

# **EMPLOYMENT and PAY ROLLS**

**DETAILED REPORT  
APRIL 1949**

**United States Department of Labor  
Bureau of Labor Statistics**

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## N O T E

The July 1949 issue of this report, planned for issuance in September, will contain employment information for a new listing of manufacturing industries based on the new Standard Industrial Classification structure. That classification system, currently being adopted by a number of governmental agencies, redefines a number of industries and sets up new industrial groupings. The new employment series will also incorporate the reclassification of individual establishments to reflect current product or activity, in contrast to the prewar basis now in use. The revised employment data will, therefore, result in improved comparability with other economic series. At the time that the new series are published, monthly data will be made available for the period from January 1947 to date.

Owing to the extensive revisions now underway, it will be necessary to omit the June 1949 issue of this report presenting statistics in detail for 168 industries. The Preliminary Employment Release containing summary statistics for major industry divisions and groups will continue to be issued monthly as usual. More detailed information with respect to the forthcoming series will appear next month in the May 1949 report.

## EMPLOYMENT AND PAY ROLLS

## Detailed Report

April 1949

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Data for the 2 most recent months  
shown are subject to revision

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Explanatory notes outlining briefly the  
concepts, methodology, and sources used  
in preparing data for this report appear  
in the appendix. See pages i - ix.

**TABLE 1: Number of Wage and Salary Workers in Nonagricultural Establishments, by Industry Division**

(In thousands)

Industry division	1949			1948	
	April	March	February	April	March
<b>TOTAL</b>	43,937	43,893	44,019	44,299	44,600
Manufacturing	15,338	15,625	15,777	15,950	16,269
Mining	919	914	922	817	924
Contract construction	1,937	1,841	1,820	1,933	1,805
Transportation and public utilities	3,929	3,912	3,956	3,974	4,032
Trade	9,685	9,525	9,513	9,576	9,598
Finance	1,728	1,717	1,712	1,704	1,697
Service	4,628	4,597	4,560	4,768	4,729
Government	5,773	5,762	5,759	5,577	5,546

See explanatory notes, sections A - H, and the glossary for definitions.

TABLE 2: Number of Wage and Salary Workers in Manufacturing Industries,  
by Major Industry Group

(In thousands)

Major industry group	1949			1948	
	April	March	February	April	March
ALL MANUFACTURING	15,338	15,625	15,777	15,950	16,269
DURABLE GOODS	7,665	7,807	7,898	8,164	8,258
Iron and steel and their products	1,788	1,836	1,868	1,897	1,929
Electrical machinery	664	684	699	742	756
Machinery, except electrical	1,442	1,487	1,515	1,562	1,587
Transportation equipment, except automobiles	565	575	577	589	589
Automobiles	969	960	952	979	985
Nonferrous metals and their products	424	439	449	475	482
Lumber and timber basic products	805	799	793	833	827
Furniture and finished lumber products	512	518	527	561	576
Stone, clay, and glass products	496	509	518	526	527
NONDURABLE GOODS	7,673	7,818	7,879	7,786	8,011
Textile-mill products and other fiber manufactures	1,220	1,272	1,313	1,425	1,435
Apparel and other finished textile products	1,307	1,365	1,366	1,268	1,334
Leather and leather products	402	412	412	418	442
Food	1,707	1,694	1,694	1,562	1,655
Tobacco manufactures	95	96	96	99	100
Paper and allied products	463	470	476	476	480
Printing, publishing, and allied industries	725	725	727	718	722
Chemicals and allied products	758	774	777	767	773
Products of petroleum and coal	237	237	237	238	238
Rubber products	226	232	235	246	253
Miscellaneous industries	533	541	546	569	579

See explanatory notes, sections A - H, and the glossary for definitions.

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TABLE 3: Number of Wage and Salary Workers in Selected Nonmanufacturing Industries, by Major Industry Group

(In thousands)

Major industry group	1949			1948	
	April	March	February	April	March
MINING	919	914	922	817	924
Anthracite	80	80	81	82	82
Bituminous coal	407	409	417	309	419
Metal	106	105	104	103	102
Quarrying and non-metallic	91	87	85	93	90
Crude petroleum and natural gas production <u>1/</u>	235	233	235	230	231
TRANSPORTATION AND PUBLIC UTILITIES	3,929	3,912	3,956	3,974	4,032
Transportation	2,679	2,663	2,703	2,744	2,808
Communication	731	732	736	731	728
Other public utilities	519	517	517	499	496
GOVERNMENT	5,773	5,762	5,759	5,577	5,546
Federal	1,885	1,877	1,877	1,771	1,758
State and local	3,888	3,885	3,882	3,806	3,788

See explanatory notes, sections A - H, and the glossary for definitions.

1/ Includes well drilling and rig building.

TABLE 4: Federal Civilian Employment and Pay Rolls in All Areas and in Continental United States, and Total Civilian Government Employment and Pay Rolls in Washington, D. C. 1/

(In thousands)

Area and branch	Employment (as of first of month)				Pay rolls (total for month)			
	1949		1948		1949		1948	
	April	March	February	April	April	March	February	April
<u>All Areas</u>								
TOTAL FEDERAL	2,095.8	2,089.8	2,089.0	2,010.0	\$540,481	\$575,946	\$518,293	\$488,293
Executive	2,056.2	2,050.6	2,049.8	1,970.3	530,520	565,652	508,471	478,773
Defense agencies	935.0	934.4	935.2	903.6	229,254	250,618	220,788	215,280
Post Office Department	476.4	475.0	475.0	438.8	125,308	124,348	119,978	100,893
Other agencies	644.8	641.2	639.6	627.9	175,958	190,686	167,705	162,600
Legislative	7.5	7.5	7.4	7.2	2,720	2,763	2,650	2,482
Judicial	3.6	3.6	3.6	3.5	1,307	1,455	1,306	1,322
Government corporations	28.5	28.1	28.2	29.0	5,934	6,076	5,866	5,716
<u>Continental United States</u>								
TOTAL FEDERAL	1,905.1	1,897.2	1,897.7	1,781.2	502,280	534,033	481,197	449,295
Executive	1,872.6	1,864.7	1,865.2	1,748.6	493,019	524,509	472,025	440,448
Defense agencies	784.0	780.8	782.0	711.0	200,136	218,474	192,441	184,012
Post Office Department	474.7	473.2	473.3	437.2	124,843	123,889	119,540	100,543
Other agencies	613.9	610.7	609.9	600.4	168,040	182,146	160,044	155,893
Legislative	7.5	7.5	7.4	7.2	2,720	2,763	2,650	2,482
Judicial	3.5	3.5	3.5	3.4	1,272	1,414	1,268	1,288
Government corporations	21.5	21.5	21.6	22.0	5,269	5,347	5,254	5,077
<u>Washington, D. C.</u>								
TOTAL GOVERNMENT	241.4	239.9	238.9	227.6	71,402	77,219	68,569	63,907
D. C. government	19.3	19.1	19.1	18.6	4,574	4,801	4,418	4,495
Federal	222.1	220.8	219.8	209.0	66,828	72,418	64,151	59,412
Executive	214.0	212.7	211.8	201.2	63,882	69,411	61,283	56,719
Defense agencies	72.4	72.0	71.7	66.6	20,284	22,190	19,984	17,244
Post Office Department	7.7	7.0	7.6	7.4	2,125	2,121	2,070	2,277
Other agencies	133.9	133.1	132.5	127.2	41,473	45,100	39,229	37,198
Legislative	7.5	7.5	7.4	7.2	2,720	2,763	2,650	2,482
Judicial	.6	.6	.6	.6	226	244	218	211

See the glossary for definitions.

1/ Data for Central Intelligence Agency are excluded.



6.

TABLE 5: Personnel and Pay of the Military Branch of the Federal Government <sup>1/</sup>

(In thousands)

Designation	1949			1948	
	April	March	February	April	March
PERSONNEL (as of first of month)					
Total	1,666	1,681	1,687	1,417	1,423
By branch:					
Army	689	703	712	538	544
Air Force	417	417	416	368	365
Navy	450	451	450	412	413
Marine Corps	87	87	87	79	80
Coast Guard	23	22	22	20	20
By sex:					
Men	1,649	1,664	1,671	1,400	1,406
Women	17	16	16	16	17
PAY (for entire month)					
Total	\$292,447	\$289,063	\$290,041	\$285,210	\$285,011
By branch:					
Army and Air Force	185,607	188,587	187,813	172,859	175,697
Navy	87,610	81,204	84,201	93,351	90,459
Marine Corps	14,380	14,525	13,591	14,131	14,233
Coast Guard	4,850	4,747	4,437	4,869	4,622
By type of pay:					
Pay rolls	258,961	255,340	257,503	247,452	242,969
Mustering-out pay	4,392	4,531	4,292	9,751	13,050
Family allowance	29,037	29,108	28,163	25,414	24,997
Leave payments	57	84	85	2,593	3,995
Cash	14	34	30	639	905
Bonds	43	50	55	1,954	3,090

See the glossary for definitions.

<sup>1/</sup> Because of rounding, the individual figures may not add to group totals.

TABLE 6: Number of Wage and Salary Workers in Nonagricultural Establishments for Selected States, March 1949

(In thousands)

State	1949			1948	
	March	February	January	March	February
Arizona	153	154	154	* 156	155
Arkansas	291	289	295	283	276
California	2,963	2,970	2,996	3,029	3,024
Connecticut	729	739	751	* 778	* 772
Georgia	726	727	730	740	731
Idaho	119	118	123	115	115
Illinois	3,086	3,112	3,157	3,144	3,151
Indiana	1,154	1,165	1,176	*1,194	1,180
Kansas	431	428	434	415	411
Maine *	243	248	251	256	259
Maryland	688	690	699	685	676
Massachusetts	1,645	1,662	1,680	1,720	1,715
Minnesota	763	767	775	762	764
Missouri	1,098	1,099	1,112	1,120	1,114
Montana	137	135	137	133	133
Nevada <u>1/</u>	45	45	46	47	47
New Jersey	1,517	1,523	1,538	1,563	1,553
New Mexico *	130	130	130	122	120
New York	5,429	5,454	5,481	5,538	5,508
Oklahoma	464	459	462	436	432
Pennsylvania	3,541	3,549	3,581	*3,584	3,546
Rhode Island	267	273	276	292	290
Tennessee *	715	715	722	734	721
Texas *	1,746	1,744	1,752	1,670	1,664
Utah	174	169	168	173	171
Vermont <u>1/</u>	90	91	92	94	94
Washington	653	641	646	654	642
Wisconsin	957	961	971	974	972
Wyoming	73	73	74	70	69

See explanatory notes, sections H and I.

1/ Does not include contract construction.

\* Revised. Data for other months revised as follows:

Arizona - May, June, August, and October 1948 to 155, 155, 154, and 155, respectively.

Connecticut - April through December 1948 to 779, 777, 778, 772, 774, 780, 780, 778, and 781.

Indiana - April and June 1948 to 1,183 and 1,207, respectively.

Maine - October and December 1948 to 268 and 264, respectively.

New Mexico - October through December 1948 to 130, 130, and 132.

Pennsylvania - April, May, and July 1948 to 3,522, 3,579, and 3,586, respectively.

Tennessee - June through December 1948 to 744, 745, 756, 757, 754, 749, and 751.

Texas - October and November 1948 to 1,767 and 1,778.

TABLE 7: Number of Wage and Salary Workers in Manufacturing Industries,  
by State, March 1949

(In thousands)

Region and State	1949			1948	
	March	February	January	March	February
<b>NEW ENGLAND:</b>					
Maine <u>1</u> /*	102.0	106.3	107.8	111.2	114.3
New Hampshire	74.9	77.9	77.7	84.4	85.6
Vermont <u>1</u> /	33.4	35.0	35.4	38.7	38.8
Massachusetts	675.8	690.8	696.7	745.7	746.0
Rhode Island	128.2	134.3	136.1	153.6	154.5
Connecticut <u>1</u> /	367.4	379.0	387.6	*418.1	*417.5
<b>MIDDLE ATLANTIC:</b>					
New York	1,790.0	1,809.0	1,807.8	1,904.0	1,912.1
New Jersey	695.0	702.3	707.2	*754.2	757.8
Pennsylvania	1,429.8	1,447.0	1,461.7	1,514.3	1,513.1
<b>EAST NORTH CENTRAL:</b>					
Ohio	1,163.7	1,180.5	1,190.6	1,244.0	1,243.9
Indiana	519.4	528.0	533.5	552.8	553.4
Illinois	1,171.1	1,191.7	1,211.5	1,253.5	1,267.0
Michigan	941.6	947.4	972.9	1,010.9	970.7
Wisconsin <u>1</u> /	407.8	411.4	415.5	432.5	434.2
<b>WEST NORTH CENTRAL:</b>					
Minnesota <u>1</u> /	189.0	189.7	191.7	198.0	199.0
Iowa <u>1</u> /	149.9	152.3	153.9	153.7	154.7
Missouri <u>1</u> /	337.8	339.3	342.0	346.6	349.2
North Dakota	6.5	6.4	6.6	6.3	6.4
South Dakota	11.8	11.6	11.7	11.0	11.1
Nebraska	40.9	41.6	42.4	42.4	43.0
Kansas <u>1</u> /	86.0	86.0	86.6	79.8	79.8
<b>SOUTH ATLANTIC:</b>					
Delaware	44.4	44.8	44.5	46.5	45.9
Maryland	215.6	218.0	219.1	228.9	228.5
District of Columbia	17.1	16.8	16.7	17.1	16.8
Virginia	204.1	205.9	206.3	213.7	213.5
West Virginia	126.6	128.4	129.6	130.9	130.3
North Carolina	351.2	358.5	360.1	385.8	380.4
South Carolina	188.0	190.9	188.8	200.5	196.9
Georgia <u>1</u> /	263.5	265.7	266.6	281.1	280.1
Florida <u>1</u> /	96.6	99.5	99.3	99.4	98.9

9.

TABLE 7: Number of Wage and Salary Workers in Manufacturing Industries,  
by State, March 1949 - Continued

(In thousands)

Region and State	1949			1948	
	March	February	January	March	February
<b>EAST SOUTH CENTRAL:</b>					
Kentucky	120.2	121.7	122.7	129.5	129.4
Tennessee 1/	234.2	237.4	237.0	260.0	*256.3
Alabama 1/	218.9	220.8	223.3	230.9	230.2
Mississippi	79.7	81.2	83.5	90.0	90.5
<b>WEST SOUTH CENTRAL:</b>					
Arkansas 1/	72.4	70.9	74.7	* 73.0	69.8
Louisiana 1/	147.1	147.4	148.6	145.9	142.6
Oklahoma 1/	62.8	63.5	64.3	62.6	62.6
Texas	337.3	337.9	343.1	337.0	340.1
<b>MOUNTAIN:</b>					
Montana	17.1	16.9	16.9	17.2	17.3
Idaho 1/	17.9	17.5	19.0	16.9	17.6
Wyoming 1/	5.9	6.0	6.1	5.6	5.7
Colorado	52.3	52.7	53.5	55.5	55.1
New Mexico 1/*	9.0	8.9	8.9	8.2	8.2
Arizona 1/	15.2	14.8	14.6	14.7	14.6
Utah 1/	25.9	25.5	25.5	24.4	24.1
Nevada 1/	3.1	3.1	3.2	* 3.4	3.4
<b>PACIFIC:</b>					
Washington 1/	170.4	163.4	163.5	171.3	167.2
Oregon	102.2	102.1	102.9	110.2	109.2
California *	690.3	694.0	704.0	700.4	703.5

See explanatory notes, sections H and I.

1/ Series based on Standard Industrial Classification.

\* Revised. Data for other months revised as follows:

Arkansas - April through August 1948 to 74.9; 77.4; 79.0; 78.8; and 79.6.

California - May through November 1948 to 696.5; 714.1; 742.1; 772.8; 802.9; 769.2; and 738.3.

Connecticut - April through December 1948 to 411.5; 405.8; 402.5; 394.7; 396.3; 399.9; 400.6; 399.8; and 394.2

Maine - October through December 1948 to 113.3; 110.6; and 109.9.

New Mexico - October through December 1948 to 9.5; 9.3; and 8.9.

Tennessee - April through December 1948 to 257.9; 258.5; 256.9; 256.9; 260.4; 258.1; 258.0; 252.1; and 246.6.

TABLE 8: Number of Production Workers in Manufacturing Industries

(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
ALL MANUFACTURING	12,131	12,404	12,561	12,791	13,131
DURABLE GOODS	6,189	6,325	6,420	6,683	6,791
NONDURABLE GOODS	5,942	6,079	6,141	6,108	6,340
<u>Durable goods</u>					
IRON AND STEEL AND THEIR PRODUCTS	1,498	1,545	1,574	1,603	1,634
Blast furnaces, steel works, and rolling mills	542.8	547.3	547.6	511.8	516.1
Gray-iron and semisteel castings	95.1	101.6	105.8	116.6	119.9
Malleable-iron castings	31.1	33.6	34.8	37.2	37.9
Steel castings	65.4	70.5	72.3	72.3	73.0
Cast-iron pipe and fittings	26.8	28.6	28.6	27.6	28.3
Tin cans and other tinware	42.0	42.7	43.1	42.1	44.5
Wire drawn from purchased rods	25.6	26.9	27.7	30.1	30.6
Wirework	39.2	39.9	41.1	41.9	43.4
Cutlery and edge tools	21.2	21.9	22.7	23.7	24.0
Tools (except edge tools, machine tools, files, and saws)	22.1	23.2	23.3	25.5	25.7
Hardware	47.2	49.3	50.8	55.9	57.2
Plumbers' supplies	35.7	37.4	39.6	39.4	40.2
Stoves, oil burners, and heating equipment, not elsewhere classified	57.5	60.0	61.8	81.9	87.5
Steam and hot-water heating apparatus and steam fittings	53.5	57.4	60.0	63.0	66.0
Stamped and enameled ware and galvanizing	95.1	99.9	105.7	118.1	120.1
Fabricated structural and ornamental metalwork	63.5	62.9	64.1	63.8	63.9
Metal doors, sash, frames, molding, and trim	9.3	9.6	9.9	10.1	10.5
Bolts, nuts, washers, and rivets	26.5	27.4	28.2	28.9	28.9
Forgings, iron and steel	35.8	37.0	37.6	36.7	37.5
Wrought pipe, welded and heavy-riveted	18.8	19.3	19.6	18.8	19.2
Screw-machine products and wood screws	31.6	32.9	33.8	36.8	36.8
Steel barrels, kegs, and drums	6.3	6.9	7.3	7.7	7.9
Firearms	23.0	22.9	22.4	21.0	20.8
ELECTRICAL MACHINERY	486	505	521	563	577
Electrical equipment	326.4	339.8	347.4	376.0	382.5
Radios and phonographs	80.7	83.8	88.6	93.4	97.6
Communication equipment	78.7	81.3	85.3	93.9	96.5

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Number of Production Workers in Manufacturing Industries - Cont'd  
(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
<b>MACHINERY, EXCEPT ELECTRICAL</b>	1,092	1,133	1,158	1,202	1,232
Machinery and machine-shop products	458.1	476.6	489.9	514.4	518.6
Engines and turbines	49.2	50.6	51.5	53.9	54.7
Tractors	59.8	60.7	61.4	44.8	62.2
Agricultural machinery, excluding tractors	75.8	76.2	76.0	76.2	75.9
Machine tools	41.7	42.5	43.3	47.7	49.2
Machine-tool accessories	49.8	50.9	52.0	55.5	55.9
Textile machinery	38.2	40.2	41.0	41.4	41.1
Pumps and pumping equipment	63.9	66.4	67.7	72.2	73.7
Typewriters	15.0	15.1	16.1	24.1	24.9
Cash registers; adding, and calculating machines	38.5	40.8	41.5	46.3	46.1
Washing machines, wringers, and driers, domestic	8.4	8.6	9.6	16.2	16.3
Sewing machines, domestic and industrial	15.2	15.2	15.0	13.8	13.7
Refrigerators and refrigeration equipment	66.6	72.9	73.8	79.7	81.0
<b>TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES</b>	431	439	442	462	465
Locomotives	25.2	25.9	25.9	26.6	26.6
Cars, electric- and steam-railroad	53.2	55.4	56.7	53.9	54.4
Aircraft and parts, excluding aircraft engines	152.0	151.9	150.9	137.3	136.1
Aircraft engines	28.2	28.7	28.5	24.8	24.6
Shipbuilding and boatbuilding	79.8	83.8	85.9	122.5	125.8
Motorcycles, bicycles, and parts	8.7	8.9	8.9	14.4	14.8
<b>AUTOMOBILES</b>	764	759	760	772	784
<b>NONFERROUS METALS AND THEIR PRODUCTS</b>	354	368	378	406	413
Smelting and refining, primary, of nonferrous metals	41.4	41.1	40.6	41.0	40.8
Alloying; and rolling and drawing of nonferrous metals, except aluminum	43.0	48.9	52.6	53.7	54.6
Clocks and watches	22.4	22.8	23.1	28.5	28.8
Jewelry (precious metals) and jewelers' findings	25.1	25.5	26.0	27.1	27.6
Silverware and plated ware	25.4	26.0	26.7	27.5	27.5
Lighting equipment	27.6	29.1	30.4	31.3	33.1
Aluminum manufactures	37.7	38.7	38.7	44.2	45.2
Sheet-metal work, not elsewhere classified	31.3	32.1	32.9	37.5	38.3

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Number of Production Workers in Manufacturing Industries - Cont'd  
(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
<b>LUMBER AND TIMBER BASIC PRODUCTS</b>	719	714	710	754	749
Sawmills and logging camps	581.4	576.9	569.4	611.0	606.9
Planing and plywood mills	137.2	137.3	140.5	142.7	142.3
<b>FURNITURE AND FINISHED LUMBER PRODUCTS</b>	423	429	437	470	485
Mattresses and bedsprings	31.8	32.1	31.9	34.9	37.0
Furniture	229.8	234.8	240.5	256.2	263.7
Wooden boxes, other than cigar	30.9	30.6	30.8	36.0	37.0
Caskets and other morticians' goods	16.7	17.5	18.0	20.3	20.9
Wood preserving	17.3	16.8	16.5	16.2	16.7
Wood, turned and shaped	31.8	32.1	32.1	35.0	35.7
<b>STONE, CLAY, AND GLASS PRODUCTS</b>	422	433	440	451	452
Glass and glassware	107.9	109.4	111.2	121.8	121.7
Glass products made from purchased glass	12.5	13.2	14.0	14.2	14.4
Cement	36.5	36.2	36.4	35.5	35.3
Brick, tile, and terra cotta	76.9	77.3	78.5	77.9	77.3
Pottery and related products	58.6	59.7	60.4	57.9	58.9
Gypsum	7.3	7.4	7.3	7.5	7.6
Wallboard, plaster (except gypsum), and mineral wool	8.9	12.1	12.6	14.5	14.3
Lime	10.6	10.3	10.4	11.1	10.9
Marble, granite, slate, and other products	19.1	19.1	18.9	17.9	18.4
Abrasives	18.4	19.8	20.2	20.1	20.1
Asbestos products	21.0	22.4	23.2	25.2	25.3
<u>Nondurable goods</u>					
<b>TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES</b>	1,099	1,149	1,190	1,301	1,312
Cotton manufactures, except smallwares	465.4	479.3	490.6	526.4	529.4
Cotton smallwares	12.4	12.7	12.6	14.6	14.9
Silk and rayon goods	100.6	108.5	114.9	120.1	120.0
Woolen and worsted manufactures, except dyeing and finishing	111.0	128.8	144.2	175.0	178.3
Hosiery	134.3	136.9	139.0	149.7	151.9
Knitted cloth	10.7	10.9	10.9	11.8	11.7
Knitted outerwear and knitted gloves	30.1	31.3	32.0	33.4	34.0
Knitted underwear	40.4	40.4	40.7	53.8	54.1
Dyeing and finishing textiles, including woolen and worsted	89.8	90.3	91.1	95.0	95.1
Carpets and rugs, wool	37.5	38.8	39.7	39.4	39.4
Hats, fur-felt	8.6	11.1	11.6	12.7	13.7
Jute goods, except felts	4.3	4.2	4.2	4.3	4.1
Cordage and twine	14.1	14.3	14.6	16.7	17.1

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Number of Production Workers in Manufacturing Industries - Cont'd.

(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	1,124	1,178	1,180	1,103	1,165
Men's clothing, not elsewhere classified	284.0	289.5	290.7	287.1	291.3
Shirts, collars, and nightwear	69.2	68.6	67.4	74.2	74.4
Underwear and neckwear, men's	18.5	19.0	18.8	18.7	19.0
Work shirts	16.4	15.9	16.1	15.7	15.4
Women's clothing, not elsewhere classified	460.5	498.5	502.9	440.0	481.7
Corsets and allied garments	17.4	18.4	18.4	19.2	19.9
Millinery	22.5	24.9	24.3	20.6	24.2
Handkerchiefs	5.2	5.3	5.2	5.1	5.1
Curtains, draperies, and bedspreads	20.1	20.2	20.1	21.1	23.2
Housefurnishings, other than curtains, etc.	27.6	27.1	25.1	22.9	24.0
Textile bags	22.9	23.6	24.0	21.2	21.7
LEATHER AND LEATHER PRODUCTS	358	368	368	372	396
Leather	44.0	45.2	46.0	47.6	49.2
Boot and shoe cut stock and findings	16.2	17.3	17.4	17.7	18.9
Boots and shoes	232.8	239.4	239.3	235.9	254.1
Leather gloves and mittens	9.6	10.0	9.7	12.2	12.5
Trunks and suitcases	13.3	12.0	11.8	13.3	13.9
FOOD	1,164	1,155	1,153	1,047	1,149
Slaughtering and meat packing	192.1	199.9	205.1	104.0	193.6
Butter	35.5	33.8	33.1	36.9	34.3
Condensed and evaporated milk	20.7	20.0	19.2	20.5	19.3
Ice cream	27.8	25.5	24.4	27.1	24.4
Flour	38.6	39.7	40.6	40.1	40.3
Feeds, prepared	29.4	28.9	28.9	26.6	26.3
Cereal preparations	13.0	13.4	13.1	12.2	12.1
Baking	246.7	244.8	243.7	239.5	241.7
Sugar refining, cane	25.1	25.2	24.7	20.8	23.5
Sugar, beet	4.3	4.3	4.8	5.7	5.9
Confectionery	67.5	68.7	71.1	67.1	72.5
Beverages, nonalcoholic	39.7	38.8	37.8	40.5	38.4
Malt liquors	74.4	77.7	73.3	77.3	74.8
Canning and preserving	138.7	121.8	120.4	140.7	135.5
TOBACCO MANUFACTURES	81	82	83	86	87
Cigarettes	33.4	33.0	32.8	33.2	33.2
Cigars	40.2	42.2	42.3	45.2	46.2
Tobacco (chewing and smoking) and snuff	7.2	7.3	7.5	7.7	7.8

See explanatory notes, sections C, D, and G, and the glossary for definitions.



TABLE 8: Number of Production Workers in Manufacturing Industries - Cont'd.

(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
<b>PAPER AND ALLIED PRODUCTS</b>	375	381	386	389	393
Paper and pulp	197.8	200.3	202.4	203.7	203.8
Paper goods, other	60.2	61.0	61.5	61.4	62.0
Envelopes	12.4	12.6	12.7	12.7	12.7
Paper bags	15.4	16.1	16.4	18.0	18.2
Paper boxes	88.6	90.2	91.9	92.7	95.2
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	432	432	433	432	435
Newspapers and periodicals	152.8	152.2	150.4	145.0	144.8
Printing; book and job	180.0	181.0	184.2	183.2	185.4
Lithographing	30.9	29.5	29.5	31.3	31.4
Bookbinding	33.1	33.4	33.4	35.9	37.2
<b>CHEMICALS AND ALLIED PRODUCTS</b>	570	586	588	580	587
Paints, varnishes, and colors	45.0	45.3	46.0	48.0	48.6
Drugs, medicines, and insecticides	66.3	65.8	66.5	64.2	65.2
Perfumes and cosmetics	10.9	10.8	11.0	11.2	11.6
Soap	25.8	26.4	26.3	21.8	24.9
Rayon and allied products	57.6	63.6	65.2	63.5	63.7
Chemicals, not elsewhere classified	198.4	202.7	204.7	207.2	205.4
Explosives and safety fuses	25.9	26.5	26.7	25.6	25.8
Compressed and liquefied gases	8.9	8.9	9.0	10.0	9.9
Ammunition, small-arms	6.2	6.8	7.0	7.8	7.8
Fireworks	2.8	2.5	2.6	2.4	2.4
Cottonseed oil	18.5	20.6	21.4	15.2	17.6
Fertilizers	38.1	38.8	34.1	36.7	38.1
<b>PRODUCTS OF PETROLEUM AND COAL</b>	162	162	162	164	165
Petroleum refining	112.2	112.8	113.1	113.6	113.5
Coke and byproducts	32.0	31.9	32.0	29.7	30.7
Paving materials	3.1	2.3	2.2	2.3	1.8
Roofing materials	13.8	13.5	13.5	17.4	17.4

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 8: Number of Production Workers in Manufacturing Industries - Cont'd.

(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
RUBBER PRODUCTS	179	183	187	198	204
Rubber tires and inner tubes	85.7	85.8	86.5	92.6	96.4
Rubber boots and shoes	19.4	19.9	20.6	22.1	22.6
Rubber goods, other	73.6	77.1	79.8	84.0	85.7
MISCELLANEOUS INDUSTRIES	398	403	411	436	447
Instruments (professional and scientific), and fire-control equipment	31.1	31.1	30.8	27.6	27.7
Photographic apparatus	37.2	37.2	37.6	38.4	38.8
Optical instruments and ophthalmic goods	25.9	26.1	26.3	27.0	27.2
Pianos, organs, and parts	11.3	11.5	12.2	13.3	14.8
Games, toys, and dolls	34.6	33.6	33.8	40.3	38.5
Buttons	11.8	12.4	12.6	13.1	13.8
Fire extinguishers	2.1	2.1	2.1	2.7	2.6

See explanatory notes, sections C, D, and G, and the glossary for definitions.

TABLE 9: Number of Employees in Selected Nonmanufacturing Industries <sup>1/</sup>

(In thousands)

Industry group and industry	1949			1948	
	April	March	February	April	March
MINING: <sup>2/</sup>					
Coal					
Anthracite	74.9	75.3	76.2	76.9	77.4
Bituminous-coal	389	392	399	296	401
Metal	94.8	94.1	92.8	91.7	91.4
Iron	33.3	32.1	32.0	32.5	31.5
Copper	27.6	27.8	26.7	26.8	26.9
Lead and zinc	17.0	17.1	17.0	15.3	16.3
Gold and silver	9.1	9.1	9.1	8.5	8.7
Miscellaneous	7.9	7.9	8.0	7.7	7.9
Quarrying and nonmetallic	81.4	78.2	76.6	83.9	80.0
Crude petroleum and natural gas production <sup>3/</sup>	128.9	129.2	129.6	127.2	127.1
TRANSPORTATION AND PUBLIC UTILITIES:					
Class I railroads <sup>4/</sup>	1,215	1,198	1,231	1,258	1,316
Street railways and busses <sup>5/</sup>	241	242	242	249	249
Telephone	637	637	640	630	627
Telegraph <sup>6/</sup>	32.4	32.4	32.8	36.9	36.9
Electric light and power	283	282	282	273	271
SERVICE:					
Hotels (year-round)	360	361	364	377	375
Power laundries <sup>2/</sup>	216	216	217	232	231
Cleaning and dyeing <sup>2/</sup>	88.0	84.1	83.3	92.5	90.0

See explanatory notes, sections C, D, and G, and the glossary for definitions.

<sup>1/</sup> Unless otherwise noted, data include all employees.<sup>2/</sup> Includes production and related workers only.<sup>3/</sup> Does not include well drilling or rig building.<sup>4/</sup> Includes all employees at middle of month. Excludes employees of switching and terminal companies. Class I railroads include those with over \$1,000,000 annual revenue. Source: Interstate Commerce Commission.<sup>5/</sup> Includes private and municipal street-railway companies and affiliated, subsidiary, or successor trolley-bus and motor-bus companies.<sup>6/</sup> Includes all land-line employees except those compensated on a commission basis. Excludes general and divisional headquarters personnel, trainees in school, and messengers.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in  
Manufacturing Industries  
(1939 Average = 100)

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
ALL MANUFACTURING	148.1	151.4	153.3	156.1	336.5	349.7	357.8	347.1
DURABLE GOODS	171.4	175.2	177.8	185.1	380.2	390.9	402.7	393.4
NONDURABLE GOODS	129.7	132.7	134.1	133.3	293.8	309.4	314.0	301.9
<u>Durable goods</u>								
IRON AND STEEL AND THEIR PRODUCTS	151.1	155.9	158.8	161.7	320.1	336.7	348.4	329.6
Blast furnaces, steel works, and rolling mills	139.7	140.9	141.0	131.8	295.4	299.8	303.7	253.0
Gray-iron and semisteel castings	152.9	163.3	170.0	187.3	309.4	345.1	376.2	415.6
Malleable-iron castings	161.8	174.6	180.9	193.6	346.5	384.8	424.9	453.0
Steel castings	204.1	220.1	225.6	225.5	417.0	470.6	496.7	477.3
Cast-iron pipe and fittings	152.3	162.8	162.4	157.0	355.3	423.4	453.8	370.0
Tin cans and other tinware	132.3	134.4	135.8	132.4	295.2	306.1	306.5	274.9
Wire drawn from purchased rods	116.6	122.6	126.2	137.1	215.2	243.0	260.0	255.3
Wirework	129.0	131.2	135.3	137.9	296.4	312.1	323.0	302.0
Cutlery and edge tools	137.5	142.3	147.5	153.8	318.7	338.8	353.8	364.6
Tools (except edge tools, machine tools, files, and saws)	144.4	151.6	152.5	166.7	315.4	341.6	348.5	372.4
Hardware	132.4	138.3	142.4	156.8	298.5	324.0	335.0	362.4
Plumbers' supplies	135.9	142.6	151.0	150.3	283.0	306.3	321.8	322.2
Stoves, oil burners, and heating equipment, not elsewhere classified	117.0	122.2	125.7	166.7	250.0	260.8	261.7	363.8
Steam and hot-water heating apparatus and steam fittings	165.6	177.9	185.8	195.0	328.2	379.5	400.6	414.7
Stamped and enameled ware and galvanizing	160.7	168.9	178.7	199.6	380.1	403.5	429.3	463.2
Fabricated structural and ornamental metalwork	178.7	177.2	180.6	179.8	378.7	385.2	394.8	358.7
Metal doors, sash, frames, molding, and trim	120.1	124.5	128.4	130.6	272.3	281.2	297.4	283.9
Bolts, nuts, washers, and rivets	173.8	180.2	185.0	189.8	381.8	402.8	413.8	416.7
Forgings, iron and steel	218.7	225.9	229.4	223.9	455.8	490.2	529.4	467.6
Wrought pipe, welded and heavy-riveted	211.4	216.6	219.9	210.8	464.3	476.2	501.4	437.7
Screw-machine products and wood screws	175.3	182.6	187.6	204.4	370.4	398.0	421.3	452.0
Steel barrels, kegs, and drums	97.1	107.0	113.2	119.5	260.1	269.5	301.9	298.1
Firearms	430.9	429.0	421.3	395.1	980.9	1016.1	1011.1	906.0
ELECTRICAL MACHINERY	187.5	194.9	201.2	217.4	401.7	424.1	442.2	444.3
Electrical equipment	178.7	186.0	190.2	205.8	381.6	403.3	420.3	420.5
Radios and phonographs	183.5	190.4	201.3	212.2	423.7	454.0	478.3	468.5
Communication equipment	242.4	250.5	262.8	289.3	489.0	506.4	524.1	551.2

See explanatory notes, sections C, F, and G, and the glossary for definitions.

**TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued**

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949		1948		1949		1948	
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
<b>MACHINERY, EXCEPT ELECTRICAL</b>	206.7	214.4	219.1	227.4	423.4	448.5	463.0	463.8
Machinery and machine-shop products	220.6	229.5	236.0	247.7	457.6	484.7	501.9	511.9
Engines and turbines	263.7	271.4	275.9	289.1	549.9	579.2	601.9	611.7
Tractors	191.2	194.0	196.3	143.4	342.7	358.0	366.8	248.9
Agricultural machinery, excluding tractors	265.7	267.0	266.5	267.0	591.6	601.2	607.6	571.9
Machine tools	113.8	116.1	118.2	130.4	205.4	211.8	218.6	240.2
Machine-tool accessories	192.7	197.3	201.2	214.8	341.1	359.7	367.4	392.6
Textile machinery	174.6	183.5	187.0	189.2	399.1	423.7	429.2	441.3
Pumps and pumping equipment	256.8	266.8	272.3	290.2	564.1	594.0	619.9	630.2
Typewriters	92.3	93.3	99.6	148.7	190.4	201.6	220.4	336.8
Cash registers; adding, and calculating machines	195.6	207.3	210.9	235.2	428.0	456.3	461.8	504.7
Washing machines, wringers, and driers, domestic	112.5	114.8	128.5	217.0	238.2	236.4	259.4	465.3
Sewing machines, domestic and industrial	193.6	193.4	191.8	176.7	451.1	479.4	481.5	399.9
Refrigerators and refrigeration equipment	189.5	207.4	210.0	226.7	369.4	430.1	449.8	450.4
<b>TRANSPORTATION EQUIPMENT, EXCEPT AUTOMOBILES</b>	271.3	276.6	278.3	290.9	573.9	599.4	607.5	601.4
Locomotives	390.2	400.1	399.8	410.5	905.4	930.5	891.4	928.1
Cars, electric- and steam-railroad	217.0	225.8	231.2	219.7	478.9	533.9	563.4	483.8
Aircraft and parts, excluding aircraft engines	383.0	382.8	380.3	346.0	796.2	819.2	829.8	695.2
Aircraft engines	317.4	322.4	321.1	278.4	582.9	587.0	604.9	481.0
Shipbuilding and boatbuilding	115.2	121.0	124.0	176.8	245.5	259.5	261.7	373.6
Motorcycles, bicycles, and parts	125.2	128.2	128.3	206.0	258.6	264.1	260.7	418.2
<b>AUTOMOBILES</b>	190.0	188.7	188.8	191.9	436.5	415.7	441.5	386.2
<b>NONFERROUS METALS AND THEIR PRODUCTS</b>	154.3	160.7	164.9	176.9	327.0	345.3	363.6	368.3
Smelting and refining, primary, of nonferrous metals	149.9	148.8	147.1	148.4	347.9	343.8	339.2	314.1
Alloying; and rolling and drawing of nonferrous metals, except aluminum	110.7	126.0	135.6	138.3	200.2	242.3	276.5	271.7
Clocks and watches	110.4	112.4	113.9	140.7	273.5	279.4	282.8	336.8
Jewelry (precious metals) and jewelers' findings	173.6	176.9	180.3	187.6	342.5	368.2	375.7	377.7
Silverware and plated ware	209.2	214.5	219.8	226.8	448.5	459.0	506.4	529.4
Lighting equipment	134.6	142.2	148.6	152.7	309.1	317.3	347.2	308.3
Aluminum manufactures	160.0	164.4	164.2	187.7	320.2	332.6	341.0	356.8
Sheet-metal work, not elsewhere classified	166.8	171.0	175.4	199.9	372.3	387.6	397.9	434.8

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in  
Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
<b>LUMBER AND TIMBER BASIC PRODUCTS</b>	170.9	169.9	168.9	179.4	427.8	413.9	395.7	433.4
Sawmills and logging camps	185.4	183.9	181.5	194.8	469.3	451.8	423.1	471.0
Planing and plywood mills	173.4	173.5	177.7	180.4	420.5	414.4	425.6	435.4
<b>FURNITURE AND FINISHED LUMBER PRODUCTS</b>	128.8	130.8	133.2	143.4	299.2	310.7	315.7	333.0
Mattresses and bedsprings	154.9	156.6	155.6	170.4	330.5	346.9	343.6	359.5
Furniture	129.1	132.0	135.2	144.0	299.7	313.8	320.5	336.3
Wooden boxes, other than cigar	109.0	108.1	108.8	127.2	262.5	258.9	263.7	304.8
Caskets and other morticians' goods	120.0	125.6	129.2	145.8	234.2	256.5	269.6	300.3
Wood preserving	138.0	133.7	131.0	128.7	388.6	366.7	350.6	334.2
Wood, turned and shaped	129.5	130.6	130.7	142.6	303.7	313.8	315.2	331.8
<b>STONE, CLAY, AND GLASS PRODUCTS</b>	143.9	147.6	150.0	153.7	323.5	335.9	344.5	337.9
Glass and glassware	151.2	153.4	155.8	170.7	342.7	356.1	366.8	367.1
Glass products made from purchased glass	124.9	131.8	140.0	142.1	279.8	289.2	313.9	299.1
Cement	149.9	148.6	149.5	145.9	312.2	306.5	303.6	288.2
Brick, tile, and terra cotta	132.4	133.2	135.2	134.3	320.7	322.6	329.0	312.9
Pottery and related products	173.1	176.5	178.5	171.2	367.3	384.6	392.1	357.0
Gypsum	147.3	148.9	148.8	152.8	310.7	328.5	342.3	343.7
Wallboard, plaster (except gypsum), and mineral wool	110.1	149.3	155.9	178.7	266.2	363.4	359.1	467.9
Lime	111.6	109.0	110.2	116.9	304.8	303.5	296.8	314.5
Marble, granite, slate, and other products	103.3	103.0	102.2	96.6	201.5	198.9	197.1	176.6
Abrasives	238.4	256.2	261.3	260.4	485.6	537.1	556.4	546.6
Asbestos products	132.2	140.8	146.1	158.3	302.8	334.4	351.9	378.5
<u>Nondurable goods</u>								
<b>TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES</b>	96.1	100.4	104.0	113.7	237.6	260.3	274.8	307.1
Cotton manufactures, except smallwares	111.2	114.6	117.3	125.8	294.3	319.6	332.9	374.7
Cotton smallwares	88.4	90.2	89.9	103.6	206.6	211.8	214.4	243.0
Silk and rayon goods	79.5	85.7	90.8	94.9	218.9	239.5	267.3	287.6
Woolen and worsted manufactures, except dyeing and finishing	70.4	81.7	91.5	111.0	172.6	208.3	245.6	308.6
Hosiery	79.9	81.5	82.8	89.1	182.8	190.5	193.6	203.5
Knitted cloth	92.9	94.2	94.9	101.9	222.9	229.1	225.4	237.1
Knitted outerwear and knitted gloves	101.1	105.2	107.7	112.3	229.9	256.8	260.7	261.2
Knitted underwear	99.3	99.1	99.9	132.0	224.0	240.2	235.9	344.5
Dyeing and finishing textiles, including woolen and worsted	127.1	127.8	129.0	134.4	306.2	320.1	321.3	328.7
Carpets and rugs, wool	138.6	143.6	146.8	145.7	322.4	362.8	370.0	348.8
Hats, fur-felt	55.9	72.3	75.3	82.7	103.6	160.6	175.6	176.4
Jute goods, except felts	113.1	111.2	111.5	112.8	264.8	262.9	269.5	275.9
Cordage and twine	110.1	112.3	114.4	130.9	257.8	276.1	276.1	311.4

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in  
Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
APPAREL AND OTHER FINISHED TEXTILE PRODUCTS	142.3	149.2	149.5	139.8	297.3	344.7	348.2	306.5
Men's clothing, not elsewhere classified	123.7	126.1	126.6	125.0	263.0	288.7	286.0	293.7
Shirts, collars, and nightwear	93.5	92.7	91.2	100.3	225.1	230.5	218.7	248.4
Underwear and neckwear, men's	109.2	111.8	111.0	110.1	287.8	322.5	312.8	297.0
Work shirts	116.1	112.7	114.2	111.4	288.2	288.5	289.7	278.5
Women's clothing, not elsewhere classified	160.9	174.2	175.7	153.7	307.9	380.0	394.4	307.1
Corsets and allied garments	92.8	98.0	98.0	102.4	204.4	226.1	224.4	229.1
Millinery	88.3	97.4	95.3	80.8	168.4	226.3	213.4	149.9
Handkerchiefs	103.0	105.1	103.0	99.8	245.0	279.1	286.0	251.5
Curtains, draperies, and bedspreads	112.9	113.9	112.9	118.8	275.5	296.7	289.3	265.3
Housefurnishings, other than curtains, etc.	247.2	243.1	224.4	205.5	569.5	576.6	533.6	462.2
Textile bags	181.9	187.4	190.5	168.2	402.4	414.8	432.7	353.5
LEATHER AND LEATHER PRODUCTS	103.3	106.0	106.0	107.1	222.0	238.7	240.1	227.1
Leather	87.9	90.3	91.9	95.1	186.2	195.3	202.2	197.9
Boot and shoe cut stock and findings	81.3	86.8	87.1	88.7	160.7	180.6	184.4	173.4
Boots and shoes	100.8	103.7	103.6	102.2	220.1	239.6	239.6	219.5
Leather gloves and mittens	95.7	100.3	97.0	121.9	185.1	203.6	201.1	241.3
Trunks and suitcases	160.3	143.5	141.9	160.1	342.5	313.0	301.2	347.2
FOOD	136.3	135.2	134.9	122.6	302.8	302.7	302.9	267.4
Slaughtering and meat packing	142.2	148.0	151.9	77.0	284.9	297.9	307.8	192.5
Butter	176.4	168.1	164.5	183.3	390.1	376.1	367.6	381.0
Condensed and evaporated milk	189.8	183.5	176.7	188.3	466.6	446.5	428.0	438.1
Ice cream	157.7	144.9	138.4	153.9	316.5	292.1	280.0	286.4
Flour	139.0	142.9	146.3	144.3	296.0	309.1	330.8	304.7
Feeds, prepared	170.1	167.4	167.4	153.9	424.6	408.5	385.0	337.1
Cereal preparations	155.1	159.7	156.8	146.4	345.7	367.6	356.0	313.0
Baking	129.6	128.6	128.0	125.8	276.2	269.7	271.7	250.7
Sugar refining, cane	158.4	159.0	155.6	131.3	324.7	340.1	346.4	275.8
Sugar, beet	37.0	37.2	41.7	49.3	84.3	85.7	98.5	100.6
Confectionery	121.2	123.3	127.6	120.5	270.1	285.7	290.9	265.2
Beverages, nonalcoholic	166.4	162.8	158.5	170.1	293.5	283.9	277.0	289.9
Malt liquors	183.8	192.1	181.3	191.2	345.8	363.1	333.8	350.3
Canning and preserving	92.3	81.0	80.1	93.6	242.8	213.3	215.6	240.8
TOBACCO MANUFACTURES	86.5	88.4	88.6	92.4	188.9	198.8	193.5	205.7
Cigarettes	121.9	120.2	119.8	121.1	255.3	257.7	239.8	254.3
Cigars	71.9	75.6	75.8	81.0	152.2	167.7	169.2	182.7
Tobacco (chewing and smoking) and snuff	71.2	72.6	74.7	77.0	151.7	159.8	161.4	161.6

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in  
Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
<b>PAPER AND ALLIED PRODUCTS</b>	141.4	143.6	145.4	146.8	317.0	327.6	335.3	325.7
Paper and pulp	143.6	145.4	146.9	147.8	322.5	332.2	341.0	333.3
Paper goods, other	159.5	161.6	163.0	162.6	360.3	368.1	380.5	350.7
Envelopes	142.0	144.1	145.9	145.6	286.5	292.4	297.8	282.1
Paper bags	139.0	144.9	147.5	162.3	334.9	358.1	358.7	365.3
Paper boxes	127.8	130.1	132.5	133.7	279.6	292.5	296.5	292.5
<b>PRINTING, PUBLISHING, AND ALLIED INDUSTRIES</b>	131.8	131.6	132.1	131.8	274.4	273.9	269.7	259.5
Newspapers and periodicals	128.8	128.3	126.8	122.2	260.0	255.3	247.8	234.6
Printing; book and job	141.1	141.8	144.3	143.5	301.8	307.5	307.0	291.0
Lithographing	117.5	112.4	112.3	119.0	226.3	218.9	216.3	221.4
Bookbinding	128.3	129.7	129.5	139.2	302.6	305.7	300.0	304.0
<b>CHEMICALS AND ALLIED PRODUCTS</b>	197.7	203.3	203.9	201.4	434.9	449.0	454.2	422.1
Paints, varnishes, and colors	159.1	160.2	162.7	169.8	315.1	311.4	315.5	315.9
Drugs, medicines, and insecticides	240.7	238.9	241.6	233.3	525.7	529.9	535.7	479.9
Perfumes and cosmetics	104.5	104.1	105.5	107.6	220.0	221.4	223.2	215.1
Soap	169.2	173.0	172.3	142.9	370.3	384.5	385.5	321.8
Rayon and allied products	119.2	131.6	134.9	131.4	260.9	294.7	304.0	274.6
Chemicals, not elsewhere classified	283.9	290.0	292.7	296.3	597.2	609.3	621.6	591.1
Explosives and safety fuses	355.8	363.6	366.6	350.7	694.8	714.4	729.7	648.3
Compressed and liquefied gases	223.2	224.3	225.1	252.4	481.3	489.1	490.9	483.7
Ammunition, small-arms	144.9	159.2	164.0	182.5	280.8	346.9	385.3	398.8
Fireworks	238.6	212.4	227.3	210.1	588.6	537.9	559.9	572.5
Cottonseed oil	121.0	135.2	140.0	99.5	348.3	401.7	409.9	270.2
Fertilizers	202.3	206.0	180.9	194.7	593.7	591.0	506.8	530.1
<b>PRODUCTS OF PETROLEUM AND COAL</b>	153.2	152.6	152.8	154.9	340.6	339.4	339.2	316.7
Petroleum refining	153.3	154.1	154.4	155.2	332.0	334.7	334.2	310.9
Coke and byproducts	147.6	146.9	147.4	136.8	349.8	346.6	351.0	287.3
Paving materials	125.5	92.8	87.8	92.7	277.8	207.6	191.3	206.5
Roofing materials	171.0	167.3	167.2	214.6	406.3	379.7	373.1	495.6

See explanatory notes, sections C, F, and G, and the glossary for definitions.



TABLE 10: Indexes of Production-Worker Employment and Weekly Pay Rolls in Manufacturing Industries - Continued

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
RUBBER PRODUCTS	147.8	151.0	154.5	163.8	291.4	298.4	309.8	312.8
Rubber tires and inner tubes	158.1	158.2	159.5	170.7	285.2	287.8	288.8	286.4
Rubber boots and shoes	130.9	133.9	138.8	149.0	276.1	251.6	301.5	333.9
Rubber goods, other	142.0	148.7	153.9	161.9	306.2	330.1	348.3	347.1
MISCELLANEOUS INDUSTRIES	162.7	164.8	167.9	178.4	359.5	378.2	381.4	382.6
Instruments (professional and scientific), and fire-control equipment	274.9	274.6	272.2	244.1	589.6	598.1	596.3	494.2
Photographic apparatus	210.7	210.4	212.8	217.1	415.4	426.6	432.1	416.2
Optical instruments and ophthalmic goods	217.6	219.6	221.5	226.9	439.1	447.2	452.5	438.1
Pianos, organs, and parts	145.0	147.7	156.3	170.5	306.5	311.7	329.1	357.9
Games, toys, and dolls	181.2	175.9	177.1	210.7	410.3	434.3	429.4	487.6
Buttons	105.3	110.0	112.0	116.3	242.9	258.4	263.0	269.4
Fire extinguishers	202.8	202.7	204.5	266.8	503.7	512.6	515.5	575.5

See explanatory notes, sections C, F, and G, and the glossary for definitions.

TABLE 11: Indexes of Employment and Weekly Pay Rolls in Selected Nonmanufacturing Industries

(1939 Average = 100)

Industry group and industry	Employment indexes				Pay-roll indexes			
	1949			1948	1949			1948
	Apr.	Mar.	Feb.	Apr.	Apr.	Mar.	Feb.	Apr.
<b>MINING:</b>								
Coal:								
Anthracite	89.6	90.1	91.1	91.9	195.7	160.1	168.3	195.4
Bituminous-coal	104.7	105.4	107.3	79.7	326.1	309.0	341.0	167.4
Metal	102.4	101.6	100.2	99.0	235.2	237.4	228.6	201.7
Iron	157.7	152.1	151.7	153.7	374.3	368.2	364.7	319.7
Copper	110.5	111.4	106.8	107.2	277.1	277.3	252.9	232.6
Lead and zinc	104.4	104.8	104.3	100.4	265.6	285.7	276.1	235.8
Gold and silver	34.9	35.0	35.1	32.5	64.3	63.9	66.2	55.2
Miscellaneous	187.6	188.5	191.7	182.8	388.4	396.0	396.2	343.1
Quarrying and nonmetallic	118.9	114.2	111.9	122.5	309.6	286.8	281.2	295.4
Crude petroleum and natural gas production	112.6	112.9	113.2	111.2	235.8	233.1	236.7	213.4
<b>TRANSPORTATION AND PUBLIC UTILITIES:</b>								
Class I railroads <u>1/</u>	123.0	121.3	124.6	127.3	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>
Street railways and busses	124.3	124.9	125.1	128.3	226.5	228.7	230.6	227.1
Telephone	200.4	200.5	201.6	198.3	342.0	344.9	346.2	317.7
Telegraph	86.1	86.0	87.1	97.9	210.6	206.8	208.6	224.8
Electric light and power	116.0	115.6	115.5	111.7	208.1	206.1	206.3	188.6
<b>TRADE: <u>2/</u></b>								
Wholesale	114.0	114.5	114.9	114.8	218.7	217.4	219.3	211.0
Retail	113.0	109.3	109.1	112.8	223.4	214.5	214.4	211.1
Food	112.6	112.0	111.8	116.1	234.4	231.7	232.4	225.5
General merchandise	128.2	119.0	118.7	123.4	244.0	227.5	225.0	225.8
Apparel	123.9	108.8	106.3	114.6	238.1	200.0	198.7	209.2
Furniture and housefurnishings	89.2	89.8	90.1	91.6	176.1	177.1	180.3	175.6
Automotive	108.2	107.1	107.3	107.1	220.3	212.7	210.4	204.7
Lumber and building materials	116.0	114.0	115.0	121.9	237.7	232.1	234.4	234.9
<b>SERVICE:</b>								
Hotels (year-round) <u>3/</u>	111.6	112.0	112.9	116.9	232.0	233.1	236.3	233.4
Power laundries	110.3	110.2	110.8	118.3	221.2	219.2	219.8	231.5
Cleaning and dyeing	151.2	144.5	143.3	159.0	308.9	278.9	271.1	308.0

See footnotes, table 9, and explanatory notes, sections C, F, and G.

1/ Source: Interstate Commerce Commission. Pay-roll data are not available.2/ Data include all nonsupervisory employees and working supervisors.3/ Money payments only; additional value of board, room, uniforms, and tips, not included.

## EXPLANATORY NOTES

Sec. A. Scope of Employment Adjustments - The employment data shown in this report for the industry divisions (e.g., manufacturing, mining, etc.) and industry groups (e.g., iron and steel, electrical machinery, etc.) have been adjusted to levels indicated by Federal Security Agency data through 1946 and have been carried forward from 1946 bench-mark levels, thereby providing consistent series.

Sec. B. Sources of Bench-Mark Data - In preparing data for private employment prior to 1939, the various industrial censuses taken by the Bureau of the Census were used as sources of bench-mark data. Data obtained from the Federal Security Agency are the main bases for 1946 bench marks. Bench marks for State and local government are based on reports compiled by the Bureau of the Census, while information on Federal Government employment is made available by the U. S. Civil Service Commission. The Interstate Commerce Commission is the source for Class I railroads, and the U. S. Maritime Commission for water transportation.

Sec. C. Adjustments of Production-Worker Series - Data for the manufacturing major industry groups have been adjusted to levels indicated by Federal Security Agency data through 1946 and have been carried forward from 1946 bench-mark levels, thereby providing consistent series. Data for the individual manufacturing industries, with the exception of the industries in the transportation equipment except automobiles group, have been adjusted to 1946 bench-mark levels. In the nonmanufacturing industries, the entire series of mining industries have been adjusted to 1946 bench-mark levels.

Since the data shown in this report cover only the current months, a set of summary sheets for each industry presenting comparable figures from January 1939 to date, by months, will be provided upon request to the Bureau of Labor Statistics. Such requests should specify the series desired.

Sec. D. Employment Methodology - Changes in the level of employment are based on reports from a sample group of establishments, inasmuch as full coverage is prohibitively costly and time-consuming. In using a sample, it is essential that an accurate base be established from which the series may be carried forward. This base or "bench mark" is either a complete count or a figure with a satisfactory degree of accuracy. When a new bench mark becomes available, data prepared since the last

bench mark are reviewed to determine if any adjustment of level is required. This is the basic principle of the employment series prepared by the BLS. It yields a satisfactory compromise between a slow but highly accurate complete count on the one hand, and a rapid but less accurate sample count on the other.

Briefly, the BLS computes employment data as follows: first, a bench mark or level of employment is determined; second, a sample of establishments is selected; and third, changes in employment indicated by this reporting sample are applied to the bench mark to determine the monthly employment between bench-mark periods. For example, if the latest complete data on employment for an industry were 40,200 in September, and if the industry has a reporting sample of 13 establishments employing 23,200 workers in September and 23,800 in October, the October figure would be prepared as follows:

$$40,200 \times \frac{23,800}{23,200} = 41,240$$

In general, then, the month-to-month changes in employment reflect the fluctuations shown by establishments reporting to the BLS.

Why Adjustments Are Necessary - Because reports are not immediately available from new firms, they are frequently introduced into the BLS sample after they have been in operation for some time. This lapse of time produces a rather consistent understatement which becomes larger from year to year. It is important, therefore, that data not be allowed to go uncorrected for too long a period. The most recent adjustments correct for the downward bias that had accumulated in the nonmanufacturing series beginning January 1945 and in the manufacturing series beginning January 1946. Adjustments in some industry divisions were made in order to incorporate greater refinements in methodology and new source materials that have become available.

Sec. E. Comparability With Other Types of Employment Data - The Bureau of Labor Statistics employment series are based upon reports submitted by cooperating establishments and therefore differ from employment information obtained by household interviews, such as the Monthly Report of the Labor Force. The BLS series of employment in nonagricultural establishments differ from the Monthly Report of the Labor Force total non-agricultural employment figures in several important respects.

For example: (1) The BLS information covers all full- and part-time wage and salary workers in private nonagricultural establishments who worked or received pay during the pay period ending nearest the 15th of the month; in Federal establishments during the pay period ending just before the first of the month; and in State and local government during the pay period ending on or just before the last of the month. Persons who worked in more than one establishment during the reporting period would be counted more than once; (2) Proprietors, self-employed persons, domestic servants, and unpaid family workers are excluded.

Sec. F. Pay-Roll Indexes - Cooperating establishments are instructed to report pay rolls of production or nonsupervisory workers prior to deduction for old age and unemployment insurance, withholding taxes, bonds, and union dues. Pay for sick leave, holidays, and vacations taken is included. Respondents are instructed to exclude pay for vacations not taken as well as cash estimates of any payments in kind. Bonuses, unless earned and paid regularly each pay period, are also excluded.

The methodology for obtaining pay-roll indexes is similar to that for employment. Sample changes showing monthly movements are used in projecting established bench marks to secure current pay-roll figures. These pay-roll figures are converted into indexes, using the 1939 average as a base.

Sec. G. Source of Data - Employment and pay-roll data are based on reports from cooperating establishments. The approximate number of establishments, and workers covered, for each industry division is as follows:

Approximate Coverage of BLS Employment and Pay-Roll Sample

Industry division	: Number : of estab- : lishments:	Employees or production workers	
		Number	: Percent of total
Manufacturing	34,300	7,542,000	56
Mining	2,700	407,000	52
Contract construction	12,500	480,000	22
Public utilities	7,500	933,000	78
Trade:			
Wholesale	12,800	360,000	20
Retail	37,900	1,097,000	25
Service:			
Hotels (year-round)	1,200	131,000	35
Power laundries and cleaning and dyeing	1,600	67,000	21

Sec. H. Coverage of Employment Data - The employment series shown in tables 1, 2, 3, 6, and 7 cover all full- and part-time wage and salary workers who worked or received pay during the pay period ending nearest the 15th of the month. Proprietors, self-employed persons, domestic servants, and personnel of the armed forces are excluded. The figures and indexes shown in tables 8 and 10 refer to production and related workers as defined in the glossary.

Sec. I. State Employment - State data are prepared in cooperation with various State Agencies as indicated below. The series for manufacturing have been adjusted to recent data made available under the Federal Social Security program. Since some States have adjusted to more recent bench marks than others, and because varying methods of computation are used, the total of the State series differs from the national total (see tables 1 and 2). Because of these recent revisions the State data for manufacturing are not consistent with the unrevised data shown prior to June 1947 for total employment in nonagricultural establishments, by State. A number of States also make available more detailed industry data and information for earlier periods which may be secured directly upon request to the appropriate State Agency. Nonagricultural employment, by State, for those States which are now publishing such series are shown in table 6 and are consistent with the manufacturing data in table 7. As nonagricultural data for additional States become available, they will be shown in table 6.

The following publications are available upon request from the BLS Regional Offices or the Bureau's Washington Office:

Nonagricultural Employment, by State, 1943-1947.

Employment in Manufacturing Industries, by State, 1943-1946.

Total Employment in Manufacturing Industries by State, 1947.

#### COOPERATING STATE AGENCIES

Alabama - Dept. of Industrial Relations, Montgomery 5.

Arizona - Unemployment Compensation Div., Employment Security Commission, Phoenix.

Arkansas - Employment Security Div., Dept. of Labor, Little Rock.

California - Div. of Labor Statistics and Research, Dept. of Industrial Relations, San Francisco 3.

Connecticut - Employment Security Div., Dept. of Labor and Factory Inspection, Hartford 15.

Delaware - Federal Reserve Bank of Philadelphia, Philadelphia 1, Pa.  
 Florida - Unemployment Compensation Div., Industrial Commission,  
           Tallahassee.  
 Georgia - Employment Security Agency, Dept. of Labor, Atlanta 3.  
 Idaho - Employment Security Agency, Industrial Accident Board, Boise.  
 Illinois - Div. of Placement and Unemployment Compensation, Chicago 54.  
 Indiana - Employment Security Div., Indianapolis 4.  
 Iowa - Employment Security Commission, Des Moines 9.  
 Kansas - Employment Security Div., State Labor Dept., Topeka.  
 Kentucky - Dept. of Economic Security, Frankfort.  
 Louisiana - Div. of Employment Security, Dept. of Labor, Baton Rouge 4.  
 Maine - Unemployment Compensation Commission, Augusta.  
 Maryland - Dept. of Employment Security, Baltimore 2.  
 Massachusetts - Div. of Statistics, Dept. of Labor and Industries,  
                   Boston 10.  
 Michigan - Dept. of Labor and Industry, Lansing 13.  
 Minnesota - Div. of Employment and Security, Dept. of Social  
             Security, St. Paul 1.  
 Missouri - Div. of Employment Security, Dept. of Labor and Indus-  
             trial Relations, Jefferson City.  
 Montana - Unemployment Compensation Commission, Helena.  
 Nebraska - Div. of Employment Security, Dept. of Labor, Lincoln 1.  
 Nevada - Employment Security Dept., Carson City.  
 New Hampshire - Unemployment Compensation Div., Bureau of Labor, Concord.  
 New Jersey - Dept. of Labor and Industry, Trenton 8.  
 New Mexico - Employment Security Commission, Albuquerque.  
 New York - Div. of Placement and Unemployment Insurance, Dept. of  
             Labor, New York 17.  
 North Carolina - Dept. of Labor, Raleigh.  
 North Dakota - Unemployment Compensation Division and Employment  
                 Service, Bismarck.  
 Oklahoma - Employment Security Commission, Oklahoma City 2.  
 Pennsylvania - Federal Reserve Bank of Philadelphia, Philadelphia 1  
                 (mfg.); Bureau of Research and Information, Dept. of  
                 Labor and Industry, Harrisburg (nonmfg.)  
 Rhode Island - Div. of Census and Information, Dept. of Labor,  
                 Providence 2.  
 South Dakota - Employment Security Dept., Aberdeen.  
 Tennessee - Dept. of Employment Security, Nashville 3.  
 Texas - Bureau of Business Research, University of Texas, Austin 12.  
 Utah - Dept. of Employment Security, Industrial Commission, Salt  
         Lake City 13.  
 Vermont - Unemployment Compensation Commission, Montpelier.  
 Virginia - Div. of Research and Statistics, Dept. of Labor and  
             Industry, Richmond 21.  
 Washington - Employment Security Dept., Olympia.  
 Wisconsin - Statistical Dept., Industrial Commission, Madison 3.  
 Wyoming - Employment Security Commission, Casper.

## BLS REGIONAL OFFICES

New England: Regional Director, U. S. Bureau of Labor Statistics, Old South Bldg., 294 Washington St., Boston 33, Massachusetts (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont).

North Atlantic: Regional Director, U. S. Bureau of Labor Statistics, Room 1000, 341 Ninth Avenue, New York 1, New York (Delaware, District of Columbia, Maryland, New Jersey, New York, Pennsylvania).

Southern: Regional Director, U. S. Bureau of Labor Statistics, 1020 Grant Bldg., Forsyth and Walton Streets, Atlanta 3, Georgia (Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia).

North Central: Regional Director, U. S. Bureau of Labor Statistics, Room 312, 226 W. Jackson Blvd., Chicago 6, Illinois (Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, West Virginia, Wisconsin).

Pacific-Rocky Mountain: Regional Director, U. S. Bureau of Labor Statistics, 550 Federal Office Bldg., Fulton and Leavenworth Streets, San Francisco 2, California (Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming).

## GLOSSARY

Continental United States - Covers only the 48 States and the District of Columbia.

Contract Construction - Covers only firms engaged in the construction business on a contract basis for others. Force-account construction workers, i.e., hired directly by and on the pay rolls of Federal, State, and local government, public utilities, and private establishments, are excluded.

Defense Agencies - Covers civilian employees of the National Military Establishment, Maritime Commission, National Advisory Committee for Aeronautics, The Panama Canal, Philippine Alien Property Administration, Philippine War Damage Commission, Selective Service System, War Assets Administration, Office of Defense Transportation, National Security Resources Board, National Security Council.

Family Allowances - Represents the Government's contribution; the amount contributed by the personnel is included under pay rolls.

Federal Government-Executive Branch - Includes U. S. Navy Yards, Federal arsenals, and force-account construction. Fourth-class postmasters are included under the executive branch in table 4, but are excluded from the government data shown in tables 1 and 3.



Employment shown here for the executive branch differs from data published by the U. S. Civil Service Commission in the following respects: (1) Employment collected and published by the Civil Service Commission as of the last day of the month, is here presented as of the first day of the next month; (2) substitute rural mail carriers are excluded; (3) employment in December of each year includes the additional postal employees necessitated by the Christmas season, excluded from published Civil Service Commission figures starting 1942; (4) seamen and trainees who are hired and paid by private steamship companies having contracts with the Maritime Commission are excluded; (5) the Panama Railroad Company is shown here under Government corporations but is included under the executive branch by the Civil Service Commission.

Finance - Covers establishments operating in the fields of finance, insurance, and real estate; excludes the Federal Reserve District Banks and the mixed-ownership banks of the Farm Credit Administration.

Government - Covers Federal, State, and local governmental establishments performing legislative, executive, and judicial functions, as well as all government-owned and operated establishments and institutions (arsenals, navy yards, hospitals, etc.), government corporations, and government force-account construction. The data shown in tables 1 and 3 exclude fourth-class postmasters because they presumably have other major jobs.

Government Corporations - Covers only three corporations: The Panama Railroad Company, the Federal Reserve Banks, and the mixed-ownership banks of the Farm Credit Administration. All other corporations are included under the executive branch.

Indexes of Production-Worker Employment - Number of production workers expressed as a percentage of the average employment in 1939.

Indexes of Production-Worker Weekly Pay Rolls - Production-worker weekly pay rolls expressed as a percentage of the average weekly pay roll for 1939.

Leave Payments - Payments were authorized by Public Law 704 of the 79th Congress and were continued by Public Law 254 of the 80th Congress to enlisted personnel who were discharged prior to September 1, 1946 for accrued and unused leave and to officers and enlisted personnel then on active duty for leave accrued in excess of 60 days. Value of bonds represents face value; interest is paid in addition when bonds are cashed. Lump-sum payments for terminal leave, which were authorized by Public Law 350 of the 80th Congress, and were started October 1947, are excluded here and included under pay rolls.

Manufacturing - Covers only privately owned establishments; governmental manufacturing operations such as arsenals and navy yards are excluded.

Military Personnel - Represents persons on active duty as of the first of the month. Reserve personnel are excluded if on inactive duty or if on active duty for a brief training or emergency period.

Military Pay Rolls - Represent pay roll obligations based on an average monthly personnel count, plus lump-sum payments for terminal leave. Pay rolls for the Navy and Coast Guard include cash payments for clothing-allowance balances in January, April, July, and October.

Mining - Covers establishments engaged in the extraction from the earth of organic and inorganic minerals which occur in nature as solids, liquids, or gases; includes various contract services required in mining operations, such as removal of overburden, tunnelling and shafting, and the drilling or acidizing of oil wells; also includes ore dressing, beneficiating, and concentration.

Nonagricultural Establishments - Governmental or private business establishments; (1) that are physically located within continental United States; and (2) whose principal activity can be classified under one of the following industry divisions - manufacturing, mining, contract construction, transportation and public utilities, trade, finance, service, or government.

Pay Rolls - Private pay rolls represent weekly pay rolls of both full- and part-time production and related workers (or nonsupervisory employees and working supervisors) who worked or received pay for any part of the pay period ending nearest the 15th of the month, before deductions for old-age and unemployment insurance, group insurance, withholding tax, bonds, and union dues, but after deductions for damaged work. Includes pay for sick leave, holidays, and vacations taken. Excludes cash payments for vacations not taken, retroactive pay not earned during period reported, value of payments in kind, and bonuses, unless earned and paid regularly each pay period. In coal mining portal-to-portal pay is included.

Federal civilian pay rolls are for all employees before deductions for income tax, retirement, and bonds, and cover the working days in the calendar year.

Production and related workers - Includes working foremen and all nonsupervisory workers (including lead men and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, products development, auxiliary production for plant's own use (e.g., power plant), and record-keeping and other services closely associated with the above production operations. Excludes supervisory employees (above the working foreman level) and their clerical staffs, routemen, salesmen, and other groups of nonproduction workers defined below under wage and salary workers.

Service - Covers establishments primarily engaged in rendering services to individuals and business firms. Excludes automobile repair services, government-owned and operated hospitals, museums, etc., and domestic service.

Trade - Covers establishments engaged in wholesale trade, i.e., selling merchandise to retailers, and in retail trade, i.e., selling merchandise for personal or household consumption, and rendering services incidental to the sales of goods. Includes auto repair services.

Transportation and public utilities - Covers only privately owned and operated enterprises engaged in providing all types of transportation and related services; telephone, telegraph, and other communication services; or providing electricity, gas, steam, water, or sanitary service. Government-owned and operated establishments are included under government.

Wage and salary workers - In addition to production and related workers as defined above, includes workers engaged in the following activities: executive, purchasing, finance, accounting, legal, personnel (including cafeterias, medical, etc.), professional and technical activities, sales, sales-delivery, advertising, credit, collection, and in installation and servicing of own products, routine office functions, factory supervision (above the working foreman level), and other workers not included as production workers. Also includes employees on the establishment pay roll engaged in new construction and major additions or alterations to the plant who are utilized as a separate work force (force-account construction workers).

Wage earner - See production workers.

Washington, D. C. - Data for the executive branch of the Federal Government also include areas in Maryland and Virginia which are within the metropolitan area, as defined by the Bureau of the Census.