745
Houston, Tex	3,825	17,229	184,680	Racine, Wis	1,139	2,883	40,738
Huntington, W. Va	916	3,000	33,361	Reading, Pa	1,791	6,100	72,790
Indianapolis, Ind	4,911	22,984	220,628	Richmond, Va	2,558	10,614	104,043
Irvington, N. J	583	951	20,436	Roanoke, Va	985	4,635	42,782
Jackson, Mich	753	3,453	41,548	Rochester, N. Y	5,144	18,370	206,492
Jacksonville, Fla	2,027	7,536	65,910	Rockford, Ill	1,158	4,610	56,510
Jersey City, N. J	4,369	7,676	121,085	Sacramento, Calif	1,567	5,700	73,169
Johnstown, Pa	946	3,934	42,851	Saginaw, Mich	1,040	3,664	47,444
Kalamazoo, Mich	812	3,187	41,973	St. Joseph, Mo	1,217	4,440	44,627
Kansas City, Kans	1,589	3,143	40,517	St. Louis, Mo	12,571	45,574	471,950
Kansas City, Mo	6,188	34,297	349,918	St. Paul, Minn	3,129	15,287	170,733
Kenosha, Wis	690	1,646	25,030	Salt Lake City, Utah	1,546	8,482	89,427
Knoxville, Tenn	1,382	5,618	55,027	San Antonio, Tex	3,315	12,904	120,259
Lakewood, Ohio	609	1,495	22,524	San Diego, Calif	2,349	7,814	94,772
Lancaster, Pa	941	3,674	39,678	San Francisco, Calif	10,849	44,307	474,683
Lansing, Mich	981	4,406	55,801	San Jose, Calif	1,032	3,976	46,942
Lawrence, Mass	1,220	2,725	36,916	Savannah, Ga	1,225	3,996	33,611
Lincoln, Nebr	986	4,797	50,034	Schenectady, N. Y	1,418	4,356	60,419
Little Rock, Ark	1,040	4,680	46,733	Scranton, Pa	2,336	7,616	77,772
Long Beach, Calif	2,107	5,958	78,252	Seattle, Wash	5,625	23,628	252,169
Los Angeles, Calif	17,887	76,584	875,775	Shreveport, La	940	4,436	40,192
Louisville, Ky	3,952	16,092	152,850	Sioux City, Iowa	1,059	4,857	52,145
Lowell, Mass	1,535	4,071	44,650	Somerville, Mass	905	2,368	30,200
Lynn, Mass	1,445	4,466	51,714	South Bend, Ind	1,522	5,725	67,949
Macon, Ga	590	3,005	25,572	Spokane, Wash	1,696	6,766	74,889
Madison, Wis	973	3,907	46,813	Springfield, Ill	1,040	4,520	45,693
Malden, Mass	761	2,053	25,837	Springfield, Mass	2,233	9,579	107,587
Manchester, N. H	1,124	3,112	37,706	Springfield, Mo	865	2,876	30,363
McKeesport, Pa	812	2,354	27,540	Springfield, Ohio	968	3,084	36,119
Medford, Mass	387	922	12,300	Syracuse, N. Y	3,128	11,953	136,592
Memphis, Tenn	3,147	15,381	151,235	Tacoma, Wash	1,604	5,300	61,745
Miami, Fla	2,386	6,618	72,804	Tampa, Fla	1,875	4,963	48,706
Milwaukee, Wis	8,669	29,361	353,894	Terre Haute, Ind	1,260	3,690	37,689
Minneapolis, Minn	5,939	29,103	298,576	Toledo, Ohio	3,724	15,227	180,023
Mobile, Ala	943	3,829	33,062	Topeka, Kans	935	4,116	41,578
Montgomery, Ala	850	3,573	31,875	Trenton, N. J	1,998	6,270	75,061
Mount Vernon, N. Y	896	2,656	38,268	Troy, N. Y	1,148	3,670	45,830
Nashville, Tenn	1,843	8,959	90,024	Tulsa, Okla	1,586	8,868	91,654
Newark, N. J	7,153	26,208	322,778	Union City, N. J	1,356	2,573	39,176
New Bedford, Mass	1,892	4,583	51,758	Utica, N. Y	1,700	4,809	56,978
New Britain, Conn	601	1,482	22,795	Waco, Tex	936	3,394	33,340
New Haven, Conn	3,225	9,428	113,880	Washington, D. C	5,931	31,453	336,262
New Orleans, La	7,912	19,999	162,948	Waterbury, Conn	1,577	4,130	51,568
New Rochelle, N. Y	766	2,749	37,863	Wheeling, W. Va	990	3,995	42,487
Newton, Mass	512	1,632	20,744	Wichita, Kans	1,599	7,150	79,741
New York, N. Y	103,036	316,570	4,272,633	Wilkes-Barre, Pa	1,916	5,933	57,668
Niagara Falls, N. Y	1,118	3,168	38,402	Wilmington, Dela	1,990	5,688	69,245
Norfolk, Va	2,133	7,368	67,087	Winston-Salem, N. C	894	3,027	31,856
Oakland, Calif	5,061	16,489	201,637	Worcester, Mass	2,338	9,528	109,101
Oak Park, Ill	510	2,661	32,741	Yonkers, N. Y	1,851	3,689	60,834
Oklahoma City, Okla	2,432	10,952	118,614	York, Pa	1,111	3,436	35,689
Omaha, Nebr	2,663	11,577	118,184	Youngstown, Ohio	2,040	8,977	96,875
Pasadena, Calif	1,419	5,215	60,035				

Source: Bureau of the Census, Department of Commerce.

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No. 792.—INDEXES OF VALUES OF SALES BY DEPARTMENT STORES: BY FEDERAL RESERVE DISTRICTS AND BY MONTHS

NOTE.—Compiled from reports of about 360 to 560 firms. Indexes have been adjusted for variations in number of firms reporting and monthly indexes for the varying number of business days in the different months. Sales are much affected by changes in price levels

[1923–1925 average=100]

Year	United States	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City [1]	Dallas	San Francisco
1919	78	78	76	79	77	84	94	------	------	93	------	98	68
1920	94	91	91	93	98	93	113	------	------	105	------	117	83
1921	87	89	87	89	86	89	96	81	90	97	------	97	79
1922	88	92	89	91	87	86	90	84	89	93	------	90	83
1923	98	98	96	101	100	97	100	99	99	99	------	96	96
1924	99	100	99	99	99	99	98	98	98	99	95	100	99
1925	103	102	105	100	101	104	102	103	103	102	100	104	105
1926	106	105	109	102	102	107	106	109	105	99	95	109	110
1927	107	106	111	98	102	105	107	110	103	97	96	106	113
1928	108	104	112	96	101	106	107	117	104	90	97	108	117
1929	111	106	117	96	103	110	104	119	105	86	96	110	120
1930	102	100	113	89	92	106	95	105	94	85	95	100	113
1931	91	91	104	78	80	100	84	89	82	76	82	84	100

Month	United States—Unadjusted					United States—With seasonal adjustment				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
January	91	91	90	88	79	107	108	110	107	97
February	89	88	91	89	80	108	106	111	108	98
March	95	97	107	93	92	106	107	112	107	97
April	109	105	103	110	101	106	106	110	107	106
May	105	107	109	105	97	105	107	109	105	97
June	101	102	108	98	90	106	107	113	103	95
July	76	80	79	71	65	105	110	109	100	91
August	85	81	84	77	67	111	107	111	102	88
September	103	113	117	103	87	104	112	114	99	84
October	117	118	122	112	93	107	108	112	102	86
November	126	125	125	113	95	108	108	108	98	83
December	182	192	191	165	142	106	111	108	94	81

[1] Monthly average sales in 1925=100.

No. 793.—INDEXES OF VALUE OF SALES OF MAIL-ORDER HOUSES AND 5-AND-10-CENT CHAIN STORES [1]

NOTE.—Indexes for mail-order houses cover two companies throughout. The number of chain-store companies reporting varied from year to year, but in computing the indexes adjustment has been made for these variations. No adjustment has been made, however, to eliminate the influence of increase in the number of stores operated by the individual companies, which accounts for a considerable part of the increase in the indexes. In the monthly indexes allowance has been made for the varying number of business days in the different months and for seasonal variations. Sales are much affected by changes in price levels

[1923–1925 average=100]

Year	Mail-order houses	5-and-10-cent chain stores
1919	93	53
1920	93	64
1921	65	66
1922	70	74
1923	89	88
1924	98	99
1925	113	113
1926	120	125
1927	126	138
1928	148	150
1929	189	164
1930	169	160
1931	144	157

Month	Mail-order houses			5-and-10-cent chain stores		
	1929	1930	1931	1929	1930	1931
January	147	150	127	146	152	162
February	153	159	129	157	163	163
March	158	141	126	167	165	159
April	169	164	157	153	161	168
May	195	217	182	172	175	168
June	215	200	171	174	161	162
July	211	191	174	162	153	149
August	223	193	173	174	164	160
September	212	172	145	168	156	156
October	195	168	122	159	152	152
November	186	145	117	166	159	147
December	200	168	143	165	154	144

[1] Some of the companies included do not limit the sales prices of individual articles to 10 cents, some selling as high as $1, but all come within the broad classification popularly known as "10-cent stores."

Source tables 792 and 793: Federal Reserve Board and Bureau of Foreign and Domestic Commerce, Department of Commerce.

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No. 794.—HOTELS OPERATING THE ENTIRE YEAR 1929 AND FROM 2 TO 8 MONTHS OF 1929: SUMMARY OF STATISTICS

NOTE.—The hotel census is confined to hotels in the United States having 25 or more guest rooms. It does not include apartment houses, boarding houses, clubs, etc. Hotels that make separate charges for rooms and meals, and hotels that confine their operations to room rentals are classified as European-plan hotels. American-plan hotels are hotels that have a fixed combined rate for rooms and meals. A hotel is classed as "transient" or "permanent" if more than 75 per cent of its patrons are "transient" or "permanent," respectively

[Receipts and salaries and wages in thousands of dollars]

	Total	Plan of operation			Type of occupancy		
		European	American	Mixed American and European	Mainly transient	Mainly permanent	Mixed transient and permanent
HOTELS OPERATING ENTIRE YEAR							
Number of hotels	13,328	10,907	1,097	1,324	4,941	1,702	6,685
Owned by corporations	3,047	2,549	243	255	1,262	424	1,361
Owned by individuals and partnerships	10,281	8,358	854	1,069	3,679	1,278	5,324
Number of guest rooms	1,134,957	969,172	78,020	87,765	438,959	151,900	544,098
Seating capacity of dining rooms	610,762	382,581	109,497	118,684	319,216	52,069	239,477
Receipts, total	962,801	790,740	90,663	81,398	482,542	99,102	381,157
Rooms	485,076	485,076	----------	----------	223,208	61,871	199,997
Meals	223,502	223,502	----------	----------	140,945	11,943	70,614
Rooms and meals	157,056	----------	80,917	76,139	60,613	19,674	76,769
Other sources	97,167	82,162	9,746	5,259	57,776	5,614	33,777
All employees:							
Number, average for the year [1]	291,259	237,531	28,457	25,271	151,367	26,527	113,365
Male	158,997	130,919	15,137	12,941	83,216	13,682	62,099
Female	132,262	106,612	13,320	12,330	68,151	12,845	51,266
Salaries and wages	257,034	213,406	23,713	19,915	130,854	25,005	101,175
Dining and lunch room and kitchen employees—							
Average for the year [1]	100,140	75,022	13,120	11,998	56,677	7,152	36,311
Male	60,480	47,138	6,943	6,399	33,537	4,581	22,362
Female	39,660	27,884	6,177	5,599	23,140	2,571	13,949
Salaries and wages	84,428	65,556	10,066	8,806	47,362	6,175	30,891
All other employees:							
Average for the year [1]	191,119	162,509	15,337	13,273	94,690	19,375	77,054
Male	98,517	83,781	8,194	6,542	49,679	9,101	39,737
Female	92,602	78,728	7,143	6,731	45,011	10,274	37,317
Salaries and wages	172,606	147,850	13,647	11,109	83,492	18,830	70,284
Proprietors and firm members	14,968	11,874	1,366	1,728	5,645	1,694	7,629
Male	10,160	8,268	854	1,038	3,978	1,093	5,089
Female	4,808	3,606	512	690	1,667	601	2,540
HOTELS OPERATING 2 TO 8 MONTHS							
Number of hotels	2,249	370	1,537	342	646	324	1,279
Owned by corporations	541	104	360	77	210	78	253
Owned by individuals and partnerships	1,708	266	1,177	265	436	246	1,026
Number of guest rooms	158,939	26,250	108,872	23,817	50,502	23,559	84,878
Seating capacity of dining rooms	274,571	16,478	210,098	47,995	80,422	43,699	150,450
Receipts, total	76,562	8,849	58,386	9,327	25,465	13,877	37,220
Rooms	5,582	5,582	----------	----------	2,764	394	2,424
Meals	2,631	2,631	----------	----------	1,533	139	959
Rooms and meals	63,224	----------	54,348	8,876	18,761	12,421	32,042
Other sources	5,125	636	4,038	451	2,407	923	1,795
Employees, number:							
April	9,883	1,262	7,565	1,056	4,180	1,626	4,077
July	55,818	3,785	43,978	8,055	16,894	9,229	29,695
October	10,064	1,925	6,649	1,490	2,821	1,629	5,614
December	14,999	3,357	10,253	1,389	6,543	2,629	5,827
Salaries and wages, all employees	15,814	1,868	11,936	2,010	5,405	2,776	7,633
Proprietors and firm members	2,777	381	1,938	458	712	406	1,659
Male	1,661	247	1,137	277	451	242	968
Female	1,116	134	801	181	261	164	691

[1] Based on the reported number of employees as of the 15th of April, July, October, and December.

Source: Bureau of the Census, Department of Commerce.

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34.—CONSTRUCTION

No. 795.—CONSTRUCTION CONTRACTS AWARDED

NOTE.—Data compiled from reports covering contracts awarded in small towns and rural districts as well as large cities. Public works and utilities cover some projects not susceptible to measurement in terms of floor space, such as highways, pipe lines, subways, etc.

[Values in millions and tenths of millions of dollars; floor space in thousands of square feet]

Year	Total	Residential	Commercial	Factories [1]	Public works and utilities [1]	Educational	Hospitals and institutions	Public buildings	Religious and memorial	Social and recreational
27 STATES										
Number of projects:										
1922	107,635	72,988	12,633	3,693	10,609	3,299	718	566	1,710	1,419
1923	105,513	71,594	12,718	3,853	10,682	2,767	601	539	1,420	1,339
1924	109,040	77,708	12,170	3,349	8,785	2,793	659	548	1,651	1,377
1925	132,107	96,822	13,925	4,150	9,249	2,960	733	634	1,766	1,868
1926	132,338	93,722	14,728	4,381	11,125	2,935	799	725	1,865	2,058
1927	143,989	100,138	16,058	4,324	13,684	3,362	997	1,007	2,095	2,324
1928	161,140	112,710	18,053	4,727	16,089	3,497	963	1,099	1,875	2,127
1929	139,232	90,154	18,436	5,282	16,293	3,377	975	1,047	1,684	1,984
1930	108,507	60,426	17,285	3,684	17,930	3,451	1,023	1,148	1,524	2,036
1931	90,233	52,781	11,925	2,246	15,854	2,483	744	1,145	1,200	1,855
Value of construction:										
1922	3,343.8	1,340.1	496.1	278.2	608.8	302.3	86.6	36.0	86.0	109.7
1923	3,503.7	1,583.9	451.6	255.0	685.9	271.3	62.0	22.1	72.0	100.0
1924	3,873.1	1,844.0	517.2	187.6	672.8	317.1	98.0	30.2	96.3	109.8
1925	5,041.9	2,359.8	717.3	278.7	838.7	369.5	97.6	39.7	124.7	215.9
1926	5,418.2	2,335.7	784.1	390.6	1,063.0	321.1	120.8	51.4	127.9	223.5
1927	5,473.2	2,326.9	834.4	302.3	1,099.9	323.8	149.0	64.7	132.3	239.8
1928	5,836.0	2,545.2	785.3	397.8	1,241.6	345.3	153.7	63.6	109.0	194.5
1929	4,999.0	1,736.7	832.7	497.5	1,131.0	342.7	140.8	107.3	88.4	121.9
1930	3,925.2	986.5	565.5	215.1	1,373.5	332.8	152.7	117.5	79.9	101.6
1931	2,636.9	738.8	285.9	92.4	900.2	209.3	108.4	163.4	48.7	89.9
Floor space of building:										
1922	570,076	311,466	95,231	61,833	-------	54,322	11,779	4,380	12,857	18,209
1923	588,014	354,450	93,588	57,646	-------	44,170	10,005	3,480	9,284	15,391
1924	597,541	370,720	94,719	39,361	-------	46,875	12,707	4,725	11,960	16,474
1925	759,728	470,207	124,064	56,356	-------	51,204	12,020	5,586	13,814	26,476
1926	737,424	450,249	121,464	63,325	-------	44,478	13,131	5,592	13,019	26,166
1927	721,766	434,956	118,940	56,062	-------	45,197	16,967	7,484	13,188	28,974
1928	832,916	508,532	134,206	74,708	-------	52,766	18,183	9,009	12,304	23,211
1929	672,648	341,836	136,269	88,702	-------	51,952	17,529	10,390	9,248	16,723
1930	424,424	201,759	82,539	39,834	-------	48,344	17,534	13,322	8,543	12,551
1931	311,058	169,896	41,850	14,999	-------	32,534	14,631	21,049	4,604	11,496
37 STATES [3]										
Number of projects:										
1925	173,720	127,678	19,083	5,139	11,183	4,024	929	856	2,426	2,402
1926	170,723	120,473	20,249	5,456	13,583	3,993	985	995	2,406	2,583
1927	184,604	128,436	21,616	5,361	16,556	4,497	1,194	1,303	2,751	2,890
1928	200,255	139,133	23,583	5,809	19,270	4,759	1,141	1,383	2,520	2,657
1929	172,171	110,498	24,136	6,383	19,369	4,531	1,190	1,303	2,277	2,484
1930	135,269	74,713	22,598	4,675	21,219	4,771	1,221	1,477	2,044	2,551
1931	110,203	63,834	15,456	2,824	18,641	3,250	929	1,454	1,560	2,255
Value of construction:										
1925	6,006.4	2,747.7	872.4	326.6	1,065.9	426.4	111.1	54.5	153.1	248.7
1926	6,380.9	2,671.1	920.9	471.2	1,340.4	381.1	133.1	67.2	148.8	247.1
1927	6,303.1	2,573.3	932.9	375.9	1,382.0	379.8	162.5	79.5	156.5	260.7
1928	6,628.3	2,788.3	884.6	508.8	1,464.5	399.0	164.7	76.2	127.9	214.1
1929	5,750.8	1,915.7	929.2	545.9	1,459.0	381.9	152.2	120.8	106.1	140.0
1930	4,523.1	1,101.3	628.8	256.6	1,651.2	376.1	163.1	139.8	92.8	113.3
1931	3,092.9	811.4	319.4	116.2	1,162.8	228.8	121.2	181.3	53.1	98.7
Floor space of buildings:										
1925	920,537	559,501	160,067	66,900	-------	61,308	14,036	8,293	18,869	31,565
1926	872,574	521,061	152,355	75,705	-------	54,565	14,790	7,856	16,371	29,872
1927	838,298	494,563	141,815	68,130	-------	55,475	18,803	9,941	17,191	32,381
1928	956,841	568,383	159,192	92,903	-------	62,983	20,004	11,287	15,398	26,691
1929	779,747	387,671	161,262	105,523	-------	60,644	19,494	12,626	12,817	19,709
1930	496,074	230,039	97,853	48,020	-------	58,550	19,120	17,024	10,862	14,606
1931	359,345	190,274	51,591	20,108	-------	37,372	16,881	24,256	5,578	13,287

[1] Due to a change in the classification figures for the "Factories" class (previously published as "Industrial") exclude data for power plants for all years, and for pipe lines beginning 1929 (separate figures not available for years prior to 1929), which data are included with "Public works and utilities."

[2] Figures represent the 27 States north and east of, and including, North Dakota, South Dakota, Iowa, Missouri, Tennessee, North Carolina, and South Carolina, together with portions of eastern Kansas and Nebraska and the District of Columbia.

[3] Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.

Source: The F. W. Dodge Corporation.

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No. 796.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By Months [1]

Note.—See headnote, Table 795

Month	Value of construction (thousands of dollars)					Floor space of buildings [2] (thousands of square feet)				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
Total	6,303,055	6,628,286	5,750,791	4,523,115	3,092,850	838,298	956,841	779,747	496,074	359,345
January	384,455	427,169	406,468	323,975	227,956	52,548	63,333	57,356	31,140	24,242
February	393,583	465,331	361,274	317,053	235,405	54,071	68,281	53,465	36,464	28,093
March	620,738	592,567	484,588	456,119	369,981	86,730	87,290	76,531	52,989	37,433
April	604,391	642,237	642,061	482,877	336,925	82,984	93,864	84,375	54,603	38,595
May	552,349	667,097	587,766	457,416	306,079	72,573	93,281	80,445	52,633	38,553
June	632,478	650,466	529,891	600,573	316,148	77,105	93,807	70,751	46,307	32,534
July	534,390	583,432	652,436	366,878	285,997	67,091	81,598	74,873	43,632	32,579
August	552,488	516,970	488,882	346,644	233,106	72,329	78,104	65,483	38,463	29,894
September	521,611	581,674	444,402	331,864	251,110	66,747	75,346	58,466	39,710	29,715
October	562,816	597,104	445,642	336,706	242,094	75,702	85,213	64,389	39,145	30,530
November	466,393	471,482	391,013	253,574	151,196	68,037	72,696	50,471	32,631	20,248
December	477,364	432,756	316,368	249,436	136,852	62,383	64,030	43,141	28,358	16,929

[1] Figures for the 37 States include all except the 11 States in the Mountain and Pacific divisions.
[2] Figures do not include data for floor space for public works and utilities.

Source: The F. W. Dodge Corporation.

No. 797.—CONSTRUCTION CONTRACTS AWARDED IN 37 STATES: By Territories

Note.—See headnote, Table 795. New England includes Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. Metropolitan New York and vicinity includes northern New Jersey, New York City, Long Island, Westchester, Orange, Putnam, and Rockland Counties, N. Y. Up-State New York includes all counties north of Orange, Putnam, and Rockland. Middle Atlantic includes eastern Pennsylvania, southern New Jersey, Maryland, Delaware, District of Columbia, and Virginia. Pittsburgh includes western Pennsylvania, West Virginia, Ohio, and Kentucky. Southern Michigan consists of the southern peninsula. Chicago includes northern Illinois, Indiana, Iowa, and eastern and southern Wisconsin. Central Northwest includes Minnesota, the Dakotas, northern peninsula of Michigan, and northwest Wisconsin. St. Louis includes southern Illinois, eastern Missouri, northeast Arkansas, western Tennessee, and northwest Mississippi. Kansas City includes western Missouri, Kansas, Oklahoma, and Nebraska. Texas includes the State only. New Orleans includes Louisiana, western and southern Arkansas, and eastern and southern Mississippi. Southeastern includes the Carolinas, Georgia, Florida, Alabama, and eastern Tennessee

[Value in thousands of dollars; floor space in thousands of square feet]

Territory	Value						Floor space of buildings [1]	
	1926 [2]	1927 [2]	1928 [2]	1929	1930	1931	1930	1931
Total	6,380,915	6,303,055	6,628,286	5,750,791	4,523,115	3,092,850	496,074	359,345
New England	441,183	412,767	495,581	398,382	354,466	295,019	45,427	36,468
Metropolitan New York and vicinity	1,557,513	1,401,973	1,564,615	1,241,842	938,693	725,061	120,754	106,949
Up-State New York	217,547	282,472	249,702	225,430	188,164	169,718	18,293	15,704
Middle Atlantic	689,414	721,148	787,673	671,500	538,636	356,807	58,455	42,096
Pittsburgh	741,368	758,135	723,416	685,536	567,796	309,540	56,231	32,360
Southern Michigan	349,159	364,482	317,999	356,411	173,537	90,611	22,991	11,247
Chicago	910,905	1,031,962	1,120,906	873,554	560,291	345,583	53,728	33,256
Central Northwest	109,348	92,374	90,092	104,554	98,712	93,815	10,410	8,697
St. Louis	209,395	230,415	277,186	237,223	245,878	120,750	18,236	11,697
Kansas City	237,417	229,415	257,978	255,208	300,284	153,496	25,166	14,676
Texas	232,412	219,105	231,409	217,800	186,026	157,033	22,960	16,443
New Orleans	126,248	106,262	103,513	179,877	102,037	126,484	9,783	7,555
Southeastern	559,005	452,545	408,218	303,473	268,596	148,932	33,640	22,198

[1] Figures do not include data for floor space for public works and utilities. Comparable data for floor space by these territories are not available prior to the year 1929.
[2] Estimates made by the F. W. Dodge Corporation. Due to a change in the boundary line of 4 out of the 8 territories shown previously to the year 1930 it was necessary to estimate the figures for portions of the States now included with the new territories for comparability.

Source: The F. W. Dodge Corporation.

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No. 798.—BUILDING PERMITS ISSUED IN PRINCIPAL CITIES

NOTE.—Figures cover new buildings and repairs to old buildings, but exclude data for installation permits (those for installing boilers, signs, etc.) which are not strictly building operations. These permits are rather numerous, but in value they are of small amount. The number figures represent the number of buildings covered by permits issued (new construction and repairs, etc.), rather than the number of permits. The cities shown had a population of 50,000 or over in 1930. The estimated cost of new buildings only, authorized in 257 identical cities since 1921 is as follows: 1921, $1,573,000,000; 1922, $2,489,000,000; 1923, $3,072,000,000; 1924, $3,208,000,000; 1925, $3,805,000,000; 1926, $3,557,000,000; 1927, $3,138,000,000; 1928, $2,995,000,000; 1929, $2,580,000,000; 1930, $1,451,000,000; 1931, $1,049,000,000. Buildings authorized by permit are not always actually constructed, and the actual cost of those constructed may differ considerably from that originally estimated

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
Akron, Ohio	5,495	5,356	5,560	2,421	1,506	20,196	19,485	21,640	8,777	1,939
Albany, N. Y	2,684	2,226	1,784	1,612	1,229	16,189	14,894	9,035	9,004	6,061
Allentown, Pa	1,663	1,556	1,388	671	428	6,588	5,935	4,510	2,270	968
Altoona, Pa	1,479	1,313	1,932	1,481	1,016	3,041	3,361	1,984	1,369	745
Asheville, N. C	1,187	901	598	383	267	5,987	3,095	2,236	422	234
Atlanta, Ga	4,085	3,952	2,946	3,043	3,239	11,861	27,395	12,564	8,446	3,471
Atlantic City, N. J	1,091	839	701	593	663	5,823	7,411	7,483	1,401	843
Augusta, Ga	1,965	2,233	1,884	989	964	1,459	1,551	1,137	715	732
Austin, Tex			1,139	1,234	1,435			4,477	3,335	2,471
Baltimore, Md	20,625	17,099	19,332	16,943	15,680	28,438	33,945	33,175	27,821	24,691
Bayonne, N. J	338	504	329	226	240	1,950	1,995	1,107	792	448
Beaumont, Tex		1,901	1,852	1,561	1,046		4,327	2,582	2,606	1,021
Berkeley, Calif	2,669	2,487	1,806	1,541	1,143	6,683	6,077	6,369	2,986	1,900
Bethlehem, Pa	803	743	604	381	177	2,477	3,843	2,905	1,065	443
Binghamton, N. Y	2,441	2,273	2,747	2,814	2,590	4,291	3,456	3,988	2,255	969
Birmingham, Ala	5,392	5,687	3,071	2,542	1,716	21,787	14,225	8,234	2,420	1,937
Boston, Mass	9,839	9,255	8,169	7,496	7,694	60,987	55,699	53,834	26,906	33,968
Bridgeport, Conn	1,145	1,135	1,172	1,140	938	5,187	3,527	4,242	2,618	2,753
Brockton, Mass	952	887	927	772	614	1,433	1,726	1,467	1,113	830
Buffalo, N. Y	6,605	5,545	4,326	3,763	3,568	33,073	24,402	24,128	14,825	9,338
Cambridge, Mass	1,057	1,052	941	773	650	9,557	8,084	12,166	11,063	4,991
Camden, N. J	1,751	1,293	1,131	832	609	5,330	7,428	6,164	2,582	1,130
Canton, Ohio	1,944	1,579	1,507	930	627	4,156	3,662	3,456	1,585	640
Cedar Rapids, Iowa	1,358	1,256	1,216	1,227	1,177	2,603	2,438	2,906	2,032	1,606
Charleston, S. C	433	454	673	438	400	586	561	671	1,103	414
Charleston, W. Va	611	601	719	456	325	2,039	2,873	2,241	6,881	1,050
Charlotte, N. C	1,137	1,397	1,086	824	641	5,555	7,458	3,729	2,588	1,318
Chattanooga, Tenn	3,006	2,939	3,218	2,978	2,349	4,874	4,703	2,261	2,934	1,230
Chester, Pa	664	489	343	252	146	2,396	1,747	1,099	1,139	681
Chicago, Ill	26,100	19,982	15,849	10,380	6,619	365,065	323,509	210,798	85,749	66,694
Cicero, Ill	588	547	562	241	142	4,636	3,860	3,609	1,117	1,071
Cincinnati, Ohio	8,662	9,431	8,971	6,667	5,395	30,570	35,459	31,037	33,161	21,467
Cleveland, Ohio	12,108	10,593	9,863	7,637	6,645	45,481	56,159	37,783	32,554	11,991
Columbia, S. C	689	883	620	535	559	1,533	1,610	1,255	1,903	2,073
Columbus, Ohio	6,030	5,350	3,557	2,594	1,738	23,283	16,237	10,613	5,616	3,369
Covington, Ky	726	580	409	343	347	1,722	1,592	1,479	629	761
Dallas, Tex	3,533	3,428	3,251	3,325	3,071	9,774	8,089	9,660	11,028	4,348
Davenport, Iowa	708	1,235	1,489	1,557	1,493	2,053	1,350	2,342	2,462	1,252
Dayton, Ohio	3,118	2,617	2,017	1,697	1,396	10,332	10,358	6,343	5,958	2,895
Decatur, Ill	1,615	1,184	839	447	252	5,790	4,169	3,890	1,991	781
Denver, Colo	7,339	6,154	6,111	5,043	4,183	15,755	16,771	16,576	7,648	6,828
Des Moines, Iowa	1,243	1,299	1,171	1,113	1,171	2,876	4,510	4,082	4,011	3,033
Detroit, Mich	28,104	28,541	26,554	15,313	10,082	145,556	129,260	100,567	48,369	23,435
Duluth, Minn	2,453	2,175	1,700	1,390	1,472	4,431	3,289	3,686	2,168	948
Durham, N. C	642	632	284	233	191	2,588	9,906	1,863	1,047	693
East Chicago, Ind	626	421	525	367	215	4,304	3,482	5,307	1,801	605
East Orange, N. J	1,134	928	769	678	644	12,313	7,632	5,946	2,627	1,411
East St. Louis, Ill	1,200	1,003	895	566	468	5,563	2,707	2,392	1,365	1,052
Elizabeth, N. J	1,454	910	731	433	292	10,923	5,504	4,095	2,384	2,348
El Paso, Tex	1,162	1,014	1,181	1,123	697	1,793	2,144	4,325	2,937	949
Erie, Pa	1,956	1,779	1,694	1,480	1,220	5,393	4,764	6,431	3,302	2,711
Evanston, Ill	1,470	1,040	736	513	354	15,917	13,178	8,196	3,103	3,251
Evansville, Ind	1,861	1,805	1,354	1,639	1,055	3,416	5,111	4,421	1,761	1,188
Fall River, Mass	842	592	607	561	537	1,841	2,836	792	1,189	697
Flint, Mich	8,785	6,700	6,717	3,104	2,103	22,087	14,423	14,684	3,994	1,966
Fort Wayne, Ind	1,844	1,646	1,927	1,351	1,311	6,002	5,011	7,039	3,099	3,188
Fort Worth, Tex	4,812	4,560	3,237	2,616	1,923	28,484	11,544	11,262	10,463	6,345
Fresno, Calif	1,023	1,272	1,784	1,496	1,437	2,691	1,662	1,699	1,333	1,007
Galveston, Tex	2,551	2,243	1,895	1,376	1,371	2,974	2,677	3,613	1,717	2,543
Gary, Ind	2,857	1,966	1,162	743	340	15,017	6,041	3,146	1,177	983
Grand Rapids, Mich	8,386	5,401	4,415	2,640	1,664	12,319	8,187	6,087	2,922	1,147
Greensboro, N. C	1,176	1,179	710	471	511	4,838	5,048	3,134	766	1,135

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No. 798.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
Hamilton, Ohio	632	841	756	502	325	1,783	2,063	2,411	1,552	467
Hammond, Ind	1,321	1,055	777	704	345	6,431	6,527	4,154	1,876	3,314
Hamtramck, Mich	476	518	643	322	228	1,546	1,345	1,066	1,299	121
Harrisburg, Pa	1,037	844	778	676	482	3,569	5,595	7,958	2,519	2,001
Hartford, Conn	2,321	1,931	2,192	1,339	1,331	17,530	11,278	16,144	6,365	4,847
Highland Park, Mich	372	382	383	235	142	2,655	2,603	2,327	624	117
Hoboken, N. J	271	239	265	272	289	1,520	565	748	828	567
Holyoke, Mass	432	350	298	250	243	2,044	1,261	1,256	1,703	766
Houston, Tex	5,880	6,072	3,972	2,741	2,261	27,326	35,310	29,133	17,265	11,863
Huntington, W. Va	509	270	306	201	236	1,547	982	1,455	770	1,096
Indianapolis, Ind	13,572	10,217	6,785	4,919	3,229	23,682	21,967	14,844	7,451	9,339
Irvington, N. J	1,585	903	567	445	380	12,960	6,639	2,134	1,700	1,749
Jackson, Mich	1,201	1,230	1,227	736	506	2,576	2,097	3,492	698	410
Jacksonville, Fla	5,002	3,431	2,557	2,103	2,288	12,768	7,660	4,580	2,410	1,847
Jersey City, N. J	1,554	1,375	1,219	835	725	13,852	13,876	14,585	12,167	1,991
Johnstown, Pa	672	556	522	412	327	1,386	1,095	682	696	605
Kalamazoo, Mich	1,494	1,513	1,349	973	742	2,223	2,035	2,410	1,172	1,085
Kansas City, Kans	1,163	1,043	867	673	596	1,587	1,651	1,844	1,350	667
Kansas City, Mo	2,919	2,345	1,946	1,503	1,396	14,822	15,541	14,845	15,663	8,291
Kenosha, Wis	963	894	945	522	387	4,468	3,726	4,577	1,484	646
Knoxville, Tenn	2,470	2,138	1,220	667	526	5,699	7,115	5,499	3,627	1,035
Lakewood, Ohio	870	625	550	456	391	3,516	4,622	1,830	1,482	797
Lancaster, Pa	856	647	671	520	410	3,005	2,389	1,982	1,381	538
Lansing, Mich	1,301	1,340	1,308	722	470	7,330	5,204	8,738	2,065	1,209
Lawrence, Mass	261	222	241	236	350	913	603	854	618	892
Lincoln, Nebr	1,068	1,070	980	609	627	4,399	3,643	2,560	1,598	1,745
Little Rock, Ark	2,008	1,528	1,376	1,496	848	2,994	4,260	3,268	2,251	2,771
Long Beach, Calif	4,197	4,988	4,949	4,502	3,304	13,639	16,308	18,044	13,058	4,472
Los Angeles, Calif	37,655	33,195	31,722	30,614	25,311	123,027	101,679	93,020	75,357	41,422
Louisville, Ky	3,278	3,215	2,466	1,756	1,174	23,341	18,120	13,205	6,937	5,585
Lowell, Mass	787	633	676	663	537	971	942	704	1,147	627
Lynn, Mass	1,265	1,279	1,133	1,041	802	3,878	3,787	3,942	2,972	1,521
Macon, Ga	1,943	1,817	1,416	674	501	2,886	2,350	988	777	564
Madison, Wis	1,507	1,475	1,155	845	685	4,462	7,630	4,974	2,348	1,345
Malden, Mass	866	630	534	475	495	3,800	2,893	1,894	1,133	985
Manchester, N. H	1,189	970	1,044	1,095	1,045	1,940	1,059	1,241	765	826
McKeesport, Pa	1,905	1,325	1,320	1,231	815	2,356	2,185	1,674	1,052	632
Medford, Mass	1,109	1,131	904	625	608	4,371	4,515	3,483	1,656	2,243
Memphis, Tenn	4,017	4,005	3,178	3,693	2,717	12,403	14,283	8,062	9,501	3,334
Miami, Fla	3,545	1,568	2,511	3,032	2,970	9,541	1,946	3,615	1,917	3,097
Milwaukee, Wis	8,609	7,258	7,501	4,939	3,892	37,748	35,406	37,947	25,285	12,634
Minneapolis, Minn	6,791	6,580	6,054	5,932	5,861	22,430	23,258	20,960	13,449	12,390
Mobile, Ala	872	1,647	1,055	680	443	2,146	3,346	1,667	1,100	881
Montgomery, Ala	1,444	2,916	2,320	1,558	1,194	2,531	3,289	2,769	1,274	820
Mt. Vernon, N. Y	962	946	577	596	516	16,775	14,262	6,179	4,197	3,819
Nashville, Tenn	2,097	2,227	2,327	2,062	1,580	7,078	5,565	5,695	5,517	4,403
Newark, N. J	3,998	2,972	2,763	1,882	1,593	51,452	34,285	28,838	12,379	6,456
New Bedford, Mass	1,422	681	581	520	542	2,167	1,095	789	982	471
New Britain, Conn	1,437	1,227	1,051	592	535	4,104	3,532	1,248	896	1,000
New Haven, Conn	1,514	1,330	1,323	1,193	1,003	11,741	8,798	12,762	15,924	9,491
New Orleans, La	2,433	2,882	1,933	1,227	1,323	15,897	12,628	11,971	6,487	5,526
New Rochelle, N. Y	905	845	740	609	485	9,736	11,233	7,585	5,669	4,340
Newton, Mass	1,628	1,676	1,387	1,048	915	10,139	10,802	6,857	5,870	4,882
New York, N. Y.:										
Borough of Bronx	11,864	10,959	7,811	7,507	7,183	172,588	189,825	95,666	56,116	65,399
Borough of Brooklyn	22,431	18,358	13,271	11,503	11,396	220,969	198,285	146,016	70,632	75,534
Borough of Manhattan	3,832	3,787	3,692	3,396	3,202	290,321	361,723	595,522	198,445	137,371
Borough of Queens	26,579	22,101	16,152	17,583	18,899	184,438	151,566	94,510	77,344	76,754
Borough of Richmond	3,671	3,766	2,868	2,539	2,217	12,017	15,273	10,584	7,629	7,805
Niagara Falls, N. Y	1,343	1,577	1,805	1,640	1,305	4,791	4,869	5,071	3,736	1,249
Norfolk, Va	1,464	1,383	1,185	1,092	1,142	3,347	3,840	2,730	2,603	1,640
Oakland, Calif	7,027	5,092	4,264	3,154	2,734	20,518	19,537	14,396	9,085	7,223
Oak Park, Ill	1,020	836	529	315	240	9,081	9,290	5,721	1,861	1,249
Oklahoma City, Okla	3,168	3,965	4,280	3,270	1,796	12,682	13,522	22,501	26,412	19,019
Omaha, Nebr	1,035	1,169	1,046	854	1,017	4,567	9,050	5,581	5,121	3,915
Pasadena, Calif	2,778	2,452	3,834	4,040	3,285	8,966	5,950	6,987	5,886	4,460
Passaic, N. J	987	975	976	709	629	5,603	3,062	4,870	2,099	604
Paterson, N. J	2,458	2,258	2,123	1,785	1,477	6,370	7,357	4,872	2,088	1,548
Pawtucket, R. I	1,140	991	904	597	525	3,587	2,823	1,995	1,847	962

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No. 798.—Building Permits Issued in Principal Cities—Continued

City and State	Total number of buildings					Proposed cost of buildings (thousands of dollars)				
	1927	1928	1929	1930	1931	1927	1928	1929	1930	1931
Peoria, Ill	1,492	1,418	1,207	1,150	807	3,410	3,951	3,604	3,436	2,515
Philadelphia, Pa	19,082	16,423	10,388	6,430	5,491	117,591	112,226	104,406	53,142	35,265
Pittsburgh, Pa	7,869	7,070	6,128	5,115	4,059	37,111	39,374	35,639	20,730	19,386
Pontiac, Mich	2,114	2,851	2,299	572	444	17,558	13,115	6,219	1,280	341
Port Arthur, Tex	1,351	1,207	972	1,070	626	1,731	1,881	1,979	2,430	905
Portland, Me	1,368	1,351	1,214	1,173	1,117	2,327	2,739	2,133	1,567	1,254
Portland, Oreg	11,294	9,567	7,646	6,041	4,823	28,973	21,276	15,504	12,063	7,156
Providence, R. I	5,442	4,979	5,046	4,835	4,729	23,133	16,004	14,943	10,742	7,913
Pueblo, Colo	1,445	1,458	1,281	1,028	736	1,625	1,467	1,572	538	454
Quincy, Mass	2,201	2,335	1,920	1,438	1,312	5,232	6,870	4,217	2,724	1,783
Racine, Wis	1,373	1,078	1,264	723	333	6,391	4,417	4,783	3,924	1,757
Reading, Pa	2,367	2,179	2,483	2,417	1,543	4,614	3,808	6,111	2,474	2,772
Richmond, Va	3,891	2,317	2,151	1,668	1,543	15,216	8,845	9,146	5,951	3,054
Roanoke, Va	1,156	880	700	499	422	2,584	3,279	2,220	2,006	1,113
Rochester, N. Y	5,665	4,542	3,429	2,490	2,291	22,589	17,621	13,303	8,011	6,303
Rockford, Ill	2,116	1,875	1,652	1,039	583	6,553	5,737	5,083	2,908	647
Sacramento, Calif	2,267	1,859	1,101	1,636	1,377	8,814	5,524	4,381	3,029	3,787
Saginaw, Mich	1,426	1,658	1,801	1,054	825	3,611	4,350	3,121	2,690	485
St. Joseph, Mo	659	284	558	470	453	769	2,005	1,404	1,620	431
St. Louis, Mo	13,035	12,627	9,533	8,120	6,754	41,417	42,828	27,074	17,322	16,620
St. Paul, Minn	4,772	4,999	5,055	3,780	3,959	10,071	8,700	9,365	10,682	12,652
Salt Lake City, Utah	1,000	1,024	1,089	948	968	4,856	5,277	5,691	4,274	3,462
San Antonio, Tex	3,461	4,284	4,550	3,234	2,586	12,190	18,300	18,070	8,488	3,272
San Diego, Calif	6,652	5,150	3,811	3,219	2,831	13,877	12,150	11,415	5,426	5,811
San Francisco, Calif	6,932	6,648	5,505	4,951	5,251	46,449	37,504	33,426	22,414	21,442
San Jose, Calif	1,065	948	937	755	811	3,554	2,541	2,428	3,403	1,803
Savannah, Ga	611	525	317	187	276	2,180	2,137	1,122	1,069	450
Schenectady, N. Y	1,192	1,175	1,341	1,390	1,050	4,318	3,428	3,431	5,339	1,300
Scranton, Pa	1,141	1,189	880	826	744	5,707	4,632	2,947	3,190	1,378
Seattle, Wash	9,906	9,512	7,924	6,577	5,714	29,070	34,807	29,101	30,356	12,483
Shreveport, La	2,426	2,921	2,838	1,924	1,687	3,946	4,846	3,535	1,542	1,600
Sioux City, Iowa	741	799	748	705	668	1,868	2,170	3,130	3,412	1,571
Somerville, Mass	822	407	639	555	559	3,386	1,424	3,076	1,380	980
South Bend, Ind	2,406	2,524	2,445	1,760	1,074	4,889	6,363	7,015	3,709	1,329
Spokane, Wash	2,142	2,187	2,241	2,169	1,757	3,657	5,737	4,148	3,641	2,176
Springfield, Ill	1,134	1,195	1,101	964	850	3,770	3,739	3,112	3,179	2,329
Springfield, Mass	1,954	1,539	1,367	1,062	827	8,906	5,977	5,095	5,703	2,948
Springfield, Mo		628	522	426	347		1,616	1,525	1,115	2,283
Springfield, Ohio	945	1,017	1,006	651	428	1,694	1,557	1,750	777	1,194
Syracuse, N. Y	3,961	3,103	2,512	1,532	1,268	21,990	13,220	11,267	5,399	7,000
Tacoma, Wash	2,453	2,341	2,538	1,621	1,278	4,765	4,660	4,053	4,070	2,002
Tampa, Fla	4,755	3,637	2,405	2,337	2,642	6,145	3,617	1,858	1,302	741
Terre Haute, Ind	1,586	1,696	1,189	879	675	1,213	973	799	687	228
Toledo, Ohio	6,192	5,334	4,802	2,637	1,822	15,514	17,346	13,507	10,405	2,295
Topeka, Kans	1,231	1,117	897	684	591	2,222	1,992	1,751	2,425	2,305
Trenton, N. J	1,353	1,062	824	580	565	4,540	4,106	3,675	2,449	2,421
Troy, N. Y	935	774	781	713	556	3,206	1,324	2,037	3,024	2,201
Tulsa, Okla	3,466	3,829	3,161	2,360	1,501	14,792	13,411	11,757	8,356	4,389
Union City, N. J	1,075	674	462	497	534	3,410	1,121	855	887	1,075
Utica, N. Y	672	680	486	552	326	3,381	3,917	2,497	1,350	1,134
Waco, Tex	373	410	486	360	312	1,574	2,291	2,700	1,154	1,779
Washington, D. C	6,954	6,916	5,641	4,605	5,819	39,263	53,975	56,128	48,824	52,588
Waterbury, Conn	1,287	907	746	541	438	5,016	3,488	2,999	2,037	1,187
Wheeling, W. Va	1,081	843	669	528	421	3,014	1,967	1,768	1,121	645
Wichita, Kans	2,322	2,390	2,712	1,762	1,132	5,849	7,974	8,652	6,308	2,340
Wilkes-Barre, Pa	1,376	1,337	865	774	696	4,934	3,896	3,177	1,669	1,170
Wilmington, Del	1,924	1,969	1,537	1,407	1,055	6,806	5,577	6,143	4,917	3,297
Winston-Salem, N.C	2,444	2,550	1,568	1,217	1,027	6,539	8,531	5,000	1,602	852
Worcester, Mass	2,381	1,999	1,925	1,663	1,304	8,815	7,260	7,251	6,341	5,592
Yonkers, N. Y	2,005	1,934	1,413	1,134	1,265	32,586	35,619	21,366	9,887	10,014
York, Pa	718	954	974	830	891	1,589	2,065	1,458	1,679	792
Youngstown, Ohio	2,291	2,191	1,787	1,029	768	9,007	8,638	5,894	2,801	1,464

Source: Bureau of Labor Statistics, Department of Labor.

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No. 799.—BUILDING PERMITS ISSUED, BY CLASSES

NOTE.—See headnote, Table 798. Figures for all years represent 311 identical cities

Class of building	Number of buildings			Proposed cost (1,000 dollars)		
	1929	1930	1931	1929	1930	1931
Grand total, all buildings	**583,250**	**467,430**	**396,888**	**3,035,776**	**1,766,145**	**1,287,463**
Total new buildings	**307,062**	**210,141**	**165,617**	**2,668,301**	**1,505,779**	**1,090,394**
New residential buildings	**126,952**	**73,201**	**59,877**	**1,477,620**	**625,901**	**441,807**
1-family dwellings	104,798	61,656	51,638	516,296	306,186	247,065
2-family dwellings	12,990	7,187	5,409	99,141	53,986	37,781
1-family and 2-family dwellings with stores	1,501	874	505	14,262	6,986	3,782
Multifamily dwellings	6,662	3,019	2,117	490,957	193,174	131,977
Multifamily dwellings with stores	565	205	93	34,920	12,250	9,250
Hotels	275	79	18	284,604	24,778	1,893
Lodging houses	23	11	10	429	219	336
Other	138	170	87	37,011	28,323	9,722
New nonresidential buildings	**180,110**	**136,940**	**105,740**	**1,190,681**	**879,878**	**648,588**
Amusement buildings	748	1,450	521	43,215	43,375	23,443
Churches	855	698	471	40,882	29,575	18,555
Factories and workshops	3,927	2,679	1,451	141,620	109,491	48,541
Public garages	4,071	1,948	1,068	49,198	26,828	11,039
Private garages	135,637	97,458	77,937	48,637	33,723	23,236
Service stations	4,207	5,778	3,713	19,928	21,869	9,953
Institutions	274	272	232	75,703	58,258	56,329
Office buildings	1,136	703	271	240,950	160,741	106,679
Public buildings	327	434	391	87,554	85,821	127,548
Public works and utilities	629	603	437	45,444	45,237	42,144
Schools and libraries	753	754	544	128,897	126,908	110,799
Sheds	10,649	10,725	9,228	4,456	3,865	2,780
Stables and barns	324	267	254	969	438	472
Stores and warehouses	12,085	8,916	6,624	254,475	127,832	64,343
All other	4,488	4,255	2,598	8,752	5,914	2,727
Additions, alterations, and repairs	276,188	257,289	231,271	367,475	260,365	197,069

Source: Bureau of Labor Statistics, Department of Labor.

No. 800.—INDEX NUMBERS OF BUILDING MATERIAL PRICES AND CONSTRUCTION COSTS

[Monthly average 1923–1925=100]

Year and quarterly average	(1) Wholesale price indexes of—							(2) Construction costs	(3) Factory building costs	(4) Frame house materials, retail prices	(4) Brick house materials, retail prices
	All building materials	Lumber	Brick	Portland cement f. o. b. plant [1]	Structural steel [2]	Paint materials	Other building materials				
1913	54.4	52.0	38.0	56.5	68.0	49.1	61.1	47.1	------	49.7	49.2
1914	50.6	48.0	37.9	52.2	52.9	49.0	57.8	41.8	50.5	------	------
1915	51.3	46.9	38.2	48.4	57.6	53.0	63.0	43.7	------	------	------
1916	64.9	53.0	41.4	62.0	113.7	74.6	85.0	69.5	------	------	------
1917	84.6	69.5	49.0	76.2	168.3	92.2	110.4	85.4	------	------	------
1918	94.6	80.4	65.1	89.8	135.1	117.9	117.1	89.2	------	------	------
1919	110.9	108.8	89.7	97.1	113.5	135.7	113.1	93.5	------	------	------
1920	144.0	159.0	115.6	111.2	127.3	143.2	130.7	118.5	------	------	------
1921	93.5	85.6	103.2	105.1	92.1	81.1	107.6	95.1	90.1	------	------
1922	93.4	95.4	97.1	98.2	78.0	90.7	92.3	82.3	85.9	90.5	91.6
1923	104.3	107.6	101.2	102.4	109.1	98.0	102.1	100.9	101.9	102.7	103.0
1924	98.2	95.6	101.0	100.3	100.7	96.4	100.7	101.6	100.1	100.0	100.1
1925	97.6	96.8	97.8	97.3	90.1	105.7	97.2	97.5	98.1	97.2	96.8
1926	96.0	96.2	97.7	94.9	88.2	96.7	96.8	98.1	99.5	96.7	95.9
1927	89.5	89.0	91.0	91.7	83.5	88.0	91.1	97.3	97.2	92.9	92.6
1928	89.9	86.7	90.5	91.0	84.0	83.8	98.1	97.5	96.4	88.4	90.1
1929	93.2	91.0	89.0	87.1	86.5	88.3	103.5	97.6	[3] 95.9	88.0	89.6
1930	86.7	82.5	82.7	87.1	77.0	82.1	97.9	95.7	[3] 94.3	85.9	87.3
1931	74.5	66.0	78.7	75.3	73.3	66.1	88.4	85.5	[3] 88.8	78.7	81.5
1931											
January–March	78.9	71.7	79.7	83.0	73.9	69.0	92.4	92.0	[4] 91.3	81.3	84.0
April–June	75.7	67.2	79.0	75.4	74.3	68.7	90.1	89.3	[4] 88.8	78.5	82.0
July–September	72.3	63.4	78.3	71.9	72.8	64.9	86.2	81.3	[4] 87.8	77.0	80.1
October–December	70.9	61.9	77.7	71.0	72.0	61.6	84.9	79.4	[4] 86.8	77.9	79.8

[1] Indexes, 1913 to 1918, based on average price for United States; thereafter on average price for 6 plants.
[2] Pittsburgh district. Based on average mill price per 100 pounds of structural shapes, 3 inches and larger.
[3] Average of March, June, September, and December. [4] Index for last month of quarter.

Sources: (1) Department of Labor; (2) Lumber, steel, cement, and rates paid common labor, Engineering News-Record; (3) Standard factory building, Aberthaw Construction Co.; (4) Retail prices of building material in 60 cities, Department of Commerce.

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No. 801.—CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER $25,000 DURING 1929: VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES BY STATES

NOTE.—The construction business of 113,799 active reporting establishments which did a business of less than $25,000 during 1929 amounted to $1,035,454,000 (figure partially estimated)

Division and State	Number of establishments	Value of construction business (1,000 dollars)			Principal expenditures (1,000 dollars)			Projected average number of workmen employed throughout the year [1]
		Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	
Continental U. S.	**30,597**	**6,250,267**	**4,911,766**	**1,338,501**	**1,455,494**	**1,467,542**	**2,055,595**	**828,772**
New England	**2,780**	**474,849**	**392,224**	**82,625**	**104,657**	**130,650**	**144,376**	**73,479**
Maine	142	13,100	11,408	1,692	1,507	4,513	4,185	2,843
New Hampshire	113	9,992	7,972	2,020	857	3,106	4,091	2,080
Vermont	61	5,878	4,955	923	266	1,898	2,611	1,243
Massachusetts	1,434	306,094	255,229	50,865	76,316	81,454	88,448	45,086
Rhode Island	226	30,675	25,317	5,358	5,385	8,566	9,958	4,997
Connecticut	804	109,110	87,343	21,767	20,326	31,111	35,083	17,230
Middle Atlantic	**8,546**	**2,219,827**	**1,709,448**	**510,379**	**610,855**	**519,448**	**658,851**	**250,447**
New York	4,372	1,323,724	993,098	330,626	385,625	318,537	363,751	139,508
New Jersey	1,483	292,175	238,500	53,675	57,114	66,005	110,025	33,018
Pennsylvania	2,691	603,928	477,851	126,078	168,116	134,906	185,075	77,921
East North Central	**7,934**	**1,568,591**	**1,202,108**	**366,483**	**343,927**	**374,717**	**542,728**	**202,122**
Ohio	2,043	400,298	317,307	82,991	89,779	90,596	144,722	53,679
Indiana	746	104,623	87,834	16,789	17,863	25,462	40,614	16,004
Illinois	2,497	589,011	440,190	148,821	134,487	151,494	186,280	72,344
Michigan	1,501	329,380	242,419	86,961	76,387	73,578	115,431	39,052
Wisconsin	1,147	145,279	114,357	30,921	25,411	33,588	55,681	21,043
West North Central	**2,490**	**438,590**	**369,185**	**69,406**	**71,046**	**104,914**	**160,143**	**72,716**
Minnesota	561	105,798	88,829	16,969	17,687	25,739	35,259	17,081
Iowa	486	76,782	70,717	6,065	8,122	18,795	30,042	12,705
Missouri	759	152,664	120,419	32,245	32,368	36,996	52,422	24,706
North Dakota	81	8,388	7,348	1,040	960	1,817	3,557	1,077
South Dakota	70	8,364	7,583	781	773	1,894	2,958	1,682
Nebraska	243	45,345	39,543	5,802	5,031	10,451	18,631	8,321
Kansas	290	41,249	34,745	6,504	6,105	9,223	17,274	7,144
South Atlantic	**2,184**	**439,732**	**347,907**	**91,825**	**101,494**	**95,665**	**152,128**	**72,824**
Delaware	91	18,696	14,063	4,633	3,907	4,050	6,702	2,412
Maryland	407	108,075	81,048	27,027	26,045	23,494	33,390	15,348
District of Columbia	253	66,201	49,781	16,420	26,355	13,486	15,501	8,826
Virginia	337	54,313	42,710	11,603	12,631	12,443	19,604	9,605
West Virginia	169	23,375	20,438	2,936	3,322	6,086	7,946	4,351
North Carolina	293	54,786	46,043	8,743	6,986	12,032	24,767	9,523
South Carolina	116	16,622	13,617	3,005	1,789	3,797	8,161	3,647
Georgia	230	57,077	45,840	11,237	10,587	11,293	23,624	11,578
Florida	288	40,587	34,366	6,220	9,872	8,983	12,435	7,534
East South Central	**936**	**164,952**	**130,341**	**34,611**	**27,852**	**35,474**	**62,133**	**29,355**
Kentucky	330	43,319	32,965	10,355	8,998	9,394	13,872	7,252
Tennessee	314	62,826	45,794	17,032	9,761	13,349	23,706	10,807
Alabama	197	45,859	40,630	5,229	7,018	9,813	19,380	8,934
Mississippi	95	12,948	10,953	1,995	2,075	2,918	5,177	2,362
West South Central	**1,609**	**307,705**	**259,633**	**48,071**	**50,855**	**69,823**	**118,365**	**47,596**
Arkansas	118	17,022	15,135	1,886	2,465	3,915	7,156	2,320
Louisiana	178	34,943	29,486	5,457	6,344	7,507	11,733	6,332
Oklahoma	312	56,298	48,723	7,575	7,086	13,028	22,225	8,976
Texas	1,001	199,442	166,289	33,153	34,960	45,373	77,250	29,968
Mountain	**709**	**90,105**	**73,189**	**16,916**	**15,902**	**21,247**	**29,218**	**13,169**
Montana	119	11,423	9,520	1,903	1,215	2,958	4,551	1,608
Idaho	44	7,120	6,570	551	852	2,207	1,168	1,782
Wyoming	40	3,061	2,707	354	296	848	984	439
Colorado	211	28,016	22,098	5,918	4,976	6,440	10,009	4,127
New Mexico	41	6,563	6,010	552	819	1,412	2,030	862
Arizona	105	12,932	9,468	3,464	2,610	2,595	4,969	1,616
Utah	129	17,350	13,570	3,780	4,451	4,041	4,717	2,470
Nevada	20	3,639	3,245	394	683	747	790	265
Pacific	**3,409**	**545,915**	**427,730**	**118,185**	**128,906**	**115,604**	**187,653**	**67,064**
Washington	404	66,728	56,950	9,778	11,465	16,622	25,616	9,274
Oregon	249	30,870	25,526	5,343	4,555	7,935	10,915	4,724
California	2,756	448,317	345,253	103,064	112,886	91,048	151,122	53,066

[1] The average number of workmen reported as employed on the fifteenth of each month (or nearest representative day), including estimates for a considerable number of establishments which failed to report the number of workmen employed. Salaried employees are not included.

Source: Bureau of the Census, Department of Commerce.

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No. 802.—VALUE OF BUSINESS AND PRINCIPAL EXPENDITURES OF CONSTRUCTION ESTABLISHMENTS WHICH DID A BUSINESS OF OVER $25,000 DURING 1929: BY CLASS OF ESTABLISHMENTS, CONTINENTAL UNITED STATES

[All money figures in thousands of dollars]

Classification of establishment	Number of establishments	Value of construction business			Principal expenditures			Projected average number of workmen employed throughout the year [1]
		Total	Under general contract or directly for owner	Under subcontract	Subcontract work let	Wages paid	Cost of materials	
All classes	30,597	6,250,267	4,911,766	1,338,501	1,455,494	1,467,542	2,055,595	328,772
Operative builders	750	153,524	153,519	5	103,142	13,146	22,602	7,418
General contractors	14,766	4,217,367	4,171,886	45,480	1,290,878	914,112	1,188,687	565,179
Building	10,131	2,622,047	2,611,366	10,681	1,124,702	502,676	652,167	286,962
Building not specialized	7,062	2,149,941	2,139,919	10,022	919,417	424,776	527,438	245,043
Commercial only	539	132,627	132,473	154	67,126	23,702	25,284	11,777
Manufacturing only	75	93,828	93,815	13	32,185	12,463	34,580	7,865
Residential only	2,455	245,651	245,159	492	105,974	41,736	64,865	22,277
Highway	1,514	443,064	436,443	6,621	43,789	102,294	165,341	78,733
Bridge and culvert	475	137,206	129,086	8,120	11,893	35,596	55,658	23,761
Grading	396	47,733	45,897	1,836	4,400	16,399	3,532	11,213
Street paving	984	282,760	276,319	6,441	25,230	61,282	109,106	42,773
Sewer, gas, water, conduit	494	115,153	113,352	1,801	5,959	36,056	41,011	22,683
Dam and reservoir	87	28,483	28,003	480	2,351	8,280	8,229	4,923
Waterworks	105	44,210	43,510	700	2,684	16,601	17,857	7,086
Dredging, river, harbor, etc	193	104,463	100,856	3,607	7,719	28,423	20,732	19,808
Levee	34	5,631	5,519	112	631	1,490	392	1,185
Railroad	137	105,302	103,026	2,276	12,815	34,840	24,177	24,432
Foundation	56	8,282	8,057	225	988	2,475	2,695	1,367
Central station, light and power plant	86	158,160	157,667	493	35,463	37,491	55,678	21,954
Air transport work	7	2,416	2,317	99	250	860	696	555
Refuse disposal plant	7	1,721	1,721	----------	193	527	445	240
Oil and natural gas pipe line	22	29,507	29,493	14	2,837	9,370	8,178	5,312
Subway (other than buildings)	24	71,818	69,888	1,930	5,782	22,451	21,013	10,923
Vehicular subway and tunnel	3	3,772	3,772	----------	3,025	130	138	75
Telephone line and system	9	5,158	5,114	44	102	1,805	1,436	1,152
Miscellaneous, n. e. s	2	481	481	----------	65	67	206	42
Subcontractors	15,081	1,879,376	586,361	1,293,015	61,474	540,284	844,306	256,175
Carpentering and wood flooring	382	36,611	10,359	26,252	2,600	11,160	14,829	4,898
Concreting	477	66,312	13,716	52,596	2,468	23,740	23,117	13,766
Electrical	1,928	198,487	78,531	119,956	1,509	61,683	87,768	26,330
Elevator construction	129	77,376	12,469	64,907	1,727	13,048	50,697	5,395
Heating and plumbing	5,583	611,886	237,782	374,104	18,298	148,602	319,128	72,246
Heating and piping	1,423	221,996	93,087	128,909	11,291	48,616	116,004	23,761
Plumbing	2,808	256,834	80,209	176,625	4,332	66,393	135,603	31,444
Plumbing and heating combined	1,218	93,738	44,937	48,801	1,947	22,922	48,754	11,827
Miscellaneous	134	39,319	19,549	19,770	728	10,672	18,767	5,214
Masonry	673	85,023	24,508	60,515	2,634	32,749	34,191	16,045
Painting and decorating	1,102	83,899	26,858	57,041	926	43,504	17,623	19,509
Glass and glazing	154	16,653	2,660	13,993	286	3,063	8,888	1,334
Plastering and lathing	623	83,313	6,984	76,329	4,633	42,712	21,749	16,675
Roofing and sheet metal work	1,697	145,095	39,388	105,707	2,379	37,302	64,118	21,026
Steel erection	300	135,716	56,914	78,802	10,498	25,285	71,285	11,661
Stone work	173	27,085	2,913	24,172	1,196	9,265	9,685	4,169
Marble and tiling	851	112,950	14,417	98,533	1,372	34,213	50,626	15,233
Wrecking	44	3,816	152	3,664	50	2,045	26	920
Excavating	293	39,813	7,049	32,764	2,668	14,269	2,025	8,221
Ornamental iron	227	36,077	2,396	33,681	1,256	6,696	17,811	2,669
Highway	26	4,174	379	3,795	65	974	1,543	605
Bridge and culvert	14	1,496	210	1,286	88	534	513	464
Grading	59	5,636	1,094	4,542	285	2,014	238	1,533
Street paving	18	3,324	479	2,845	31	987	1,212	555
Sewer, gas, water, conduit	14	5,480	4,147	1,333	25	2,085	1,724	1,260
Dam, reservoir, and waterworks	4	334	88	246	2	92	182	58
Dredging, river, harbor, etc	13	2,346	787	1,559	10	664	781	381
Soundproofing	26	5,556	962	4,594	75	1,181	2,825	539
Railroad	3	934	222	712	230	294	242	290
Foundation	25	22,950	4,877	18,073	3,841	6,922	6,091	3,365
Power plant	4	1,064	858	206	17	238	659	149
Metal work, n. e. s	136	52,189	30,985	21,204	1,957	11,222	29,209	4,840
Flooring, n. e. s	81	10,760	2,887	7,873	116	2,651	5,281	1,293
Miscellaneous n. e. s	22	3,020	1,289	1,731	232	1,089	238	746

[1] See footnote 1, Table 801.

Source: Bureau of the Census, Department of Commerce.

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APPENDIX

UNITED STATES UNITS WITH METRIC EQUIVALENTS

1 inch=2.540 centimeters.
1 foot=0.3048 meter.
1 yard=0.9144 meter.
1 mile=1.609 kilometers.
1 square yard=0.8361 square meter.
1 acre=0.4047 hectare.
1 square mile=2.590 square kilometers.
1 cubic inch=16.39 cubic centimeters.
1 cubic foot=0.02832 cubic meter.
1 cubic yard=0.7646 cubic meter.
1 liquid quart=0.9463 liter.
1 gallon=231 cubic inches=3.785 liters.
1 bushel (measured)=2,150.4 cubic inches=35.24 liters.
1 avoirdupois ounce=28.35 grams.
1 troy ounce=31.10 grams.
1 pound=0.4536 kilogram.
1 long ton=2,240 pounds=1.0160 metric tons of 1,000 kilograms.
1 short ton=2,000 pounds=0.9072 metric ton.

UNITED STATES GALLON AND BUSHEL WITH BRITISH EQUIVALENTS

1 United States gallon=231 cubic inches=0.8331 imperial gallon.
1 United States bushel=2,150.4 cubic inches=0.9694 imperial bushel.

OFFICIAL WEIGHTS OF THE BARREL OF NONLIQUID PRODUCTS

	Pounds	Kilograms
Wheat flour, barley flour, rye flour, and corn meal (net)[1]	196	88.90
Rosin, tar, and pitch (gross)	500	226.80
Fish, pickled (net)	200	90.72
Lime (net)	200	90.72
Cement (4 bags counted as 1 barrel) (net)[1]	376	170.55

[1] Except as noted.

OFFICIAL WEIGHTS OF THE UNITED STATES BUSHEL

	Pounds	Kilograms
Wheat, beans, peas, potatoes (Irish or white)	60	27.22
Rye, corn (maize), linseed (flaxseed), maslin (mixed grain)	56	25.40
Barley, buckwheat	48	21.77
Onions	57	25.86
Rough rice	45	20.41
Malt	34	15.42
Oats	32	14.51
Peanuts, green, in shell	22	9.98
Castor beans	50	22.68

APPROXIMATE WEIGHT OF PETROLEUM AND PRODUCTS

In the United States petroleum and its products are measured by bulk, not weight. Whether handled in containers or without them the quantities are customarily reduced to the equivalent of barrels of 42 United States gallons (barrel thus equals 158.984 liters). In many foreign countries these commodities are measured by weight. The specific gravity of the different grades of crude petroleum and of the finished products varies materially. On the basis of approximate averages the Department of Commerce in converting foreign weight statistics to gallons or barrels of 42 gallons uses the factors shown in the following table:

	Weight of United States gallon		Weight of barrel of 42 gallons	
	Pounds	Kilograms	Pounds	Kilograms
Crude petroleum	7.3	3.311	306.6	139.07
Lubricating oils	7.0	3.175	294.0	133.36
Illuminating oils (kerosene)	6.6	2.994	277.2	125.74
Gasoline and related products (motor spirit, benzine, etc.)	6.1	2.767	256.2	116.21
Fuel and gas oils	7.7	3.493	323.4	146.69

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