

OCTOBER, 1931

SURVEY

OF

CURRENT BUSINESS



UNITED STATES
DEPARTMENT OF COMMERCE
BUREAU OF FOREIGN AND DOMESTIC COMMERCE
WASHINGTON

VOLUME 11

NUMBER 10

TRENDS

Your records may not show them. Research does.

TRENDS are not determined merely by studying your plant or your customers. Research traces the direction your industry is taking, not only in your own selling community but over the whole Continent, even the world; and indicates whether your organization can follow wherever the arrow points to *greater sales, increased profits*.

THE SURVEY of CURRENT BUSINESS

starts you at the first tee in your trail of trends with a summary of the current business situation and of developments in your field. It then follows through with specific data related to your own activities—prices, production, stocks, new orders, unfilled orders, exports, retail sales, employment, wages, and other basic figures.

TRENDS

thus trailed by facts lead to seasonal or permanent adjustments in your business; explorations into new territories; perhaps, new undertakings.

Your records will show the results of this research—a larger net on your income statement, a greater surplus on your balance sheet.

WEEKLY DATA THROUGH SEPTEMBER 26, 1931
MONTHLY DATA THROUGH AUGUST

SURVEY OF CURRENT BUSINESS

PUBLISHED BY

UNITED STATES DEPARTMENT OF COMMERCE
WASHINGTON



CONTENTS

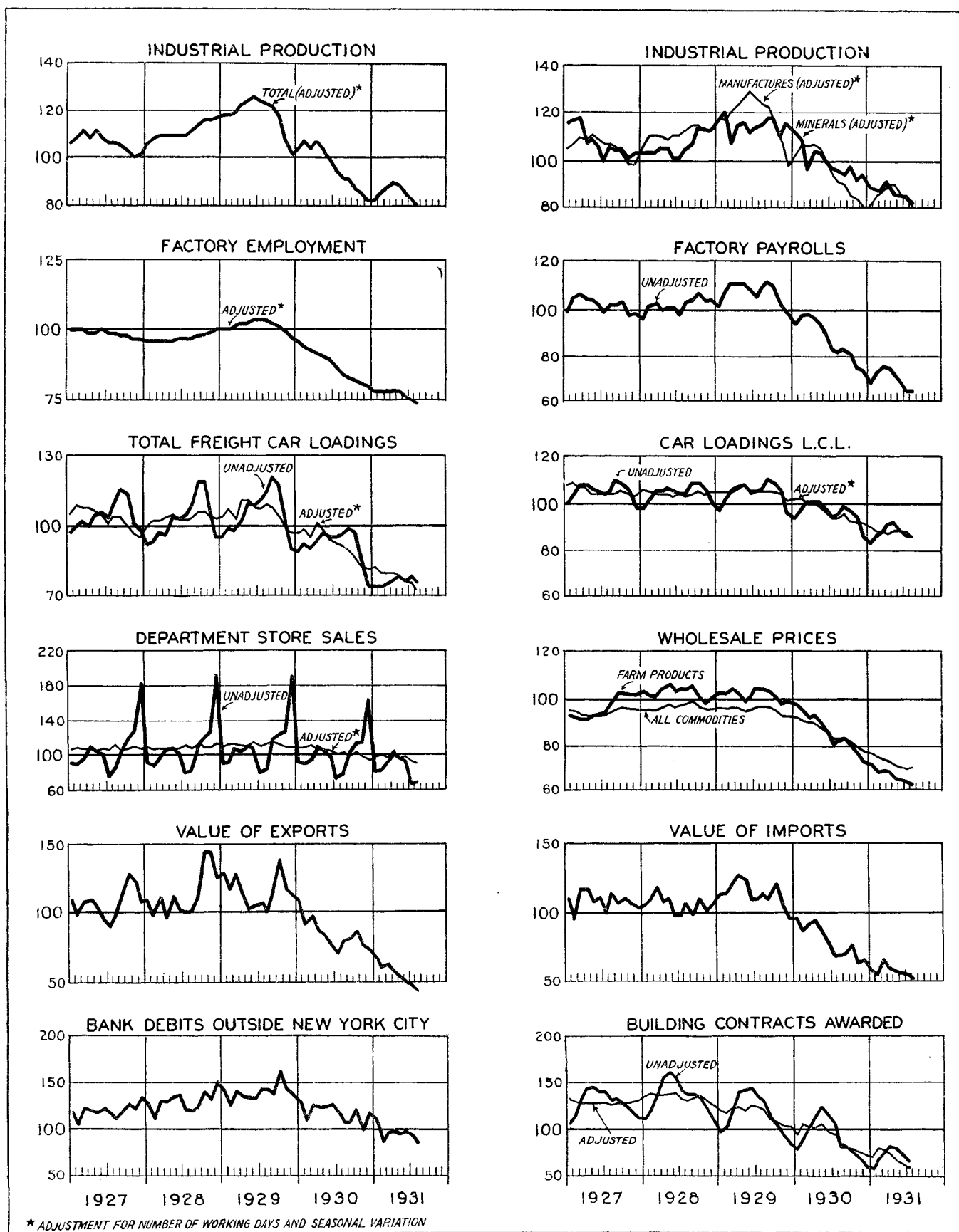
	Page
Monthly business indicators.....	2
Business situation summarized.....	3
Finance.....	4
1931 in comparison.....	6
Commodity prices.....	7
Employment.....	8
Domestic trade.....	9
Foreign trade.....	10
Transportation.....	11
Construction.....	12
Agriculture.....	13
Iron and steel industry.....	14
Metals and metal products.....	15
Automobile and rubber industries.....	16
Textiles industry.....	17
Food industries.....	18
Forest products industry.....	19
Miscellaneous industries.....	20
New and revised series.....	21
Weekly business statistics.....	22
Monthly business statistics (Index).....	23

Subscription price of the SURVEY OF CURRENT BUSINESS is \$1.50 a year which includes the 12 monthly numbers, the annual supplement, and the 52 weekly supplements; single copies (monthly), 10 cents; annual supplement, 25 cents. Foreign subscriptions without weekly supplements, \$2.50; single copies (monthly issues), including postage, 14 cents; annual supplement, 36 cents. Make remittances only to Superintendent of Documents, Washington, D. C., by postal money order, express order, or New York draft.

Currency at sender's risk. Postage stamps or foreign money not accepted

Monthly Business Indicators

1923-1925=100



Business Situation Summarized

BUSINESS continues extremely dull, and the seasonal increase which usually occurs at this time of the year has been slow in developing. Industrial production in August receded slightly from the July level, and the adjusted index fell below that of last December. Declines of about equal proportions in manufacturing and mineral production caused the general index to drop 3.6 per cent below July and 12 per cent below August, 1930. Recession during the month was pronounced in the iron and steel, automobile, cement, and petroleum industries. Activity in major lines of consumers' goods continued on a relatively favorable plane, resulting in pay-roll gains in the textile, food products, and leather industries. Silk and cotton consumption in August were substantially in excess of a year ago, and the output of boots and shoes was the largest since October, 1929. The adjusted employment index was slightly below July, while the unadjusted index of pay rolls was unchanged.

Distribution indexes have also failed to expand. Freight-car loadings again declined, the adjusted index receding about 5 per cent below July. Department store sales were larger, but the increase was less than seasonal. Bank debits outside New York were about 10 per cent lower than in July, and have not increased so far in September.

Probably the most encouraging feature of the month was the continued stability of wholesale prices, the index of which has remained substantially unchanged since June. The severe decline in construction awards in early August was canceled in a measure by the subsequent increase, although the total for the month was off more than seasonally.

Reserve bank credit outstanding increased sharply during August, primarily as a result of continued currency withdrawals and the transfer of an additional volume of foreign bank funds from the money markets to deposits in the reserve banks. Changes in money rates were negligible, and the market was characterized by continued ease. Stock prices in August fluctuated within a narrow range, but in September acute weakness carried the market below the June lows. Bond prices have also been reactionary. Gold holdings advanced in August, but more recently important amounts have been placed under earmark for foreign account as a result of the unsettlement abroad. New capital issues were relatively small. Commercial failures in August decreased, both in number and liabilities involved, but bank suspensions were more numerous and the deposits affected were the largest since last December.

MONTHLY BUSINESS INDEXES

Year and month	Industrial production			Factory employment and pay rolls		Freight car loadings				Department store sales, value		Foreign trade, value		New debits outside New York City	Building contracts, all types, value, adjusted	Wholesale prices		
	Total, adjusted ¹	Manufactures, adjusted ¹	Minerals, adjusted ¹	Number of employees, adjusted ¹	Amount of pay rolls, unadjusted ¹	Total		Merchandise, l. c. l.		Unadjusted ¹	Adjusted ¹	Exports	Imports			Combined index, 500 commodities	Farm products	Other than farm products and foods
						Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Adjusted ¹									
																Monthly average 1923-1925=100		
1929: August	123	124	115	103	111	115	107	106	106	84	111	100	114	143.7	122	97.7	107.1	92.5
1930:																		
August	91	90	96	84	82	96	89	95	95	77	102	78	68	106.2	81	84.0	84.9	83.3
September	91	90	94	83	83	99	87	99	95	103	99	82	70	107.7	81	84.2	85.3	82.8
October	87	85	98	82	81	97	86	97	93	112	102	86	77	120.1	78	82.6	82.6	81.5
November	85	84	92	81	75	86	84	94	92	113	98	76	63	99.9	76	80.4	79.3	80.1
December	82	80	94	80	74	74	84	86	92	165	94	72	65	117.2	73	78.4	75.2	79.0
1931:																		
January	83	81	90	78	68	74	82	83	90	79	97	66	57	110.0	71	77.0	73.5	77.8
February	86	86	88	78	73	74	80	87	89	80	98	59	54	86.6	79	75.5	70.1	77.1
March	88	88	87	78	75	75	80	89	89	92	97	62	65	98.4	77	74.5	70.6	75.6
April	90	90	92	78	74	77	80	91	88	101	106	57	58	99.5	73	73.3	70.1	74.2
May	89	89	86	78	72	79	79	92	80	97	97	54	56	95.6	66	71.3	67.1	73.2
June	84	84	85	76	68	77	77	89	89	90	95	49	55	98.4	64	70.0	65.4	71.9
July	83	83	84	75	64	78	76	87	88	65	91	48	54	93.5	61	70.0	64.9	71.8
August	80	80	81	74	64	76	72	86	86	68	90	43	51	83.8	60	70.2	63.5	72.3
Monthly average, January through August:																		
1929	122	123	115	102	109	105	107	104	105	96	111	112	116	137.7	122	97.0	105.4	92.9
1930	101	101	102	91	92	93	95	98	110	91	105	87	84	120.2	98	88.9	92.4	87.2
1931	85	85	87	77	70	76	78	88	89	84	96	55	56	95.7	69	72.7	68.2	74.2

¹ Adjusted for seasonal variation.

² Adjusted for number of working days.

Finance—Credit and Banking

CREDIT and banking statistics during August were indicative of the continued low level of business activity. Bank debits in New York City, which reflect to a fair degree conditions in the security markets, fell during August approximately 16 per cent below those of the previous month. Debits outside of New York City, which reflect the general tendencies in business turnover, showed a decline of about 10 per cent. To some extent seasonal influences accounted for these trends, but the failure of general business activity to hold to seasonal levels caused the drop to be somewhat marked.

Liquidation of commercial bank portfolios is reflected in the general downward trend of both loans and investments. The decline in "all other" loans fails to show the full degree to which commercial loans have receded, owing to the inclusion of certain bank holdings of acceptances which do not represent new commercial transactions. The August decline in loans on securities is in line with a trend evident throughout the year and influenced in part by the low prices of stocks. The month's change in bank investments is somewhat contrary to the general trend since the end of 1929 and is indicative of the tendency on the part of banks to protect their reserve position in time of stress. During the first half of September there was no change in these general trends.

The condition of the Federal reserve banks at the

end of August reflected several recent and significant developments. The marked increases in Federal reserve notes in circulation during a month of receding business activity is apparently influenced in part by the tendency of individuals and institutions to maintain a somewhat more liquid position than usual. A factor which reflects a condition of international interest is the month's sharp increase in bills bought in the open market. This sharp reversal was apparently the result of England's action in drawing on her American credits in an effort to stem the flow of gold from London, a development which culminated during the third week of September in the suspension of sterling payments in gold. In consequence of these domestic and foreign developments total reserve bank credit exceeded the billion dollar mark for the first time this year.

Despite a net import of gold during August, the reserve ratio showed the sharpest drop for any month this year. The decline was due to a sharp increase in reserve-bank liabilities, especially in the note circulation. The month's drop in total bankers' acceptances outstanding was approximately equal to the decline of the preceeding month. These two reductions for single months were influenced to a large degree by sharp contractions of credits based on goods stored in or shipped between foreign countries and by the maturity of credits which were not renewed.

CREDIT AND BANKING STATISTICS

	Bank debits			Reporting member banks Wednesday closest to end of month			Condition of Federal reserve banks, end of month							Total bankers' acceptances outstanding end of month	Net gold imports including gold released from ear-mark	Deposits New York State savings banks
	New York City	Outside New York City	Canada	Loans on securities	All other loans	Investments	Total bills discounted	Total bills bought in the open market	Total United States securities	Total reserve bank credit	Notes in circulation	Member bank reserve account	Reserve ratio			
MILLIONS OF DOLLARS																
1929: August----	49,034	28,339	3,667	7,515	9,434	5,456	1,046	176	150	1,439	1,880	2,337	73.2	1,201	17.4	4,426
1930:																
August.....	25,052	20,941	3,802	8,350	8,416	6,338	215	168	602	1,025	1,374	2,378	81.1	1,339	-19.6	4,591
September....	27,383	21,253	2,967	8,476	8,451	6,454	272	209	597	1,103	1,379	2,467	79.7	1,367	6.5	4,662
October.....	30,781	23,693	3,618	8,065	8,707	6,731	207	163	602	998	1,368	2,418	82.2	1,508	20.3	4,658
November....	22,490	19,700	2,974	7,768	8,766	6,800	275	175	599	1,079	1,455	2,373	80.3	1,571	33.1	4,666
December....	29,001	23,113	3,012	7,814	8,449	6,693	251	364	729	1,373	1,664	2,471	73.7	1,556	17.5	4,792
1931:																
January.....	24,557	21,697	2,668	7,379	8,374	6,843	232	125	610	980	1,494	2,398	82.2	1,520	46.3	4,888
February....	20,948	17,084	2,535	7,313	8,151	7,183	198	109	599	925	1,478	2,343	83.7	1,520	18.6	4,928
March.....	27,589	19,421	2,570	7,256	8,126	7,551	250	124	599	990	1,486	2,428	82.6	1,467	28.6	5,018
April.....	26,821	19,620	2,786	7,052	7,941	7,903	157	163	598	937	1,535	2,371	84.0	1,422	42.0	5,059
May.....	25,072	18,858	3,172	6,867	7,863	7,807	174	125	598	917	1,580	2,389	84.9	1,413	53.6	5,083
June.....	25,893	19,406	2,694	6,746	7,945	7,795	149	106	668	943	1,723	2,381	84.6	1,368	156.1	5,156
July.....	21,007	18,444	2,400	6,544	7,942	7,810	195	73	678	976	1,765	2,367	83.8	1,228	-10.2	5,149
August.....	17,501	16,526	-----	6,519	7,879	7,665	255	215	728	1,255	1,963	2,373	78.8	1,090	41.5	-----

Finance—Security and Money Markets

STEADY declines in the general level of bond prices, halted temporarily in the final week, featured security markets during August. All stocks listed on the New York Stock Exchange as of September 1 showed a slight appreciation as compared with a month previous. In the first half of September both stock and bond prices dropped rapidly and liquidation assumed increasing proportions.

Activity during the greater part of August was accompanied by a relatively low rate of turnover. During the first three weeks of September, however, sales assumed greater volume largely as a result of heavy liquidation early in the month and heavy alternate selling and buying immediately preceding and following the suspension of gold payments by England.

Reported stock sales during August were on an exceptionally low level. The turnover showed a marked increase during the first three weeks of September owing to occasional periods of heavy liquidation. In a fair degree security market activity, as reflected in both turnover and price, moved sympathetically with developments in the international money markets and with the security price trend in leading European markets. The far-reaching nature of these influences caused bond prices to move in general with stock prices.

After sharp declines during the first week of August various bond groups, especially certain European and South American issues, showed renewed strength but by the middle of the month weakness again definitely set in and prices moved steadily downward throughout August and the first half of September.

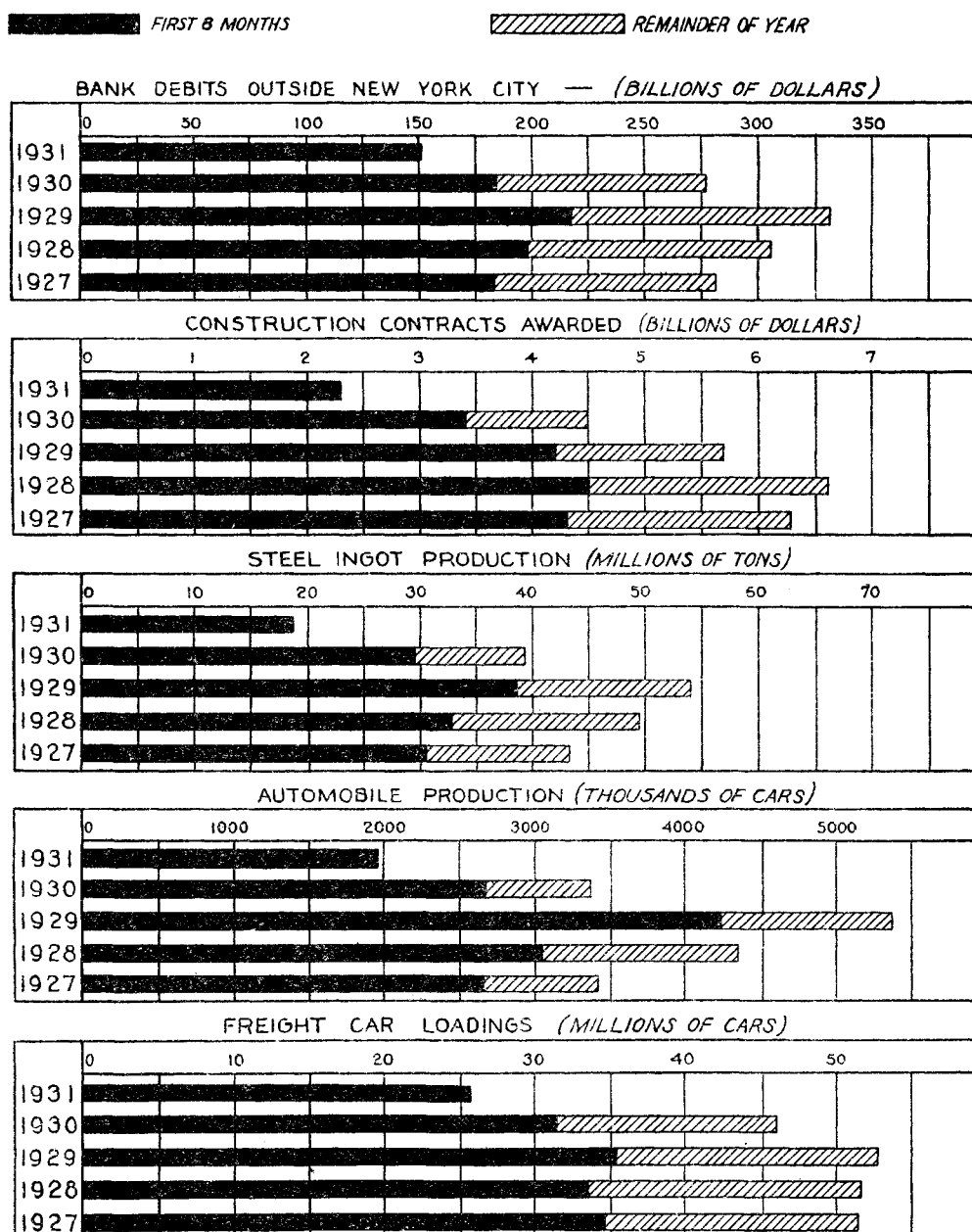
Continued weakness in the general banking situation, as well as in the security markets, continues to be reflected in the unusually low level of new capital issues. August issues were considerably below those of February, the record low month of the first half of the year. Issues of long-term real-estate bonds, though still on a low monthly level, showed a marked increase during August over those of the preceding month. Total dividend and interest payments fell below those of any preceding month of 1931 but were only 3 per cent less than in August, 1929.

Average money rates showed no change during August. Loans to members of the New York Stock Exchange from all sources increased slightly, whereas loans to brokers by reporting banks in New York City showed further reduction. This contrast in trend suggests increased lending from by private and non-banking sources.

SECURITY AND MONEY MARKET STATISTICS

	Stock prices	Re-ported sales of stocks	Com-mon-stock yields	Price indices of foreign listed common stock			Bond yields	New capital issues	Long-term real estate bonds	Total dividend and interest pay-ments	Range of open market money rates New York			Brokers' loans		
				Lon-don	Paris	Berlin					Call money-renewal	Time loans	Com-mercial paper	Made by re-orting member banks in N.Y.C., Wed. closest to end of month	Re-ported by the New York Stock Ex-change, end of month	Ra-tio to mar-ket value
	Rel. to 1926	Thou-sands of shares	Per cent	Rel. to Dec. 31, 1923	Rela-tive to 1913	Price to par weight-ed	Per cent	Thousands of dollars			Per cent			Millions of dollars		Per cent
1929: August.....	218.1	95,705	3.01	125.81	497	150.2	4.74	763,177	28,403	410,500	8.23	8¼-9	0 -6¼	6,217	7,882	8.79
1930:																
August.....	147.6	39,870	4.42	96.60	440	114.1	4.43	121,516	1,938	505,000	2.21	2½-2¾	3	3,110	3,559	5.31
September.....	148.8	53,545	4.33	90.35	424	113.2	4.41	284,570	13,890	524,100	2.19	2½-2¾	3	3,063	3,481	5.79
October.....	127.6	65,497	5.05	92.68	425	105.0	4.41	151,148	6,635	763,329	2.00	2¼-2¾	3	2,512	2,556	4.65
November.....	116.7	51,946	5.43	92.16	395	103.4	4.46	137,622	9,965	579,028	2.00	2 -2¼	2¾-3	2,111	2,162	4.06
December.....	109.4	58,764	5.62	89.94	378	97.0	4.55	180,872	29,877	712,927	2.23	2 -2½	2¾-3	1,926	1,894	3.80
1931:																
January.....	112.3	52,543	5.50	86.39	349	90.5	4.43	399,848	4,520	1,121,434	1.57	1¾-2½	2¾-3	1,734	1,720	3.30
February.....	119.8	64,145	5.12	83.92	365	84.7	4.44	74,251	3,590	523,807	1.50	1¾-2	2½-2¾	1,798	1,840	3.22
March.....	121.6	65,494	4.95	80.70	373	97.3	4.41	269,030	2,015	564,282	1.55	2 -2¼	2½	1,875	1,909	3.58
April.....	109.2	54,335	5.43	81.02	362	101.2	4.43	267,471	7,235	748,873	1.52	1¾-2¼	2½-2¾	1,730	1,651	3.40
May.....	98.0	46,661	5.95	77.63	346	96.6	4.43	169,360	9,485	559,624	1.45	1½-2	2 -2¼	1,539	1,435	3.37
June.....	95.1	58,719	5.96	70.33	322	80.6	4.45	131,343	3,425	762,077	1.50	1¼-1¾	2	1,479	1,391	2.93
July.....	98.2	33,540	5.66	76.42	329	83.7	4.44	115,070	775	945,976	1.50	1¼-1½	2	1,390	1,344	3.03
August.....	95.5	24,880	5.74	72.40	311		4.50	46,197	2,100	489,858	1.50	1¼-1½	2	1,366	1,354	3.04

1931 in Comparison



Commodity Prices

IN August, for the second successive month, prices of commodities in wholesale and retail markets, held the level of the month preceding. Farm prices averaged slightly lower.

In wholesale markets advances of 7 per cent in prices of fuel and lighting materials and slightly higher prices of foods were reflected in the combined index which registered an advance of 0.2 per cent, the first rise since September, 1930. About one-half of the commodities included in the combined index of wholesale prices did not change in price from July to August, 1931. The most conspicuous changes in prices from July to August, 1931, occurred in petroleum products and rubber, the former advancing 23.8 per cent and the latter dropping 15.2 per cent. Livestock and poultry advanced 6.3 per cent in price, prices of meat and dairy products rose 3.5 per cent and 2 per cent, respectively, and prices of anthracite coal advanced 1.5 per cent. Nonferrous metals, chemicals, and miscellaneous textiles declined in price from 2 to 3 per cent. A decline from 3 to 4 per cent occurred in prices of cotton goods, structural steel, and paint materials, and drops ranging

from 5 to 10 per cent occurred in prices of farm products other than livestock and poultry, in hides and skins, in fertilizer materials and in cattle feed.

Prices of foods at retail advanced slightly in August, 1931, as compared with the preceding month, and on August 15 prices of pork chops, cabbage, butter, and eggs were from 5 to 12 per cent higher than on July 15, 1931. Eight others of the forty-two articles of foods on which quotations are regularly received advanced (in most instances in excess of 1 per cent), 21 articles declined, and 9 remained unchanged from July to August, 1931. Nineteen of the twenty-one articles of foods declining in price exceeded 1 per cent.

Due to a drop of 25.4 per cent in prices of cotton and cottonseed and further drops in prices of grains, the combined index of farm prices fell 5.1 per cent from July to August 15, 1931, to a level of 25 per cent lower than before the war and about one-third lower than a year ago. Of 22 important farm products 17 were lower on August 15, 1931, than the 5-year pre-war average, and of these prices of cotton and grains were nearly halved.

INDEXES OF COMMODITY PRICES

Year and month	Wholesale ¹															Retail		Farm ²
	Combined index, 550 commodity quotations	Farm products	Foods	Other than farm products and foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous	Raw materials	Semimanufactures	Finished manufactures	Foods ¹	Cost of living ³	Combined index, 30 commodities
Monthly average, 1926 = 100																		
																Mo. average 1913 = 100	Mo. average 1923 = 100	Mo. average 1909 to 1914 = 100
1929: August.....	97.7	107.1	103.1	92.5	109.7	93.1	80.9	104.3	96.7	93.7	97.1	81.3	98.9	96.2	97.3	160	100.7	143
1930:																		
August.....	84.0	84.9	87.1	83.3	98.9	77.7	75.4	92.7	87.4	87.3	95.9	71.2	81.8	78.1	86.4	144	94.7	108
September.....	84.2	85.3	89.2	82.8	99.1	75.5	70.3	91.8	86.4	86.6	95.4	69.7	82.1	70.5	86.8	146	95.4	111
October.....	82.6	82.6	88.6	81.5	96.5	73.8	75.1	90.4	85.8	86.0	95.3	68.8	80.0	75.5	85.6	144	94.8	106
November.....	80.4	79.3	85.7	80.1	94.0	73.3	71.8	90.2	85.6	85.2	95.2	67.8	76.8	75.6	83.7	141	93.9	103
December.....	78.4	75.2	81.8	79.0	91.2	72.4	70.5	90.0	84.4	84.8	91.3	66.9	74.2	74.3	81.9	137	92.6	97
1931:																		
January.....	77.0	73.5	80.1	77.8	88.6	71.0	69.8	89.3	82.9	83.6	91.1	64.7	72.9	73.4	80.5	133	91.1	94
February.....	75.5	70.1	77.1	77.1	86.6	70.4	69.6	88.9	81.8	82.2	90.8	63.9	70.6	72.3	79.3	127	89.6	90
March.....	74.5	70.6	76.7	75.6	87.4	69.2	64.5	89.0	81.9	81.9	90.8	61.7	69.4	72.2	78.4	126	89.1	91
April.....	73.3	70.1	75.6	74.2	87.3	67.6	61.6	88.7	80.9	80.1	90.8	63.9	68.3	71.1	77.1	124	88.2	91
May.....	71.3	67.1	72.9	73.2	87.3	66.3	60.9	87.8	78.4	79.1	89.2	62.8	66.5	68.9	75.1	121	86.9	86
June.....	70.0	65.4	72.4	71.9	87.8	65.4	58.1	87.4	77.5	77.9	88.6	61.8	64.7	68.5	74.0	118	85.9	80
July.....	70.0	64.9	73.1	71.8	89.2	65.4	58.2	87.5	75.8	77.3	88.0	61.0	64.3	69.5	74.0	119	85.9	79
August.....	70.2	63.5	73.7	72.3	88.5	64.2	62.3	87.1	75.4	75.5	87.5	58.5	64.1	68.3	74.6	120	85.9	75
Monthly average, January through August:																		
1929.....	97.0	105.4	99.4	92.9	109.1	94.7	81.5	105.1	97.2	94.7	96.8	80.3	97.8	96.6	96.8	155	90.6	138
1930.....	88.9	92.4	92.1	87.2	102.4	84.3	77.4	97.6	92.7	90.2	96.4	76.1	87.5	85.9	90.4	149	97.1	124
1931.....	72.7	68.2	75.2	74.2	87.8	67.4	63.1	88.2	79.3	79.7	89.6	62.7	67.6	70.5	76.6	124	87.8	86

Employment

FACTORY employment increased slightly during August, but the increase was less than is usual at this season of the year. Employment in factories was on a level about 12 per cent below August 1930 and about 30 per cent below August 1929. The volume of wage payments to factory workers declined slightly from July to August, whereas an increase of 3.3 per cent usually occurs. Employment in the mining industry, after seasonal adjustments are made, increased in some branches and decreased in others.

Factory employment during the first eight months of the year averaged almost 16 per cent under the same period in 1930 and 25 per cent under 1929. The volume of pay rolls during the first eight months of the year averaged 24 per cent under 1930 and 36 per cent under 1929.

Increases in the seasonally adjusted employment indexes were recorded during August by the textiles industry only, while the iron and steel, machinery, lumber, automobiles, leather, nonferrous metals, chemicals, rubber, tobacco, cement, clay, and glass groups recorded declines of more than seasonal proportions. Employment increased normally in the food industry and decreased normally in the paper and printing industry.

An increase during August in the actual number of employees was reported by 24 of the 54 manufacturing industries on which the Bureau of Labor receives reports. The most pronounced gain in employment in these separate industries were largely seasonal and

were shown in the following industries: Pianos, 18.5 per cent; millinery, 14.1 per cent; stoves, 9.6 per cent women's clothing, 8.1 per cent; fertilizers, 7.1 per cent; and confectionery, 7 per cent.

The West, North, Central, and the South Atlantic geographic divisions reported small increases in employment in August, and the New England division reported increased earnings. The remaining divisions reported both decreased employment and earnings, the greatest decreases in both items being shown in the West South Central States.

Per capita earnings in manufacturing industries in August were 0.4 per cent lower than in July and 9.6 per cent lower than August, 1930.

Both employment and pay rolls of bituminous coal mines increased from July, and the same items for anthracite mining also recorded increases. Employment and pay rolls in retail trade during August, as compared with July, held up better than during the same period last year, although on a lower level than at this time last year. Employment and pay rolls of the public utility groups showed slight decreases from July to August.

The trade unions reported 26 per cent of their members unemployed in August, the same proportion as reported for July. This compares with a 22 per cent unemployment in August, 1930, and 9 per cent in August, 1929. Wages of common labor in road building during August were the same as reported for the month of July.

STATISTICS OF EMPLOYMENT, PAY ROLLS AND WAGES

Year and month	Factory employment F. R. B.		F. R. B. factory pay rolls, unad- justed	Bituminous coal mining		Anthracite mining		Power, light, and water		Telephone and telegraph		Retail trade		Employ- ment agencies, appli- cants per 100 jobs	Employ- ment, trade- union mem- bers	Wages, com- mon labor in road build- ing
	Ad- justed ¹	Unad- justed		Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls			
	Monthly average, 1923-1925=100			Monthly average, 1929=100												
1929:																
August.....	102.7	104.0	110.6	95.7	92.8	91.1	78.4	105.4	103.8	103.7	101.8	93.6	95.2	124	91.0	40
1930:																
August.....	84.4	85.1	81.7	89.2	71.1	80.2	78.8	100.4	106.6	98.8	102.5	85.6	87.6	177	78.0	39
September.....	83.4	86.4	83.0	90.5	74.9	93.8	91.6	105.2	106.1	96.8	102.2	92.0	92.4	170	79.0	40
October.....	82.2	84.3	80.8	91.8	79.4	99.0	117.2	104.8	105.6	94.5	100.9	95.5	95.1	193	79.0	39
November.....	81.1	81.0	75.1	92.5	79.1	97.2	98.0	103.4	103.7	93.0	97.9	98.4	96.8	227	78.0	38
December.....	80.1	78.8	73.7	92.5	77.7	99.1	100.0	103.2	106.3	91.6	101.3	115.1	07.7	218	77.0	37
1931:																
January.....	78.3	76.4	68.4	93.9	73.3	90.6	89.3	99.2	98.6	90.5	96.3	90.0	89.4	224	73.0	36
February.....	77.8	77.3	73.2	91.5	68.3	89.5	101.9	97.8	99.7	89.2	94.8	87.1	86.7	202	73.0	36
March.....	77.0	78.1	74.9	88.8	65.2	82.0	71.3	96.7	102.4	88.6	97.9	87.8	87.5	179	74.0	37
April.....	78.0	77.9	73.6	85.9	58.5	85.2	75.2	97.1	97.6	88.1	95.0	90.1	88.3	177	75.0	35
May.....	77.8	77.1	72.1	82.4	54.4	80.3	76.1	97.6	98.7	87.4	94.1	89.9	88.0	181	75.0	37
June.....	76.0	75.0	67.6	78.4	52.4	76.1	66.7	97.2	98.3	86.9	95.0	89.1	87.6	-----	75.0	37
July.....	75.1	73.8	64.4	76.4	50.4	65.1	53.7	96.7	97.4	86.6	93.3	83.9	83.3	-----	74.0	36
August.....	74.1	74.2	64.3	77.0	50.6	67.3	56.4	95.9	96.2	85.9	92.3	81.8	80.3	-----	74.0	36
Monthly average, Janu- ary through August:																
1929.....	101.7	101.4	108.6	109.3	97.6	97.7	90.6	97.7	97.3	99.0	98.7	95.9	96.6	136	88.3	38
1930.....	90.9	90.3	92.1	94.2	83.1	91.5	92.1	102.4	103.8	99.8	104.0	93.6	95.3	184	79.0	40
1931.....	76.9	76.2	69.8	84.3	59.2	79.5	73.8	97.3	98.6	87.9	94.8	87.5	86.4	-----	74.1	36

Domestic Trade

DEPARTMENT store sales increased slightly less than the usual seasonal amount during August, according to the seasonally adjusted index of the Federal Reserve Board. Sales during August were 12 per cent less than in the same month last year, measured in dollar volume, and the cumulative total for the first eight months of the year was 9 per cent less than in corresponding period in 1930. The value of stocks of goods in department stores, as indicated by the seasonally adjusted index of the Federal Reserve Board, showed little change during August, but was 13 per cent smaller than a year ago.

Carloadings of merchandise freight in less than carload lots were slightly smaller in August than in the preceding month, while the adjusted index was 9.5 per cent less than in the corresponding month last year.

The seasonally adjusted index of 5-and-10-cent store sales recorded more than the usual seasonal increase during August, and the value of sales was only 2.5 per cent smaller than a year ago.

Mail-order sales, based on the reports of two outlets, failed to show the usual seasonal increase during August and were 15 per cent less than in the corresponding period in 1930. Postal receipts in 50 selected cities showed a decline from July to August and were 10 per cent less than in the corresponding month last year.

Commercial failures during August decreased from the preceding month, but the number was somewhat higher than in the same month last year. August, with 1,944 failures, was the third consecutive month in which the number was below the 2,000 mark. The number of failures among manufacturers was less than in the corresponding month of last year, but there were increases for trading establishments and for agents and brokers. Total liabilities of all failures during August were 13 per cent less than in the preceding month but 10 per cent larger than in the same month last year; liabilities for August failures were larger in 1928 and 1924. The increase in liabilities over August of last year was accounted for by an increase of 45 per cent for the trading group and 18 per cent for agents and brokers. Manufacturers' liabilities in August showed a decrease of 30 per cent from the corresponding period in 1930.

Magazine advertising registered a seasonal decline in lineage during August and was 22 per cent less than in the same month last year. Newspaper advertising was unchanged from July to August, and was only 4.3 less than in August, 1930. Volume of radio advertising, represented by cost of use of facilities, declined in August and was less than in the corresponding month last year.

DOMESTIC TRADE STATISTICS

Year and month	Department store sales		Department store stocks		Freight car loadings, merchandise, l. c. l.		Five-and-ten cent-store sales		Mail-order sales, 2 houses	Postal receipts, 50 selected cities	Commercial failures		Advertising lineage		Money order value, paid
	Unad-just-ed ¹	Ad-just-ed ²	Unad-just-ed ¹	Ad-just-ed ²	Unad-just-ed	Ad-just-ed ¹	Unad-just-ed	Ad-just-ed ¹			Fail-ures	Liabil-ities	Magaz-ine	News-paper	
	Monthly average, 1923-1925-1930										Thousands of dollars		Num-ber	Thou-sands of dolls.	
1929: August.....	84	111	96	100	106	106	161	174	60,088	29,251	1,762	33,746	1,979	85	88,806
1930:															
August.....	77	102	87	91	95	95	146	163	50,682	25,876	1,913	49,181	1,681	70	77,670
September.....	103	99	95	91	90	95	147	156	54,419	28,764	1,963	46,947	2,145	89	79,174
October.....	112	102	101	92	97	93	163	151	68,878	32,279	2,124	56,297	2,490	98	90,647
November.....	113	98	104	92	94	92	159	158	55,713	28,379	2,031	55,261	2,488	89	79,934
December.....	165	94	85	91	86	92	298	153	72,486	38,572	2,525	83,683	2,265	82	91,923
1931:															
January.....	79	97	78	88	83	90	124	161	41,459	29,172	3,313	94,608	1,585	76	78,273
February.....	86	98	81	86	87	89	127	163	39,422	26,405	2,563	59,008	1,992	72	70,935
March.....	92	97	87	84	89	89	144	159	43,008	30,178	2,604	60,337	2,203	90	81,747
April.....	191	106	85	83	91	88	160	168	52,078	29,257	2,386	50,868	2,421	89	90,546
May.....	97	97	85	83	92	89	155	167	50,070	27,844	2,248	53,371	2,375	88	81,956
June.....	90	95	80	82	89	89	147	161	49,480	26,442	1,963	51,656	2,101	80	79,311
July.....	65	91	75	81	87	88	139	147	45,093	24,578	1,983	60,998	1,613	67	76,365
August.....	68	90	76	79	86	86	142	159	43,064	23,389	1,944	53,025	1,316	67	-----
Monthly average, January through August:															
1929.....	91	111	97	99	104	105	145	163	53,617	31,048	1,961	37,288	2,646	99	87,900
1930.....	91	107	93	95	98	98	142	161	51,398	29,842	2,214	53,232	2,482	88	84,154
1931.....	84	95	81	83	88	89	142	161	45,452	27,158	2,300	69,565	1,962	79	-----

¹ Corrected to average daily sales.

² Adjusted for seasonal variation.

³ End of month figures.

Foreign Trade

UNITED STATES foreign trade during August fell off considerably, whereas the usual trend at this season of the year is slightly upward. Merchandise exports showed a drop of 9 per cent in value as against a normal seasonal increase of 4 per cent, while imports declined 5 per cent. Average daily exports and imports amounted to \$5,320,000 and \$5,360,000, respectively.

The balance of trade during August was "unfavorable" to the amount of about \$2,000,000,000. Exports of agricultural products tend downward during the summer months, and although our exports during August of recent years have exceeded imports, the "favorable" balance, in general, has been comparatively small. In August of 1929 the excess of exports over imports amounted to only \$11,000,000. Since 1921 the value of merchandise imports has exceeded that of exports in the following months: June, 1922; March, April, May, and June, 1923; July, 1924; June, 1925; January, February, March, and April, 1926; and May, 1929. Net imports of gold during August, 1931, totaled \$57,500,000.

By comparison with the corresponding period of 1930, the 45 per cent reduction in the value of exports during August was larger than any decrease recorded during the preceding months of the year, while the recession of 24 per cent in the value of imports, al-

though greater than in July, was less than the average reduction for the period January through June. Smaller shipments of wheat and flour, raw cotton, iron and steel, copper, numerous classes of machinery, and automobiles, together with the sharp reduction in unit values (average prices) of practically all commodities, accounted primarily for the decline in exports. Our quantity shipments of oil cake and meal, fruits, canned salmon, vegetable oils, cotton-mill waste, power-driven metal-working machinery, sodium compounds and carbon black were larger than in August, 1930. As compared with July, 1931, exports of wheat and flour, raw cotton, and machinery decreased considerably in value, while barley, apples, canned and evaporated fruit, coal and coke, and petroleum products showed increases.

In import trade the low level of prices was the primary factor in the drop in value as compared with the corresponding period of 1930. Our quantity purchases of crude rubber, coffee, sugar, cotton cloth, burlaps, hides and skins, and meats were larger, and decreases shown for a number of commodities were comparatively moderate.

For the period January through August, 1931, the respective declines in exports and imports on a volume basis as compared with the corresponding period of 1930 amounted to approximately 23 per cent and 13 per cent.

EXPORTS AND IMPORTS

Year and month	Exports of United States merchandise												General imports				
	Crude materials		Foodstuffs				Finished manufactures						Total	Crude materials	Foodstuffs	Semi-manufactures	Finished manufactures
	Total	Raw cotton	Total	Wheat and flour	Meats and fats	Fruits and preparations	Semi-manufactures	Total	Machinery	Automobiles, parts, and accessories	Gasoline						
Millions of dollars																	
1929: August.....	380.6	50.9	23.9	65.5	23.4	15.8	9.3	57.1	201.0	50.8	35.8	24.5	369.4	125.8	74.9	88.9	
1930:																	
August.....	297.8	53.2	27.6	52.5	24.0	12.1	7.7	40.8	147.5	34.1	17.0	25.6	218.4	72.6	43.8	57.8	
September.....	312.2	93.7	62.8	45.0	18.4	9.9	9.2	37.2	130.8	33.6	16.4	16.5	226.4	75.4	48.2	61.8	
October.....	326.9	104.8	64.9	47.3	11.4	9.8	17.1	38.0	132.7	30.8	14.5	21.9	247.4	77.5	56.1	69.2	
November.....	289.0	90.9	59.3	45.6	7.8	11.0	17.5	33.1	115.8	33.2	14.1	12.4	203.6	59.2	48.4	57.8	
December.....	274.9	76.7	47.2	40.5	6.3	9.8	15.1	33.9	119.7	36.1	15.3	13.7	208.6	69.1	52.3	49.2	
1931:																	
January.....	249.6	58.6	31.2	35.5	4.9	12.2	10.7	34.5	117.1	37.7	14.4	13.8	183.1	59.4	42.1	44.8	
February.....	224.4	47.7	25.4	29.5	3.2	10.6	8.9	27.5	116.1	44.0	16.1	10.6	174.9	56.4	46.1	41.2	
March.....	235.9	56.5	36.0	33.0	3.9	10.1	10.7	31.4	110.3	29.4	18.5	8.4	210.2	64.0	56.6	49.2	
April.....	215.1	40.0	22.9	28.2	5.7	8.5	6.4	30.6	111.1	31.1	18.0	10.7	185.7	54.7	51.9	45.7	
May.....	204.1	36.5	18.9	29.4	7.4	7.8	6.5	29.9	103.5	26.6	14.2	12.5	179.7	54.7	49.6	45.5	
June.....	187.2	29.1	13.5	28.7	8.8	7.1	5.7	24.5	97.7	28.3	12.8	7.2	173.7	52.4	47.2	44.2	
July.....	180.7	28.3	13.5	32.3	11.6	6.8	7.6	28.0	88.3	22.7	11.5	9.0	174.5	50.0	47.1	47.5	
August.....	164.8	25.5	9.9	28.1	7.0	6.4	8.0	23.9	84.1	20.4	10.7	8.8	166.7	47.7	45.4	45.3	
Cumulative, January through August:																	
1929.....	3,406.5	585.1	368.1	486.1	113.6	137.8	79.3	500.5	1,775.2	410.8	422.0	178.6	3,008.7	1,072.9	672.0	667.6	
1930.....	2,640.2	462.3	262.5	361.9	113.8	113.0	50.8	370.8	1,400.1	384.4	217.1	186.2	2,175.0	721.0	488.8	520.0	
1931.....	1,661.6	323.3	171.4	244.6	52.6	69.4	64.7	233.7	827.5	240.1	116.1	60.7	1,449.3	439.2	335.6	365.5	

1 Reexports of foreign merchandise during August, 1931, were \$3,315,000.

Transportation

MOVEMENT of freight during August, as reflected by the number of freight-car loadings, declined slightly more than the usual seasonal amount and the adjusted index of the Federal Reserve Board was 5.3 per cent lower than in July. Average daily loadings during August were 21 per cent under August, 1930, and 34 per cent under August, 1929. During the first eight months of the year the average monthly loadings were 18 per cent under the same period in 1930 and 28 per cent under 1929.

Average weekly merchandise loadings in less than carload lots during August decreased slightly, whereas, a slight increase is normal for this period. These loadings were almost 10 per cent under August, 1930, and almost 19 per cent under August, 1929. The average monthly loadings of merchandise for the first eight months of the current year were 10 per cent under the same period in 1930 and 15 per cent under 1929. The livestock, coal and coke, forest products, and ore commodity groups recorded slight increases in average weekly loadings as compared with July loadings.

A decrease in the movement of freight has naturally been reflected in an increased number of idle freight cars. The daily average number of surplus cars for

the last eight days of August was 33 per cent greater than reported for the same period in August last year and 262 per cent over 1929. The peak in the number of surplus freight cars in the present depression was recorded in December, 1930.

Dividend payments of railroads during August totaled \$33,500,000, compared with \$37,700,000 in August, 1930, and \$37,600,000 in August, 1929. Payments of dividends by railroads during the first eight months of the year averaged \$40,700,000 compared with \$44,500,000 during the same period in 1930, and \$39,150,000 in 1929.

The seasonal increase in inland waterway traffic which has been under way since the opening of spring was extended through August, but the August tonnage passing through the Sault Ste. Marie Canal was only 75 per cent of that reported for August last year and only 60 per cent of the 1929 tonnage. During the first eight months of the current year the average monthly tonnage passing through this canal was 42 per cent under the same period last year and 54 per cent under 1929. Traffic through the Panama Canal increased during August with respect to July but was materially under August, 1930, and August, 1929.

RAIL AND WATER TRAFFIC

Year and month	Freight-car loadings										Freight-car surplus	Dividend payments, steam railways	Canal and river traffic				Panama Canal traffic, both directions	Ocean traffic clearances, American ports
	F. R. B. index		Total	Merchandise, i. e. l.	Grain and products	Livestock	Coal and coke	Forest products	Ore	Miscellaneous			Canals			River		
	Ad-justed (1)	Unad-justed (1)											Sault Ste. Marie	New York State	Cape Cod	Missis-sippi (Govt. owned barges)		
Monthly average, 1923-1925=100	Thousands of cars ¹										Thous. of dollars	Thousands of short tons				Thous. of long tons	Thous. of net tons	
1929: August.....	107	115	5,601	1,308	316	121	902	344	379	2,231	158	37,600	14,085	380	206	85	1,311	3,219
1930:																		
August.....	89	96	4,672	1,178	304	106	770	207	285	1,822	432	37,700	11,267	457	247	70	1,022	3,359
September.....	87	99	3,725	944	189	108	638	162	195	1,490	394	29,900	10,347	458	245	114	1,040	3,060
October.....	86	97	3,818	966	163	129	733	159	154	1,514	403	44,000	9,094	608	230	103	1,133	2,651
November.....	84	86	4,127	1,133	190	140	852	174	92	1,546	580	38,500	5,130	390	225	83	1,009	2,501
December.....	84	74	2,784	820	143	94	638	121	22	946	707	39,000	312	0	225	108	953	1,991
1931:																		
January.....	82	74	3,491	997	196	124	817	156	26	1,175	647	55,600	0	0	234	76	958	1,843
February.....	80	74	2,836	842	165	88	584	138	22	997	651	44,900	0	0	166	70	864	1,695
March.....	80	75	2,940	886	153	79	555	138	23	1,105	622	45,500	0	0	163	83	910	1,773
April.....	80	77	2,966	899	151	85	486	130	20	1,206	603	38,100	922	349	203	82	929	2,092
May.....	79	79	3,736	1,097	180	106	611	165	80	1,496	616	32,500	4,335	457	217	100	937	2,525
June.....	77	77	2,991	876	140	75	465	125	119	1,192	599	34,000	6,645	385	203	86	828	2,241
July.....	76	78	2,931	830	220	71	452	106	139	1,113	564	41,500	7,611	506	211	104	820	2,742
August.....	72	76	3,747	1,069	228	106	617	138	175	1,413	574	33,500	8,385	425	186	104	859	2,734
Monthly average, January through August:																		
1929.....	107	105	4,422	1,111	207	111	785	286	198	1,725	224	39,150	7,577	208	167	111	1,227	2,622
1930.....	95	93	3,929	1,042	198	102	694	219	150	1,523	440	44,500	6,002	269	197	93	1,134	2,718
1931.....	78	76	3,207	937	179	92	573	137	77	1,212	609	40,700	3,487	265	198	88	888	2,266

¹ Daily average basis.

² Data for January, May, August, and November are for 5 weeks; other months, 4 weeks.

Construction

THE total volume of contracts awarded continued to decline in August, although building construction in several sections of the country registered a slight increase. Both residential building and that of public works and utilities followed the downward trend. The seasonal slackening in demand for building materials was reflected in the smaller shipments of maple flooring and common brick and the decline in the production of cement. Although construction costs as a whole declined from July, building-material prices of frame-house construction showed a slight upturn.

The number of square feet of all types of building contracts awarded was 9.5 per cent less than in July, while the value fell off 18.5 per cent. As compared with August, 1930, the declines were 23 and 33 per cent, respectively. Over the 8-month period of 1931 the floor space and value were 27 and 31 per cent less than in the corresponding period of 1930.

The value of residential contracts awarded declined 5.8 per cent, the smallest drop in four consecutive months and the volume was 11 per cent less than in July. As compared with August, 1930, the decline in volume and value was 16 and 27 per cent, respectively.

For the first eight months of 1931, the number of square feet of residential contracts awarded was 7.8 per cent less than in the same period of 1930. The contracts awarded for public works and utilities, which fluctuate widely, showed drops of 40 per cent in volume and 37 per cent in value as compared with July.

Shipments of maple flooring declined only 1.5 per cent from July, but fell 23 per cent below August, 1930. Portland cement production was only 2.5 per cent less than in July, but during the first eight months of this year there has been a decline of 21 per cent as compared with the same period of both 1930 and 1929.

The index of construction costs (composed of the prices of structural steel shapes, cement, lumber, and the rates paid common labor) remained fairly steady until the spring of 1931 but has declined rather sharply since then; there was a decline of 6.9 per cent from June to July and only 1.7 per cent from July to August. Building-material prices for frame houses showed a slight advance over July, while those of brick houses declined slightly.

BUILDING MATERIALS, CONSTRUCTION, AND REAL ESTATE

Year and month	Building contracts awarded							Building materials				Building material prices		Construction cost, Eng. News Rec.	Real-estate market activity—deeds recorded	Long-term real-estate bonds	
	F. R. B. index (value unadjusted)	All types of construction		Residential building		Public works and utilities		Maple flooring	Cement	Fabricated structural steel	Common brick	Frame house	Brick house			Total	To finance new construction
								Shipments	Production	New orders	Shipments						
								Thousands of feet, board measure	Thousands of barrels	Thousands of short tons	Millions of brick						
Monthly average 1923-1925=100	Millions of square feet	Millions of dollars	Millions of square feet	Millions of dollars	Thousands of square feet	Millions of dollars	First of month, monthly average 1913=100	Monthly average 1926=100	Thousands of dollars								
1929: August.....	129	66.7	489	29.5	146.1	1,237	142.8	7,029	18,585	341	131.0	177	182	205.9	86.7	28,403	16,108
1930:																	
August.....	85	39.8	347	16.8	82.7	1,297	126.7	4,416	17,821	252	105.5	169	175	201.0	69.6	1,938	300
September.....	82	41.2	332	19.7	98.5	1,484	109.1	3,331	16,124	156	115.3	163	174	199.6	66.8	13,890	1,475
October.....	75	39.5	337	22.3	104.7	339	113.0	2,886	14,410	209	103.4	171	176	198.7	74.0	6,635	1,210
November.....	68	33.1	254	18.8	80.8	468	76.4	2,554	11,098	151	103.5	165	172	198.5	64.6	9,935	1,595
December.....	59	29.1	249	14.7	70.9	697	78.6	1,811	8,480	153	33.5	168	174	196.9	68.9	29,877	530
1931:																	
January.....	58	24.6	228	12.2	54.4	393	95.2	2,351	6,595	162	19.7	163	170	194.5	66.0	4,520	2,850
February.....	68	28.3	235	16.6	77.9	246	78.6	2,676	5,920	158	19.8	165	171	196.6	66.7	3,590	1,500
March.....	77	38.0	370	22.1	100.9	522	151.7	3,017	8,245	184	29.3	163	170	194.5	61.7	2,015	1,000
April.....	82	39.4	337	22.6	95.9	785	133.0	3,226	11,245	203	31.3	157	167	191.6	62.0	7,235	1,700
May.....	79	38.9	306	21.9	88.9	387	108.9	3,315	14,010	153	30.1	160	167	189.3	61.3	9,485	0
June.....	75	35.0	332	16.9	72.7	2,367	154.5	3,778	14,118	177	30.8	158	166	187.4	58.4	3,425	1,000
July.....	68	33.8	286	15.9	63.9	1,233	116.3	3,447	13,899	159	31.3	155	164	174.4	61.1	775	600
August.....	64	30.6	233	14.1	60.2	737	73.0	3,397	13,549	124	-----	156	163	171.4	59.8	2,100	565
Monthly average, January through August:																	
1929.....	127	71.3	519	36.8	179.1	910	135.5	6,263	13,872	309	131.6	176	182	206.6	85.7	36,668	14,069
1930.....	162	45.9	410	19.3	93.3	1,415	159.3	4,077	13,849	253	92.5	175	179	205.1	71.6	13,838	6,418
1931.....	71	33.6	291	17.8	76.9	834	113.9	3,151	10,948	176	-----	160	167	187.5	62.1	4,143	1,152

Agriculture

ANIMAL products marketed during August, as indicated by the combined index of physical volume shown in the table, declined seasonally from the preceding month; the total was slightly above that of a year ago, but somewhat below the five-year average.

Seasonal declines were registered for receipts of wool, poultry and eggs, and dairy products. Live-stock marketings increased from July to August, which was the same tendency exhibited in most of the recent years. Fresh fish landed, in three New England markets and one Pacific coast market, have shown declines in August during the past two years, while the volume during the month was only about three-fourths as large as a year ago.

Crop marketings declined during August, according to the combined index, instead of showing the usual seasonal increase; grains declined nearly 17 per cent from the preceding month and were 52 per cent less than in August, 1930. Cotton receipts increased by less than the usual seasonal amount and were 62 per cent less than a year ago. Vegetable marketings declined seasonally during August and were 22 per cent less than in the corresponding month last year. Receipts of fruits showed a seasonal increase over the preceding month and were larger than a year ago.

Wheat production in the United States, estimated

by the Department of Agriculture, as of September 1, indicated a total of 886,000,000 bushels compared with 863,000,000 bushels in 1930. Winter wheat alone accounted for the increase over last year, as the indicated total yields of durum and other spring wheat were less than half as large as last year. Reports from 34 wheat countries indicate a decrease of 123,000,000 bushels below the world's production last year. Corn production forecast as of September 1 indicated a total nearly 30 per cent greater than the short crop of 1930 and only slightly less than the average of the five years 1925-1929. The cotton crop report as of September 1 indicated a total yield of 15,685,000 bales, or 1,341,000 bales more than in 1930, and an increase of 101,000 bales compared with the August 1 estimate. The combined production of the principal food crops is expected to be somewhat above the average, while crops raised for feed are a little below average. Hay and feed crops are rather plentiful in the East and South, although there is a shortage in hay, oats, and barley from Michigan and Kansas west. Flaxseed is expected to be the smallest crop since 1922.

Visible stocks of wheat and of cotton on hand at the end of August were larger than for the same period of either of the two preceding years.

INDEXES OF AGRICULTURAL MARKETING AND STOCKS

Year and month	Indexes of marketing										Indexes of stocks, end of month			
	Animal products						Crops							
	Com- bined index	Wool	Live- stock	Poultry and eggs	Dairy products	Fish	Com- bined index	Grains	Vege- tables	Fruits	Cotton	Wheat, visible supply, United States	Meats, cold- storage	Cotton, United States
	Monthly average, 1923-1925=100													
1929: August-----	100.0	268.3	77.3	89.0	115.9	247.2	132.9	213.9	88.1	130.0	72.0	325.1	107.2	58.1
1930:														
August-----	91.4	360.5	76.5	71.6	94.6	202.0	122.5	180.5	81.9	133.1	77.7	331.7	82.2	118.9
September-----	91.2	30.9	93.9	78.2	86.3	229.1	175.5	139.0	138.8	164.3	219.3	364.1	68.1	165.3
October-----	96.7	79.1	108.0	79.2	82.2	172.0	212.1	82.6	168.4	249.0	327.5	349.8	55.7	236.6
November-----	88.5	34.5	88.0	121.6	77.8	146.2	148.8	72.3	89.6	109.0	240.6	344.8	62.3	265.0
December-----	97.8	57.1	93.9	137.8	92.7	98.9	105.8	79.8	79.4	67.1	144.9	333.3	76.9	267.0
1931:														
January-----	94.7	25.3	96.2	95.0	96.4	103.4	74.3	81.0	98.0	70.2	64.0	335.8	100.1	254.1
February-----	85.5	50.8	79.8	94.0	91.3	116.2	66.8	84.6	91.1	68.1	45.1	343.7	114.0	235.7
March-----	94.0	61.9	79.6	121.8	102.9	169.4	64.4	80.0	104.3	75.1	38.6	352.7	111.8	216.0
April-----	101.2	78.2	82.6	137.0	113.1	174.3	53.1	63.9	93.3	70.6	29.8	339.8	114.8	196.9
May-----	106.7	197.1	80.2	125.6	130.9	138.5	62.0	69.0	135.6	102.2	28.3	336.4	110.8	179.6
June-----	118.0	405.4	77.9	115.6	156.6	144.5	55.2	68.6	165.8	88.8	9.1	324.7	105.8	162.3
July-----	105.2	573.2	72.6	88.6	123.3	161.2	103.1	183.2	103.4	139.3	22.6	370.4	98.7	146.8
August-----	95.7	259.6	82.3	78.4	106.6	150.6	86.0	135.8	64.1	154.1	29.2	413.5	83.3	140.1
Monthly average, Jan- uary through Aug- ust:														
1929-----	100.1	155.0	83.1	103.9	115.4	172.0	81.4	106.7	114.8	91.1	48.7	218.2	124.7	103.9
1930-----	100.8	206.8	82.0	106.0	111.8	190.8	70.9	94.2	107.8	75.5	40.5	256.5	100.6	143.1
1931-----	100.1	206.4	81.4	107.0	115.1	144.8	70.6	95.8	107.0	96.1	33.3	352.1	104.9	191.4

Iron and Steel Industry

FURTHER recession in activity in the iron and steel industry in August extended the current decline from the peak of the spring rise over the fifth month. Measured by the Federal Reserve Board's index, operations declined 14 per cent from July to the lowest level since December, 1921. For the first eight months of the current year, the index averaged 37 per cent below the same period last year, while the August index was 45 per cent below August, 1930.

Employment and pay rolls in the industry underwent some additional contraction in August. The employment index was 2.5 per cent below July and 16 per cent below August, 1930, while the drops in pay rolls were 3.4 per cent and 35 per cent, respectively.

August pig-iron production was 12 per cent below July, and the average daily output was the lowest since October, 1921. Production was only about half as great as in August, 1930, and for the first eight months of the year has averaged 41 per cent less than in the corresponding months of 1930.

Steel ingot production in August was 8.9 per cent below July, and while the decline was not as severe as in the two months immediately preceding, it was contrary to the trend in every year since 1922. For

the first eight months of the year, steel production was 36 per cent below the preceding year and was only half of the average of the last five years. Operations were at the rate of 31 per cent of capacity in August, compared with 34 in July and 59 a year ago. September output in recent years has usually been below August and, with operations in the first three weeks averaging slightly below last month, it appears unlikely that the month's production will exceed that of August. Unfilled orders of the United States Steel Corporation declined 235,359 tons from the July total, and were the smallest for any month since September, 1927. The decrease was less than in the same month of either 1929 or 1930, but prior to 1929 changes in the unfilled tonnage in August were small and irregular. As the corporation operated at only 34 per cent of capacity during the month and ran its backlog off 7 per cent, it is evident that buying continued at a very low level.

Price changes were minor in August and early September, with the composite iron and steel price holding the slight gain of July. Prices of structural steel beams eased off, and the finished steel price lost the small gain of the preceding month.

IRON AND STEEL STATISTICS

Year and month	General operations				Iron and steel		Steel ingots		Fabricated structural steel		United States Steel Corporation, unfilled orders end of month	Manganese (ore content), imports	Prices				
	F. R. B. index (ad-justed)	Rate of operations, electric energy consumption	Em-ploy-ment ad-justed	Pay rolls unad-justed	Ex-ports	Im-ports	Pig-iron pro-duction	Pro-duction	Per cent of ca-pacity	New or-ders			Ship-ments	Steel billets, Besse-mer (Pitts-burgh)	Iron and steel compos-ite	Struc-tural steel beams	Com-posite finished steel
Monthly average, 1923-1925=100					Thousands of long tons			Per cent	Thousands of short tons	Thousands of long tons		Dolls. per long ton		Dolls. per 100 pounds			
1929: August.....	143	150.9	101.4	109.3	243	61	3,756	4,939	93	341	315	3,658	32	35.00	36.57	1.95	2.55
1930:																	
August.....	92	112.0	83.9	77.5	151	27	2,524	3,061	59	252	262	3,586	8	31.00	33.01	1.65	2.26
September.....	85	110.3	81.7	75.4	131	30	2,277	2,840	55	156	243	3,424	22	31.00	32.67	1.60	2.24
October.....	74	126.0	81.3	75.8	132	30	2,165	2,693	50	209	239	3,482	18	31.00	32.31	1.60	2.22
November.....	65	106.5	80.2	68.9	112	35	1,867	2,212	44	151	195	3,640	10	31.00	31.95	1.60	2.20
December.....	59	110.2	79.1	66.7	102	24	1,666	1,980	38	153	168	3,944	29	30.60	31.76	1.60	2.19
1931:																	
January.....	64	103.4	77.5	62.4	93	32	1,714	2,459	43	162	172	4,132	17	30.00	31.70	1.63	2.22
February.....	73	116.5	75.9	67.5	91	21	1,767	2,502	49	158	166	3,965	10	30.00	31.65	1.65	2.22
March.....	78	119.4	76.6	70.0	110	31	2,032	2,994	54	184	151	3,995	2	30.00	31.66	1.65	2.23
April.....	75	108.1	76.5	69.1	101	39	2,020	2,722	49	293	158	3,898	33	30.00	31.61	1.65	2.22
May.....	72	106.8	74.8	64.9	91	28	1,994	2,505	45	153	148	3,620	21	29.50	31.39	1.65	2.19
June.....	64	86.6	72.6	57.6	76	29	1,639	2,076	38	177	162	3,479	37	29.00	31.02	1.65	2.19
July.....	59	83.1	72.1	52.4	84	27	1,463	1,886	34	159	182	3,405	38	29.00	31.05	1.65	2.20
August.....	51	78.0	70.3	50.6	73	21	1,281	1,719	31	124	169	3,169	67	29.00	31.05	1.60	2.19
Monthly aver- age, January through August:																	
1929.....	139	156.5	99.5	107.7	263	49	3,648	4,853	95	309	273	4,175	31	34.54	36.63	1.93	2.56
1930.....	106	129.2	90.3	90.7	189	38	2,928	3,695	72	253	268	4,188	25	32.31	34.25	1.76	2.37
1931.....	67	100.2	74.5	61.8	90	29	1,731	2,358	43	176	164	3,708	28	29.56	31.39	1.64	2.21

Chemical Industries

DURING August the Federal Reserve Board's adjusted index of employment in the chemical industries recorded a continuation of the decline of June and July. This was accompanied by a corresponding decrease in pay rolls. In both instances the reduction amounted to about 3 per cent. For the first eight months of the current year the average monthly employment was 14.5 per cent below the same period of 1930 and pay rolls decreased 18 per cent. In August employment and pay rolls were both 17 per cent below the same month of 1930.

Further curtailment in production was shown by the available figures for August. The production of naval stores, which had held steady for more than a year experienced a sharper decline than during July. Turpentine production was 40 per cent below the previous month and 57 per cent below August of last year. Rosin output for August also declined 40 per cent from the July level and was 54 per cent under the same month a year ago. The average monthly production for the first eight months of 1931 showed a reduction of 27 per cent for rosin and 29 per cent in the case of turpentine as compared with 1930. Continuing the decline of the last four months, production of by-product coke was 5 per cent less than in July and 32 per cent less than in the same month a year

ago. Average monthly production for the first eight months was 28 per cent lower than in 1930.

Stocks of manufactured chemicals showed a further slight decline to a point close to the August, 1930, figure, which is the lowest point reached in several years. Stocks of raw materials moved up 1.5 per cent, the first increase since October, 1930. The average monthly stock of manufactured chemicals for the first eight months of 1931 was less than for a similar period in 1930 and 1929 by 8 per cent and 9 per cent, respectively.

Fertilizer consumption showed an increase over July, after a continued decline for the last four months, but fell slightly under August a year ago. Seasonal increases in the importation of fertilizers and fertilizer materials took place in August. The advance over July amounted to 31 per cent, but the total for August was 20 per cent below the same month a year ago. The volume of imports of nitrate of soda was approximately double that of the preceding month and nearly four times as great as in August, 1930. This is the first increase in five months and is in contrast to the decided decrease in August of last year. During the first eight months imports of nitrate of soda have been only about 7 per cent less than in the same period of 1930.

CHEMICALS STATISTICS

Year and month	General operations					Ethyl alcohol	Explosives	Rosin, wood	Turpentine, wood	Superphosphates	By-product coke	Arsenic, refined	Fertilizer	Potash salts	Nitrate of soda							
	Employment F. R. B. Indexes			Stocks																		
	Ad-justed	Unad-justed	Pay-rolls, unad-justed	Manu-fac-tured goods	Raw materials											Production					Consumption	Imports
Monthly average, 1923-1925=100					Thous. of gals.	Thous. of lbs.	Barrels		Thous. of short tons		Short tons	Thous. of short tons	Long tons									
1929: August.....	114.4	111.2	113.0	106.7	96.6	20,026	40,584	38,315	6,721	310	4,004	857	47	46,004	51,684							
1930:																						
August.....	104.4	101.5	100.7	117.3	98.1	12,890	31,168	37,349	6,125	296	3,611	1,002	45	48,487	9,083							
September.....	102.3	102.7	101.3	121.3	120.0	14,299	35,688	38,293	6,573	283	3,376	1,101	128	48,482	19,362							
October.....	101.1	101.4	99.9	125.2	132.7	18,455	34,113	34,818	5,817	336	3,408	1,265	95	37,425	27,207							
November.....	98.3	98.6	96.1	124.2	128.5	20,861	30,248	38,931	6,584	303	3,114	1,508	61	13,499	35,474							
December.....	97.9	97.8	94.7	123.9	124.2	17,770	24,024	34,332	6,200	336	3,055	1,439	74	17,537	35,512							
1931:																						
January.....	96.6	96.2	90.4	128.8	107.7	11,869	24,056	24,488	4,757	326	3,092	1,570	343	22,750	45,890							
February.....	94.5	95.6	92.9	130.7	103.2	8,859	28,751	32,332	5,634	249	2,898	1,409	640	19,043	68,421							
March.....	89.8	93.3	89.8	132.0	96.5	11,929	25,414	33,544	5,740	226	3,256	1,506	1,352	23,955	120,164							
April.....	91.7	96.7	92.0	129.0	91.5	11,162	27,647	35,585	6,344	195	3,146	964	1,132	15,982	67,008							
May.....	93.0	91.4	88.4	129.3	88.4	13,120	26,960	33,593	5,996	162	3,126	1,044	195	13,849	34,006							
June.....	89.6	86.7	84.1	123.3	87.9		25,981	34,747	5,675	146	2,715	1,024	74	11,968	29,711							
July.....	89.4	86.2	82.9	119.2	86.7	11,975	25,068	28,495	4,370	143	2,569	997	25	35,160	18,809							
August.....	86.6	84.4	80.4	119.0	88.0	12,363		17,074	2,607		2,443	1,238	40	34,636	35,367							
Monthly average, January through August:																						
1929.....	111.5	111.4	112.2	121.6	103.1	15,417	35,939	36,802	6,570	294	3,956	870	633	27,669	91,935							
1930.....	106.9	106.7	106.9	130.7	101.9	11,973	28,068	40,964	7,272	347	4,030	947	638	35,302	56,292							
1931.....	91.4	91.3	87.6	126.4	93.7			29,982	5,140		2,906	1,219	475	22,168	52,422							

Automobiles and Rubber

PRODUCTION in the automotive industry continued to decline by more than seasonal proportions during August, due entirely to a reduction of 15 per cent in passenger-car output. Truck production was practically unchanged. Units produced in the United States reached a total of 189,000, representing a reduction of 13 per cent from July and of 16 per cent from August, 1930. For the first eight months of the current year the average monthly output was 26 per cent under the same period in 1930.

Employment in the industry underwent a further slight reduction for the month of August and was accompanied by a proportionate decline in pay rolls. While these figures do not represent a large monthly decrease, they are 14 per cent and 13 per cent, respectively, under the same month in 1930.

August exports of passenger cars failed to retain the gain recorded for July and fell slightly under the June figure. Truck exports continued to decline and reached a low point for the year. The monthly average of total exports for the first eight months was about half that of a like period in 1930 and one-fourth the figure attained in 1929.

Pneumatic-tire output in July was 13 per cent under

that of the preceding month, but was 23 per cent greater than in July, 1930. With the exception of June, domestic shipments were larger than for any month of the current year. Complete data for August are not yet available, but production receded from the July level. Shipments also declined, but were larger than the output. For the first seven months of the year the average monthly production declined 2.5 per cent with shipments receding 4 per cent compared with a like period in 1930.

Employment in the rubber industry declined for the second consecutive month. The August adjusted index was 70.5, compared with 73.8 in July and 80.0 in August, 1930. Pay rolls were reduced approximately 3 per cent, bringing the index to 20 per cent below August of last year.

World stocks of crude rubber in August showed a further increase over the record levels of July and were 29 per cent greater than in the corresponding month of 1930. August imports of crude rubber declined 11.5 per cent as compared with July, but exceeded August, 1930, by 6.5 per cent. The average monthly import for the first eight months of the present year is 5 per cent less than for the same period in 1930.

AUTOMOBILE AND RUBBER STATISTICS

Year and month	Automobile production						Automobile exports		Auto- mobile access- ories, ship- ments	Automobile financing		Pneumatic tires		Crude rubber		
	F. R. B. index, ad- justed	United States				Canada	Passen- ger cars	Trucks		By whole- sale deal- ers	By con- sum- ers	Pro- duc- tion	Do- mestic ship- ments	Im- ports	World stocks, end of month	
		Total	Pas- sen- ger cars	Taxi- cabs	Trucks											Total pro- duc- tion
Month- ly av- erages, 1923- 1925= 100	Thousands	Number						Janu- ary, 1925= 100	Millions of dollars	Thousands	Long tons					
1929: August-----	131	499	441	1,040	56,808	14,214	22,123	20,706	88	70	163	4,354	5,667	37,851	261,721	
1930:																
August-----	62	224	184	386	40,450	9,792	7,956	5,318	60	45	103	3,332	3,976	36,657	399,695	
September-----	62	221	175	930	44,223	7,957	8,125	5,312	76	45	90	2,692	3,360	35,783	425,619	
October-----	49	154	113	582	40,593	4,541	7,136	4,079	79	36	81	2,866	2,613	45,375	425,423	
November-----	74	137	101	609	35,613	5,407	6,039	6,039	63	30	60	2,123	2,119	29,733	427,427	
December-----	85	156	121	1,425	33,443	5,622	9,096	5,102	55	36	66	2,251	2,550	37,370	439,728	
1931:																
January-----	63	172	138	512	33,531	6,496	8,304	4,534	46	40	62	2,940	2,855	36,598	460,479	
February-----	68	220	180	529	39,521	9,871	9,187	4,187	53	50	66	3,188	2,580	34,374	471,285	
March-----	67	276	231	410	45,161	12,993	11,526	6,002	65	63	92	3,730	3,143	40,788	487,716	
April-----	77	337	286	665	50,022	17,159	11,228	5,499	66	71	113	3,955	3,804	44,908	487,696	
May-----	77	317	271	340	45,688	12,738	8,468	4,498	61	73	109	4,543	4,197	35,844	497,707	
June-----	65	251	209	360	41,342	6,835	5,843	4,340	61	58	105	4,538	4,320	46,939	496,238	
July-----	60	219	183	180	35,854	4,220	6,478	3,518	57	49	96	3,941	4,224	44,052	509,139	
August-----	53	189	154	104	34,853	4,544	5,699	2,356	66	44	79			39,033	513,721	
Monthly average, January through August:																
1929-----	142	528	454	1,591	72,895	27,505	33,852	18,683	85	61	148	5,322	5,048	50,426	254,297	
1930-----	91	336	283	674	52,171	16,333	15,337	8,051	70	64	113	3,855	3,773	379,228	421,158	
1931-----	66	248	207	388	40,747	9,357	8,342	4,367	59	56	90			40,317	490,498	

Textile Industry

TEXTILE production showed less than the usual seasonal increase during August, as indicated by the adjusted index of the Federal Reserve Board, but the increase over the corresponding month last year amounted to 23 per cent.

Raw cotton consumption during August was less than in the preceding month, but 21 per cent greater than in the corresponding month last year. Stocks on hand in mills and in warehouses at the end of August were slightly less than in the preceding month, while the total was 18 per cent larger than a year ago.

Production of cotton textiles increased from July to August, but the total was slightly less than in August, 1930. The average weekly production of cotton piece goods, accounting for about half of total cloth output, was 52,000,000 yards in August, compared with 48,000,000 yards in the preceding month; the sales of these goods were about 20 per cent under current production during August against 18 per cent in July. Shipments of cotton textiles during August were above the volume for the preceding month but somewhat less than in the same month last year; stocks on hand at the end of the month were somewhat less than for July, and

were about 43 per cent less than a year ago. Unfilled orders declined 22 per cent during August and reached a point which was slightly less than a year previous.

Wool receipts at Boston declined seasonally during August and the total was 29 per cent less than in the corresponding month last year. The price at Boston of the territory type of fine, staple, scoured wool has shown little change during the four months ending in August but the average for the month was 17 per cent less than a year ago.

Spinning of woolen and worsted goods in August continued the upward trend, which had been in evidence during recent months; the rate of activity for woolens during August was 38 per cent above that of the same month last year, while the ratio of active spindle hours in worsteds was 42 per cent greater. The indexes of employment and pay rolls in woolens and worsteds combined, during August, showed that it was one of the few manufacturing industries operating more actively than a year ago.

Raw silk deliveries increased seasonally and were 11 per cent larger than a year ago.

TEXTILE STATISTICS

Year and month	F. R. B. index, adjusted	Cotton, raw		Cotton manufactures ¹						Wool		Wool manu- factures		Silk	Rayon, wholesale price, A grade, bleached
		Mill consumption	Stocks, mills and warehouses, end of month	Spindle activity, total	Cotton textiles (23 groups of textile constructions)				Wholesale price, Fairchild com- posite	Receipts, at Bos- ton, total	Price, territory fine, staple, scoured (Bos- ton)	Spinning spindles		Deliveries to mills	
					Produce- tion	Ship- ments	Stocks, end of month	Unfilled orders, end of month				Woolen	Worsted		
Month- ly average, 1923- 1925= 100	Bales	Thou- sands of bales	Mil- lions of spindle hours	Thousands of yards				Month- ly average, 1911- 1913= 100	Thou- sands of pounds	Dol- lars per pound	Per cent of ac- tive hours to total reported		Bales	Dol- lars per pound	
1929: August.....	120	558,754	2,183	8,129	307,538	326,398	364,060	355,095	160	40,476	.93	77	69	59,704	1.15
1930:															
August.....	81	352,626	4,471	5,134	218,815	231,348	442,996	226,422	126	51,672	.76	48	55	41,734	.95
September.....	88	394,321	6,215	5,663	182,385	232,975	392,406	285,427	124	7,074	.76	55	60	55,649	.95
October.....	91	444,494	8,895	6,239	228,866	270,383	350,889	350,845	124	12,739	.75	53	62	61,937	.95
November.....	93	414,887	9,965	5,832	206,633	200,661	356,861	333,251	124	6,240	.72	52	52	57,333	.95
December.....	87	406,207	10,037	5,916	234,052	226,951	363,962	288,956	122	11,574	.72	45	52	55,424	.95
1931:															
January.....	86	454,188	9,553	6,360	202,149	210,597	355,514	317,465	120	10,795	.68	48	52	55,910	.75
February.....	93	433,510	8,862	6,110	212,168	248,354	319,328	395,802	119	13,269	.66	66	54	54,242	.75
March.....	97	490,586	8,120	7,001	271,638	317,185	273,781	373,951	121	13,279	.66	57	57	55,383	.75
April.....	98	508,744	7,404	7,129	225,955	217,582	282,154	294,118	119	17,775	.65	55	57	41,356	.75
May.....	98	465,770	6,752	6,739	225,392	205,603	301,943	248,544	115	30,341	.63	60	66	45,073	.75
June.....	97	455,388	6,101	6,630	260,163	273,871	288,235	330,575	112	56,743	.62	61	73	42,161	.75
July.....	102	450,518	5,519	6,532	192,545	211,331	269,449	277,597	111	79,381	.62	64	83	44,746	.75
August.....	100	425,819	5,266	6,193	209,050	227,644	250,855	217,508	100	36,850	.63	66	78	46,454	.75
Monthly average, January through August:															
1929.....	118	608,808	3,904	8,554	298,353	301,814	371,891	414,144	162	30,615	1.02	81	67	51,783	1.28
1930.....	92	465,035	5,381	6,632	245,973	248,226	449,863	304,620	138	34,381	.77	58	53	43,985	1.10
1931.....	96	460,565	7,197	6,587	224,883	239,021	292,657	306,945	115	32,304	.64	60	65	48,166	.75

¹ Months do not contain same number of weeks.

Food Industries

FOOD products processed during August were in about the same volume as during the preceding month, according to the seasonally adjusted index of the Federal Reserve Board, while the rate of production was 5 per cent less than in the same month last year and 12 per cent less than the monthly average of 1923-1925, which is taken as the base of the index, or 100. The seasonally adjusted index of employment showed no change during August, and was below the level of a year ago.

Wholesale prices of food products recorded the second consecutive monthly increase during August but the index was still about 15 per cent less than a year ago.

Wheat receipts in the principal markets during August were about 37 per cent less than in the preceding month, which was the largest decrease between these two months in any recent year. August has shown increased receipts over July in some years, amounting to as much as 39 per cent in 1927. The volume in August of this year was 21 per cent less than in the same month a year ago. Visible supplies of wheat in the United States increased seasonally and the total was about 22 per cent larger than at

the end of the same month last year. Exports of wheat, including flour, declined during August instead of registering the usual seasonal increase, and the volume was only half as great as in the same month in 1930.

Corn receipts in the principal markets declined during August and the volume for the month was only 60 per cent as large as in the corresponding month last year. The visible supply decreased from July to August, but the total was 60 per cent larger than a year ago.

Cattle receipts which increased seasonally were somewhat larger than in the same month of either of the two preceding years. The Department of Agriculture reports that more unfinished cattle, but fewer grain-fed cattle are coming to market than during the latter months of 1930. The estimated number of cattle on feed in the Corn Belt on August 1 was 13 per cent smaller than a year ago. Hog receipts recorded a seasonal decrease from July to August, while the volume was about 6 per cent smaller than in the corresponding month last year. Meats in cold storage have declined seasonally since the spring months; the total on hand at the end of August was 22 per cent less than in August, 1929.

FOODSTUFFS STATISTICS

Year and month	Food products in- dustry			Crop marketings	Animal products, market- ings	Wheat				Corn			Animal products			Total raw sugar imports	Coffee imports
	F. R. B.		Wholesale prices			Receipts, principal markets	Visible supply, United States, end of month	Exports, including flour	Price, wtd. average, 8 markets, all grades	Receipts, principal markets	Visible supply, United States	Price, No. 3 yellow, Chicago	Cattle receipts	Hog receipts	Total meats, cold- storage, end of month		
	Production adjusted	Employment adjusted															
1929: August.....	100	99.9	103.1	132.9	100.0	102	191	17	1.26	19	6	1.01	1,619	2,964	1,027	500	875
1930:																	
August.....	91	93.0	87.1	122.5	91.4	85	200	24	.85	20	5	.99	1,605	2,617	788	313	712
September.....	96	92.9	89.2	175.5	91.2	63	214	19	.79	16	5	.94	2,108	2,799	652	392	991
October.....	94	90.9	88.6	212.1	96.7	29	205	12	.76	15	5	.82	2,377	3,441	534	360	1,159
November.....	94	91.4	85.7	148.8	88.5	25	202	8	.70	17	7	.71	1,696	3,439	597	344	957
December.....	89	90.8	81.8	105.8	97.8	22	196	6	.73	27	17	.69	1,736	4,002	737	312	1,098
1931:																	
January.....	93	91.2	80.1	74.3	94.7	29	197	6	.71	19	18	.65	1,508	4,652	959	204	1,094
February.....	92	90.3	77.1	66.8	85.5	31	202	4	.71	21	20	.61	1,303	3,704	1,092	364	1,289
March.....	87	89.9	76.7	64.4	94.0	31	207	5	.71	19	22	.60	1,535	3,207	1,072	515	1,407
April.....	96	90.6	75.6	53.1	101.2	21	200	7	.75	17	20	.58	1,617	3,067	1,100	415	1,126
May.....	91	90.8	72.9	62.0	106.7	31	198	10	.76	11	12	.56	1,551	2,938	1,062	313	1,415
June.....	83	88.7	72.4	55.2	118.0	30	191	12	.67	13	8	.58	1,540	2,854	1,014	382	1,037
July.....	88	88.1	73.1	103.1	105.2	104	218	17	.47	16	9	.57	1,488	2,511	946	413	1,100
August.....	88	88.1	73.7	86.0	95.7	67	243	12	.51	12	8	.46	1,821	2,454	798	532	884
Monthly average, Janu- ary through August:																	
1929.....	99	99.8	99.4	81.4	100.1	42	128	11	1.15	22	22	.94	1,554	3,640	1,195	551	941
1930.....	94	96.5	92.1	70.9	100.8	36	151	13	1.01	22	14	.84	1,531	3,387	964	391	988
1931.....	90	89.7	75.2	70.6	100.1	43	207	9	.66	16	15	.58	1,545	3,173	1,006	392	1,169

Forest Products

LUMBER production as measured by estimated timber cut reached a new low level in August, the Federal Reserve index standing at 40 per cent of the 1923-1925 average. This represents a decline of 10 per cent from the month previous and 34 per cent from the level of a year ago, and reflects the efforts of the industry to bring production more nearly into line with present demand.

Employment in the forest products industry declined slightly to a point one-fifth below a year ago and about half of the 1923-1925 average. Pay rolls also declined more than seasonally to a point just over 40 per cent of the 1923-1925 average.

Marketings of forest products in August were maintained at about the level of a year ago, with a very slight increase over the revised estimate for July. Present marketings are about two-thirds of the 1923-1925 average. Carloadings increased sharply but seasonally.

Marketings of naval stores declined somewhat more than seasonally in August to a point 17 per cent below August a year ago and 4 per cent below the average for this month in the years 1923-1925.

Production of southern pine, Douglas fir, and hardwoods this year have averaged less than new orders,

whereas last year up to this time production was exceeding the receipt of new orders. This reflects a better technical position of the industry although operations are at a low level.

Southern pine production declined while new and unfilled orders increased. Production during the first eight months of this year was about 40 per cent below the same period last year, being this year 10 per cent below new orders, whereas last year up to this time production was 9 per cent in excess of new orders.

Douglas fir production increased seasonally in August to a level 17 per cent below this month last year; new orders also increased and unfilled orders declined seasonally. Production for the first eight months of 1931 was at a rate about 8 per cent below that of placing of new orders, whereas in the same period last year production exceeded new orders by 2 per cent. Hardwoods production declined about 8 per cent in August while new orders dropped 6 per cent and unfilled orders fell off 7 per cent. Unfilled orders are now about three and a half times the monthly production.

Unfilled furniture orders in the Southeastern district in August were approximately the same as in July, the average amount for the first eight months of the year being 7 per cent below the same period last year.

FOREST PRODUCTS STATISTICS

Year and month	General operations			Indexes of marketing		Southern pine			Douglas fir ¹			Hardwoods			Carloadings, forest products	Furniture, unfilled orders, southeastern district
	Lumber production, adjusted F. R. B.	Employment, adjusted	Pay roll, unadjusted	Total forest products	Naval stores	Production	New orders	Unfilled orders	Production	New orders	Unfilled orders	Production	New orders	Unfilled orders		
	Monthly average 1923-1925=100					Millions of feet board measure									Thousands of cars	Dollars per firm
1929: August.....	93	90.5	94.7	91.7	189.0	-----	-----	-----	354	328	245	334	300	645	344	-----
1930:																
August.....	61	65.1	61.6	66.0	171.2	202	189	124	207	223	135	165	139	500	207	42,268
September.....	57	62.4	60.9	60.2	158.2	207	206	112	200	218	176	161	176	475	162	43,680
October.....	54	62.1	60.4	68.2	143.1	211	213	109	208	203	138	158	154	466	159	29,117
November.....	47	60.4	54.7	62.9	112.9	185	177	105	192	186	176	143	133	452	174	19,917
December.....	50	58.8	50.4	58.0	117.7	157	146	99	167	189	188	134	125	456	121	14,400
1931:																
January.....	49	56.3	44.0	55.9	37.1	165	191	116	160	192	183	143	169	456	156	31,781
February.....	45	56.3	45.6	55.9	25.5	154	171	107	179	189	182	158	188	481	138	34,160
March.....	50	55.7	46.2	60.9	39.7	165	174	113	186	217	197	165	173	473	138	29,798
April.....	49	55.4	44.9	64.0	98.3	165	169	104	202	224	216	146	154	463	130	28,248
May.....	50	55.4	45.7	68.4	136.5	148	158	84	207	189	136	146	158	431	165	19,338
June.....	49	54.4	44.6	67.5	189.9	127	140	78	200	191	163	143	176	419	125	56,865
July.....	44	52.0	41.7	66.6	186.7	122	147	83	149	181	166	109	139	402	106	47,997
August.....	40	51.1	41.3	67.0	141.5	120	151	85	172	188	111	101	131	375	138	47,706
Monthly average, January through August:																
1929.....	93	89.3	90.3	88.0	118.3	-----	-----	-----	333	350	341	313	310	641	286	-----
1930.....	74	73.4	70.3	70.5	117.2	244	223	166	262	256	222	228	181	588	219	39,699
1931.....	47	54.6	44.3	63.3	106.9	146	163	96	182	196	169	139	161	438	137	36,987

¹ Data for May, August, and October contain 5 weeks; other months, 4 weeks.

Miscellaneous Industries

LEATHER

Although there was an increase of about 2.5 per cent in the actual number of employees in the leather and leather products industry during August, this increase was less than the usual seasonal increase and the adjusted index of employment in the industry dropped 0.6 per cent. The Federal Reserve Board's adjusted index on production of leather and shoes increased by one point, however, and was 7.4 per cent over August last year. Production of shoes was almost 18 per cent greater than in July and was 18 per cent above August 1930.

PAPER AND PRINTING

A normal seasonal drop of 0.3 per cent in employment was recorded by the paper and printing industry during August. Pay rolls declined 0.5 per cent, and were almost 13 per cent under August, 1930. Production of newsprint paper, which is normally about the same in July and August, decreased by 12 per cent to the lowest level of the year and to a point 14 per cent under August last year.

NONFERROUS METALS

Production in the nonferrous metals group as indicated by the Federal Reserve Board's adjusted index dropped during August, reaching the lowest point so far this year. Employment and pay rolls also declined during the month and were materially under August, 1930.

Silver production increased more than normally, while lead production decreased after seasonal adjustments are made. Copper and zinc production increased by normal amounts for this season of the year but production of both metals was materially under August last year.

FUELS

The increase in the production of bituminous coal during August was less than normal so that the adjusted index of production decreased by 5.4 per cent from the July figure. August production was 14 per cent under August last year. Anthracite production increased by 7 per cent.

STATISTICS ON MISCELLANEOUS INDUSTRIES

Year and month	Leather and its products			Paper and printing			Nonferrous metals							Fuel production				
	F. R. B. production index, adjusted	Shoes	Sole and belting	F. R. B. production index, adjusted	Newsprint		F. R. B. production index, adjusted	Employment			Copper, smelter	Lead, refined	Tin	Bituminous	Anthracite	Crude petroleum		
		Production			Production	Consumption by publishers		Adjusted	Unadjusted	Pay rolls, unadjusted							Production	Deliveries
		Monthly average 1923-1925=100	Millions of pairs															
1929: August.....	108	36	26	125	121	172	124	101.2	99.8	113.2	91,735	58,503	7,185	44,695	5,735	92		
1930:																		
August.....	95	28	23	109	102	157	96	76.1	75.1	72.0	66,698	52,980	5,695	35,661	6,081	75		
September.....	95	29	23	109	95	164	97	73.6	72.5	70.7	68,487	48,491	7,250	38,632	5,293	71		
October.....	89	28	23	107	105	183	95	72.6	71.6	69.4	70,419	50,402	7,580	44,150	7,576	73		
November.....	81	19	19	103	92	185	87	71.8	70.9	67.3	64,816	43,423	6,270	38,122	5,207	68		
December.....	81	18	22	98	99	167	85	71.2	70.2	67.9	60,022	48,517	7,495	39,716	6,086	67		
1931:																		
January.....	78	20	20	106	102	161	78	69.2	68.4	64.1	53,429	43,405	7,210	38,542	6,157	66		
February.....	87	24	17	110	89	150	79	66.8	68.1	64.4	55,229	39,464	5,100	31,408	5,391	61		
March.....	92	29	18	110	101	179	77	66.6	68.8	66.3	57,922	41,775	6,120	33,870	4,745	69		
April.....	103	30	20	110	102	174	73	66.5	68.1	65.4	52,085	35,498	6,630	28,478	5,700	73		
May.....	107	28	18	113	101	180	73	66.6	67.4	63.4	53,734	39,519	5,505	28,314	5,005	77		
June.....	101	28	20	108	101	161	68	65.4	65.4	59.1	51,652	30,708	5,185	29,185	4,544	75		
July.....	101	28	19	109	100	157	65	64.2	63.4	54.5	46,503	32,157	5,100	29,790	3,954	78		
August.....	102	33			88	146	64	63.1	62.3	52.9	47,246	30,249	5,270	30,534	4,314			
Monthly average, January through August:																		
1929.....	104	30	24	125	117	185	129	103.4	104.1	120.3	100,585	59,691	7,768	42,990	5,758	84		
1930.....	98	27	24	117	111	178	101	81.0	81.5	85.0	74,158	53,034	6,204	37,626	5,619	77		
1931.....	98	28			98	164	72	66.1	66.5	61.3	52,225	36,597	5,765	31,265	4,676			

LIFE INSURANCE—PREMIUM COLLECTIONS ¹

[Thousands of dollars]

	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
TOTAL INSURANCE											
January.....	101,735	109,411	123,997	138,646	157,556	170,949	188,381	211,129	223,611	247,690	254,005
February.....	98,468	111,756	121,771	140,932	153,000	169,364	184,058	220,108	230,246	231,383	244,325
March.....	112,377	125,303	139,260	145,920	174,738	190,301	209,818	226,439	239,319	262,403	270,081
April.....	109,343	114,200	130,938	144,985	167,663	183,126	200,358	214,455	236,386	241,280	258,926
May.....	104,266	117,999	131,275	150,084	167,240	176,103	194,465	223,832	234,187	247,045	268,658
June.....	106,077	116,063	131,122	142,913	163,046	180,221	201,223	211,999	221,879	238,686	256,586
July.....	103,482	114,729	128,213	146,656	165,593	180,851	190,493	213,230	239,199	240,976	260,103
August.....	98,740	111,076	127,140	134,286	151,227	165,372	189,754	199,319	217,478	222,020	234,652
September.....	95,478	101,743	113,911	131,008	147,548	162,633	178,808	190,824	206,336	220,002	-----
October.....	104,717	114,152	131,112	145,617	161,683	174,412	192,072	216,627	229,926	236,666	-----
November.....	101,700	114,151	130,917	138,515	161,245	177,097	194,924	210,763	224,519	226,944	-----
December.....	130,289	148,789	171,697	205,434	229,976	236,164	264,488	285,694	299,023	333,743	-----
ORDINARY INSURANCE											
January.....	77,905	82,413	93,945	106,045	116,835	124,695	135,396	148,947	160,867	164,920	170,497
February.....	77,492	88,056	93,534	108,162	116,975	123,456	135,969	154,292	160,630	162,709	166,759
March.....	89,610	98,754	108,752	111,422	128,544	142,143	158,510	168,961	175,645	182,665	186,452
April.....	85,604	89,983	101,031	113,205	128,710	139,123	149,281	157,836	172,282	173,929	183,992
May.....	80,580	91,189	102,252	114,686	127,080	131,553	143,772	165,718	174,278	175,397	175,562
June.....	83,415	89,420	100,182	107,888	121,806	132,268	149,477	154,916	158,733	166,190	173,947
July.....	79,543	87,464	97,406	113,019	125,554	133,755	138,262	152,862	169,773	170,847	178,398
August.....	74,031	83,602	96,209	99,417	109,737	117,851	135,207	143,386	154,206	150,754	154,579
September.....	71,937	76,637	84,838	95,049	107,367	118,023	128,751	135,743	143,078	147,907	-----
October.....	79,127	86,138	98,241	109,188	119,073	125,689	137,008	154,489	169,724	165,954	-----
November.....	78,697	87,629	99,377	103,731	118,552	127,489	141,789	155,032	156,465	154,473	-----
December.....	99,149	109,624	119,800	141,633	157,858	154,534	168,114	181,752	190,844	191,871	-----
INDUSTRIAL INSURANCE											
January.....	21,804	24,560	28,002	29,867	36,550	41,247	45,920	54,564	53,806	58,711	62,659
February.....	19,649	22,201	25,706	30,200	32,901	37,801	43,286	48,193	51,956	55,659	56,388
March.....	21,436	25,195	28,640	32,814	37,022	43,344	45,534	51,013	56,159	65,605	62,920
April.....	21,946	22,805	27,869	29,235	33,829	40,763	45,650	50,691	55,768	53,948	53,854
May.....	22,266	25,155	27,339	32,963	36,574	40,299	45,750	52,184	52,218	58,459	59,884
June.....	21,381	25,318	29,169	32,744	37,977	43,747	46,584	51,509	55,801	59,522	60,654
July.....	22,233	25,717	28,877	30,758	36,664	42,639	47,108	53,072	57,932	54,602	55,612
August.....	23,216	26,128	29,006	32,530	37,808	43,419	49,220	50,228	56,143	58,961	62,874
September.....	22,354	23,709	27,378	33,811	37,057	40,827	45,741	49,343	56,773	59,859	-----
October.....	23,927	26,456	30,697	33,404	38,951	43,988	49,272	55,691	51,705	55,851	-----
November.....	21,762	24,813	29,195	32,191	39,074	45,281	48,273	49,154	57,973	58,108	-----
December.....	29,071	36,957	48,803	59,616	65,018	73,947	89,926	96,864	97,619	112,666	-----
GROUP INSURANCE											
January.....	2,026	2,438	2,050	2,734	4,171	5,007	7,065	7,618	8,938	9,669	10,108
February.....	1,327	1,499	2,531	2,570	3,124	8,107	4,803	17,623	17,660	8,099	8,748
March.....	1,331	1,354	1,868	1,684	9,172	4,814	5,774	6,465	7,515	8,344	8,790
April.....	1,793	1,412	2,038	2,545	5,124	3,240	5,427	5,928	8,336	7,598	8,398
May.....	1,420	1,655	1,684	2,435	3,586	4,251	4,943	5,930	7,691	8,003	8,037
June.....	1,281	1,325	1,771	2,281	3,263	4,206	5,162	5,574	7,345	7,615	8,117
July.....	1,706	1,548	1,930	2,879	3,375	4,457	5,123	4,296	11,494	8,480	8,114
August.....	1,493	1,346	1,925	2,339	3,682	4,102	5,327	5,705	7,129	6,508	7,895
September.....	1,187	1,397	1,695	2,148	3,124	3,783	4,316	5,738	6,485	7,220	-----
October.....	1,663	1,558	2,174	3,025	3,659	4,735	5,792	6,447	8,497	7,944	-----
November.....	1,241	1,709	2,345	2,593	3,619	4,327	4,862	6,577	10,081	7,269	-----
December.....	2,069	2,208	3,093	4,185	7,100	7,683	6,448	7,078	10,560	9,591	-----
ANNUITIES											
January.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	14,390	10,741
February.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	4,916	12,430
March.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,789	11,919
April.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,805	12,682
May.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,086	25,175
June.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,359	13,868
July.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,047	17,979
August.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,797	9,304
September.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	5,016	-----
October.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	6,917	-----
November.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	7,094	-----
December.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	19,615	-----

¹ Compiled by the Association of Life Insurance Presidents from reports of 44 companies. Prior to May, 1927, 45 companies were represented, but due to a merger of 2 companies this number was reduced to 44. This merger did not affect the comparability of the series in any way, as both companies contributed their data toward the aggregate compilation. Annuities were first segregated in January, 1930. This table revises any data previously shown in the Survey of Current Business on this subject.

WEEKLY BUSINESS INDICATORS

[Weekly average, 1923-1925=100]

ITEM	1931			1930			1929			ITEM	1931			1930			1929		
	Sept. 26	Sept. 19	Sept. 12	Sept. 27	Sept. 20	Sept. 13	Sept. 28	Sept. 21	Sept. 14		Sept. 26	Sept. 19	Sept. 12	Sept. 27	Sept. 20	Sept. 13	Sept. 28	Sept. 21	Sept. 14
*Composite index, N. Y. Times.....	68.9	70.0	83.6	85.2	86.4	106.1	105.6	106.9	106.9	Wholesale prices—Continued.									
*Composite index, Business Week.....	71.3	71.8	86.2	85.6	84.1	109.3	108.7	106.2	106.2	Fisher's index (1926=100—									
Detroit employment.....	70.4	74.8			80.8	119.0		127.0		Total (120).....	68.6	69.0	68.9	83.1	83.6	83.4	95.8	96.1	96.3
Production:										Agricultural products (30).....	54.8		55.9	85.6	87.1	87.1	101.8	102.3	102.2
Beehive coke.....	7.3	6.9	17.1	15.9	15.5	48.6	50.2	50.2		Nonagricultural products (90).....	71.6		72.2	80.7	80.9	80.9	92.2	92.3	92.7
Bituminous coal.....	74.5	69.6	93.4	91.5	93.8	119.1	113.0	113.0		Iron and steel composite.....	74.9	75.0	75.0	78.6	78.8	78.9	88.0	88.2	88.2
Building (new awards).....		68.7	82.9		74.8	106.0		113.0		Banking and finance:									
Electric current.....	99.8	95.0	102.9	103.4	103.7	106.7	107.6	108.4		Bank debits outside N. Y. C.....	88.2	94.7	63.1	106.5	116.0	99.8	147.8	155.3	136.9
Petroleum.....	105.3	105.7	92.1	114.7	116.3	116.2	139.2	140.4	142.3	Bond prices.....	99.4	101.4	103.3	109.0	108.7	108.6	102.9	103.1	103.1
Steel ingots.....	38.2	39.5	78.9	78.9	76.3	111.8	107.9	111.8		Business failures (number).....	118.7	104.7	97.3	119.9	122.1	113.8	105.2	88.5	97.5
Receipts:										Federal reserve ratio.....	99.4	101.2	102.6	105.8	105.3	104.9	95.2	95.2	95.1
Cattle and calves.....	85.1	89.2	79.4	101.0	102.8	99.1	121.5	109.8	100.0	Interest rates, call.....	36.4	36.4	36.4	48.5	54.5	60.6	215.1	203.0	197.9
Cotton.....	176.5	131.9	86.9	198.8	202.7	180.8	245.8	202.3	172.1	Interest rates, time.....	40.0	34.3	40.0	67.7	74.3	75.4	208.6	205.7	205.7
Hogs.....	60.9	58.2	56.7	63.8	60.4	60.1	77.8	66.4	69.2	Loans and discounts.....	113.8	114.1	114.7	135.3	135.1	134.5	138.0	138.1	137.2
Wheat.....	112.1	117.7	144.9	167.6	212.4	100.7	125.5	121.8	120.3	Money in circulation.....	106.6	105.2	105.1	92.0	92.3	92.5	98.5	98.8	99.3
Distribution: Car loadings.....	77.5	69.6	99.1	99.4	100.7	125.5	121.8	120.3		Net demand deposits.....	106.7	108.7	109.2	112.1	112.8	113.4	108.2	109.1	110.0
Wholesale prices:										Stock prices.....	102.2	107.3	115.6	193.7	203.8	210.5	304.9	312.5	308.0
Copper, electrolytic.....	49.3	51.4	52.9	71.7	73.9	75.4	129.0	129.0	129.0	Time deposits.....	150.8	152.1	153.3	165.2	164.3	164.9	150.6	150.1	150.0
Cotton, middling, spot.....	23.2	23.5	25.0	38.2	40.1	40.8	68.8	68.8	69.9										

* Relative to a computed normal taken as 100.

† Relative to weekly average 1928-1930 for week shown.

WEEKLY BUSINESS STATISTICS

ITEM	1931			1930			1929			1928	
	Sept. 26	Sept. 19	Sept. 12	Sept. 27	Sept. 20	Sept. 13	Sept. 28	Sept. 21	Sept. 14	Sept. 29	Sept. 22
PRODUCTION AND DISTRIBUTION											
Bituminous-coal production.....thous. tons.....		7,256	6,784	9,103	8,920	9,145	11,605	11,013	11,008	11,056	10,021
Building contracts (da. av.) 37 States.....thous. dolls.....			11,026	13,317		12,013	17,023		18,137	29,086	
Electrical current output.....mil. kw.-hours.....		1,663	1,582	1,714	1,722	1,727	1,778	1,792	1,806	1,623	1,614
Exports:											
Corn.....thous. of bu.....		20	23	14	46	46	97	207	45	131	62
Wheat.....thous. of bu.....		2,371	1,202	2,367	3,000	2,451	1,377	3,087	3,485	3,658	4,568
Wheat flour.....thous. of bbls.....		178	81	387	350	323	288	281	239	274	323
Freight cars:											
Loadings, total.....cars.....		742,628	667,750	950,381	952,561	965,813	1,203,139	1,167,395	1,153,274	1,196,965	1,144,131
Coal and coke.....cars.....		127,611	116,924	161,134	162,043	168,092	223,423	204,756	199,604	217,099	191,227
Forest products.....cars.....		26,572	24,167	42,159	41,496	40,800	63,781	62,576	64,826	66,615	64,477
Grain and grain products.....cars.....		40,192	33,572	43,119	46,125	49,920	49,049	51,775	52,890	63,325	60,263
Livestock.....cars.....		24,931	23,743	28,976	27,175	26,903	35,000	32,135	29,273	36,743	36,845
Merchandise l. c. l.....cars.....		217,912	187,645	244,733	244,800	243,044	273,494	271,407	269,387	270,568	266,658
Miscellaneous.....cars.....		275,555	251,413	382,139	382,137	386,267	489,535	475,790	467,694	480,511	460,303
Ore.....cars.....		29,855	30,286	48,095	48,785	50,787	68,857	68,956	69,600	62,104	64,358
Net available surplus (da. av.).....cars.....			571,014	394,032	389,687	391,819	118,523	131,850	147,845	105,017	93,204
Petroleum production (da. av.).....thous. of bbls.....		2,193	2,202	2,390	2,422	2,420	2,900	2,925	2,965	2,510	2,509
Receipts:											
Cattle and calves (12 markets).....thous.....		269	252	319	325	313	384	347	316	385	444
Cotton into sight.....thous. of bales.....		459	226	572	527	470	639	526	449	667	527
Wheat, primary markets.....thous. bush.....		8,907	9,353	11,516	13,317	16,876	11,123	10,811	11,663	19,793	18,364
Wool, total, Boston.....thous. lbs.....		841	3,379	1,335	686	1,296	1,691	2,000	11,902	1,963	2,409
Steel-ingot production.....per cent capacity.....		29	30	60	60	58	85	82	85	86	85
WHOLESALE PRICES											
Chemical index.....rel. to 1924.....	106.3	106.3	106.3	107.2	107.2	107.2	112.5	112.2	113.1	108.7	108.7
Copper ingots, electrolytic, New York.....dolls. lb.....	.068	.071	.073	.099	.102	.104	.178	.178	.178	.150	.149
Cotton middling, spot, New York.....dolls. lb.....	.063	.064	.068	.104	.109	.111	.187	.187	.190	.193	.185
Food index (Bradstreet's).....dolls. lb.....	2.15	2.19	2.17	2.71	2.77	2.79	3.31	3.33	3.34	3.41	3.44
Iron and steel composite.....dolls. ton.....	31.02	31.03	31.04	32.56	32.64	32.68	36.44	36.52	36.52	35.29	35.23
Wheat, No. 2, hard winter, Kansas City.....dolls. bu.....	.43	.45	.42	.77	.78	.80	1.23	1.25	1.26	1.10	1.07
FINANCIAL											
Bank debits:											
New York City.....mills. of dolls.....	5,231	5,261	2,824	6,157	6,753	5,375	12,673	12,028	12,409	9,287	9,711
Outside New York City.....mills. of dolls.....	4,018	4,315	2,877	4,850	5,285	4,548	6,736	7,074	6,235	5,751	6,506
Bond sales, New York Stock Exchange:											
United States Government.....thous. of dolls.....	15,181	6,141	4,807	2,629	3,549	1,632	1,991	1,419	2,548	2,108	1,802
Average price 40 corporation bonds.....dolls.....	89.02	90.80	92.49	97.58	97.37	97.21	92.18	92.32	92.30	96.64	96.62
Business failures.....number.....	483	426	396	488	497	463	428	360	397	400	437
Federal reserve banks:											
Bills discounted.....mills. of dolls.....	310	263	260	167	163	183	944	934	973	1,011	1,094
Total reserves.....mills. of dolls.....	3,492	3,648	3,629	3,141	3,127	3,112	3,162	3,156	3,146	2,771	2,768
Federal reserve reporting member banks:											
Total loans and discounts.....mills. of dolls.....	14,228	14,263	14,333	16,912	16,881	16,812	17,244	17,254	17,142	15,868	15,941
Total investments.....mills. of dolls.....	7,844	7,869	7,683	6,385	6,369	6,353	5,438	5,489	5,429	6,016	6,039
"Other" loans.....mills. of dolls.....	7,867	7,849	7,891	8,458	8,484	8,488	9,524	9,567	9,564	9,058	9,066
Net demand, deposits.....mills. of dolls.....	12,885	13,134	13,195	13,542	13,618	13,700	13,072	13,179	13,283	12,981	13,045
Time deposits.....mills. of dolls.....	6,837	6,895	6,950	7,489	7,448	7,478	6,829	6,805	6,799	6,848	6,831
Foreign exchange, sterling.....dolls.....	3.99	4.86	4.86	4.86	4.86	4.86	4.85	4.85	4.85	4.85	4.85
Interest rates on brokers' loans:											
Time money, New York.....per cent.....	1.75	1.50	1.75	2.96	3.25	3.30	9.13	9.00	9.00	7.38	7.25
Call money, New York.....per cent.....	1.50	1.50	1.50	2.00	2.25	2.50	8.88	8.38	8.13	6.75	7.75
Money in circulation (daily average).....mills. of dolls.....	5,176	5,108	5,105	4,470	4,481	4,494	4,782	4,798	4,822	4,806	4,789
Stocks, New York Exchange:											
Average price 50 stocks.....dolls.....	99.27	104.20	112.30	188.11	197.94	204.46	296.13	303.53	299.11	204.36	204.98
Sales.....thous. of shares.....	16,084	14,337	8,299	16,179	9,677	11,331	24,557	23,475	26,400	22,751	23,751
Stock prices, average weekly closing:											
Industrials, rails, and utilities (404).....rel. to 1926.....	78.8	81.2	87.8	142.1	150.1	153.6	224.2	228.1	222.1	156.4	157.8
All industrials (337).....rel. to 1926.....	73.0	76.0	81.4	132.5	140.2	144.0	213.3	218.5	216.9	162.1	163.8
All railroads (33).....rel. to 1926.....	58.2	52.4	57.5	119.7	123.0	124.9	164.4	169.4	167.9	128.9	129.7
All utilities (34).....rel. to 1926.....	123.8	131.0	144.4	206.4	219.5	223.8	330.4	327.9	312.4	155.7	156.1

Monthly Business Statistics

The following table contains a summary of the monthly figures designed to show the trend in important industrial and commercial movements. These data represent continuations of the figures presented in the 1931 Annual Supplement to the Survey of Current Business, in which monthly figures for the past seven years may be found, together with explanations as to the sources and basis for the figures quoted. The figures given below should always be read in connection with these explanations. For later data, which have become available since these data were compiled, see recent Weekly Supplements to the Survey.

CONTENTS

	Page		Page
Industrial indexes.....	23	Commodity groups—Continued.	
Wholesale prices.....	24	Rubber and its products.....	40
Commodity groups:		Stone, clay, and glass.....	42
Automobiles.....	26	Textiles.....	42
Chemicals and allied products.....	27	Tobacco.....	44
Foodstuffs.....	29	Miscellaneous.....	44
Forest products.....	33	Fuels.....	45
Leather products.....	34	Distribution movement.....	46
Iron and steel.....	35	Foreign trade.....	47
Machinery.....	37	Employment and wages.....	48
Nonferrous metals.....	38	Construction.....	50
Paper and its products.....	39	Public utilities.....	51
Printing.....	40	Finance.....	53

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
INDUSTRIAL PRODUCTION													
Federal Reserve Board													
Total, unadjusted.....rel. to 1923-25.....	79	80	83	89	90	89	87	82	78	85	90	92	90
Total, adjusted.....rel. to 1923-25.....	80	83	84	89	89	87	86	82	82	84	87	91	91
Manufactures, total unadjusted.....rel. to 1923-25.....	79	79	82	90	91	91	88	81	76	84	88	91	89
Manufactures, total adjusted.....rel. to 1923-25.....	80	83	84	89	89	87	85	81	80	84	85	90	91
Automobiles.....rel. to 1923-25.....	60	61	65	77	77	67	68	63	85	74	49	62	62
Cement.....rel. to 1923-25.....	102	108	112	96	90	81	80	84	83	86	97	111	117
Food products.....rel. to 1923-25.....	88	88	83	91	96	87	92	93	89	94	94	96	91
Iron and steel.....rel. to 1923-25.....	51	59	64	72	75	78	73	64	59	65	75	86	92
Leather and shoes.....rel. to 1923-25.....	102	101	101	107	102	92	87	77	81	80	89	95	95
Nonferrous metals.....rel. to 1923-25.....	64	65	68	73	73	77	79	78	85	87	95	97	96
Paper and printing.....rel. to 1923-25.....	109	109	108	113	110	110	111	107	101	103	107	109	109
Petroleum refining.....rel. to 1923-25.....	162	161	163	161	152	149	144	144	149	151	160	165	164
Polished plate glass.....rel. to 1923-25.....	91	91	112	117	117	119	111	90	65	91	101	95	65
Auto tires and tubes.....rel. to 1923-25.....	112	112	126	123	107	98	94	88	73	77	88	84	96
Textiles.....rel. to 1923-25.....	100	102	97	101	98	97	93	86	87	93	91	88	81
Tobacco manufactures.....rel. to 1923-25.....	118	122	133	137	134	131	132	121	128	119	129	125	130
Minerals, total unadjusted.....rel. to 1923-25.....	84	85	85	84	83	82	84	86	89	95	104	100	101
Minerals, total adjusted.....rel. to 1923-25.....	81	84	85	86	92	87	88	90	94	92	98	94	96
Anthracite.....rel. to 1923-25.....	61	57	66	71	84	72	89	93	93	83	105	80	86
Bituminous coal.....rel. to 1923-25.....	70	74	74	75	77	76	73	77	85	86	87	85	82
Copper.....rel. to 1923-25.....	59	59	67	68	69	70	76	72	76	83	83	89	84
Crude petroleum.....rel. to 1923-25.....	114	122	122	122	121	112	110	110	111	114	115	114	117
Iron-ore shipments.....rel. to 1923-25.....	59	55	46	27	0	0	0	0	0	51	74	79	96
Lead.....rel. to 1923-25.....	61	64	60	78	71	79	82	83	92	83	94	101	106
Silver.....rel. to 1923-25.....	45	42	46	51	54	63	62	68	71	73	70	73	70
Zinc.....rel. to 1923-25.....	49	49	54	54	61	65	65	65	68	70	90	93	94
Industrial Consumption of Electrical Energy													
Consumption by geographic sections:													
United States.....rel. to 1923-25.....	97.3	97.9	101.7	109.8	106.4	108.2	110.3	97.6	99.1	105.4	103.2	110.7	106.9
New England.....rel. to 1923-25.....	89.9	100.6	98.4	104.4	109.4	105.8	105.5	90.2	86.3	96.3	93.2	88.1	87.1
North Central.....rel. to 1923-25.....	90.0	92.1	102.7	109.2	105.0	105.7	109.0	100.2	99.0	100.6	107.3	110.6	122.0
Middle Atlantic.....rel. to 1923-25.....	99.5	95.7	91.5	101.3	97.6	102.8	108.0	96.6	97.5	103.5	99.6	103.1	94.3
Southern.....rel. to 1923-25.....	112.8	117.5	114.3	118.2	108.6	117.5	130.6	105.8	116.4	113.4	118.4	120.1	110.2
Western.....rel. to 1923-25.....	96.8	96.8	106.4	119.1	114.0	115.7	120.0	111.0	99.9	121.3	116.1	130.9	125.0
Consumption by industries:													
All industry.....rel. to 1923-25.....	97.3	97.9	101.7	109.8	106.4	108.2	110.3	97.6	99.1	104.3	103.2	110.7	106.9
Automobiles, including repair parts.....rel. to 1923-25.....	43.6	55.9	71.3	89.7	90.8	94.1	88.9	67.5	71.5	74.9	80.9	88.4	86.6
Food and kindred products.....rel. to 1923-25.....	146.4	147.0	136.2	126.8	122.0	116.8	112.9	118.3	107.1	124.4	137.2	148.6	141.2
Leather and its products.....rel. to 1923-25.....	77.1	83.8	85.4	81.0	83.9	71.2	76.1	71.6	68.7	73.0	84.9	73.5	87.7
Lumber and its products.....rel. to 1923-25.....	79.4	76.9	86.3	97.2	91.5	93.2	84.2	82.6	73.3	86.5	77.1	105.6	97.7
Metals group.....rel. to 1923-25.....	75.0	74.5	81.5	98.5	99.5	112.2	114.0	97.4	102.3	99.5	101.2	101.4	100.3
Metal-working plants.....rel. to 1923-25.....	73.3	69.3	78.6	94.0	94.6	103.5	112.3	95.0	97.8	89.6	87.0	97.4	95.2
Rolling mills and steel plants.....rel. to 1923-25.....	78.0	83.1	86.6	106.8	108.1	119.4	116.5	103.4	110.2	106.5	126.0	110.3	112.0
Paper and pulp.....rel. to 1923-25.....	121.7	104.0	112.4	135.1	109.6	123.0	127.0	111.8	117.0	112.3	120.0	119.3	115.1
Rubber and its products.....rel. to 1923-25.....	98.5	97.4	121.0	122.3	109.0	109.6	122.0	106.5	84.3	95.3	99.0	107.2	110.5
Shipbuilding.....rel. to 1923-25.....	85.6	82.0	84.8	89.7	92.5	98.3	114.8	113.9	99.0	105.5	121.5	124.1	122.8
Stone, clay, and glass.....rel. to 1923-25.....	105.9	104.8	118.7	132.0	116.5	105.1	102.6	75.3	100.6	106.2	106.3	120.5	118.2
Textiles.....rel. to 1923-25.....	95.0	98.2	100.5	103.7	100.0	97.3	99.3	86.4	89.8	87.0	85.4	85.1	72.5

¹ Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
STOCKS AND ORDERS													
New orders, total.....rel. to 1923-25.....		48.3	² 56.0	² 52.9	² 60.4	² 58.2	² 49.8	² 51.2	² 48.7	48.7	56.6	² 60.0	53.8
Stocks, total.....rel. to 1923-25.....	137.2	² 134.2	² 134.1	² 139.2	² 143.9	² 150.7	² 153.3	² 156.3	163.7	161.8	157.2	144.6	132.3
Manufactured goods.....rel. to 1923-25.....	114.5	² 117.2	² 118.2	² 118.5	² 119.4	² 119.5	² 119.9	² 119.5	² 120.1	² 118.6	² 118.4	² 118.2	² 120.5
Raw materials.....rel. to 1923-25.....	153.6	² 146.5	145.6	154.1	161.7	173.2	177.4	182.8	194.5	192.6	184.8	163.5	140.7
Unfilled orders, total.....rel. to 1923-25.....		53.5	² 55.2	56.1	59.8	61.2	60.2	61.8	61.8	58.7	58.6	63.0	65.3
COST OF LIVING													
All groups.....rel. to 1923.....	85.9	85.9	85.9	86.9	88.2	89.1	89.6	91.1	92.6	93.9	94.8	95.4	94.7
Clothing.....rel. to 1923.....	78.6	78.6	79.9	80.7	82.0	83.2	84.4	84.6	86.6	87.7	88.8	90.5	89.3
Food.....rel. to 1923.....	81.9	81.5	81.0	82.8	84.9	86.5	86.9	90.9	93.9	96.8	98.8	99.7	98.4
Fuel and light.....rel. to 1923.....	89.6	89.3	89.1	89.1	90.6	92.5	92.7	92.9	92.9	92.9	92.7	92.1	91.4
Housing.....rel. to 1923.....	81.5	82.0	82.6	83.5	84.1	84.6	85.3	85.9	86.7	87.5	88.0	88.7	88.5
Sundries.....rel. to 1923.....	95.5	95.8	95.5	95.9	96.8	96.8	96.9	97.2	97.4	97.6	97.8	97.6	97.6
PRICE INDEXES													
Department of Labor Indexes:													
All commodities (550).....rel. to 1926.....	70.2	70.0	70.0	71.3	73.3	74.5	75.5	77.0	78.4	80.4	82.6	84.2	84.0
Food (121).....rel. to 1926.....	73.7	73.1	72.4	72.9	75.6	76.7	77.1	80.1	81.8	85.7	88.6	89.2	87.1
Finished products (380).....rel. to 1926.....	74.6	74.0	74.0	75.1	77.1	78.4	79.3	80.5	81.9	83.7	85.6	86.8	86.4
Industrial group commodities—													
Building materials (57).....rel. to 1926.....	75.4	75.8	77.5	78.4	80.9	81.9	81.8	82.9	84.4	85.6	85.8	86.4	87.4
Chemicals and drugs (78).....rel. to 1926.....	75.5	77.3	77.9	79.1	80.1	81.9	82.2	83.6	84.8	85.2	86.0	86.6	87.3
Fuel and lighting (23).....rel. to 1926.....	62.3	58.2	58.1	60.9	61.6	64.5	69.6	69.8	70.5	71.8	75.1	76.3	75.4
Hides and leather products (40).....rel. to 1926.....	88.5	89.2	87.8	87.3	87.3	87.4	86.6	88.6	91.2	94.0	96.5	99.1	98.9
House furnishing goods (37).....rel. to 1926.....	87.5	88.0	88.6	89.2	90.8	90.8	90.8	91.1	91.3	95.2	95.3	95.4	95.9
Textile products (75).....rel. to 1926.....	64.2	65.4	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.8	75.5	77.7
Miscellaneous (25).....rel. to 1926.....	58.5	61.0	61.8	62.8	63.9	64.7	63.9	64.7	66.9	67.8	68.8	69.7	71.2
All except farm and food products (384).....rel. to 1926.....	72.3	71.8	71.9	73.2	74.2	75.6	77.1	77.8	79.0	80.1	81.5	82.8	83.3
Raw materials (108).....rel. to 1926.....	64.1	64.3	64.7	66.5	68.3	69.4	70.6	72.9	74.2	76.8	80.0	82.1	81.8
Semimanufactured articles (62).....rel. to 1926.....	68.3	69.5	68.5	68.9	71.1	72.2	72.3	73.4	74.3	75.6	75.5	76.5	78.1
Bradstreet's Index.....rel. to 1926.....	65.7	68.0	67.9	66.9	69.0	71.4	71.0	72.0	73.6	76.1	77.8	79.7	80.7
Dun's Index.....rel. to 1926.....	75.1	77.2	77.7	77.3	79.2	80.9	81.4	82.7	84.7	86.4	87.6	89.2	90.6
WHOLESALE PRICES													
Acetate of lime.....dolls. per cwt.....	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.42	3.00	3.00
Aluminum No. 1, Virgin 98-99.....													
New York.....dolls. per lb.....	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290
Aluminum, scrap cast, New York.....dolls. per lb.....	.0400	.0424	.0438	.0438	.0488	.0488	.0517	.0525	.0601	.0738	.0769	.0788	.0791
Barley, No. 2, Minneapolis.....dolls. per bu.....	.45	.42	.39	.45	.48	.44	.44	.44	.47	.48	.52	.53	.52
Brass sheets, mill.....dolls. per lb.....	.154	.157	.158	.165	.172	.174	.171	.173	.178	.176	.169	.176	.179
Brick, common, red, New York.....dolls. per thous.....	10.00	10.00	10.00	10.25	10.25	10.00	10.00	10.00	9.50	9.50	9.50	9.50	9.50
Butter, common, New York.....dolls. per lb.....	.28	.25	.23	.24	.26	.29	.28	.29	.32	.36	.40	.40	.39
Cement, Portland (composite).....dolls. per lb.....	1.331	1.331	1.364	1.399	1.422	1.477	1.543	1.578	1.580	1.588	1.600	1.600	1.600
Cheese, American whole milk, New York.....dolls. per lb.....	.16	.15	.14	.14	.15	.16	.16	.17	.18	.19	.19	.20	.19
Chemicals.....rel. to 1927.....	.86	.88	.88	.89	.90	.89	.89	.90	.93	.94	.94	.94	.94
Coffee, Rio, No. 7, Brazil grades.....dolls. per lb.....	.056	.063	.068	.061	.053	.056	.064	.068	.070	.079	.089	.072	.072
Copper ingots, electrolytic.....dolls. per lb.....	.0729	.0770	.0803	.0867	.0939	.0985	.0972	.0984	.1030	.1011	.0960	.1031	.1069
Coal:													
Anthracite—													
Retail, composite.....dolls. per short ton.....	14.73	14.59	14.31	14.19	14.39	14.85	14.85	14.88	14.89	14.90	14.87	14.80	14.57
Wholesale, composite.....dolls. per short ton.....	12.796	12.614	12.413	12.270	12.202	12.608	12.732	12.732	12.751	12.751	12.762	12.707	12.578
Bituminous—													
Mine average (spot).....dolls. per short ton.....	1.57	1.58	1.56	1.60	1.64	1.69	1.77	1.77	1.77	1.78	1.81	1.75	1.68
Prepared sizes (composite).....dolls. per net ton.....	3.907	3.856	3.816	3.838	3.845	3.999	4.223	4.270	4.317	4.336	4.342	4.303	4.180
Retail, composite.....dolls. per short ton.....	8.11	8.09	8.00	8.04	8.46	8.71	8.83	8.87	8.94	8.94	8.88	8.79	8.70
Wholesale, composite.....dolls. per short ton.....	3.704	3.706	3.692	3.723	3.760	3.791	3.814	3.829	3.898	3.900	3.893	3.897	3.892
Coke, furnace, Connellsville.....dolls. per short ton.....	2.45	2.45	2.45	2.48	2.50	2.50	2.53	2.55	2.55	2.58	2.60	2.60	2.55
Cocoa, spot, Accra, New York.....dolls. per lb.....	.0525	.0581	.0563	.0494	.0535	.0550	.0563	.0619	.0675	.0688	.0675	.0670	.0775
Corn:													
No. 3, yellow, Chicago.....dolls. per bu.....	.46	.57	.58	.56	.58	.60	.61	.65	.69	.71	.82	.94	.99
No. 3, Kansas City.....dolls. per bu.....	.45	.53	.52	.52	.53	.54	.54	.59	.66	.69	.82	.89	.92
No. 3, white, Chicago.....dolls. per bu.....	.49	.58	.59	.56	.58	.60	.63	.68	.73	.76	.88	.97	.99
Cotton:													
To producer.....dolls. per lb.....	.063	.085	.077	.088	.093	.096	.091	.086	.087	.096	.092	.099	.114
In New York, middling.....dolls. per lb.....	.072	.093	.090	.093	.102	.109	.110	.102	.101	.110	.107	.109	.121
Cottonseed oil, refined, yellow, prime, New York.....dolls. per lb.....	.059	.069	.068	.069	.076	.076	.073	.073	.072	.076	.076	.081	.084
Cotton goods:													
Print cloth 64 x 60.....dolls. per yd.....	.030	.049	.048	.050	.053	.055	.053	.052	.053	.057	.055	.053	.050
Sheeting, brown.....dolls. per yd.....	.052	.056	.054	.058	.059	.059	.065	.062	.065	.066	.066	.070	.070
Cotton goods (Fairchild).....rel. to 1911-1913.....	100	111	112	115	119	121	119	120	122	124	124	124	126
Cotton yarns:													
22/1 cones, Boston.....dolls. per lb.....	.212	.225	.215	.223	.231	.240	.239	.248	.247	.254	.235	.242	.252
40/15 southern spinning.....dolls. per lb.....	.336	.352	.352	.353	.369	.382	.390	.390	.390	.405	.413	.420	.435
Drugs and pharmaceuticals.....rel. to Aug., 1914.....	157	157	157	157	160	174	175	175	175	175	176	176	176
Drugs, crude.....rel. to Aug., 1914.....	118	118	128	130	131	130	131	133	137	137	137	139	143
Essential oils.....rel. to Aug., 1914.....	76	77	77	79	82	81	80	81	85	87	90	91	97
Flaxseed, No. 1, Minneapolis.....dolls. per bu.....	1.41	1.64	1.48	1.55	1.57	1.58	1.56	1.57	1.61	1.65	1.80	1.90	2.00
Flour, sec under wheat flour.....													
Food, wholesale, see under individual items.....													
Food, retail (Dept. of Labor).....rel. to 1913.....	119.7	119.0	118.3	121.0	124.0	126.4	127.0	132.8	137.2	141.4	144.4	145.6	143.7
Hides:													
Green salted, packers' heavy native steers.....dolls. per lb.....	.113	.120	.100	.085	.092	.090	.073	.095	.107	.118	.133	.146	.136
Calfskins, country, No. 1.....dolls. per lb.....	.129	.139	.129	.129	.135	.128	.117	.125	.144	.156	.172	.165	.161

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
WHOLESALE PRICES—Continued													
Hosiery.....rel. to 1926.....	48.6	48.6	48.6	50.8	50.8	51.9	51.9	51.9	58.3	58.3	60.5	62.6	64.8
Iron and steel, metals and metal products.....rel. to 1926.....	87.1	87.5	87.4	87.8	88.7	89.0	88.9	89.3	90.0	90.2	90.4	91.8	92.7
Iron, raw:													
Basic (valley furnace).....dolls. per long ton.....	15.50	15.50	15.50	16.25	16.50	16.50	16.75	17.00	17.00	17.00	17.00	17.60	18.00
Basic (valley furnace).....rel. to 1926.....	83.6	83.6	83.6	87.6	89.0	89.0	90.3	91.7	91.7	91.7	91.7	94.9	97.0
Composite pig iron.....dolls. per long ton.....	16.33	16.33	16.40	16.64	16.75	16.72	16.82	16.94	17.01	17.14	17.30	17.79	17.99
Foundry No. 2, northern.....dolls. per long ton.....	18.76	18.76	18.76	18.76	18.76	18.26	18.51	18.76	18.76	18.76	18.89	19.56	19.76
Foundry No. 2, northern.....rel. to 1926.....	91.0	91.0	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.6	94.9	95.8
Lard, prime contract, New York.....dolls. per lb.....	.075	.082	.083	.082	.090	.094	.085	.090	.100	.112	.119	.119	.114
Lead, pig, desilverized, New York.....dolls. per lb.....	.0440	.0440	.0392	.0382	.0441	.0453	.0455	.0480	.0510	.0510	.0515	.0550	.0549
Lead, pig, desilverized, New York.....rel. to 1926.....	52.3	52.3	46.6	45.4	52.4	53.8	54.0	57.0	60.6	60.6	61.2	65.3	65.2
Leather, composite, wholesale price.....rel. to 1926.....	90.3	89.8	87.8	88.1	88.4	88.4	89.0	90.8	91.5	93.3	96.7	98.2	99.9
Leather, sole and belting, oak, and scoured backs.....dolls. per lb.....	.40	.37	.37	.37	.37	.37	.37	.38	.40	.41	.41	.44	.46
Leather, sole and belting, oak, and scoured backs.....rel. to 1926.....	91.3	84.4	84.4	84.4	84.4	84.4	83.3	86.7	91.3	93.5	93.5	100.4	104.9
Leather, upper, composite, chrome, calf black, "B" grade.....dolls. per sq. ft.....	.348	.350	.352	.356	.356	.352	.354	.359	.355	.367	.372	.372	.371
Leather, hides (see under hides).													
Leather, shoes (see under shoes).													
Linseed oil, New York.....dolls. per lb.....	.083	.091	.086	.088	.092	.095	.092	.088	.092	.094	.099	.105	.131
Lumber:													
Composite, wholesale price.....rel. to 1926.....	66.0	66.3	67.8	68.4	73.3	74.2	73.2	76.0	78.1	80.1	80.2	80.8	81.1
Douglas fir, No. 1, common.....dolls. per M ft. b. m.....	10.97	10.64	11.25	11.64	12.12	12.68	12.86	12.82	12.99	13.25	12.98	13.14	13.44
Douglas fir, flooring, 1 x 4, "B" and better (V. G. Washington).....dolls. per M ft. b. m.....	25.29	25.76	25.98	28.33	29.74	31.14	31.65	31.33	31.73	33.40	33.77	34.58	35.65
Southern yellow pine.....dolls. per M ft. b. m.....	27.68	27.82	28.15	28.82	28.32	29.66	28.42	30.73	32.51	33.44	34.01	33.48	31.72
Southern yellow pine.....rel. to 1926.....	61.4	61.7	62.4	63.9	62.8	65.8	63.0	68.1	72.1	74.1	75.4	74.2	70.3
Meats:													
Beef, fresh, carcass, good native steers, Chicago.....dolls. per lb.....	.144	.129	.129	.143	.160	.169	.178	.195	.195	.195	.195	.191	.168
Beef, fresh, carcass, good native steers, Chicago.....rel. to 1926.....	87.9	78.6	78.8	86.8	97.1	102.8	108.1	118.8	118.8	118.8	118.8	116.1	102.4
Beef, fresh, carcass, steers, New York.....dolls. per lb.....	.153	.145	.145	.155	.172	.189	.196	.205	.205	.205	.205	.203	.173
Beef, fresh, carcass, steers, New York.....rel. to 1926.....	92.3	84.9	84.9	90.8	100.8	105.4	115.0	120.1	120.1	120.1	120.1	118.6	101.1
Cattle, corn-fed, Chicago.....dolls. per 100 lbs.....	8.620	7.250	7.320	7.675	8.563	9.075	9.106	10.00	10.58	10.31	9.97	10.33	9.14
Cattle, corn-fed, Chicago.....rel. to 1926.....	90.5	76.1	76.8	80.5	89.9	95.2	95.6	105.0	111.0	108.2	104.6	108.4	95.9
Hogs, heavy, Chicago.....dolls. per 100 lbs.....	6.35	6.24	6.39	6.40	7.08	7.18	6.73	7.34	7.94	8.86	9.86	10.58	9.78
Hogs, heavy, Chicago.....rel. to 1926.....	51.4	50.6	51.8	51.9	57.4	58.2	54.5	59.5	64.3	71.8	79.9	85.8	79.2
Sheep, ewes, Chicago.....dolls. per cwt.....	1.98	2.56	1.55	2.44	3.29	3.79	3.69	3.44	2.93	3.38	3.84	3.08	3.09
Sheep, ewes, Chicago.....rel. to 1926.....	30.0	38.9	23.5	37.0	50.0	57.5	55.9	52.1	44.4	51.2	43.1	46.6	46.9
Sheep, lambs, Chicago.....dolls. per lb.....	5.95	6.06	6.98	8.36	8.76	8.27	8.31	7.93	7.40	7.13	7.03	7.35	7.72
Sheep, lambs, Chicago.....rel. to 1926.....	43.4	44.2	50.9	61.0	64.0	60.4	60.7	58.3	54.0	52.0	51.3	53.6	56.3
Pork, hams, smoked, Chicago.....dolls. per lb.....	.185	.173	.174	.182	.184	.187	.195	.207	.215	.222	.221	.221	.229
Pork, hams, smoked, Chicago.....rel. to 1926.....	60.1	56.1	56.6	59.2	59.7	60.7	63.5	67.1	69.2	72.1	71.7	73.8	74.4
Western dressed steers, New York.....dolls. per lb.....	.158	.145	.145	.155	.172	.180	.193	.205	.205	.205	.205	.203	.173
Methanol:													
Refined.....dolls. per gal.....	.35	.35	.35	.35	.35	.40	.40	.40	.40	.40	.40	.40	.40
Milk, condensed, New York.....dolls. per case.....	5.00	5.65	5.65	5.65	5.65	5.65	5.79	6.03	6.03	6.03	6.03	6.03	6.03
Milk, evaporated.....dolls. per case.....	3.00	3.10	3.20	3.30	3.50	3.50	3.50	3.75	3.80	3.80	3.80	3.80	3.80
Nonferrous metals.....rel. to 1926.....	58.0	59.4	58.9	60.6	65.1	67.1	66.1	67.4	69.7	68.4	67.8	71.2	72.7
Oats:													
No. 3, white, Chicago.....dolls. per bu.....	.21	.23	.27	.28	.30	.31	.32	.32	.34	.33	.36	.38	.39
No. 3, white, Chicago.....rel. to 1926.....	51.2	56.1	65.9	68.3	73.2	75.6	78.0	78.0	82.9	80.5	87.8	92.7	95.1
Oils and fats.....rel. to 1927.....	62	68	64	68	72	71	68	71	73	73	74	78	87
Oleomargarine, standard, uncolored, Chicago.....dolls. per lb.....	.105	.106	.110	.128	.145	.145	.155	.177	.190	.205	.205	.205	.205
Oleomargarine, standard, uncolored, Chicago.....rel. to 1926.....	46.0	46.5	48.2	55.9	63.5	63.5	67.9	77.6	83.3	89.8	89.8	89.8	89.8
Paper, newsprint roll, delivered, New York.....dolls. per 100 lbs.....						3.10	3.10	3.10	3.10	3.25	3.25	3.25	3.25
Paper, newsprint roll, delivered, New York.....rel. to 1926.....						89.9	89.9	89.9	89.9	94.2	94.2	94.2	94.2
Petroleum:													
Crude, Kansas-Oklahoma.....dolls. per bbl.....	.434	.238	.300	.530	.530	.594	.850	.850	.850	.850	1.098	1.178	1.178
Crude, Kansas-Oklahoma.....rel. to 1926.....	23.0	12.6	15.9	28.1	28.1	31.5	45.1	45.1	45.1	45.1	58.3	62.5	62.5
Gas and fuel oils, Oklahoma 24-28, refined.....dolls. per bbl.....	.280		.385	.463	.488	.510	.588	.600	.610	.650	.594	.580	.600
Gasoline, New York.....dolls. per gal.....	.133	.133	.133	.133	.133	.133	.138	.135	.141	.141	.143	.148	.163
Kerosene, 150° water white.....dolls. per gal.....	.038	.038	.042	.045	.048	.061	.053	.054	.054	.053	.054	.053	.050
Lubricating oil, cylinder.....dolls. per gal.....					.145	.145	.146	.165	.172	.184	.186	.190	.193
Pig iron, foundry No. 2, Pittsburgh.....dolls. per long ton.....	18.76	18.76	18.76	18.76	18.76	18.26	18.51	18.76	18.76	18.76	18.89	19.56	19.76
Pig iron, foundry No. 2, Pittsburgh.....rel. to 1926.....	91.0	91.0	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.6	94.9	95.8
Potatoes.....dolls. per bu.....	.767	.825	.753	.870	.908	.849	.867	.903	.898	.950	1.017	1.099	1.088
Potatoes.....rel. to 1926.....	41	44	41	47	49	46	47	49	48	51	55	59	59
Rayon, 150 denier "A" grade, New York.....dolls. per lb.....	.75	.75	.75	.75	.75	.75	.75	.75	.95	.95	.95	.95	.95
Rosin, gum, New York.....dolls. per bbl.....	3.94	4.28	4.68	4.70	4.73	4.64	4.38	4.45	4.95	5.29	5.54	5.80	5.39
Rubber, crude, smoked sheets, New York.....dolls. per lb.....		.063	.063	.064	.064	.077	.076	.082	.089	.089	.084	.080	.100
Rubber, crude, smoked sheets, New York.....rel. to 1926.....		13.0	13.0	13.2	13.2	15.9	15.7	16.9	18.4	18.4	17.3	16.5	20.6
Rye, No. 2, Minneapolis.....dolls. per bu.....	.38	.37	.37	.36	.35	.36	.37	.38	.44	.43	.49	.55	.60
Rye, No. 2, Minneapolis.....rel. to 1926.....	41.3	40.2	40.2	39.1	38.0	39.1	40.2	41.3	47.8	46.7	53.3	59.8	65.2
Sheep, ewes, Chicago.....dolls. per 100 lbs.....	1.98	2.56	1.55	2.44	3.29	3.79	3.69	3.44	2.93	3.38	3.84	3.08	3.09
Sheep, ewes, Chicago.....rel. to 1926.....	30.0	38.9	23.5	37.0	50.0	57.5	55.9	52.1	44.4	51.2	43.1	46.6	46.9
Sheep, lambs, Chicago.....dolls. per 100 lbs.....	5.95	6.06	6.98	8.36	8.76	8.27	8.31	7.93	7.40	7.13	7.03	7.35	7.72

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
WHOLESALE PRICES—Continued													
Shoes, men's black calf blucher, Boston.....dolls. per pair..	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75
Shoes, men's dress welt, tan calf, oxford, St. Louis.....dolls. per pair..	4.35	4.35	4.49	4.60	4.60	4.60	4.60	4.60	4.72	4.85	4.85	4.85	4.85
Shoes, women's black kid, McKay sewed.....dolls. per pair..	3.150	3.150	3.250	3.250	3.250	3.250	3.250	3.250	3.450	3.550	3.550	3.550	3.550
Silk, raw, Japanese, 13-15, New York.....dolls. per lb..	2.512	2.364	2.463	2.265	2.266	2.561	2.709	2.807	2.709	2.463	2.512	2.413	2.955
Silk goods, composite.....dolls. per yd..	.98	.98	.99	.99	.99	.99	1.00	1.02	1.02	1.02	1.02	1.04	1.06
Steel beams, mill, Pittsburgh.....dolls. per cwt..	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60	1.65
Steel beams, mill, Pittsburgh.....rel. to 1926..	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7	84.3
Steel, crude:													
Composite, finished steel.....dolls. per 100 lbs..	2.19	2.20	2.19	2.21	2.22	2.23	2.22	2.22	2.19	2.20	2.22	2.24	2.26
Iron and steel, composite.....dolls. per long ton..	31.05	31.05	31.02	31.39	31.61	31.66	31.65	31.70	31.76	31.95	32.31	32.67	33.01
Steel billets, Bessemer.....dolls. per long ton..	29.00	29.00	29.00	29.50	30.00	30.00	30.00	30.00	30.60	31.00	31.00	31.00	31.00
Steel billets, Bessemer.....rel. to 1926..	82.9	82.9	82.9	84.3	85.7	85.7	85.7	85.7	87.4	88.6	88.6	88.6	88.6
Steel scrap, Chicago.....dolls. per gross ton..	8.375	8.750	8.750	8.875	9.813	10.000	10.063	10.219	10.000	10.125	11.375	12.500	12.125
Structural steel beams.....dolls. per 100 lbs..	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60	1.65
Structural steel beams.....rel. to 1926..	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7	84.3
Sulphuric acid.....dolls. per ton..	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50	15.50
Sugar:													
Retail average, 51 cities.....rel. to 1913..	104	102	102	102	104	106	107	107	107	107	106	107	111
Retail granulated, New York.....dolls. per lb..	.053	.051	.050	.050	.050	.051	.053	.053	.053	.053	.053	.054	.054
Wholesale, 96° centrif., New York.....dolls. per lb..	.035	.035	.033	.032	.033	.033	.033	.034	.033	.034	.033	.031	.032
Wholesale, 96° centrif., New York.....rel. to 1926..	80.0	80.4	76.5	73.5	75.6	75.8	76.3	77.9	75.8	78.8	76.3	72.1	73.0
Wholesale, granulated, New York.....dolls. per lb..	.046	.046	.044	.043	.044	.043	.045	.046	.046	.047	.044	.043	.044
Wholesale, granulated, New York.....rel. to 1926..	84.1	84.1	80.3	78.3	80.1	79.2	81.4	83.4	83.2	85.0	80.8	79.2	80.3
Tea, Formosa fine, New York.....dolls. per lb..	.225	.225	.225	.225	.225	.225	.225	.225	.225	.225	.223	.224	.290
Textiles, general.....rel. to 1926..	64.2	65.4	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.8	75.5	77.7
Tin, wholesale, straits, New York.....dolls. per lb..	.2575	.2502	.2341	.2320	.2512	.2707	.2631	.2610	.2527	.2589	.2686	.2964	.3002
Turpentine gum, New York.....dolls. per gal..	.36	.39	.55	.54	.56	.53	.45	.44	.42	.43	.41	.44	.41
Wheat:													
No. 1, northern spring, Minneapolis.....dolls. per bu..	.65	.61	.74	.81	.79	.76	.75	.76	.77	.75	.82	.87	.91
No. 1, northern spring, Minneapolis.....rel. to 1926..	41.1	38.6	46.8	51.3	50.0	48.1	47.5	48.1	48.7	47.5	51.9	55.1	57.6
No. 2, red winter, St. Louis.....dolls. per bu..	.47	.48	.72	.79	.80	.78	.79	.78	.83	.83	.87	.88	.89
No. 2, red winter, St. Louis.....rel. to 1926..	30.3	31.0	46.5	51.0	51.6	50.3	51.0	50.3	53.5	53.5	56.1	56.8	57.4
No. 2, hard winter, Kansas City.....dolls. per bu..	.43	.44	.68	.73	.73	.70	.69	.69	.71	.69	.74	.78	.81
No. 2, hard winter, Kansas City.....rel. to 1926..	28.9	29.5	45.6	49.0	49.0	47.0	46.3	46.3	47.7	46.3	49.7	52.3	54.4
Wheat flour:													
Standard patents, Minneapolis.....dolls. per bbl..	4.21	4.13	4.75	4.85	4.71	4.67	4.85	4.96	4.89	4.69	4.98	5.08	5.34
Standard patents, Minneapolis.....rel. to 1926..	49.9	49.0	56.3	57.6	55.9	55.4	57.6	58.9	58.0	55.7	59.1	60.3	63.4
Winter straights, Kansas City.....dolls. per bbl..	2.96	3.84	4.12	4.14	4.02	4.00	4.06	4.09	4.03	4.14	4.23	4.44	4.56
Winter straights, Kansas City.....rel. to 1926..	40.8	47.8	56.8	57.1	55.4	55.2	56.0	56.3	55.6	57.1	58.3	61.3	62.8
Wool:													
Raw, territory, fine, scoured.....dolls. per lb..	.63	.62	.62	.63	.65	.66	.66	.68	.72	.72	.75	.76	.76
Raw, Ohio and Pennsylvania, fleeces, 1/4 blood, combing grease.....dolls. per lb..	.23	.21	.20	.20	.22	.22	.23	.26	.27	.29	.30	.31	.31
Suiting, 13 oz.....dolls. per yd..	1.400	1.494	1.494	1.494	1.494	1.543	1.601	1.601	1.601	1.601	1.601	1.601	1.601
Suiting, 13 oz.....rel. to 1926..	74.5	74.5	74.5	74.5	74.5	77.0	79.8	79.8	79.8	79.8	79.8	79.8	79.8
Women's dress goods, French serge, 54-in., at factory.....dolls. per yd..	.925	.925	.925	.925	.968	1.050	1.050	1.050	1.050	1.050	1.093	1.100	1.100
Women's dress goods, French serge, 54-in., at factory.....rel. to 1926..	74.0	74.0	74.0	74.0	77.4	84.0	84.0	84.0	84.0	84.0	87.3	88.0	88.0
Worsted yarns.....dolls. per lb..	1.09	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.17	1.20	1.20	1.20	1.20
Worsted yarns.....rel. to 1926..	69.7	69.7	69.7	69.7	69.7	69.7	76.6	76.6	81.8	83.6	83.6	83.6	83.6
Zinc, prime western.....dolls. per lb..	.0382	.0389	.0342	.0331	.0372	.0400	.0401	.0404	.0410	.0427	.0406	.0427	.0436
FARM PRICES													
Cotton and cottonseed (2).....rel. to 1909-14..	53	71	65	74	78	80	76	72	73	80	76	83	94
Dairy and poultry products (4).....rel. to 1909-14..	89	84	85	87	96	99	95	108	120	130	126	123	115
Fruits and vegetables (9).....rel. to 1909-14..	57	110	114	119	120	109	109	108	108	114	127	148	149
Grains (6).....rel. to 1909-14..	54	67	67	74	74	74	75	77	80	80	92	100	101
Meat animals (5).....rel. to 1909-14..	92	92	91	99	106	106	103	112	112	115	123	128	119
Unclassified (5).....rel. to 1909-14..	60	53	59	62	63	65	67	69	70	73	70	67	70
All groups (31).....rel. to 1909-14..	75	79	80	86	91	91	90	94	97	103	106	111	108
RETAIL PRICES													
Retail food index (Dept. of Labor).....rel. to 1913..	119.7	119.0	118.3	121.0	124.0	126.4	127.0	132.8	137.2	141.4	144.4	145.6	143.7
Retail coal index (Dept. of Labor).....rel. to 1913..	186.1	184.3	180.3	179.4	181.8	187.7	187.6	188.1	188.1	188.0	187.9	187.0	184.1
AUTOMOBILES													
Production index (Fed. Res. Bd.).....rel. to 1923-25..	53	60	65	77	77	67	68	63	85	74	49	62	62
Production index (elect. energy consumed).....rel. to 1923-25..	43.6	55.9	71.3	80.7	90.8	94.1	88.9	67.5	71.5	74.9	80.9	88.4	86.6
Passenger cars and trucks:													
Production, actual—													
Canada—													
Total.....no. of cars..	4,544	4,220	6,835	12,738	17,159	12,993	9,871	6,496	5,622	5,407	4,541	7,957	9,792
Passenger cars.....no. of cars..	3,426	3,151	5,583	10,621	14,043	10,453	7,529	4,552	4,225	3,527	3,206	5,623	6,946
Trucks.....no. of cars..	1,118	1,069	1,252	2,117	3,116	2,540	2,342	1,944	1,397	1,880	1,335	2,334	2,846
United States—													
Total.....no. of cars..	187,197	*218,490	*250,640	317,163	336,939	276,405	219,940	171,848	155,701	136,754	154,401	220,649	224,368
Passenger cars.....no. of cars..	155,321	*183,993	*210,016	271,135	286,252	230,834	179,890	137,805	120,833	100,532	113,226	175,496	183,532
Taxis.....no. of cars..	104	180	360	340	665	410	529	512	1,425	609	582	830	386
Trucks.....no. of cars..	31,772	*34,317	*40,264	45,688	50,022	45,161	39,521	33,531	33,443	35,613	40,593	44,223	40,450

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
AUTOMOBILES—Continued													
Electric industrial trucks and tractors:													
Shipments—													
Domestic.....number	37	63	50	69	48	84	50	33	42	37	91	77	82
Exports.....number	13	15	25	0	23	9	6	5	9	9	3	6	11
Exports (assembled):													
From Canada—													
Total.....no. of cars	740	934	1,021	1,512	1,172	1,853	1,565	3,054	3,645	2,588	2,868	6,641	3,922
Passenger cars.....no. of cars	542	644	789	1,083	763	1,327	881	1,798	2,193	1,260	2,063	4,293	2,552
Trucks.....no. of cars	198	290	232	429	409	526	684	1,256	1,452	1,328	865	2,348	1,370
From United States—													
Total.....no. of cars	8,055	9,996	10,183	12,966	16,727	17,528	13,374	12,838	14,198	12,073	11,215	13,437	13,274
Passenger cars.....no. of cars	5,699	6,478	5,843	8,468	11,228	11,529	9,187	8,304	9,096	6,039	7,136	8,125	7,956
Trucks.....no. of cars	2,356	3,518	4,340	4,498	5,499	6,002	4,187	4,534	5,102	6,039	4,079	5,312	5,318
Financing:													
United States—													
Wholesale dealers.....thous. of dolls.	43,746	48,859	58,178	72,630	71,194	63,090	49,813	40,165	35,550	29,633	35,878	45,311	45,315
Total consumers.....thous. of dolls.	78,830	95,953	104,698	109,426	113,045	92,055	60,181	61,734	65,967	60,197	81,256	90,297	102,781
New cars.....thous. of dolls.	46,504	59,307	63,566	68,571	70,561	55,036	36,865	32,957	35,342	31,805	45,632	52,820	62,989
Used cars.....thous. of dolls.	30,080	34,136	37,999	37,793	39,564	34,704	27,722	27,245	28,838	28,842	33,755	35,210	37,118
Unclassified.....thous. of dolls.	2,246	2,509	3,133	3,062	2,920	2,315	1,593	1,532	1,787	1,550	1,869	2,267	2,674
Canada—													
Total new and used cars and trucks.....thous. of dolls.	2,903	4,196	4,918	6,317	6,254	3,543	2,361	2,197	2,954	3,038	3,792	4,272	4,923
New cars and trucks.....thous. of dolls.	1,417	2,102	2,445	3,440	3,376	1,890	921	910	613	817	1,289	1,755	2,004
Used cars.....thous. of dolls.	1,485	2,094	2,474	2,877	2,878	1,653	1,440	1,287	2,341	2,221	2,504	2,517	2,919
New passenger-car, registrations													
.....no. of cars		194,322	201,911	247,727	265,732	200,841	134,133	126,786	96,054	93,066	150,219	175,286	203,737
Sales (General Motors Corp.):													
Total to consumers, U. S.....no. of cars	69,876	85,054	103,303	122,717	135,663	101,339	68,976	61,566	57,969	41,757	57,757	75,805	42,686
Total to dealers, U. S.....no. of cars	62,667	78,723	100,270	136,778	132,629	98,943	80,373	76,681	68,232	48,155	62,924	69,901	76,940
Total to dealers, including Canadian and overseas.....no. of cars	70,078	87,449	111,668	153,730	154,252	119,195	96,003	89,349	80,008	57,257	28,253	78,792	85,610
Fire-extinguishing equipment:													
Shipments—													
Motor vehicles.....number	81	72	90	75	72	76	69	56	113	71	96	86	118
Hand types.....number	26,334	29,895	29,696	31,117	32,538	34,248	29,280	27,713	34,295	29,213	36,303	37,482	34,938
Accessories and parts, shipments:													
Accessories.....rel. to Jan., 1925	66	57	61	61	66	65	53	46	55	63	79	76	60
Original equipment.....rel. to Jan., 1925	70	79	91	129	127	117	95	84	64	62	75	79	87
Replacement parts.....rel. to Jan., 1925	127	124	122	128	127	110	99	98	100	127	140	139	132
Service parts.....rel. to Jan., 1925	79	85	102	117	118	115	97	92	75	80	99	105	104
Rim production.....thous. of rims	924	813	1,085	1,508	1,718	1,425	1,011	681	567	920	864	1,052	1,504
CHEMICALS AND ALLIED PRODUCTS													
Production index (Fed. Res. Bd.)													
petroleum refining.....rel. to 1923-25		162	161	163	161	152	149	144	149	151	160	165	164
consumed.....rel. to 1923-25	137.6	137.7	132.7	133.8	137.4	139.3	146.6	132.0	133.5	145.0	122.4	147.1	135.7
Prices, wholesale.....rel. to 1926	75.5	77.3	77.9	79.1	80.1	81.9	82.2	83.6	84.8	85.2	86.0	86.6	87.3
Stocks, manufactured goods, end of month	119.0	119.2	123.3	129.3	129.0	132.0	130.7	128.8	123.9	124.2	125.2	121.3	117.3
Stocks, raw material, end of month.....rel. to 1923-25	88.0	86.7	87.9	88.4	91.5	96.5	103.2	107.7	124.2	128.5	132.7	120.0	98.1
Chemicals													
Acetate of lime:													
Production.....thous. of lbs.		840	1,853	2,953	4,400	7,452	7,073	8,023	7,357	6,535	5,871	5,896	3,523
Shipments.....thous. of lbs.		4,654	3,856	4,674	5,160	4,465	3,468	5,195	5,375	9,128	7,922	3,339	2,447
Stocks, end of month.....thous. of lbs.		20,389	24,203	26,206	27,927	28,687	25,701	22,095	19,266	20,285	22,878	24,928	22,372
Price, wholesale.....dolls. per cwt.	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.42	3.00	3.00
Arsenic, crude:													
Production.....short tons	2,594	1,036	1,407	1,491	1,402	1,957	1,494	2,803	1,483	2,392	2,694	2,077	1,217
Stocks, end of month.....short tons	4,977	3,972	4,280	4,768	5,265	5,478	5,862	6,486	5,767	5,937	5,125	4,026	3,254
Arsenic refined:													
Production.....short tons	1,238	997	1,024	1,044	964	1,506	1,409	1,570	1,439	1,508	1,265	1,101	1,002
Stocks, end of month.....short tons	2,616	2,440	2,201	2,012	1,950	2,181	2,449	2,419	2,221	2,010	1,813	1,930	1,525
Ethyl alcohol:													
Production.....thous. of gals.	12,363	11,975		13,120	11,162	11,929	8,859	11,869	17,770	20,861	18,455	14,299	12,890
Warehouse stocks, end of month.....thous. of gals.	17,024	14,888		14,711	13,074	11,633	11,008	9,442	6,858	8,304	8,898	10,010	9,317
Withdrawn for denaturization.....thous. of gals.	11,637	10,436		10,288	10,541	8,795	6,296	8,081	19,134	20,070	18,537	12,615	11,777
Methanol, crude:													
Production.....gallons	154,473	182,273	247,808	322,049	483,222	465,728	522,656	469,312	424,736	372,939	288,876	241,718	241,718
Stocks at crude plants, end of month.....gallons	452,489	526,543	494,192	520,865	415,489	395,855	302,320	244,763	215,443	331,729	513,239	474,431	474,431
Stocks at refineries and in transit.....gallons	157,094	98,000	130,207	36,176	105,238	121,522	89,740	63,805	59,197	59,236	168,166	79,380	79,380
Exports.....gallons	42,300	61,240	59,590	52,048	54,857	30,146	18,295	45,139	90,111	40,814	100,479	82,168	157,037
Menthanol, refined:													
Price, wholesale, New York.....dolls. per gal.	.35	.35	.35	.35	.35	.40	.40	.40	.40	.40	.40	.40	.40
Production.....gallons	91,696	107,331	118,052	211,073	253,494	223,144	306,373	382,547	431,179	575,711	364,505	374,521	374,521
Shipments.....gallons	122,846	110,454	257,707	141,801	199,500	221,279	167,309	372,852	477,020	541,807	440,514	463,215	463,215
Stocks, end of month.....gallons	395,322	426,472	429,595	569,250	499,978	445,984	444,119	305,055	294,860	340,710	306,806	382,815	382,815
Price index numbers:													
Crude drugs.....rel. to Aug., 1914	118	118	128	130	131	130	131	133	137	137	137	139	143
Essential oils.....rel. to Aug., 1914	76	77	77	79	82	81	80	81	85	87	90	91	97
Drugs and pharmaceuticals.....rel. to Aug., 1914	157	157	157	157	160	174	175	175	175	175	176	176	176
Chemicals.....rel. to 1927	86	88	88	89	90	90	89	90	93	94	94	94	94
Oils and fats.....rel. to 1927	62	68	64	68	72	71	68	71	73	73	74	78	87
Plastic paints, cold-water paints, and calcimines:													
Sales of—													
Plastic paints.....thous. of dolls.		51	75	109	91	116	104	83	65	77	106	96	98
Calcimines.....thous. of dolls.		127	141	165	162	175	122	96	100	105	169	151	141
Cold-water paints.....thous. of dolls.		83	86	106	104	90	71	60	64	45	81	78	88
Paint, varnish, and lacquer products:													
Total sales (315 establishments).....thous. of dolls.		15,188	19,126	22,600	21,689	17,972	14,269	13,586	11,600	13,821	17,986	18,541	18,562
Trade sales.....thous. of dolls.		8,844	12,011	14,430	13,477	10,401	7,844	7,399	6,171	7,649	10,141	10,552	10,629
Industrial sales.....thous. of dolls.		6,269	7,031	8,071	7,999	7,451	6,282	6,047	5,289	6,025	7,615	7,743	8,034
Unclassified sales.....thous. of dolls.		76	84	100	213	81	144	141	140	147	230	246	268

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
CHEMICALS AND ALLIED PRODUCTS—Continued													
Chemicals—Continued													
Sulphuric acid:													
Production..... short tons.....		87,464	84,051	97,729	112,208	141,773	155,603	164,399	181,301	183,735	192,187	169,534	172,667
Purchases—													
From fertilizer manufacturers..... short tons.....		14,489	23,685	25,162	15,424								
From nonfertilizer manufacturers..... short tons.....		20,462	18,399	14,601	15,164	24,474	34,594	57,374	48,956	40,227	35,602	30,543	27,457
Exports..... thous. of lbs.....	64,620	372,945	250,775	403,298	310,950	200,218	376,076	304,745	438,836	308,992	703,787	465,766	176,023
Price, wholesale 66°..... dols. per ton.....	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.500	15.000
Wood at chemical plants:													
Consumption..... cords.....		14,364	19,363	24,444	31,458	45,607	44,933	51,390	46,814	42,888	37,913	31,048	27,451
Stocks at end of month..... cords.....		326,990	338,821	335,809	379,562	370,449	397,788	393,770	448,067	478,962	455,597	481,268	473,415
Daily capacity—													
All plants..... cords.....		2,505	2,505	2,505	2,505	2,499	2,499	2,499	2,519	2,519	2,519	2,535	2,535
Plants shut down..... cords.....		1,335	1,008	752	632	388	400	368	412	560	659	1,180	1,260
Cottonseed													
Cottonseed:													
Consumption (crush)..... short tons.....	59,148	19,739	44,164	87,014	155,373	280,637	401,736	589,911	689,264	801,800	936,743	561,625	² 164,339
Receipts at mills..... thous. of short tons.....	95	13	32	37	44	111	158	219	578	803	1,323	1,041	² 335
Stocks at mills, end of month..... thous. of short tons.....	60	26	33	45	95	207	377	620	691	1,033	1,081	695	² 216
Cottonseed cake and meal:													
Exports..... short tons.....	3,590	1,304	225	797	6,588	5,750	3,147	11,084	7,538	1,580	4,361	2,092	175
Production..... short tons.....	28,206	8,567	23,144	43,350	75,921	135,141	190,314	270,965	305,019	360,943	421,293	251,128	² 76,058
Stocks, end of month..... short tons.....	106,358	150,291	192,136	223,084	253,609	303,945	363,201	343,665	298,139	252,323	202,156	116,396	² 43,973
Cottonseed oil, crude:													
Production..... thous. of lbs.....	17,196	6,918	14,726	28,619	52,469	89,794	124,392	181,221	201,621	239,913	253,929	169,458	² 48,834
Stocks, end of month..... thous. of lbs.....	12,065	8,591	13,919	32,819	43,048	69,878	104,910	127,739	114,248	114,595	110,829	79,280	² 25,583
Cottonseed oil, refined:													
Factory consumption—													
Total (quarterly)..... thous. of lbs.....			² 242,191			² 276,906			² 328,614			² 328,480	
In oleomargarine..... thous. of lbs.....		876	1,012	1,200	1,447	1,621	1,465	1,875	2,178	2,091	2,505	2,151	2,966
Price, yellow, prime, New York..... dols. per lb.....	.059	.069	.068	.069	.076	.076	.073	.073	.072	.076	.076	.081	.084
Production..... thous. of lbs.....	11,968	16,268	30,398	36,470	76,852	115,302	130,556	² 150,998	188,823	215,405	232,179	102,460	² 27,145
Stocks, end of month..... thous. of lbs.....	212,371	277,922	348,438	406,237	462,881	494,503	² 494,882	461,776	428,609	350,260	254,571	174,208	² 200,763
Explosives													
Explosives, black powder, permissible and other high explosives:													
New orders..... thous. of lbs.....		25,058	26,719	26,441	28,721	26,730	25,448	26,714	24,404	28,847	34,324	33,173	32,687
Production..... thous. of lbs.....		25,068	25,981	26,960	27,647	25,414	28,751	24,056	24,024	30,248	34,113	35,688	31,168
Shipments..... thous. of lbs.....		25,150	26,611	27,379	28,000	26,598	27,543	25,201	22,974	30,229	34,198	35,069	32,289
Stocks, end of month..... thous. of lbs.....		20,304	20,404	21,115	20,639	20,929	20,219	17,372	17,303	16,346	16,812	16,694	16,043
Fats and Oils													
Animal fats (quarterly):													
Factory consumption..... thous. of lbs.....			² 166,069			² 154,951			² 154,560			² 144,182	
Production..... thous. of lbs.....			² 559,888			² 618,459			² 515,794			² 463,049	
Stocks, end of quarter..... thous. of lbs.....			² 276,983			² 224,398			² 191,906			² 189,726	
Animal glues:													
Production (quarterly)..... thous. of lbs.....			² 23,380			² 23,345			² 23,515			² 21,715	
Shipments..... thous. of lbs.....			² 57,326			² 53,772			² 49,951	4,565	5,891	4,885	4,598
Stocks, end of quarter..... thous. of lbs.....												² 44,380	
Coconut or copra oil:													
Factory consumption—													
Crude (quarterly)..... thous. of lbs.....			² 139,128			² 138,255			² 159,546			² 150,751	
Refined.....													
Total (quarterly)..... thous. of lbs.....			² 78,348			² 75,479			² 90,307			² 81,632	
In oleomargarine..... thous. of lbs.....		6,169	7,105	8,466	11,329	12,086	11,492	14,873	16,491	17,111	18,248	15,818	11,479
Imports..... thous. of lbs.....	18,228	34,845	31,000	15,970	26,862	27,550	44,034	24,690	30,952	20,477	43,124	14,846	19,331
Production (quarterly).....													
Crude..... thous. of lbs.....			² 81,899			² 91,446			² 90,921			² 87,554	
Refined..... thous. of lbs.....			² 67,351			² 66,268			² 84,264			² 71,985	
Stocks, end of quarter—													
Crude..... thous. of lbs.....			² 206,123			² 201,932			² 158,846			² 139,432	
Refined..... thous. of lbs.....			² 16,039			² 16,869			² 21,993			² 18,252	
Copra:													
Factory consumption (quarterly)..... short tons.....			² 63,434			² 71,229			² 71,134			² 69,060	
Imports..... short tons.....	20,207	18,012	17,179	17,871	18,927	25,890	33,133	34,056	37,419	33,886	33,725	31,139	16,885
Stocks, end of quarter..... short tons.....			² 17,491			² 27,167			² 41,077			² 24,502	
Edible gelatin:													
Production (quarterly)..... thous. of lbs.....			² 4,384			² 4,549			² 4,434			² 2,079	
Stocks, end of quarter..... thous. of lbs.....			² 8,626			² 8,642			² 8,224			² 7,499	
Fish oils:													
Factory consumption (quarterly)..... thous. of lbs.....			² 54,465			² 44,620			² 42,675			² 36,776	
Production (quarterly)..... thous. of lbs.....			² 4,647			² 11,587			² 25,364			² 55,569	
Stocks, end of quarter..... thous. of lbs.....			² 262,106			² 215,405			² 197,758			² 206,425	
Grasses:													
Factory consumption (quarterly)..... thous. of lbs.....			² 55,715			² 53,346			² 49,494			² 54,870	
Production (quarterly)..... thous. of lbs.....			² 94,985			² 95,948			² 89,338			² 91,841	
Stocks, end of quarter..... thous. of lbs.....			² 83,074			² 79,012			² 77,791			² 69,814	
Lard compounds:													
Production (quarterly)..... thous. of lbs.....			² 278,216			² 291,386			² 331,412			² 317,220	
Stocks, end of quarter..... thous. of lbs.....			² 25,140			² 26,081			² 26,672			² 21,164	
Oleomargarine:													
Consumption..... thous. of lbs.....	16,483	9,289	13,180	15,460	17,150	19,573	19,751	27,237	27,593	30,631	33,138	27,194	24,672
Production..... thous. of lbs.....		11,271	12,636	14,912	19,618	21,154	20,335	25,740	28,969	29,633	32,191	28,554	23,071
Vegetable oils:													
Exports..... thous. of lbs.....	1,025	1,008	1,775	2,356	2,154	3,831	2,947	4,775	2,086	2,294	2,591	1,794	1,317
Factory consumption (quarterly)..... mills. of lbs.....			² 588			² 829			² 1,076			² 554	
Imports..... thous. of lbs.....	63,096	74,285	75,470	72,280	52,463	68,238	79,809	72,142	72,028	75,352	106,699	73,445	87,072
Production (quarterly)..... mills. of lbs.....			² 390			² 674			² 1,007			² 488	
Stocks, end of quarter—													
Crude..... thous. of lbs.....			² 517,909			² 610,812			² 635,271			² 521,194	87,072
Refined..... thous. of lbs.....			² 386,176			² 531,666			² 469,807			² 214,682	

² Revised.² Quarter ended in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
CHEMICALS AND ALLIED PRODUCTS—Continued													
Fertilizer													
Consumption, Southern States.....thous. of short tons.....	40	25	74	195	1,132	1,352	640	343	74	61	95	128	2 45
Exports.....thous. of long tons.....	115	89	59	108	140	104	98	91	72	85	125	119	116
Potash salts, imports.....thous. of long tons.....	35	35	12	14	16	24	19	23	18	13	37	48	48
Nitrate of soda, imports.....thous. of long tons.....	35	19	30	34	67	120	68	46	36	35	27	19	9
Superphosphate (acid phosphate):													
Production.....thous. of short tons.....	143	146	162	195	226	249	326	336	336	303	336	283	296
Shipments.....thous. of short tons.....	63	55	106	407	305	130	103	70	70	78	93	150	65
Stocks, end of month.....thous. of short tons.....	1,158	1,060	996	1,101	1,836	2,287	2,292	2,110	1,877	1,703	1,479	1,527	
Flaxseed													
Flaxseed, imports.....thous. of bu.....	1,339	1,685	1,150	1,496	827	1,313	952	352	219	387	148	59	551
Linseed cake and meal:													
Exports.....thous. of lbs.....	57,736	53,225	39,769	38,172	30,818	39,847	18,238	10,853	33,596	25,986	12,519	8,474	22,593
Shipments from Minneapolis.....thous. of lbs.....	13,972	11,414	7,653	8,452	12,145	17,827	11,046	17,227	16,824	17,315	29,726	27,149	13,398
Linseed oil:													
Factory consumption (quarterly).....thous. of lbs.....			95,544			74,092			68,894			81,005	
Price, New York.....dols. per lb.....	.083	.091	.086	.088	.092	.095	.092	.088	.092	.094	.099	.105	.131
Production (quarterly).....thous. of lbs.....			130,635			118,417			131,257			108,236	
Shipments from Minneapolis.....thous. of lbs.....	5,675	6,285	6,788	11,921	12,792	11,552	9,594	8,553	7,385	10,199	14,792	11,565	6,117
Stocks at factories (quarterly).....thous. of lbs.....			78,200			113,192			113,423			83,943	
Minneapolis and Duluth:													
Receipts.....thous. of bu.....	2,436	378	789	456	309	498	426	491	709	1,424	2,636	5,054	3,266
Shipments.....thous. of bu.....	406	386	501	424	314	185	286	243	517	1,910	1,618	2,045	1,436
Stocks, end of month.....thous. of bu.....	747	675	790	784	973	1,205	1,293	877	1,386	1,411	2,182	1,893	447
Oil mills (quarterly):													
Consumption.....thous. of bu.....			7,205			6,571			7,391			5,887	
Stocks, end of quarter.....thous. of bu.....			1,198			2,345			4,472			3,386	
Price, No. 1, Minneapolis.....dols. per bu.....	1.41	1.64	1.48	1.55	1.57	1.58	1.56	1.57	1.61	1.65	1.80	1.90	2.00
Production, crop estimate.....thous. of bu.....	11,769								21,369				
Naval Stores													
Pine oil:													
Production.....gallons.....	114,205	210,711	231,207	210,012	219,053	208,690	220,066	144,440	229,737	220,979	225,688	229,238	224,546
Stocks, end of month.....thous. of gals.....	1,866	2,000	2,013	1,958	1,903	1,882	1,539	1,769	1,799	1,708	1,610	1,529	1,513
Rosin, gum:													
Net receipts, Southern ports.....bbls.....	129,018	156,810	165,500	120,819	88,741	38,977	27,322	41,345	117,489	107,414	127,621	140,090	151,269
Price, "B," New York.....dols. per bbl.....	3.94	4.28	4.68	4.70	4.73	4.64	4.38	4.45	4.95	5.29	5.54	5.80	5.39
Stocks at 3 ports, end of month.....bbls.....	449,173	439,241	436,480	551,548	310,576	266,056	300,695	329,626	372,060	323,142	303,669	276,565	267,540
Rosin, wood:													
Production.....bbls.....	17,074	28,495	34,747	33,593	35,585	33,544	32,332	24,488	34,332	38,931	34,818	38,293	37,349
Stocks, end of month.....bbls.....	112,295	131,942	126,289	124,830	126,534	125,919	130,490	125,630	122,318	119,727	109,785	117,726	114,281
Turpentine, gum:													
Net receipts, Southern ports.....bbls.....	37,112	53,459	52,345	37,026	26,102	9,511	5,354	7,228	27,482	28,107	38,500	42,873	46,521
Price, New York.....dols. per gal.....	.36	.39	.55	.54	.56	.53	.45	.44	.42	.43	.41	.44	.41
Stocks at port, end of month.....bbls.....	114,421	122,214	101,905	66,248	53,393	45,232	58,202	68,320	84,911	95,860	88,499	76,774	65,024
Turpentine, wood:													
Production.....bbls.....	2,607	4,370	5,675	5,996	6,344	5,740	5,634	4,757	6,200	6,584	5,817	6,573	6,125
Stocks, end of month.....bbls.....	5,358	5,307	4,535	4,727	8,383	9,987	13,537	14,437	15,799	13,895	11,257	11,163	12,772
Roofing													
Prepared roofing, shipments:													
Grit roll.....thous. of sqs.....		532	520	570	533	333	330	322	242	372	922	872	655
Shingles—													
Individual and single thickness.....thous. of sqs.....		127	131	155	146	92	60	51	63	86	191	196	176
Strip, patented, and hexagon.....thous. of sqs.....		485	512	541	555	329	277	249	238	283	572	1,001	692
Smooth roll.....thous. of sqs.....		873	843	965	967	702	714	773	583	742	1,575	1,438	1,021
Total.....thous. of sqs.....		2,017	2,006	2,230	2,202	1,456	1,381	1,395	1,126	1,484	3,259	3,506	2,544
FOODSTUFFS													
Production index:													
Food products (Fed. Res. Bd.).....rel. to 1923-25.....	88	2 88	83	91	96	87	92	93	89	94	94	96	91
Food and kindred products (elect. energy consumed).....rel. to 1923-25.....	146.4	147.0	136.2	126.8	122.0	116.8	122.0	118.3	107.1	2 88.6	2 93.7	2 106.2	2 118.0
Stocks, manufactured foodstuffs.....rel. to 1923-25.....	98.4	2 111.1	2 106.3	2 97.0	2 96.1	2 93.5	2 97.3	2 95.5	2 89.1	200.0	196.9	197.6	183.9
Stocks, raw foodstuffs.....rel. to 1923-25.....	207.6	2 191.5	177.9	189.5	193.7	202.1	197.9	194.8	205.1				
Candy													
Sales by manufacturers.....thous. of dolls.....	15,558	12,176	15,512	15,680	21,608	22,062	21,444	21,948	28,727	29,500	31,004	28,027	19,044
Cocoa													
Shipments from Gold and Nigerian Coasts, Africa.....long tons.....	4,355	7,783	11,870	11,720	33,864	48,353	51,550	39,278	21,756	18,888	12,660	7,554	13,441
Imports.....long tons.....	13,546	17,746	14,892	22,520	20,242	20,942	13,696	16,418	13,700	6,338	7,410	11,008	17,863
Spot price, Accra, New York.....dols. per lb.....	.0525	.0581	.0563	.0494	.0535	.0550	.0563	.0619	.0675	.0688	.0675	.0670	.0775
Coffee													
Clearances:													
Total, Brazil for United States.....thous. of bags.....	592	530	760	643	1,080	849	889	952	881	514	659	852	652
Total, Brazil for world.....thous. of bags.....	1,216	1,161	1,504	1,333	1,863	1,559	1,590	1,647	1,590	1,080	1,176	1,469	1,318
Imports.....thous. of bags.....	884	1,100	1,037	1,415	1,126	1,407	1,289	1,094	1,098	967	1,159	991	712
Price, Rio No. 7, Brazil grades.....dols. per lb.....	.056	.063	.068	.061	.053	.056	.064	.068	.070	.079	.089	.072	.072
Receipts, total Brazil.....thous. of bags.....	1,495	1,462	1,535	1,755	1,550	1,565	1,648	1,697	1,494	1,549	1,437	1,595	1,462
Visible supply:													
United States.....thous. of bags.....	1,592	1,491	2 1,395	1,345	1,088	1,148	1,161	806	929	817	828	984	784
World.....thous. of bags.....	6,944	6,990	6,724	6,286	6,136	5,963	5,879	5,455	5,188	5,014	5,051	5,498	5,529

2 Revised.

3 Quarter ended in month indicated.

4 As of Sept. 1.

5 Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOODSTUFFS—Continued													
Dairy Products													
BUTTER													
Apparent consumption.....thous. of lbs.	203,734	197,536	205,626	228,387	184,528	160,753	152,985	163,689	166,506	154,987	181,569	179,305	193,110
Cold-storage holdings, creamery, end of month.....thous. of lbs.	104,675	115,121	89,172	35,155	17,195	18,010	30,672	46,792	63,401	88,012	109,646	131,489	143,089
Production (factory).....thous. of lbs.	136,769	158,061	188,040	174,827	140,676	122,954	105,192	112,843	106,181	98,138	117,372	119,388	133,000
Receipts, 5 markets.....thous. of lbs.	43,588	58,322	74,154	61,813	53,566	48,739	43,251	45,644	43,892	36,848	38,933	40,853	44,821
Wholesale price, New York.....dolls. per lb.	.23	.25	.23	.24	.26	.29	.28	.29	.32	.36	.40	.40	.39
Wholesale price, New York.....rel. to 1926	62.2	55.6	51.1	53.3	57.8	64.4	62.2	64.4	71.1	80.0	88.9	88.9	86.7
CHEESE													
Total, all varieties:													
Apparent consumption.....thous. of lbs.	45,277	45,088	53,147	55,345	47,925	46,332	33,063	41,070	39,500	40,035	41,637	43,695	47,564
Cold-storage holdings, end of month.....thous. of lbs.	86,310	84,003	72,977	55,939	53,172	54,270	61,841	69,471	79,015	87,171	96,393	103,691	107,219
Exports, Canada.....thous. of lbs.	11,929	11,496	4,078	1,517	505	491	306	918	4,025	14,677	16,568	12,652	10,188
Exports, United States.....thous. of lbs.	124	148	119	139	121	205	118	129	176	108	183	121	137
Imports, United States.....thous. of lbs.	4,389	3,413	5,121	5,556	6,471	4,611	4,062	4,123	4,163	5,041	6,293	4,333	3,687
Receipts, 5 markets.....thous. of lbs.	14,264	14,199	17,480	12,145	11,445	11,717	10,406	11,600	10,409	10,784	12,226	14,509	14,952
Production (factory).....thous. of lbs.	43,218	52,960	64,533	52,568	49,470	34,388	26,379	27,543	26,598	25,583	28,239	36,062	41,125
American whole milk:													
Cold-storage holdings, end of month.....thous. of lbs.	68,792	68,532	58,144	42,461	40,542	41,836	47,968	54,499	63,326	71,132	78,919	85,076	87,221
Wholesale price, New York.....dolls. per lb.	.16	.15	.14	.11	.15	.16	.16	.17	.18	.19	.19	.20	.19
Eggs													
Cold-storage holdings, end of month:													
Case.....thous. of cases	9,011	9,504	9,507	7,887	5,162	1,893	408	735	1,894	4,154	6,785	9,174	10,375
Frozen.....thous. of lbs.	110,273	114,769	113,513	106,607	91,517	78,051	73,889	75,685	83,184	89,571	98,359	106,631	113,138
Receipts, 5 markets.....thous. of cases	1,053	1,180	1,862	2,236	2,478	2,046	1,264	1,026	768	593	717	952	944
MILK													
Condensed milk:													
Exports.....thous. of lbs.	1,477	1,862	1,372	1,973	1,853	1,873	1,345	2,403	1,907	1,973	1,718	1,479	3,294
Total stocks, manufacturers, end of month—													
Case goods.....thous. of lbs.	22,504	24,071	23,998	19,892	12,390	13,227	13,051	13,928	17,803	20,657	24,650	27,314	30,875
Bulk goods.....thous. of lbs.	15,001	16,221	18,992	19,163	15,857	16,273	16,171	18,594	19,520	20,885	21,965	23,727	25,765
Unsold stocks, end of month—													
Case goods.....thous. of lbs.	20,339	20,048	16,012	8,434	9,059	8,864	9,698	14,181	16,678	20,427	22,951	26,464	26,464
Bulk goods.....thous. of lbs.	4,285	6,126	5,661	5,069	5,549	5,285	6,986	8,297	7,842	7,935	8,119	6,954	6,954
Wholesale price, New York.....dolls. per case	5.00	5.65	5.65	5.65	5.65	5.65	5.79	6.03	6.03	6.03	6.03	6.03	6.03
Evaporated milk:													
Exports.....thous. of lbs.	4,466	5,892	5,024	5,114	5,311	5,034	3,775	5,269	4,546	4,366	4,718	3,452	5,223
Manufacturers' stocks, end of month—													
Total case goods.....thous. of lbs.	181,745	275,931	275,280	230,739	177,754	150,931	136,896	157,152	202,070	211,828	224,486	218,486	244,969
Unsold case goods.....thous. of lbs.	209,423	225,582	196,089	154,490	125,498	108,672	107,009	163,478	174,148	187,202	179,047	197,189	197,189
Wholesale price, New York.....dolls. per case	3.00	3.10	3.20	3.30	3.50	3.50	3.50	3.75	3.80	3.80	3.80	3.80	3.80
Fluid milk:													
Consumption in mfr. of oleomargarine.....thous. of lbs.	2,943	3,432	3,791	5,387	5,927	5,814	7,464	8,158	8,404	9,066	7,799	6,173	6,173
Receipts—													
Boston, including cream.....thous. of qts.	21,615	21,021	21,023	19,877	20,312	17,444	18,352	18,313	18,226	19,403	19,634	19,007	19,007
Greater New York.....thous. of qts.	116,580	116,117	110,313	113,329	101,197	110,428	111,345	111,166	116,140	119,356	116,769	116,769	116,769
Powdered milk:													
Exports.....thous. of lbs.	1,047	964	1,085	1,309	1,414	2,282	1,001	366	465	507	467	477	426
Manufacturers' stocks, end of month—													
Case goods.....thous. of lbs.	35,862	38,216	42,628	43,148	40,502	41,363	41,744	41,122	38,976	36,318	33,281	32,770	34,186
Net new orders.....thous. of lbs.	10,903	11,816	11,109	11,047	12,145	10,606	9,492	10,253	8,945	8,733	9,853	10,151	9,623
Production, condensed and evaporated milk.....thous. of lbs.	140,437	175,578	234,055	244,229	194,753	172,306	144,649	141,981	143,280	132,284	149,136	139,802	163,034
Fish													
Canned salmon:													
Exports, Canada.....cases	69,327	59,996	47,423	59,883	91,083	101,817	38,446	45,998	107,333	108,996	194,623	152,779	29,494
Shipments, United States.....thous. of cases	524	340	384	290	334	300	406	333	333	273	653	1,433	1,030
Cold-storage holdings, 15th of month.....thous. of lbs.	57,535	48,350	39,700	31,368	28,079	38,542	56,547	71,910	85,317	91,436	88,616	85,498	78,993
Total catch, principal ports.....thous. of bbls.	33,612	28,626	25,655	24,599	30,049	30,081	20,635	18,353	17,567	25,967	30,541	40,687	35,875
Fruits and Vegetables													
Apples:													
Car-lot shipment.....carloads	1,869	3,155	1,214	2,065	3,081	5,700	7,115	7,806	8,065	17,454	35,782	12,757	2,729
Cold-storage holdings, end of month.....thous. of bbls.	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962	222,962
Production, crop estimate.....thous. of bu.	6,073	9,407	10,693	15,585	15,059	17,572	13,980	14,197	12,554	11,338	6,301	4,510	4,441
Citrus fruits, car-lot shipments.....carloads	2,258	1,657	2,122	3,703	2,377	2,540	2,454	2,454	2,254	2,753	5,593	5,437	2,793
Onions, car-lot shipments.....carloads	11,717	20,161	27,084	23,895	21,032	23,601	20,024	20,971	15,092	16,267	28,788	21,924	15,979
Potatoes, car-lot shipments.....carloads	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036	361,036
Production, crop estimate.....thous. of bu.	1,801	3,449	4,126	4,626	5,662	7,840	9,583	10,731	11,401	11,854	12,035	11,991	9,142
Grains													
Total grain exports, including flour.....thous. of bu.	13,439	18,750	13,161	11,224	8,118	6,061	5,067	6,610	7,578	9,803	14,091	21,041	26,095
BARLEY													
Exports.....thous. of bu.	1,014	678	807	896	776	745	921	732	1,047	964	1,295	1,359	1,281
Price, No. 2, Minneapolis.....dolls. per bu.	.45	.42	.39	.45	.48	.44	.44	.44	.47	.48	.52	.53	.52
Price, No. 2, Minneapolis.....rel. to 1926	70.3	65.6	60.9	70.3	75.0	68.8	68.8	68.8	73.4	75.0	81.3	82.8	81.3
Production, crop estimate.....thous. of bu.	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391	212,391
Receipts, principal markets.....thous. of bu.	1,801	3,449	4,126	4,626	5,662	7,840	9,583	10,731	11,401	11,854	12,035	11,991	9,142
Visible supply, end of month.....thous. of bu.	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089	4,089

* Revised.

* As of Sept. 1.

* Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOODSTUFFS—Continued													
Grains—Continued													
CORN													
Exports, including meal.....thous. of bu..	201	556	123	151	206	534	443	188	132	163	295	394	332
Grindings (starch, glucose).....thous. of bu..	4,665	5,168	5,738	5,580	5,492	5,441	5,575	5,990	5,241	5,434	6,253	6,473	6,565
Prices:													
No. 3, yellow, Chicago.....dolls. per bu..	.46	.57	.58	.56	.58	.60	.61	.65	.69	.71	.82	.94	.99
No. 3, yellow, Kansas City.....dolls. per bu..	.45	.53	.52	.52	.53	.54	.54	.59	.66	.69	.82	.89	.92
No. 3, white, Chicago.....dolls. per bu..	.49	.58	.59	.56	.58	.60	.63	.68	.73	.76	.88	.97	.99
Production crop estimate.....thous. of bu..	12,715,357	16,152	13,417	11,381	17,102	18,567	21,278	10,320	27,367	17,067	15,176	16,048	20,282
Receipts.....thous. of bu..	12,272	8,955	10,589	14,855	14,246	12,281	11,895	12,611	10,925	8,396	8,705	9,829	12,792
Shipments.....thous. of bu..	7,274	8,536	7,785	12,286	19,676	21,998	20,110	17,502	16,993	7,411	4,703	4,976	5,441
Visible supply, end of mo.....thous. of bu..	8,271												
HAY													
Receipts.....number of cars.....		3,495	3,052	3,777	4,198	4,510	4,279	5,214	4,057	4,863	5,401	4,808	4,717
Production, crop estimate.....thous. of tons..	77,859								77,850				
OATS													
Exports, including meal.....thous. of bu..	429	253	374	192	179	174	120	144	208	202	157	194	292
Grindings, Canada.....thous. of bu..		938	770	785	822	844	940	997	1,126	1,035	1,174	1,054	817
Price No. 3, white, Chicago.....dolls. per bu..	.21	.23	.27	.28	.30	.31	.32	.32	.34	.33	.36	.38	.39
Production, crop estimate.....thous. of bu..	11,160,877								1,358,952				
Production, oatmeal, and rolled oats, Canada.....thous. of lbs..		12,963	11,098	10,525	9,871	10,243	11,895	13,320	14,360	14,605	14,749	14,843	11,032
Receipts, principal markets.....thous. of bu..	14,036	5,749	4,748	5,294	7,604	6,843	7,123	6,121	6,021	6,075	9,445	15,381	25,277
Visible supply, end of month.....thous. of bu..	15,577	7,785	7,654	9,892	13,837	19,163	22,947	26,650	30,504	30,641	33,509	31,979	28,999
RICE													
Exports.....pockets (100 lbs.)..	108,181	100,899	239,358	260,949	203,519	211,843	259,578	376,090	413,674	383,517	159,938	91,030	99,249
Imports.....pockets (100 lbs.)..	4,475	5,443	10,009	50,472	38,788	51,223	37,821	41,891	27,501	29,294	10,381	6,505	8,675
Production, crop estimate.....thous. of bu..	440,450								41,322				
Shipments:													
Total from mills.....thous. of pockets (100 lbs.)..		404	601	617	780	864	933	1,119	1,003	1,208	1,323	766	499
New Orleans.....pockets (100 lbs.)..	78,269	37,121	75,732	88,718	68,753	68,349	74,629	75,643	75,426	126,781	201,483	128,756	90,755
Southern paddy, receipts at mills.....thous. of bbls..		172	323	520	566	599	864	1,147	844	1,267	2,063	1,084	508
Stocks, end of month.....thous. of pockets (100 lbs.)..		848	1,051	1,293	1,388	1,561	1,790	1,763	1,678	1,776	1,670	842	488
RYE													
Exports, including flour.....thous. of bu..	14	.10	15	29	3	34	19	3	4	4	49	25	23
Price No. 2, Minneapolis.....dolls. per bu..	.38	.37	.37	.36	.35	.36	.37	.38	.44	.43	.49	.55	.60
Production, crop estimate.....thous. of bu..									48,149				
Receipts, principal markets.....thous. of bu..	472	862	1,035	880	855	716	884	1,356	1,356	1,610	2,001	6,562	5,200
Visible supply, end of month.....thous. of bu..	8,687	8,730	8,540	9,262	10,440	11,110	11,911	12,644	13,315	13,860	14,842	12,649	
WHEAT													
Exports:													
Canada, including wheat flour.....thous. of bu..	14,258	14,107	22,988	31,687	6,148	15,521	12,165	11,373	24,939	34,782	33,447	31,120	29,461
United States—													
Wheat only.....thous. of bu..	8,901	12,731	8,136	6,406	3,531	1,357	137	1,289	2,173	3,266	6,311	12,716	18,646
Including wheat flour.....thous. of bu..	11,781	17,253	11,842	9,956	6,954	4,574	3,564	5,543	6,187	8,470	12,265	19,069	24,167
Stocks, held by mills (quarterly).....thous. of bu..			38,771			81,841			137,194			154,112	
Prices:													
No. 1, northern spring, Minneapolis.....dolls. per bu..	.65	.61	.74	.81	.79	.76	.75	.76	.77	.75	.82	.87	.91
No. 2, red winter, St. Louis.....dolls. per bu..	.47	.48	.72	.79	.80	.78	.79	.78	.83	.83	.87	.88	.89
No. 2, hard winter, Kansas City.....dolls. per bu..	.43	.44	.68	.73	.73	.70	.69	.69	.71	.69	.74	.78	.81
Production, crop estimate,													
Total.....thous. of bu..	486,000								863,430				
Winter wheat.....thous. of bu..	475,537								612,268				
Spring wheat.....thous. of bu..	110,463								251,162				
Receipts.....thous. of bu..	104,047	29,656	30,863	21,230	30,833	30,672	29,496	24,597	24,597	28,943	62,569	85,476	
Shipments.....thous. of bu..	67,182	30,385	24,061	16,601	15,570	14,817	13,706	15,053	20,955	25,238	44,746	48,053	
Visible supply, end of month:													
Canada.....thous. of bu..	101,306	116,462	122,318	136,856	160,750	180,253	183,704	192,858	205,854	197,998	178,827	148,288	100,807
United States.....thous. of bu..	242,846	217,526	190,702	197,563	199,561	207,128	201,862	197,219	195,716	202,475	205,437	213,804	199,909
WHEAT FLOUR													
Consumption (computed).....thous. of bbls..		7,642	6,666	8,711	8,281	8,654	8,738	9,622	9,846	10,597	11,059	10,929	9,585
Exports:													
Canada.....thous. of bbls..	522	467	490	481	326	561	415	392	602	792	814	734	627
United States.....thous. of bbls..	610	1,005	824	789	761	715	762	945	892	1,156	1,330	1,412	1,227
Grindings of wheat:													
Canada.....thous. of bu..	5,932	5,093	5,394	4,719	5,169	4,607	4,634	5,226	7,789	8,348	7,255	6,930	
United States.....thous. of bu..	44,412	45,362	35,893	33,946	39,127	40,137	37,939	42,529	41,507	42,428	49,914	49,382	47,654
Prices, wholesale:													
Standard patents, Minneapolis.....dolls. per bbl..	4.21	4.13	4.75	4.85	4.71	4.67	4.85	4.95	4.89	4.69	4.98	5.08	5.34
Winter, straights, Kansas City.....dolls. per bbl..	2.96	3.84	4.12	4.14	4.02	4.00	4.06	4.09	4.03	4.14	4.23	4.44	4.56
Production:													
Canada.....thous. of bbls..	1,319	1,121	1,183	1,058	1,104	1,035	1,086	1,170	1,739	1,869	1,624	1,548	
United States—													
Actual (Census).....thous. of bbls..	9,852	7,763	8,015	8,494	8,724	8,242	9,232	8,973	9,184	10,817	10,674	10,313	
Prorated (Russells').....thous. of bbls..	9,847	7,981	8,739	9,134	9,275	8,750	9,937	9,888	10,403	12,089	12,241	11,562	
Capacity.....per cent..	58	59	47	50	51	52	56	55	54	60	62	67	
Grain offal.....thous. of bbls..	785,057	802,424	647,400	663,303	702,139	713,597	678,795	761,935	739,243	762,108	899,580	888,576	851,401
Stocks:													
All positions (computed) end of month.....thous. of bbls..		6,000	4,800	4,857	5,618	5,523	5,620	6,370	7,000	7,850	9,200	9,500	9,600
Held by mills (quarterly).....thous. of bbls..			2,830			3,712			4,016			3,940	

Revised.

* Quarter ended in month indicated

† As of Sept. 1.

‡ Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOODSTUFFS—Continued													
Meats													
CATTLE AND BEEF													
Beef products:													
Apparent consumption.....thous. of lbs..	432,458	416,802	404,962	424,672	421,252	379,405	335,603	384,754	397,741	331,945	463,928	434,287	409,475
Cold-storage holdings, end of month.....thous. of lbs..	38,927	41,055	45,548	49,448	53,150	61,111	67,622	72,398	75,285	73,392	63,862	60,023	59,755
Exports.....thous. of lbs..	1,837	1,497	1,573	1,468	1,981	1,444	961	902	1,207	1,491	2,347	1,793	1,658
Production, inspected.....thous. of lbs..	430,595	411,952	400,529	419,124	412,757	374,151	330,321	381,531	398,741	342,405	468,983	434,625	493,681
Cattle movements primary markets:													
Local slaughter.....thousands..	1,009	930	968	990	1,036	960	812	897	1,015	823	1,183	1,084	959
Receipts.....thousands..	1,821	1,488	1,540	1,551	1,617	1,535	1,303	1,508	1,736	1,696	2,377	2,108	1,995
Shipments, stocker and feeder.....thousands..	251	124	111	153	175	146	147	222	332	478	691	443	150
Shipments, total.....thousands..	756	561	552	561	581	549	486	607	1,015	873	1,223	947	618
Prices:													
Beef, fresh, carcass, good native steers, Chicago.....dolls. per lb..	.144	.129	.129	.143	.160	.169	.178	.195	.195	.195	.195	.191	.168
Beef, fresh, carcass, good native steers, Chicago.....rel. to 1925..	87.9	78.8	78.8	86.8	97.1	102.8	108.1	118.8	118.8	118.8	118.8	116.1	102.4
Beef, fresh, carcass, steers, New York.....dolls. per lb..	.158	.145	.145	.155	.172	.180	.196	.205	.205	.205	.205	.203	.173
Beef, fresh, carcass, steers, New York.....rel. to 1925..	92.3	84.9	84.9	90.8	100.8	105.4	115.0	120.1	120.1	120.1	120.1	118.6	101.1
Cattle, corn fed, Chicago.....dolls. per 100 lbs..	8.62	7.25	7.32	7.68	8.56	9.08	9.11	10.00	10.58	10.31	9.97	10.33	9.14
Cattle, corn fed, Chicago.....rel. to 1925..	90.5	76.1	76.8	80.5	89.9	95.2	95.6	105.0	111.0	108.2	104.6	108.4	95.9
HOGS AND PORK													
Hog movements, primary markets:													
Local slaughter.....thousands..	1,398	1,474	1,773	1,841	1,983	1,952	2,293	2,907	2,460	2,169	2,048	1,703	1,487
Receipts.....thousands..	2,454	2,511	2,854	2,938	3,057	3,267	3,794	4,652	4,002	3,439	3,441	2,799	2,617
Shipments, stocker and feeder.....thousands..	49	37	36	33	36	31	37	45	41	37	39	38	35
Shipments, total.....thousands..	1,045	1,039	1,072	1,099	1,088	1,234	1,417	1,739	1,542	1,269	1,392	1,090	1,133
Lard (included in pork products):													
Cold-storage holdings, end of month.....thous. of lbs..	95,885	121,926	115,561	103,366	95,693	78,249	74,977	62,624	51,434	31,582	36,211	59,732	88,868
Exports.....thous. of lbs..	34,510	33,824	37,786	39,623	44,769	53,395	68,760	68,882	45,114	42,552	41,396	37,417	49,287
Production.....thous. of lbs..	91,680	109,265	123,263	126,323	129,090	127,516	147,632	186,932	150,538	119,355	101,672	88,659	98,167
Pork production:													
Apparent consumption.....thous. of lbs..	553,324	537,017	583,345	581,110	523,963	563,934	508,890	663,947	698,323	553,479	636,426	551,557	558,041
Cold-storage holdings, end of month—													
Total.....thous. of lbs..	690,173	833,737	890,212	931,117	963,217	921,920	928,385	788,888	572,626	443,296	393,017	507,156	639,827
Fresh and cured.....thous. of lbs..	594,288	711,811	774,651	827,751	867,524	843,671	853,408	726,264	521,192	411,704	356,806	447,427	550,959
Exports—													
Total.....thous. of lbs..	48,032	49,193	53,226	55,557	59,496	73,610	83,470	88,902	61,134	62,325	53,798	53,392	72,654
Other products than lard.....thous. of lbs..	13,522	15,369	15,440	15,934	14,637	15,215	14,719	18,020	16,020	19,773	12,402	16,475	23,431
Production, inspected.....thous. of lbs..	457,105	532,757	597,185	604,427	624,301	630,661	731,633	962,175	798,311	695,665	575,700	472,467	509,438
Prices:													
Hams, smoked, Chicago.....dolls. per lb..	.185	.173	.174	.182	.184	.187	.195	.207	.213	.222	.221	.227	.229
Hams, smoked, Chicago.....rel. to 1925..	60.1	56.1	56.6	59.2	59.7	60.7	63.5	67.1	69.2	72.1	71.7	73.8	74.4
Hogs, heavy, Chicago.....dolls. per 100 lbs..	6.35	6.24	6.39	6.40	7.08	7.18	6.78	7.34	7.94	8.86	9.86	10.58	9.78
Hogs, heavy, Chicago.....rel. to 1925..	51.4	50.6	51.8	51.9	57.4	58.2	54.5	59.5	64.3	71.8	79.9	85.8	79.2
Lard, prime contract, New York.....dolls. per lb..	.075	.082	.083	.082	.090	.094	.085	.090	.100	.112	.119	.119	.114
SHEEP AND LAMBS													
Lamb and mutton:													
Apparent consumption.....thous. of lbs..	58,349	54,679	55,300	54,604	59,095	54,919	50,987	58,195	56,348	50,890	64,946	58,873	52,646
Cold-storage holdings, end of month.....thous. of lbs..	1,981	1,892	2,685	2,371	2,529	3,063	3,573	4,081	4,677	4,623	4,326	4,320	3,977
Production, inspected.....thous. of lbs..	58,466	53,947	55,678	54,433	58,579	54,486	50,511	57,642	56,453	51,236	65,060	29,297	52,268
Prices—													
Sheep, ewes, Chicago.....dolls. per 100 lbs..	1.98	2.56	1.55	2.44	3.29	3.79	3.69	3.44	2.93	3.38	3.84	3.08	3.09
Sheep, ewes, Chicago.....rel. to 1925..	30.0	38.9	23.5	37.9	50.0	57.5	55.9	52.1	44.4	51.2	43.1	46.6	46.9
Sheep, lambs, Chicago.....dolls. per 100 lbs..	5.95	6.06	6.98	8.36	8.76	8.27	8.31	7.98	7.40	7.13	7.03	7.35	7.72
Sheep, lambs, Chicago.....rel. to 1925..	43.4	44.2	50.9	61.0	64.0	60.4	60.7	58.3	54.0	52.0	51.3	53.6	56.3
Sheep movement primary market:													
Local slaughter.....thousands..	1,474	1,342	1,384	1,464	1,410	1,157	1,056	1,201	1,236	1,079	1,597	1,479	1,266
Receipts.....thousands..	3,270	2,535	2,587	2,810	2,713	2,119	1,964	2,175	2,307	2,607	3,784	3,580	2,583
Shipments, stocker and feeder.....thousands..	718	243	289	176	189	103	105	184	282	761	1,024	907	465
Shipments, total.....thousands..	1,734	1,190	1,214	1,353	1,304	948	908	979	1,681	1,534	2,238	2,016	1,317
Miscellaneous meats:													
Cold-storage holdings, end of month.....thous. of lbs..	66,971	69,026	75,469	79,331	81,359	85,678	92,744	93,747	84,169	75,818	72,444	80,653	84,324
Total meats:													
Apparent consumption.....mills. of lbs..	1,044	1,008	1,044	1,060	1,004	998	895	1,107	1,062	996	1,165	1,045	1,020
Cold-storage holdings, end of month.....mills. of lbs..	798	946	1,014	1,062	1,106	1,072	1,092	959	737	597	534	652	788
Production.....mills. of lbs..	946	999	1,053	1,078	1,096	1,059	1,112	1,401	1,254	1,059	1,110	986	956
POULTRY													
Cold-storage holdings, end of month.....thous. of lbs..	43,059	36,438	32,762	35,348	45,920	60,986	95,188	101,307	104,913	82,925	59,269	46,938	42,589
Receipts at 5 markets.....thous. of lbs..	28,655	24,871	22,164	17,252	17,443	20,600	26,008	34,472	73,314	67,361	33,128	24,900	20,527
Prices													
Retail food (Dept. of Labor).....rel. to 1913..	120	119	118	121	124	126	127	133	137	141	144	146	144
Wholesale food.....rel. to 1926..	73.7	73.1	72.4	72.9	75.6	76.7	77.1	80.1	81.8	85.7	88.6	89.2	87.1

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOODSTUFFS—Continued													
Sugar													
Cuban movement (raw):													
Exports.....long tons..	215, 110	203, 030	148, 624	137, 205	94, 865	134, 928	168, 450	86, 518	231, 039	413, 406	291, 311	274, 588	314, 239
Receipts at Cuban ports.....long tons..	126, 016	119, 664	93, 548	118, 514	238, 872	546, 538	429, 576	105, 726	150, 277	213, 688	124, 848	152, 166	160, 710
Stocks, end of month, thous. of long tons..	754	843	930	982	1, 007	844	461	80	669	764	958	1, 163	1, 279
Prices:													
Retail coverage, 51 cities.....rel. to 1913..	104	102	102	102	104	106	107	107	107	107	106	107	111
Retail granulated, New York.....dolls. per lb..	.053	.051	.050	.050	.050	.051	.053	.053	.053	.053	.053	.054	.054
Wholesale, granulated, New York.....dolls. per lb..	.046	.046	.044	.043	.044	.043	.045	.046	.046	.047	.044	.043	.044
Wholesale, granulated, New York.....rel. to 1926..	84.1	84.1	80.3	78.3	80.1	79.2	81.4	83.2	83.2	85.0	80.8	79.2	80.3
Raw:													
Imports—													
From Hawaii and Porto Rico.....long tons..	135, 228	148, 636	143, 382	161, 260	135, 457	150, 951	151, 980	81, 700	5, 590	50, 977	82, 660	117, 776	132, 240
From foreign countries.....long tons..	397, 042	324, 848	239, 085	151, 815	279, 578	364, 493	212, 453	122, 071	306, 500	293, 455	277, 350	273, 952	181, 182
Meltings, 8 ports.....long tons..	376, 715	469, 609	383, 157	332, 556	403, 337	351, 169	290, 337	258, 585	207, 006	337, 360	402, 333	413, 912	360, 592
Stocks at refineries, end of month.....long tons..	429, 229	367, 252	400, 567	463, 730	445, 535	420, 650	329, 324	293, 933	305, 208	321, 930	283, 778	378, 969	442, 894
Refined:													
Exports, including maple.....long tons..	3, 806	3, 952	4, 329	3, 338	5, 332	4, 612	3, 085	3, 572	4, 723	6, 576	8, 553	6, 668	7, 246
Shipments, 2 ports.....long tons..	76, 412	98, 879	78, 583	57, 670	65, 633	49, 077	54, 570	42, 717	33, 645	59, 916	62, 113	72, 208	49, 066
Stocks, 2 ports.....long tons..	37, 116	36, 481	35, 030	32, 632	43, 880	54, 665	29, 070	34, 019	42, 555	37, 759	40, 134	53, 998	53, 324
Tea													
Imports.....thous. of lbs..	7, 977	6, 578	6, 953	4, 135	6, 184	7, 995	5, 223	7, 289	8, 029	7, 565	9, 917	8, 717	8, 134
Price, Formosa, fine, New York.....dolls. per lb..	.225	.225	.225	.225	.225	.225	.225	.225	.225	.225	.223	.224	.290
FOREST PRODUCTS													
Lumber													
ALL TYPES													
Exports.....M ft. b. m..	99, 633	120, 354	120, 501	143, 558	135, 771	73, 818	67, 792	114, 557	128, 424	110, 855	122, 690	139, 138	136, 628
New orders.....rel. to 1923-1925..	41.0	35.2	² 47.7	¹ 35.6	41.5	40.3	35.7	36.7	33.8	36.8	39.4	53.7	43.5
Prices, wholesale, composite.....rel. to 1926..	66.0	66.3	67.8	68.4	73.3	74.2	73.2	76.0	78.1	80.1	80.2	80.8	81.1
Production index (elect. energy consumed).....rel. to 1923-1925..	79.4	76.9	86.3	97.2	91.5	93.2	84.2	82.6	73.3	86.5	77.1	105.6	97.7
Stocks, end of month.....rel. to 1923-1925..	110.6	110.1	106.3	107.7	108.2	108.8	111.2	113.2	117.3	113.7	110.0	108.3	107.4
Unfilled orders, end of month.....rel. to 1923-1925..		49.7	51.4	48.1	49.2	48.8	47.7	46.8	² 44.7	42.6	46.3	59.0	54.9
RETAIL MOVEMENT													
Retail yards, 9th Fed. Res. Dist.:													
Sales.....M ft. b. m..		8, 513	10, 084	8, 451	7, 767	5, 236	3, 494	3, 563	4, 145	9, 028	13, 596	12, 516	12, 393
Stocks, end of month.....M ft. b. m..		78, 274	79, 017	80, 051	80, 816	81, 158	80, 251	76, 552	79, 531	71, 025	73, 743	79, 471	84, 567
Retail yards, 10th Fed. Res. Dist.:													
Sales.....M ft. b. m..	3, 280	3, 745	3, 432	3, 421	3, 368	3, 389	2, 641	2, 878	2, 530	3, 940	5, 114	4, 580	4, 262
Stocks, end of month.....M ft. b. m..	36, 966	37, 279	37, 718	38, 816	39, 534	39, 657	38, 628	37, 839	37, 739	38, 108	38, 674	40, 116	41, 543
FLOORING													
Maple flooring:													
New orders.....M ft. b. m..	3, 312	3, 712	4, 245	3, 327	3, 679	3, 131	3, 455	3, 584	1, 905	2, 798	2, 530	2, 983	3, 541
Production.....M ft. b. m..	2, 973	2, 737	3, 116	2, 629	3, 326	3, 760	3, 179	3, 452	3, 045	2, 759	2, 643	3, 301	3, 616
Shipments.....M ft. b. m..	3, 397	3, 447	3, 778	3, 315	3, 226	3, 017	2, 676	2, 351	1, 811	2, 554	2, 886	3, 331	4, 416
Stocks, end of month.....M ft. b. m..	21, 130	21, 321	21, 821	23, 467	24, 191	26, 193	25, 835	25, 578	24, 271	23, 353	22, 985	23, 915	24, 476
Unfilled orders, end of month.....M ft. b. m..	4, 183	4, 772	4, 955	4, 604	5, 312	5, 180	5, 248	4, 664	3, 491	3, 204	3, 188	2, 953	3, 528
HARDWOODS													
All hardwoods:													
New orders.....mill. ft. b. m..	131	139	176	158	154	173	188	169	125	133	154	176	139
Production.....mill. ft. b. m..	101	109	143	146	146	165	158	143	134	143	158	161	165
Shipments.....mill. ft. b. m..	143	139	161	169	161	176	165	158	125	148	169	180	154
Stocks, end of month—													
Total.....mill. ft. b. m..	3, 020	3, 065	3, 126	3, 149	3, 175	3, 205	3, 249	3, 308	3, 319	3, 273	3, 270	3, 261	3, 308
Unsold.....mill. ft. b. m..	2, 645	2, 662	2, 707	2, 718	2, 713	2, 731	2, 769	2, 851	2, 863	2, 821	2, 805	2, 787	2, 808
Unfilled orders, end of month.....mill. ft. b. m..	375	402	419	431	463	473	481	456	456	452	466	475	500
Gum:													
Stocks, end of month—													
Total.....mill. ft. b. m..	634	653	683	686	694	703	713	726	611	610	608	601	610
Unsold.....mill. ft. b. m..	542	551	575	586	593	598	601	607	511	509	504	494	497
Unfilled orders, end of month.....mill. ft. b. m..	92	102	108	100	101	106	112	118	100	102	104	107	113
Northern hardwoods:													
Production.....M ft. b. m..		6, 173	11, 878	10, 820	12, 767	17, 878	17, 252	14, 178	8, 147	4, 382	4, 772	4, 371	9, 225
Shipments.....M ft. b. m..		9, 846	11, 690	10, 330	12, 806	12, 631	12, 330	10, 854	8, 021	9, 374	11, 285	11, 862	11, 167
Oak:													
Stocks, end of month—													
Total.....mill. ft. b. m..	853	864	890	914	935	966	990	1, 017	1, 029	1, 022	1, 021	1, 016	1, 036
Unsold.....mill. ft. b. m..	783	783	803	809	814	844	861	918	935	928	924	913	927
Unfilled orders, end of month.....mill. ft. b. m..	70	81	88	105	120	122	129	99	95	95	97	98	109
Walnut logs:													
Made into lumber and veneer.....M ft. log measure..	709	523	958	1, 135	925	816	829	895	1, 146	1, 340	1, 421	1, 109	1, 029
Purchases.....M ft. log measure..	776	666	674	828	719	699	874	1, 179	1, 204	1, 460	1, 294	1, 171	886
Stocks, end of month.....M ft. log measure..	510	442	293	519	845	1, 050	1, 172	1, 136	777	791	670	805	745
Walnut lumber:													
New orders.....M ft. b. m..	1, 252	1, 574	996	1, 181	1, 393	2, 094	1, 471	1, 152	1, 203	1, 343	1, 809	1, 735	1, 698
Production.....M ft. b. m..	887	624	1, 075	1, 382	1, 141	875	804	642	1, 184	1, 444	1, 386	1, 121	1, 174
Shipments.....M ft. b. m..	1, 472	1, 853	1, 223	1, 277	1, 506	1, 942	1, 363	1, 064	1, 187	1, 470	1, 907	1, 861	1, 511
Stocks, end of month.....M ft. b. m..	13, 926	14, 543	15, 837	15, 990	15, 893	16, 265	17, 263	18, 295	17, 670	18, 731	18, 796	19, 334	20, 090
Unfilled orders, end of month.....M ft. b. m..	2, 821	2, 981	2, 918	3, 151	3, 279	3, 522	3, 314	3, 211	3, 118	3, 393	3, 646	4, 085	4, 025

² Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931							1930					
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOREST PRODUCTS—Continued													
Lumber—Continued													
SOFTWOOD													
California redwood:													
New orders (computed).....M ft. b. m.	15,386	16,576	19,321	19,220	22,480	24,485	20,695	25,928	17,857	21,485	30,603	27,155	25,293
Production (computed).....M ft. b. m.	16,270	14,717	16,429	17,616	18,761	21,795	23,836	26,998	23,048	25,900	35,063	28,337	28,835
Shipments (computed).....M ft. b. m.	17,323	18,131	18,253	21,568	21,898	24,852	23,555	21,410	20,307	20,549	31,808	27,505	25,044
Unfilled orders, end of month (computed).....M ft. b. m.	17,380	19,331	20,376	20,237	22,290	22,726	23,613	28,725	22,766	24,514	24,277	26,150	26,573
Douglas fir:													
Exports—													
Lumber.....M ft. b. m.	45,308	53,088	47,766	69,043	63,159	15,211	14,951	38,251	53,718	42,364	43,801	48,097	42,129
Timber.....M ft. b. m.	25,155	18,186	35,718	55,586	37,573	19,964	14,978	16,081	12,850	9,151	12,511	16,114	25,850
New orders.....M ft. b. m.	188,460	181,297	191,146	188,907	224,272	217,109	189,355	191,593	189,355	186,222	203,232	217,557	222,929
Price wholesale—													
No. 1 common, dolls. per M ft. b. m.	10.97	10.64	11.25	11.64	12.12	12.68	12.86	12.82	12.99	13.25	12.98	13.14	13.44
Flooring, 1 x 4 "B" and better, V.													
G.....dolls. per M ft. b. m.	25.29	25.76	25.98	28.33	29.74	31.14	31.65	31.33	31.73	33.40	33.77	34.58	35.65
Production.....M ft. b. m.	171,897	149,067	199,651	206,813	201,880	186,222	179,059	160,258	167,420	191,593	208,156	199,651	206,813
Shipments.....M ft. b. m.	175,030	173,240	197,413	221,586	200,099	195,022	186,669	178,164	174,583	179,954	199,651	200,546	218,452
Unfilled orders, end of month.....M ft. b. m.	111,017	165,630	162,944	135,637	215,766	190,517	181,745	182,640	188,012	176,373	137,876	176,373	134,742
North Carolina pine:													
Production (computed).....M ft. b. m.	24,276	27,013	30,338	30,233	31,241	27,489	24,318	24,129	28,350	28,140	29,386	27,832	27,349
Shipments (computed).....M ft. b. m.	32,375	30,408	34,293	31,780	34,454	33,250	32,417	32,844	30,317	34,300	35,049	35,392	33,481
Northern hemlock:													
Production.....M ft. b. m.		10,128	10,013	9,893	8,616	6,583	6,085	6,526	5,812	4,046	4,374	6,876	8,223
Shipments.....M ft. b. m.		8,640	9,554	7,894	7,437	5,432	5,508	6,094	4,955	6,596	7,436	6,751	7,007
Southern yellow pine:													
Exports—													
Lumber.....M ft. b. m.	21,956	29,925	30,278	34,067	32,544	22,478	21,309	33,509	35,873	28,113	31,957	44,007	43,312
Timber.....M ft. b. m.	7,888	8,745	12,535	5,827	10,256	6,261	4,935	8,163	9,029	11,896	10,590	11,509	9,153
New orders.....M ft. b. m.	151,484	146,660	140,322	157,920	169,015	174,020	170,709	190,985	146,465	177,327	213,028	206,024	189,350
Price flooring.....dolls. per M ft. b. m.	27.68	27.82	28.15	28.82	28.32	29.66	28.42	30.73	32.51	33.44	34.01	33.48	31.72
Price index.....rel. to 1926.....	61.4	61.7	62.4	63.9	68.2	65.8	63.0	68.1	72.1	74.1	75.4	74.2	70.3
Production.....M ft. b. m.	119,828	121,994	126,739	148,048	165,325	164,929	153,831	165,065	157,143	184,712	210,972	207,107	202,016
Shipments.....M ft. b. m.	155,511	151,488	138,663	165,004	180,306	175,742	163,926	182,679	145,110	176,110	217,885	209,545	199,360
Unfilled orders.....M ft. b. m.	85,281	83,013	78,246	83,958	104,307	113,043	106,932	116,193	99,036	105,021	108,864	112,266	124,362
Western pine:													
New orders.....mill. ft. b. m.	127	128	114	107	141	109	112	87	111	97	177	149	131
Production.....mill. ft. b. m.	125	137	156	135	141	112	66	63	85	98	139	152	183
Shipments.....mill. ft. b. m.	125	119	125	122	125	120	107	107	108	114	164	152	159
Stocks end of month.....mill. ft. b. m.	1,225	1,245	1,230	1,204	1,196	1,174	1,174	1,218	1,262	1,284	1,300	1,330	1,336
VENEER													
Rotary-cut veneer:													
Receipts.....no. of carloads..	85	78	99	79	83	105	118	101	111	106	101	147	100
Purchases.....no. of carloads..	64	92	99	54	50	82	118	138	112	97	101	139	106
Furniture													
Household furniture and case goods:													
Grand Rapids district—													
Cancellations.....per cent new orders..	7.0	6.5	4.5	13.0	8.0	12.0	6.0	7.0	16.0	7.0	9.0	5.0	6.0
New orders.....no. days' production..	15	13	27	9	13	14	13	16	15	22	21	29	18
Outstanding accounts, end of month.....no. days' sales..	36	32	32	31	33	34	35	42	43	48	51	52	40
Plant operations.....per cent full time..	73.0	80.0	74.0	70.0	67.0	64.0	63.0	68.0	71.0	81.0	85.0	89.0	79.0
Shipments.....no. days' production..	16	14	12	11	13	13	13	14	17	18	26	27	18
Unfilled orders, end of month.....no. days' production..	20	22	23	11	15	15	17	18	17	22	20	26	24
Southeastern district—													
Shipments.....dolls., av. per firm..	59,223	55,063	43,077	46,431	52,390	62,382	50,858	36,692	29,051	43,975	70,007	74,123	67,163
Unfilled orders, end of month.....dolls., av. per firm..	47,706	47,997	56,865	19,338	28,248	29,798	34,160	31,781	14,400	19,917	29,117	43,680	42,268
Steel furniture. (See under steel manufactured products.)													
Wholesale prices:													
Beds.....rel. to 1926.....	82.9	85.2	85.2	86.8	90.7	90.7	90.7	90.7	90.7	91.7	91.7	91.7	91.7
Dining-room chairs, sets of six, rel. to 1926.....	92.1	92.1	93.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
Kitchen cabinets.....rel. to 1926.....	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9	102.9
Living-room davenport.....rel. to 1926.....	88.2	88.6	89.8	89.8	93.2	93.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
LEATHER PRODUCTS													
Prices, wholesale, composite.....rel. to 1926.....	90.3	89.8	87.8	88.1	88.4	88.4	89.0	90.8	91.5	93.3	96.7	98.2	99.9
Production index (Fed. Res. Bd.).....rel. to 1923-25.....	102	101	100	107	102	92	87	78	81	81	89	95	95
Production index (elec. energy consumed).....rel. to 1923-25.....	77.1	83.8	85.4	81.0	83.9	71.2	76.1	71.6	68.7	63.0	84.9	73.5	87.7
Stocks, end of month.....rel. to 1923-25.....	78.0	77.6	77.5	78.8	79.4	80.4	81.4	85.1	85.9	84.8	83.9	81.6	80.8
Hides													
Imports—													
Calfskins.....thous. of lbs..	3,731	4,699	2,472	3,804	2,857	1,449	1,107	1,670	1,722	2,202	3,264	2,835	1,463
Cattle hides.....thous. of lbs..	11,870	9,313	7,528	6,812	4,404	6,867	4,149	5,186	6,781	6,781	6,888	12,743	11,389
Goatskins.....thous. of lbs..	7,556	7,686	9,321	8,274	6,100	6,292	3,991	5,863	6,154	5,167	7,268	6,807	8,075
Sheepskins.....thous. of lbs..	3,368	3,313	3,313	3,091	4,453	3,280	2,890	4,040	3,313	1,965	2,821	3,289	4,460
Total, hides and skins.....thous. of lbs..	29,513	28,332	26,053	24,437	19,616	19,468	13,417	20,211	20,471	18,207	21,512	27,598	26,651
Inspected slaughter of livestock:													
Canada—													
Cattle and calves.....thous. of animals..	78	77	92	103	101	85	58	69	75	78	97	84	75
Swine.....thous. of animals..	162	148	164	158	172	154	161	166	170	168	160	140	124
Sheep and lambs.....thous. of animals..	81	71	56	23	27	32	32	37	53	98	185	114	79
United States—													
Cattle.....thous. of animals..	727	706	667	704	690	635	559	651	692	605	836	760	700
Calves.....thous. of animals..	357	356	417	425	471	416	353	379	398	324	438	374	363
Swine.....thous. of animals..	2,500	2,767	3,251	3,408	3,488	3,523	4,142	5,362	4,467	4,024	3,492	2,773	2,724
Sheep.....thous. of animals..	1,598	1,491	1,516	1,444	1,493	1,324	1,223	1,426	1,426	1,305	1,727	1,591	1,413

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
LEATHER PRODUCTS—Continued													
Hides—Continued													
Prices:													
Packers, heavy, native steers (Chicago).....dolls. per lb..	0.113	0.120	0.100	0.085	0.092	0.090	0.073	0.095	0.107	0.118	0.133	0.146	0.136
Calfskins, No. 1, country (Chicago).....dolls. per lb..	.129	.139	.129	.129	.135	.128	.117	.125	.144	.156	.172	.165	.161
Stocks, end of month:													
Calf and kip skins.....thous. of lbs..		42,778	² 38,227	² 36,046	² 34,995	² 33,918	² 35,397	² 38,717	² 40,068	² 41,364	² 39,084	² 37,249	² 39,636
Cattle hides.....thous. of lbs..		206,317	209,697	216,400	220,846	223,182	225,315	235,649	237,392	227,647	227,099	218,446	212,980
Sheep and lamb skins.....thous. of lbs..		35,223	34,034	35,026	32,926	34,168	33,172	33,296	34,489	34,368	34,546	35,490	36,079
Total hides and skins.....thous. of lbs..		284,318	² 281,958	² 287,472	² 288,767	² 291,268	² 293,884	² 307,662	² 311,949	² 303,379	² 300,729	² 291,185	² 288,695
Raw													
Sole and belting:													
Exports (sole only).....thous. of lbs..	459	652	983	1,143	1,442	949	713	726	1,128	825	691	673	374
Price, oak, scoured backs (Boston).....dolls. per lb..	4.00	.370	.370	.370	.370	.370	.365	² .380	.400	.410	.410	.440	.460
Price, oak, scoured backs (Boston).....rel. to 1926..	91.3	84.4	84.4	84.4	84.4	84.4	83.3	86.7	91.3	93.5	93.5	100.4	104.9
Production—													
Sole only.....thous. of backs, bends, sides..		1,097	1,076	1,034	1,137	984	951	1,087	1,226	1,071	1,333	1,330	1,316
Sole and belting.....thous. of lbs..		19,281	19,522	18,388	20,406	18,219	17,386	19,559	21,993	18,777	23,418	23,137	23,223
Stocks, end of month—													
Finished.....thous. of lbs..		81,906	85,626	85,848	87,196	88,044	90,321	91,827	90,878	86,331	84,036	81,569	80,018
In process of tanning.....thous. of lbs..		67,212	67,070	67,938	68,933	71,122	72,488	73,261	74,135	77,485	78,815	80,895	84,367
Upper leather:													
Exports.....thous. of sq. ft..	6,635	7,463	9,234	9,211	8,752	9,347	7,700	9,133	8,118	7,451	9,838	8,813	8,367
Price, composite, chrome, calf, black "B" grade.....dolls. per sq. ft..	.348	.350	.352	.356	.353	.352	.354	.359	² .355	.367	.372	.372	.371
Production.....thous. of sq. ft..		67,234	63,229	60,542	62,536	61,515	54,706	52,225	² 57,888	² 51,848	65,339	63,304	61,477
Stocks—													
Finished.....thous. of sq. ft..		246,424	² 250,612	254,142	257,195	261,057	264,392	² 272,866	² 280,856	279,023	270,902	255,787	254,020
In process of tanning.....thous. of sq. ft..		128,435	126,684	124,330	125,722	127,867	128,967	129,513	² 127,785	133,357	137,513	141,495	143,063
Manufactures													
Gloves cut.....dozen pairs..		164,205	182,077	171,968	191,120	175,988	158,485	162,388	157,079	236,263	236,911	219,548	241,146
Shoes:													
Exports.....thous. of pairs..	132	140	167	194	177	185	130	130	208	270	269	256	263
Prices, wholesale—													
Men's black calf blucher (Boston).....dolls. per pair..	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6.75
Men's dress welt tanned calf, oxford (St. Louis).....dolls. per pair..	4.35	4.35	4.49	4.60	4.60	4.60	4.60	4.60	4.72	4.85	4.85	4.85	4.85
Women's black kid, McKay sewed.....dolls. per pair..	3.15	3.15	3.25	3.25	3.25	3.25	3.25	3.25	3.45	3.55	3.55	3.55	3.55
Production—													
Total.....thous. of prs..		28,414	27,839	28,452	29,888	29,364	23,971	19,889	17,537	18,541	27,731	29,334	28,429
Men's.....thous. of prs..		7,315	7,244	6,735	6,641	6,254	5,687	5,250	5,034	4,740	6,436	6,568	6,607
Boys' and youths'.....thous. of prs..		1,676	1,605	1,647	1,768	1,654	1,438	1,418	1,262	1,271	1,558	1,609	1,653
Women's.....thous. of prs..		10,337	9,596	10,058	11,042	11,888	9,644	7,573	5,401	5,034	10,385	11,856	11,578
Misses' and children's.....thous. of prs..		2,836	2,835	3,128	3,846	3,712	2,983	2,495	2,003	1,769	2,393	2,742	2,895
Shippers, all types.....thous. of prs..		3,412	2,974	2,812	2,454	2,045	1,370	853	2,044	3,953	4,684	4,292	3,460
All other footwear.....thous. of prs..		2,838	3,585	4,072	4,137	3,811	2,849	2,300	1,793	1,774	2,275	2,267	2,236
IRON AND STEEL													
New orders.....rel. to 1923-25..	47.5	56.2	59.0	57.9	83.6	74.5	59.9	66.9	70.9	58.0	67.8	70.7	74.4
Prices, wholesale.....rel. to 1926..	86.6	87.1	86.9	87.2	87.5	88.1	88.4	88.1	88.0	88.3	88.6	89.5	90.1
Production index (Fed. Res. Bd.).....rel. to 1923-25..	51	59	64	72	75	78	73	64	59	65	² 74	² 85	² 92
Production index (elect. energy consumed).....rel. to 1923-25..	78.0	83.1	86.6	106.8	108.1	119.4	116.5	103.4	110.2	106.5	126.0	110.3	112.0
Stocks, manufactured goods, end of month.....rel. to 1923-25..	128.6	² 130.1	136.6	138.9	142.8	145.7	141.1	141.7	146.4	146.1	147.1	145.3	143.3
Unfilled orders, end of month.....rel. to 1923-25..		57.6	60.3	62.4	67.4	69.6	68.6	71.6	76.3	69.4	67.4	67.9	70.5
Ore													
Iron ore:													
Consumption.....thous. of long tons..	1,652	1,832	2,114	2,675	2,826	2,835	2,368	2,350	2,339	2,640	3,050	3,282	3,673
Imports.....thous. of long tons..	92	128	122	194	163	169	95	150	176	74	186	215	178
Receipts—													
Lake Erie ports and furnaces.....thous. of long tons..	3,229	3,191	2,369	599	9	0	0	0	0	1,634	4,011	4,721	5,586
Other ports.....thous. of long tons..	1,658	1,735	1,428	656	106	0	0	0	0	993	1,675	1,891	2,492
Shipments from mines.....thous. of long tons..	5,065	4,956	3,508	1,769	176	0	0	0	0	1,988	5,531	6,488	8,252
Stocks end of month—													
At furnaces.....thous. of long tons..	29,385	26,451	23,556	21,968	23,292	25,751	28,247	30,430	32,618	34,761	34,750	32,323	29,397
On Lake Erie docks.....thous. of long tons..	5,686	5,366	5,157	5,147	5,430	5,765	6,011	6,190	6,331	6,466	6,342	6,043	5,541
Total.....thous. of long tons..	35,071	31,817	28,713	27,115	28,722	31,516	34,258	36,620	38,949	41,227	41,092	38,366	34,938
Manganese ore:													
Imports.....thous. of long tons..	22	38	37	21	33	2	10	17	29	10	18	22	8
Iron—Crude													
Gray-iron castings:													
Production.....av. tons per foundry..	99	101	108	126	122	122	108	101	103	106	137	135	127
New business.....av. tons per foundry..	79	92	82	105	123	134	107	97	101	77	98	100	108
Unfilled orders.....av. tons per foundry..	70	70	60	77	93	98	84	68	80	53	56	85	104
Material received.....av. tons per foundry..	123	117	123	134	140	136	118	131	112	135	142	150	141
Material on hand.....av. tons per foundry..	231	226	229	232	252	261	268	309	273	260	292	254	268
Malleable castings:													
New orders.....short tons..	18,305	² 19,400	22,176	28,208	36,086	34,331	32,566	32,676	26,433	27,451	24,171	26,251	25,409
Operating activities.....per ct. of capacity..	18.8	² 20.1	24.5	32.1	36.3	35.9	34.4	31.5	31.1	27.8	29.0	27.2	26.2
Production.....short tons..	18,373	² 19,943	23,837	31,344	36,076	35,210	33,587	31,267	30,431	27,114	28,785	26,528	25,614
Shipments.....short tons..	20,301	² 23,511	28,132	36,686	37,693	36,677	32,663	31,536	27,474	25,974	29,206	29,223	31,845

² Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
IRON AND STEEL—Continued													
Iron—Crude—Continued													
Pig-iron production:													
Canada.....thous. of long tons.....		40	56	51	54	57	46	36	38	46	40	49	57
Merchant furnaces.....thous. of long tons.....	297	371	336	410	404	356	317	292	396	375	373	407	513
United States, total.....thous. of long tons.....	1,281	1,463	1,639	1,994	2,020	2,032	1,707	1,714	1,666	1,867	2,165	2,277	2,524
United States, total.....rel. to 1923-25.....	42.9	49.0	54.9	66.7	67.6	68.0	57.1	57.4	55.8	62.5	72.5	76.2	84.5
Pig-iron furnaces in blast, end of month:													
Furnaces, end of month.....number.....	76	82	91	105	113	116	108	102	95	107	111	123	139
Capacity, end of month.....long tons per day.....	39,085	45,230	50,855	61,085	66,980	67,880	61,850	57,365	51,330	60,205	65,965	73,525	80,620
Prices, wholesale:													
Basic (valley furnace).....dolls. per long ton.....	15.50	15.50	15.50	16.25	16.50	16.50	16.75	17.00	17.00	17.00	17.00	17.60	18.00
Basic (valley furnace).....rel. to 1926.....	83.6	83.6	83.6	87.6	89.0	89.0	90.3	91.7	91.7	91.7	91.7	94.9	97.0
Composite pig-iron.....dolls. per long ton.....	16.38	16.38	16.40	16.64	16.75	16.72	16.82	16.94	17.01	17.14	17.30	17.70	17.99
Foundry, No. 2, northern													
(Pittsburgh).....dolls. per long ton.....	18.76	18.76	18.76	18.76	18.76	18.26	18.51	18.76	18.76	18.76	18.89	19.56	19.76
Foundry, No. 2, northern													
(Pittsburgh).....rel. to 1926.....	91.0	91.0	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.6	94.9	95.8
Iron—Manufactured Products													
Cast-iron boilers:													
Gas-fired boilers—													
Production.....thous. B. t. u.....	208,072	201,956	178,101	174,244	227,605	210,584	178,224	163,390	85,399	85,328	250,001	286,748	268,664
Shipments.....thous. B. t. u.....	195,946	155,723	156,789	154,650	150,227	95,765	114,593	98,397	221,775	149,507	359,206	334,266	364,861
Shipments.....dollars.....	213,852	159,568	166,923	148,749	149,057	94,251	116,186	92,702	181,966	202,835	445,101	396,788	430,365
Stocks, end of month.....mills. B. t. u.....	1,106	1,089	1,069	1,014	997	916	797	721	621	759	885	940	949
Round boilers—													
New orders.....thous. of lbs.....	7,204	5,520	4,948	4,525	3,741	4,311	3,912	6,412	7,193	9,495	14,521	11,894	7,392
Production.....thous. of lbs.....	4,662	3,977	4,654	5,069	6,553	4,864	5,509	4,109	3,614	5,910	8,291	6,321	4,603
Shipments.....thous. of lbs.....	7,309	6,071	5,055	4,787	4,232	4,071	4,183	5,724	7,131	10,041	17,774	12,162	8,736
Stocks, end of month.....thous. of lbs.....	53,558	57,274	59,876	59,770	60,221	57,794	56,878	54,997	51,657	53,686	59,134	68,182	72,967
Square boilers—													
New orders.....thous. of lbs.....	19,967	14,765	12,200	10,049	8,091	9,771	9,122	11,500	17,723	21,377	33,760	32,259	22,271
Production.....thous. of lbs.....	15,264	13,028	13,256	13,140	15,951	14,700	15,957	14,689	10,857	12,858	23,068	15,920	10,066
Shipments.....thous. of lbs.....	19,413	15,184	11,422	9,537	8,448	8,851	8,632	12,082	16,837	21,480	39,158	31,595	24,178
Stocks, end of month.....thous. of lbs.....	137,143	139,469	141,522	139,773	138,840	129,643	124,238	117,622	109,835	115,313	121,666	140,508	155,184
Cast-iron fittings:													
Production.....short tons.....	4,059	4,165	4,976	5,603	5,763	6,288	6,446	6,506	7,188	9,122	7,684	8,587	8,596
Shipments.....short tons.....	4,779	4,508	5,088	5,379	5,665	5,897	6,758	5,358	7,222	9,995	8,804	8,596	8,596
Malleable fittings:													
Production.....short tons.....	2,114	2,365	2,471	3,075	3,290	3,379	3,236	3,209	3,322	4,061	3,382	3,806	3,806
Shipments.....short tons.....	2,330	2,489	2,784	2,995	3,242	3,432	3,533	2,603	3,108	4,041	3,563	3,615	3,615
Radiators:													
New orders.....thous. sq. ft. heating surface.....	8,365	6,606	6,428	4,863	4,330	4,451	4,483	6,267	7,471	9,089	11,220	11,350	8,933
Production.....thous. sq. ft. heating surface.....	4,572	4,194	5,025	5,164	5,957	6,781	6,801	4,097	4,791	5,852	4,643	5,366	5,366
Shipments.....thous. sq. ft. heating surface.....	7,960	6,834	5,759	5,003	4,293	4,013	4,410	6,091	6,866	9,118	12,390	10,347	9,520
Stocks, end of month.....thous. sq. ft. heating surface.....	44,834	47,414	50,183	50,953	50,632	48,978	45,969	43,613	38,702	41,420	45,626	51,964	57,560
Steel—Crude													
Prices, wholesale:													
Composite, finished steel													
.....dolls. per 100 lbs.....	2.19	2.20	2.19	2.21	2.22	2.23	2.22	2.22	2.19	2.20	2.22	2.24	2.26
Iron and steel composite													
.....dolls. per long ton.....	31.05	31.05	31.02	31.39	31.61	31.66	31.65	31.70	31.76	31.95	32.31	32.67	33.01
Steel billets, Bessemer													
(Pittsburgh).....dolls. per long ton.....	29.00	29.00	29.00	29.50	30.00	30.00	30.00	30.00	30.60	31.00	31.00	31.00	31.00
Steel billets, Bessemer (Pittsburgh).....rel. to 1926.....	82.9	82.9	82.9	84.3	85.7	85.7	85.7	85.7	87.4	88.6	88.6	88.6	88.6
Structural-steel beams (Pittsburgh).....dolls. per 100 lbs.....	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60	1.65
Structural-steel beams (Pittsburgh).....rel. to 1926.....	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7	84.3
Sheets, black, blue, galvanized, and full finished:													
New orders.....net tons.....	122,849	144,461	163,599	148,612	191,987	236,310	168,564	180,863	233,289	135,682	158,700	214,454	148,969
Production—													
Per cent of capacity.....per cent.....	34.9	46.3	40.3	56.6	58.2	61.1	57.2	45.1	39.8	43.6	50.6	48.8	48.6
Total.....net tons.....	123,752	174,890	147,843	201,846	213,608	224,322	192,218	167,865	145,125	148,550	193,934	179,928	173,956
Shipments.....net tons.....	151,529	178,460	156,160	191,942	211,118	208,207	179,138	170,379	144,040	158,182	193,516	186,639	205,774
Stocks, end of month—													
Unsold.....net tons.....	75,288	77,953	75,618	82,532	85,415	89,334	92,047	87,496	83,629	96,248	91,024	88,363	82,315
Total.....net tons.....	149,533	160,959	168,013	169,444	176,846	189,915	181,614	180,285	184,590	184,586	189,213	185,791	182,240
Unfilled orders, end of month.....net tons.....	170,122	203,358	304,107	296,731	325,169	383,280	343,439	360,479	378,601	295,282	319,518	388,599	373,148
Steel castings:													
New orders—													
Total.....short tons.....	28,016	32,869	26,136	39,052	46,039	48,184	40,320	46,810	49,387	48,123	45,552	49,542	50,370
Miscellaneous.....short tons.....	21,168	19,248	18,539	27,746	29,844	37,172	31,184	32,092	30,131	31,628	32,344	38,394	35,085
Railroad specialties.....short tons.....	6,848	13,621	7,597	11,306	16,195	11,012	9,136	14,718	19,256	16,495	13,208	11,148	15,285
Per cent of capacity.....per cent.....	19	23	18	27	32	33	28	32	34	33	32	34	35
Production—													
Total.....short tons.....	30,920	31,751	35,018	43,154	48,282	56,755	49,548	46,264	46,290	44,290	59,522	61,919	64,303
Miscellaneous.....short tons.....	22,263	23,339	25,608	31,083	35,439	42,544	35,638	35,351	32,093	32,445	43,840	44,096	43,575
Railroad specialties.....short tons.....	8,657	8,412	9,410	12,071	12,843	14,211	13,910	10,943	14,197	11,845	15,682	17,823	20,728
Per cent of capacity.....per cent.....	21	22	24	30	33	39	34	32	32	31	41	43	45
Steel ingots, production:													
Canada.....thous. of long tons.....		45	56	75	91	99	83	58	56	72	65	56	58
United States, total.....thous. of long tons.....	1,719	2,186	2,076	2,505	2,722	2,994	2,502	2,459	1,980	2,212	2,693	2,840	3,061
United States, total.....rel. to 1923-25.....	49.7	54.6	60.1	72.5	78.7	86.6	72.4	71.1	57.3	64.0	77.9	82.2	88.5
Per cent of capacity.....per cent.....	31	34	38	45	49	54	49	43	38	44	50	55	59
U. S. Steel Corporation:													
Earnings.....thous. of dolls.....			4,499	4,183	5,136	7,191	6,156	6,118	4,191	7,949	10,943	11,515	13,000
Unfilled orders, end of month.....thous. of long tons.....	3,169	3,405	3,479	3,620	3,898	3,995	3,965	4,132	3,944	3,640	3,482	3,424	3,580
Unfilled orders, end of month.....rel. to 1923-25.....	66.4	71.3	72.9	75.8	81.6	83.7	83.0	86.5	82.6	76.2	72.9	71.7	75.0

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
IRON AND STEEL—Continued													
Steel—Manufactured Products													
Furniture, steel:													
Business group—													
New orders.....thous. of dolls..	1,010	1,092	1,272	1,306	1,424	1,487	1,478	1,840	1,591	1,587	1,833	1,796	1,725
Shipments.....thous. of dolls..	1,056	1,074	1,221	1,305	1,481	1,522	1,563	1,768	1,774	1,632	1,902	1,854	1,928
Unfilled orders, end of month.....thous. of dolls..	919	966	948	897	896	952	986	1,072	999	1,182	1,227	1,297	1,355
Shelving—													
New orders.....thous. of dolls..	307	328	452	506	408	455	401	418	283	468	587	553	579
Shipments.....thous. of dolls..	358	371	449	409	423	481	382	422	515	503	645	542	604
Unfilled orders, end of month.....thous. of dolls..	390	441	483	480	383	398	424	404	409	641	676	734	723
Iron, steel, and heavy hardware, sales.....rel. to Jan., 1921..			124	129	134	123	104	110	123	139	175	165	161
Iron and steel:													
Exports.....long tons..	73,338	84,466	75,585	91,407	101,081	109,512	91,212	92,745	101,988	111,968	131,850	131,211	151,235
Imports.....long tons..	20,995	27,436	29,365	28,107	38,702	31,044	20,513	31,706	24,338	34,572	29,730	29,793	27,408
Lock washers, shipments.....thous. of dolls..			122	172	179	177	163	140	115	119	153	160	173
Steel barrels:													
Production.....barrels..	449,590	580,565	552,955	610,788	591,399	550,583	450,134	421,814	412,283	497,539	616,121	564,927	553,842
Per cent of capacity.....per cent..	31.6	40.7	38.9	43.1	41.9	39.9	33.1	32.6	30.3	36.5	44.1	40.3	39.6
Shipments.....barrels..	455,502	581,450	549,781	618,801	600,566	554,332	449,485	427,622	406,327	500,409	619,558	565,204	552,265
Stocks, end of month.....barrels..	38,692	44,604	45,489	42,315	50,328	59,495	63,244	62,595	68,403	62,447	65,317	68,754	69,031
Unfilled orders, end of month.....thous. of barrels..	1,030	939	1,078	1,053	1,195	1,253	1,392	1,424	1,437	929	986	1,011	1,114
Steel bars, cold finished, shipments.....short tons..			16,360	22,768	25,141	25,011	21,727	21,943	15,747	15,456	20,521	19,338	19,086
Steel boilers, new orders:													
Area.....thous. of sq. ft..	595	687	677	603	825	665	622	577	587	709	851	1,282	1,357
Quantity.....number..	827	816	818	658	689	630	516	598	814	777	1,189	1,254	1,371
Steel plate, fabricated, new orders:													
Total.....short tons..	23,858	27,261	22,806	26,210	29,916	31,056	24,438	27,518	26,787	33,151	30,197	41,066	36,513
Oil storage tanks.....short tons..	1,138	4,136	4,679	2,411	7,749	2,538	3,585	2,598	5,118	9,965	4,518	14,916	10,056
Structural steel, fabricated:													
New orders—													
Computed total.....short tons..	124,400	159,200	177,200	152,800	292,800	184,400	158,400	162,400	152,800	151,200	209,200	155,600	252,000
Per cent of capacity.....per cent..	31.1	39.8	44.3	38.2	73.2	46.1	39.6	40.6	38.2	37.8	52.3	38.9	63.0
Shipments—													
Computed total.....short tons..	168,800	181,600	162,400	148,000	158,400	151,200	166,400	172,000	168,400	195,200	239,200	243,200	262,400
Per cent of capacity.....per cent..	42.2	45.4	40.6	37.0	39.6	37.8	41.6	43.0	42.1	48.8	59.8	60.8	65.6
Track work, production.....short tons..	3,924	4,409	5,705	7,453	8,564	8,944	6,321	5,626	5,174	4,212	5,192	5,642	6,812
Enameled Ware													
Baths:													
New orders.....no. of pieces..	33,601	46,704	43,228	42,991	40,111	33,196	28,041	56,494	52,254	30,813	43,750	41,799	48,449
Shipments.....no. of pieces..	36,544	47,922	43,584	45,512	40,449	34,938	30,616	68,564	36,008	35,489	48,547	47,970	51,836
Stocks, end of month.....no. of pieces..	136,922	138,759	145,140	152,206	163,037	166,158	160,851	148,909	167,932	168,808	166,248	162,302	165,687
Unfilled orders, end of month.....no. of pieces..	12,949	15,892	17,110	17,466	19,987	20,325	22,067	24,642	36,712	20,466	25,142	29,339	36,110
Lavatories:													
New orders.....no. of pieces..	41,859	53,226	49,181	51,395	45,440	33,851	30,883	71,113	72,493	41,227	52,509	54,369	55,062
Shipments.....no. of pieces..	44,137	53,585	50,575	54,520	43,221	36,642	34,438	93,870	48,023	47,078	58,273	62,369	59,130
Stocks, end of month.....no. of pieces..	185,667	192,552	209,841	218,067	232,277	230,817	212,395	192,072	214,472	205,517	204,496	185,515	187,150
Miscellaneous sanitary ware:													
New orders.....no. of pieces..	26,421	27,106	27,463	21,243	22,995	18,641	15,781	29,785	25,092	21,453	27,840	28,449	28,365
Shipments.....no. of pieces..	27,749	29,082	26,453	24,490	21,719	18,811	17,768	33,527	19,680	22,065	29,142	31,485	29,807
Stocks, end of month.....no. of pieces..	84,582	94,260	98,384	101,673	107,917	109,508	107,439	106,152	112,460	108,795	106,858	100,585	101,920
Sinks:													
New orders.....no. of pieces..	40,707	51,341	49,628	54,693	52,771	41,532	35,873	63,074	61,567	44,897	58,504	57,606	55,785
Shipments.....no. of pieces..	43,067	52,963	51,676	56,845	49,443	41,787	39,211	80,095	43,968	51,027	61,436	64,044	62,454
Stocks, end of month.....no. of pieces..	230,630	245,354	255,269	260,426	273,154	267,828	259,442	244,880	261,800	253,374	246,632	243,845	254,426
Small ware (except baths):													
Unfilled orders, end of month.....no. of pieces..	39,714	45,680	49,637	51,769	60,293	53,470	56,686	65,566	109,086	61,605	74,198	84,246	101,720
Shipbuilding													
Rate of activity (elec. energy consumed).....rel. to 1923-25..	85.6	82.0	84.8	89.7	92.5	98.3	114.8	113.9	99.0	105.5	121.5	124.1	122.8
Building or under contract, end of month—													
Merchant vessels.....thous. of gross tons..		326	359	370	397	409	412	421	344	359	366	423	489
Completed during month—													
Total.....gross tons..	11,554	30,471	22,647	34,527	13,766	17,443	25,622	29,413	25,971	53,551	51,667	32,083	75,030
Steel, seagoing.....gross tons..	7,150	25,363	16,964	28,613	4,985	13,976	9,703	21,045	18,391	39,830	16,895	20,125	33,302
Machinery													
Electric hoists:													
New orders—													
Quantity.....no. of hoists..	203	192	220	293	276	261	205	335	231	267	259	274	283
Value.....dollars..	88,526	90,964	109,245	142,962	125,550	117,216	113,862	133,295	126,592	122,136	141,615	149,861	124,737
Shipments.....dollars..	73,163	142,143	122,189	115,809	101,746	134,995	112,363	132,157	106,459	115,849	137,608	140,598	145,979
Electric overhead cranes:													
New orders.....thous. of dolls..	91	160	261	307	274	671	268	423	302	370	353	614	522
Shipments.....thous. of dolls..	345	435	410	310	416	261	530	496	671	587	677	942	729
Unfilled orders, end of month.....thous. of dolls..	736	990	1,264	1,413	1,420	1,552	1,207	1,407	1,517	1,864	1,948	2,124	2,527
Foundry equipment:													
New orders.....rel. to 1922-24..	16.9	38.7	40.9	54.1	57.7	174.4	54.7	65.3	59.8	45.3	50.0	91.0	85.2
Shipments.....rel. to 1922-24..	37.4	55.7	90.4	118.6	69.7	72.9	55.4	54.7	102.6	76.5	62.0	66.0	82.6
Unfilled orders, end of month.....rel. to 1922-24..	32.1	51.8	70.1	123.8	180.1	314.6	93.5	94.6	82.3	124.9	159.1	170.8	140.2
Machine tools:													
New orders.....rel. to 1922-24..	72	62	74	87	105	118	84	67	69	60	90	136	114
Shipments.....rel. to 1922-24..	96	72	95	96	91	92	73	75	85	67	103	96	120
Unfilled orders, end of month.....rel. to 1922-24..	182	202	212	232	238	225	204	179	203	230	238	268	223
Oil burners:													
New orders.....no. of burners..	10,621	8,010	6,046	5,132	5,528	4,836	3,699	3,842	5,026	6,861	18,152	16,457	11,581
Shipments.....no. of burners..	10,035	7,491	6,044	5,562	5,248	4,406	3,531	4,046	5,025	7,855	18,580	17,036	11,354
Stocks, end of month.....no. of burners..	10,155	10,113	9,193	8,553	10,036	8,603	8,603	8,572	8,604	8,319	8,677	10,304	10,940
Unfilled orders, end of month.....no. of burners..	2,076	1,490	971	969	1,399	1,119	689	521	725	724	1,718	2,146	2,725

Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown her may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
IRON AND STEEL—Continued													
Machinery—Continued													
Patents granted:													
Agricultural implements.....number.....	54	55	79	60	67	67	44	41	58	52	41	43	27
Internal-combustion engines.....number.....	69	60	67	58	68	68	76	58	67	54	49	35	30
Total, all classes.....number.....	4,088	3,962	5,270	4,270	4,167	4,789	3,715	3,215	4,251	3,023	2,871	2,871	2,423
Pulverized-fuel equipment:													
New orders, central system—													
Furnaces and kilns.....no. of pulverizers.....		0	0	0	0	0	2	0	0	0	0	2	1
Water-tube boilers.....no. of pulverizers.....		0	0	0	2	2	1	2	0	0	0	0	0
New orders, unit system—													
Fire-tube boilers.....no. of pulverizers.....		5	4	3	1	2	3	6	0	5	0	6	3
Furnaces and kilns.....no. of pulverizers.....		1	3	1	1	2	0	0	3	2	2	3	3
Water-tube boilers.....no. of pulverizers.....		11	14	0	9	13	2	8	3	15	10	24	4
Pumps:													
Domestic shipments—													
Pitcher, hand, and wind-mill.....no. of units.....	22,379	24,579	26,330	22,417	24,255	25,181	32,902	24,873	23,056	21,562	26,917	36,834	38,902
Power, horizontal type.....no. of units.....	2,197	2,312	2,229	2,135	2,145	2,172	1,657	1,564	1,325	1,238	1,992	1,881	2,378
Steam, power, and centrifugal—													
New orders.....thous. of dolls.....	775	874	875	921	1,075	950	765	773	1,047	967	1,027	1,212	1,362
Shipments.....thous. of dolls.....	800	944	1,028	1,037	918	1,036	873	718	1,205	1,116	1,167	1,183	1,367
Unfilled orders, end of month.....thous. of dolls.....	2,450	2,441	2,471	2,605	2,762	2,616	2,717	2,826	2,812	2,975	3,124	3,267	3,259
Stokers, mechanical, sales:													
Power.....horsepower.....	31,171	20,735	29,889	23,646	18,723	17,993	13,849	25,902	11,726	21,103	38,276	42,899	29,988
Quantity.....number.....	132	101	111	80	65	63	66	85	53	71	92	128	115
Water-softening apparatus, shipments.....no. of units.....	429	525	567	605	692	756	591	604	566	647	655	684	683
Water-systems, shipments.....no. of units.....	7,850	7,640	8,594	9,090	7,638	6,105	5,434	6,010	5,177	6,401	7,522	8,202	9,220
Wood-working machinery:													
Cancellations.....thous. of dolls.....	6	16	46	21	10	16	13	9	21	16	17	17	12
New orders.....thous. of dolls.....	447	533	503	487	484	527	474	486	470	459	605	648	498
Shipments.....thous. of dolls.....	572	448	463	513	451	545	491	383	500	506	564	516	606
Shipments.....no. of machines.....	513	421	391	393	356	400	421	400	529	442	441	488	694
Unfilled orders, end of month.....thous. of dolls.....	356	534	479	516	518	479	502	557	467	520	636	588	470
NONFERROUS METALS AND PRODUCTS													
Prices, wholesale, metal and metal products.....rel. to 1926.....	87.1	87.5	87.4	87.8	88.7	89.0	88.9	89.3	90.0	90.2	90.4	91.8	92.7
Production index (Fed. Res. Bd.).....rel. to 1923-25.....	64	65	68	73	73	77	79	78	85	87	95	97	96
Production index (elec. energy consumed).....rel. to 1923-25.....	73.3	69.3	78.6	94.0	94.6	103.5	112.3	95.0	97.8	89.6	87.0	97.4	95.2
Stocks, end of month.....rel. to 1923-25.....	203.3	203.3	213.7	219.3	220.4	219.9	224.4	227.4	228.1	231.1	234.1	223.3	213.4
Stocks, raw materials, end of month.....rel. to 1923-25.....	146.8	137.7	127.7	122.4	126.9	144.8	130.7	130.9	129.6	139.8	134.1	137.0	137.2
Raw Materials													
Babbitt metal consumption:													
Direct by producers.....thous. of lbs.....	404	511	702	731	716	832	687	766	647	791	1,033	1,042	954
Sale to consumers.....thous. of lbs.....	1,377	1,420	1,605	1,678	1,844	1,829	1,820	2,090	1,459	1,904	2,069	1,850	1,964
Total apparent.....thous. of lbs.....	1,781	1,932	2,307	2,409	2,560	2,661	2,507	2,856	2,107	2,695	3,101	2,892	2,918
Copper:													
Exports.....short tons.....	19,271	22,381	23,244	22,951	24,179	31,536	28,947	42,192	32,208	37,773	30,715	30,478	33,141
Domestic shipments, refined.....short tons.....	45,816	43,144	50,217	45,265	54,567	74,685	60,636	60,209	69,854	62,693	75,703	65,169	56,810
Price, wholesale, electrolytic (N. Y.).....dolls. per lb.....	.0729	.0770	.0803	.0867	.0939	.0985	.0972	.0984	.1030	.1011	.0960	.1031	.1069
Production—													
Index (Fed. Res. Bd.).....rel. to 1923-25.....	59	59	67	68	69	70	76	72	76	83	83	89	84
Mines.....short tons.....	38,925	38,228	44,473	45,580	46,452	48,702	47,504	48,059	48,726	53,141	55,954	56,584	56,136
Refined (N. and S. America).....short tons.....	90,190	96,408	98,275	102,695	100,501	102,058	99,853	102,458	106,366	112,646	118,229	116,004	120,778
Smelters.....short tons.....	47,246	46,503	51,652	53,734	52,085	57,922	55,229	53,429	60,022	64,816	70,419	68,487	66,698
Stocks (N. and S. America), end of month—													
Blister.....short tons.....	176,105	179,658	187,353	190,578	193,876	198,811	203,224	210,637	218,799	223,280	240,145	235,464	234,135
Refined.....short tons.....	455,775	440,417	413,474	398,667	367,921	354,205	363,629	363,827	367,175	369,832	364,930	360,650	347,688
Refined.....rel. to 1923-25.....	402.6	389.1	365.3	352.2	325.0	312.9	321.2	321.4	324.4	326.7	322.4	318.6	307.1
World production, blister.....short tons.....		121,260	126,722	130,486	128,877	136,958	128,685	129,390	136,252	143,214	157,344	156,705	154,743
Lead:													
Ore shipments—													
Joplin district.....short tons.....		2,290	1,432	1,881	1,995	3,762	2,508	2,721	2,896	3,963	3,331	2,746	3,673
Utah.....short tons.....	27,711	31,577	28,806	41,576	34,816	35,498	46,902	55,331	48,705	48,400	63,584	52,907	60,978
Production, refined.....short tons.....	30,249	32,157	30,708	39,519	35,498	41,775	39,464	43,405	48,517	43,423	50,402	48,491	52,980
Production (Fed. Res. Bd.).....rel. to 1923-25.....	61	64	60	78	71	79	82	83	92	83	94	101	106
Price, pig, desilverized (New York).....dolls. per lb.....	.0440	.0440	.0392	.0382	.0441	.0453	.0455	.0480	.0510	.0510	.0515	.0550	.0540
Receipts in United States, ore.....short tons.....	30,136	32,551	35,677	34,694	34,694	37,878	35,512	42,110	40,462	38,820	46,237	48,354	45,542
Tin:													
Deliveries (consumption).....long tons.....	5,270	5,100	5,185	5,505	6,630	6,120	5,100	7,210	7,495	6,270	7,580	7,250	5,695
Imports (bars, blocks, etc.).....long tons.....	5,249	5,587	4,698	5,483	6,126	6,986	5,903	8,113	6,659	6,470	5,929	5,523	5,979
Price, wholesale, Straits (New York).....dolls. per lb.....	.2575	.2502	.2341	.2320	.2512	.2707	.2631	.2610	.2527	.2589	.2686	.2964	.3002
Price, wholesale, Straits (New York).....rel. to 1926.....	39.4	38.3	35.8	35.5	38.5	41.5	40.3	40.0	38.7	39.6	41.1	45.4	40.0
Stocks, end of month—													
United States.....long tons.....	6,213	5,833	5,633	5,698	6,212	7,917	5,862	4,904	4,693	5,372	4,823	6,323	7,533
World visible supply.....long tons.....	50,987	51,707	51,626	51,231	48,462	48,607	49,339	43,619	42,498	40,811	39,676	40,150	43,805
Zinc:													
Ore, Joplin district—													
Shipments.....short tons.....		12,059	14,395	22,470	27,261	17,163	25,389	25,987	31,056	39,478	33,474	32,122	37,994
Stocks, mines, end of month.....short tons.....		76,566	70,935	65,480	61,110	63,001	58,534	56,013	47,000	49,441	45,689	41,663	38,565
Price, slab, prime western (St. Louis).....dolls. per lb.....	.0382	.0389	.0342	.0331	.0372	.0400	.0401	.0404	.0410	.0427	.0406	.0427	.0436
Price, slab, prime western (St. Louis).....rel. to 1926.....	52.0	53.0	46.6	45.1	50.7	54.5	54.6	55.0	55.9	58.2	55.3	58.2	59.4
Production.....short tons.....	21,467	21,365	23,483	25,688	29,137	32,328	29,562	32,522	32,733	32,097	40,922	40,470	41,012
Retorts in operation, end of month.....number.....	21,705	21,666	21,422	23,024	29,072	34,221	35,518	35,635	33,640	37,492	41,004	44,974	50,404
Stocks, end of month.....short tons.....	129,701	131,833	138,928	143,049	143,212	141,493	144,389	145,076	143,618	145,139	143,327	134,835	126,835

Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
NONFERROUS METALS AND PRODUCTS—Continued													
Manufactured Products													
Electrical equipment:													
Deficient accounts, electrical trade. (See under Distribution movement.)													
Electric furnaces, new orders.....kilowatts.	3, 975	1, 956	1, 732	2, 680	1, 791	2, 046	2, 358	4, 599	1, 489	2, 202	3, 317	2, 866	5, 012
Electric goods, new orders (quarterly).....thous. of dolls.			225, 457			182, 486			208, 936			228, 733	
Electrical porcelain, shipments:													
Glazed nail knobs.....thous. of pieces.	1, 643	1, 842	1, 263	2, 061	2, 144	1, 458	2, 523	2, 253	2, 007	1, 834	2, 044	2, 453	2, 218
Special.....dollars.	74, 183	66, 906	77, 194	78, 983	76, 313	78, 716	80, 471	86, 976	91, 564	93, 677	131, 815	99, 576	111, 029
Standard.....dollars.	38, 303	33, 042	41, 331	57, 462	52, 009	52, 599	64, 823	87, 794	51, 016	47, 994	73, 659	65, 551	69, 656
Tubes.....thous. of pieces.	971	516	592	1, 309	890	783	1, 125	875	522	601	1, 156	334	1, 146
Un glazed nail knobs.....thous. of pieces.	901	562	929	2, 323	1, 284	1, 224	1, 386	1, 752	1, 159	1, 164	1, 615	1, 222	1, 605
Industrial reflectors, sales.....units.		61, 794	96, 188	67, 256	72, 003	69, 484	68, 285	65, 501	76, 659	115, 736	113, 316	125, 786	127, 608
Laminated phenolic products, shipments.....thous. of dolls.	637	623	637	711	633	689	630	605	551	674	1, 023	854	789
Manufactured mica—													
Shipments.....thous. of dolls.	103	81	92	128	135	142	137	133	101	132	150	141	122
Unfilled orders, end of month.....thous. of dolls.	87	100	97	119	138	110	141	105	104	90	104	107	109
Motors (direct current)—													
Billings (shipments).....dollars.	360, 444	450, 185	455, 325	473, 767	445, 833	418, 228	393, 558	500, 165	433, 530	621, 114	596, 670	708, 095	
New orders.....dollars.	377, 129	402, 130	440, 476	536, 272	396, 958	450, 204	680, 251	617, 434	457, 518	474, 611	820, 444	719, 846	
Nonmetallic conduits, shipments.....thous. of feet.	840	2, 777	2, 447	4, 091	5, 112	3, 508	3, 667	3, 997	2, 417	3, 713	4, 067	4, 235	3, 397
Power cables, shipments.....thous. of feet.		890	1, 106	1, 303	1, 619	1, 630	1, 326	1, 139	1, 678	1, 824	1, 957	2, 108	2, 260
Power switching equipment, new orders—													
Indoor.....dollars.	47, 041	52, 697	73, 567	111, 875	75, 303	64, 736	76, 052	77, 248	69, 202	84, 160	118, 431	121, 930	
Outdoor.....dollars.	360, 325	240, 081	208, 713	216, 145	269, 425	201, 344	228, 862	178, 160	219, 232	342, 771	298, 354	319, 668	
Vulcanized fiber—													
Consumption.....thous. of lbs.	1, 345	1, 783	1, 624	1, 541	1, 475	1, 975	1, 652	1, 369	1, 421	1, 513	1, 824	1, 945	1, 828
Shipments, total.....thous. of dolls.	348	344	402	419	432	484	426	385	318	359	465	447	430
Welding sets, new orders—													
Multiple operations.....units.			2	0	8	11	4	23	13	2	6	9	8
Single operation.....units.			134	165	169	177	136	155	152	153	200	194	221
Miscellaneous products:													
Brass sheets.....rel. to 1926.	80. 9	82. 5	82. 8	86. 8	90. 4	91. 4	89. 7	90. 7	93. 6	92. 7	88. 9	92. 5	94. 0
Copper-wire cloth—													
New orders.....thous. of sq. ft.	326	328	275	275	299	357	309	404	337	269	363	299	336
Make and hold orders, end of month.....thous. of sq. ft.	504	546	560	514	554	557	530	574	539	530	606	533	516
Production.....thous. of sq. ft.	330	302	253	256	340	330	297	332	344	310	385	384	387
Shipments.....thous. of sq. ft.	330	324	274	277	297	308	304	311	309	303	356	317	353
Stocks, end of month.....thous. of sq. ft.	889	898	934	1, 073	1, 096	1, 079	1, 083	1, 097	1, 145	1, 176	1, 160	1, 173	1, 117
Unfilled orders, end of month.....thous. of sq. ft.	134	158	145	302	174	186	211	217	165	166	199	241	264
Enameled sheet-metal ware, shipments.....dozen pieces.	246, 858	232, 672	264, 953	281, 339	312, 916	289, 205	267, 232	250, 568	263, 365	329, 337	297, 622	309, 645	
Pails and tubs, galvanized—													
Production.....dozen pieces.	103, 345	92, 460	121, 413	143, 258	147, 278	132, 781	103, 677	87, 140	60, 798	130, 906	103, 177	103, 050	
Shipments.....dozen pieces.	114, 134	90, 747	122, 072	140, 080	144, 052	120, 723	138, 538	68, 898	68, 330	115, 185	116, 875	103, 354	
Other galvanized ware—													
Production.....dozen pieces.	26, 970	26, 304	28, 390	34, 929	31, 542	34, 347	23, 716	21, 657	16, 061	40, 084	38, 218	46, 730	
Shipments.....dozen pieces.	27, 334	28, 724	34, 188	42, 287	29, 579	28, 142	25, 958	15, 915	21, 296	41, 126	46, 310	43, 827	
PAPER													
New orders.....rel. to 1923-25.	94. 5	90. 7	102. 7	101. 3	99. 3	96. 7	97. 2	85. 8	93. 2	106. 0	100. 5	102. 2	
Production index (Fed. Res. Bd.).....rel. to 1923-25.	109	108	113	110	110	110	110	98	103	107	109	109	
Production index (elect. energy consumed) (paper and pulp).....rel. to 1923-25.	121. 7	104. 0	112. 4	135. 1	109. 6	123. 0	127. 0	111. 8	117. 0	112. 3	120. 0	119. 3	115. 1
Stocks, end of month.....rel. to 1923-25.	128. 9	129. 7	126. 1	131. 2	123. 4	128. 6	125. 9	122. 6	121. 7	127. 4	118. 1	117. 4	
Wood Pulp													
Ground wood:													
Consumption and shipments.....short tons.	111, 463	118, 371	118, 157	116, 914	111, 165	96, 823	108, 349	109, 740	110, 502	121, 335	109, 860	116, 886	
Imports.....short tons.	14, 433	17, 725	13, 512	12, 851	23, 136	14, 652	15, 656	14, 394	27, 024	21, 776	31, 305	29, 502	21, 261
Production.....short tons.	102, 197	103, 103	136, 858	136, 438	116, 311	95, 937	107, 208	110, 578	102, 957	96, 465	92, 872	97, 895	
Stocks, end of month.....short tons.	103, 975	115, 235	111, 533	93, 131	73, 606	68, 460	69, 346	75, 498	74, 660	82, 205	107, 075	124, 063	
Soda:													
Consumption and shipments.....short tons.	23, 502	23, 572	25, 960	27, 412	27, 660	27, 884	28, 512	27, 128	28, 346	28, 954	28, 638	28, 868	
Production.....short tons.	24, 362	24, 834	27, 230	28, 102	29, 304	29, 422	29, 102	28, 560	28, 966	30, 684	30, 052	29, 962	
Stocks, end of month.....short tons.	4, 502	4, 660	4, 480	4, 414	4, 993	4, 624	4, 366	5, 118	4, 936	5, 042	5, 248	5, 166	
Sulphite, unbleached:													
Consumption and shipments.....short tons.	17, 544	16, 790	19, 020	21, 178	18, 882	20, 554	20, 194	18, 272	18, 238	22, 316	18, 938	19, 122	
Imports.....short tons.	49, 300	52, 061	52, 745	34, 483	30, 724	34, 289	50, 271	63, 870	76, 850	52, 286	52, 426	60, 198	
Price.....dols. per 100 lbs.	2. 15	2. 15	2. 15	2. 15	2. 35	2. 48	2. 48	2. 48	2. 48	2. 48	2. 48	2. 48	
Production.....short tons.	17, 924	19, 092	19, 494	21, 076	18, 878	19, 384	20, 354	17, 860	18, 532	22, 166	18, 888	19, 608	
Stocks, end of month.....short tons.	5, 578	5, 500	4, 256	3, 936	4, 316	4, 320	5, 490	5, 474	5, 886	5, 592	5, 742	5, 792	
Sulphite, bleached:													
Consumption and shipments.....short tons.	35, 448	38, 080	37, 440	37, 272	40, 544	43, 090	41, 616	38, 844	40, 634	48, 118	49, 050	48, 094	
Imports.....short tons.	29, 510	23, 109	28, 558	28, 614	30, 511	32, 863	25, 592	36, 095	30, 322	30, 484	30, 567	26, 880	
Production.....short tons.	35, 262	39, 048	38, 262	36, 092	40, 600	40, 462	41, 402	38, 698	40, 938	47, 790	49, 830	48, 340	
Stocks, end of month.....short tons.	5, 800	5, 986	5, 018	4, 196	5, 376	5, 320	7, 948	9, 206	9, 352	9, 048	9, 376	8, 596	
Total sulphite:													
Consumption and shipments.....short tons.	105, 294	111, 282	110, 722	115, 960	115, 794	117, 122	121, 774	116, 830	120, 780	141, 852	128, 936	131, 454	
Production.....short tons.	107, 664	115, 200	110, 840	115, 974	115, 022	112, 552	120, 628	117, 158	121, 276	140, 204	129, 242	131, 382	
Stocks, end of month.....short tons.	23, 626	21, 558	18, 698	18, 734	18, 998	19, 770	24, 340	28, 720	28, 392	27, 896	29, 494	29, 178	
Sulphate:													
Consumption and shipments.....short tons.	38, 156	39, 828	39, 590	39, 082	34, 014	35, 880	33, 722	33, 190	34, 110	41, 446	38, 990	41, 970	
Production.....short tons.	39, 228	40, 948	41, 870	41, 292	36, 542	38, 104	36, 674	36, 204	37, 208	44, 454	42, 378	44, 374	
Stocks, end of month.....short tons.	6, 050	7, 524	9, 076	9, 594	10, 152	10, 092	10, 426	10, 006	9, 494	8, 974	8, 966	8, 498	
Other grades:													
Consumption and shipments.....short tons.	1, 078	778	1, 072	844	1, 184	1, 016	1, 258						
Production.....short tons.	1, 202	774	514	898	1, 188	1, 098	1, 190						
Stocks, end of month.....short tons.	326	202	206	764	710	706	624						
Total chemical (all grades):													
Consumption.....short tons.	168, 030	175, 460	177, 344	183, 298	178, 652	181, 902	185, 266	177, 272	183, 346	212, 388	196, 714	202, 466	
Production.....short tons.	172, 456	181, 756	180, 454	186, 206	182, 056	181, 176	187, 594	182, 014	187, 572	215, 570	201, 800	205, 906	
Stocks, end of month.....short tons.	34, 504	33, 944	32, 460	33, 506	34, 858	35, 192	39, 756	43, 872	42, 882	42, 560	43, 714	42, 880	

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
PAPER AND PRINTING—Continued													
Paper													
Box board:													
Consumption of waste paper, short tons	200,138	213,686	226,513	227,125	206,571	210,590	191,331	199,229	162,528	190,502	228,588	223,071	215,879
New orders, short tons	214,913	221,048	223,990	236,173	224,021	222,511	198,296	211,782	173,258	200,199	247,209	226,899	221,840
Operation, thous. of inch hours	7,681	8,114	8,200	8,727	7,903	8,175	7,345	7,520	6,261	7,114	8,391	7,907	8,030
Operation, p. ct. of capacity	65.9	69.6	70.3	77.8	67.8	70.1	71.2	64.5	53.1	65.3	68.5	69.7	68.1
Production, short tons	213,491	222,927	224,116	232,020	230,537	226,011	205,785	211,691	176,483	203,381	253,889	228,257	224,391
Shipments, short tons	217,405	221,980	223,328	231,746	227,806	224,023	203,202	209,660	175,170	202,042	251,810	228,439	224,141
Stocks, end of month, short tons	79,873	83,787	82,840	82,058	81,784	79,053	77,065	74,482	72,451	71,138	69,799	67,720	67,902
Stocks of waste paper, end of month—													
In transit and unshipped purchases, short tons	47,549	47,052	50,558	39,209	25,026	51,301	35,229	34,510	34,292	30,649	34,910	45,960	36,108
At mills, short tons	148,042	166,006	169,570	182,812	167,478	167,846	191,507	197,699	201,597	184,598	177,486	165,499	187,508
Unfilled orders, end of month, short tons	47,206	49,698	50,630	49,968	45,541	49,326	50,838	55,744	53,622	55,534	57,377	61,978	63,518
Newsprint:													
Consumption by publishers, U. S., short tons	146,249	157,119	161,265	179,836	174,325	179,340	150,403	160,660	166,645	184,615	183,388	163,895	157,426
Exports, Canada, short tons	160,175	157,205	180,739	185,432	152,360	200,545	144,236	153,362	225,495	173,149	200,776	194,820	170,107
Imports, United States, short tons	157,037	173,457	188,919	192,688	175,242	169,345	148,388	172,110	194,144	195,953	209,944	175,996	169,280
Price, roll, f. o. b. mill, dol. per cwt.						3.10	3.10	3.10	3.25	3.25	3.25	3.25	3.25
Production—													
Canada, short tons	165,124	182,731	193,971	202,607	205,838	187,005	164,552	182,657	184,755	201,703	213,817	195,490	202,043
United States, total, short tons	88,344	99,548	101,086	101,202	102,450	100,590	88,788	101,990	99,276	92,237	105,450	95,261	101,601
Per cent of capacity, per cent	59	67	68	69	70	68	65	69	69	68	72	70	72
Shipments—													
Canada, short tons	162,303	175,350	194,144	202,280	205,752	187,730	162,350	180,027	188,845	213,673	221,748	193,835	197,870
United States, short tons	89,047	97,225	100,087	102,555	101,819	101,044	90,901	100,440	99,062	93,631	102,808	96,048	99,236
Stocks, end of month—													
At mills—													
Canada, short tons	49,128	47,288	39,832	39,962	39,754	39,850	42,259	38,768	36,777	40,372	52,547	62,495	59,007
United States, short tons	32,607	33,616	33,906	32,956	34,289	32,254	33,627	32,903	32,061	31,818	33,318	30,879	30,691
At publishers, U. S., short tons	202,121	203,944	189,990	178,333	185,560	190,728	211,142	217,889	217,651	198,151	211,716	215,685	227,443
In transit to publishers, U. S., short tons	30,879	34,566	39,041	44,859	45,352	44,011	39,486	39,022	38,821	50,539	41,017	41,970	38,885
Other paper:													
Binders' board, production, short tons					1,809	1,401	1,543	1,515	1,477	1,317	1,894	1,342	1,620
Book paper:													
Production, short tons	106,015	113,022	117,609	117,374	117,964	114,306	125,335	100,188	93,897	103,525	102,602	105,017	105,017
Per cent of capacity, per cent	71	77	78	79	80	85	79	75	73	74	74	81	78
Shipments, short tons	107,075	111,327	113,140	118,782	119,026	117,849	127,466	101,090	93,428	106,838	100,345	106,907	106,907
Stocks, end of month, short tons	89,984	90,985	92,404	87,395	89,088	90,353	94,413	114,302	115,340	114,766	118,315	115,995	115,995
New orders—													
Coated, p. ct. of normal production	53	58	52	70	76	64	76	66	65	63	68	73	68
Uncoated, p. ct. of normal production	61	60	65	67	68	74	76	75	69	67	70	69	75
Unfilled orders, end of month—													
Coated, days' production	5	6	5	7	7	6	8	6	7	7	7	8	7
Uncoated, days' production	5	5	6	6	6	6	6	6	6	5	5	6	6
Fine paper:													
Production, short tons	26,408	29,364	30,793	32,451	35,141	32,534	32,835	25,485	29,085	34,486	31,608	31,616	31,616
Per cent of capacity, per cent	55	59	64	67	73	73	66	52	64	72	67	67	67
Shipments, short tons	27,728	28,395	31,501	33,100	33,981	32,339	34,707	24,873	28,387	34,624	29,996	30,826	30,826
Stocks, end of month, short tons	59,723	62,725	61,758	62,459	62,905	61,340	61,148	68,310	67,701	67,009	67,136	65,524	65,524
Wrapping paper:													
Production, short tons	78,074	78,174	78,377	79,261	75,404	72,281	71,826	74,554	76,628	83,905	74,704	77,476	77,476
Per cent of capacity, per cent	88	87	88	91	85	88	82	78	83	84	81	81	81
Shipments, short tons	78,777	78,845	76,888	80,371	76,083	71,920	71,970	73,137	77,701	84,744	77,916	74,687	74,687
Stocks, end of month, short tons	75,146	76,051	78,107	76,582	77,718	78,404	78,047	72,333	70,881	71,916	72,732	75,949	75,949
All other grades:													
Production, short tons	74,728	75,655	78,509	80,983	74,123	70,054	78,378	75,094	77,846	87,455	84,954	81,660	81,660
Shipments, short tons	74,062	75,895	83,882	81,268	74,186	69,735	72,122	71,717	78,349	88,985	85,708	83,735	83,735
Stocks, end of month, short tons	70,755	69,174	68,734	71,545	69,540	67,618	65,594	65,777	62,400	62,903	64,432	65,186	65,186
Total paper (including newsprint and box board):													
Production, short tons	607,700	621,411	638,510	643,056	629,233	583,748	622,055	551,080	573,174	668,710	617,386	621,761	621,761
Per cent of capacity, per cent	70	72	74	74	73	71	66	65	69	74	74	74	72
Shipments, short tons	606,847	615,877	639,712	643,146	628,343	585,946	621,365	545,049	573,538	669,809	618,452	619,532	619,532
Stocks, end of month, short tons	413,011	415,681	416,077	414,054	410,558	408,407	408,587	425,234	419,278	419,711	421,214	421,247	421,247
Paper Products													
Paper-board shipping boxes:													
Operating time—													
Corrugated, p. ct. of normal	80	78	81	84	81	79	78	63	60	70	80	76	72
Solid fiber, p. ct. of normal	68	68	71	65	67	62	61	54	58	57	65	65	63
Total, p. ct. of normal	77	76	79	79	78	75	74	61	60	67	76	73	70
Production—													
Corrugated, thous. of sq. ft.	449,285	402,031	416,282	417,407	401,874	391,043	382,305	305,274	283,933	347,876	425,900	415,623	388,030
Solid fiber, thous. of sq. ft.	106,800	95,582	99,754	100,301	102,609	93,875	91,966	77,921	75,507	80,360	92,488	90,955	85,324
Total, thous. of sq. ft.	556,085	497,613	516,036	517,708	504,483	484,918	474,271	383,195	359,440	428,236	518,388	506,578	473,354
Rope paper sacks, shipments, rel. to 1921-22		65	44	55	60	65	77	84	66	79	87	88	78
PRINTING													
Blank forms, new orders, thous. of sets	45,455	50,357	48,322	55,266	48,877	52,887	48,751	50,587	69,004	47,878	78,707	60,812	55,779
Printing activity, rel. to 1923		77	84	96	97	98	96	95	95	91	92	93	85
Sales books:													
New orders, thous. of books	10,511	10,321	10,514	11,587	10,284	11,204	10,054	10,735	9,455	11,053	12,217	11,652	11,026
Shipments, thous. of books	10,501	9,997	10,382	10,585	11,079	10,669	10,652	10,454	10,893	10,723	13,428	12,363	11,918
RUBBER													
Production index (Fed. Res. Bd.), auto tires and tubes, rel. to 1923-25		112	126	123	107	98	94	88	73	77	88	84	96
Production index (elect. energy consumed), rel. to 1923-25	98.5	97.4	121.0	122.3	109.0	109.6	112.9	99.0	84.3	86.1	99.0	107.2	110.5
Stocks, end of month, rel. to 1923-25	111.9	112.8	121.0	120.6	118.1	118.4	113.0	107.4	110.6	115.5	117.9	115.8	12.56
Crude Rubber													
Consumption, quarterly:													
Total, long tons			99,135			382,480			66,258			78,441	
For tires, long tons			83,894			368,593			52,284			64,353	
Imports (including latex), long tons	39,033	44,052	46,939	35,844	44,908	40,788	34,374	36,598	37,370	29,733	45,375	35,783	36,657

Revised.

Quarter ended in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
RUBBER—Continued													
Crude Rubber—Continued													
Prices, wholesale, smoked sheets, New York.....dolls. per lb.....		0.063	0.063	0.064	0.064	0.077	0.076	0.082	0.089	0.089	0.084	0.080	0.100
Stocks, domestic, end of quarter:													
Afloat.....long tons.....			\$ 52,658			\$ 49,471			\$ 44,286			\$ 45,073	
Dealers.....long tons.....			\$ 43,711			\$ 49,613			\$ 58,804			\$ 59,205	
Manufacturers.....long tons.....			\$ 139,613			\$ 138,140			\$ 129,575			\$ 91,968	
Total, dealers and manufacturers.....long tons.....			\$ 183,324			\$ 187,753			\$ 188,379			\$ 151,173	
World shipments, plantation.....long tons.....		66,600	62,090	68,628	63,395	71,218	65,719	65,714	65,661	63,065	71,934	74,941	73,509
Stocks, end of month:													
Afloat.....long tons.....		90,768	86,867	93,379	78,159	88,950	86,469	82,687	81,479	80,236	84,435	97,701	82,805
Europe.....long tons.....		139,261	140,265	143,747	142,520	137,452	130,247	127,553	121,131	119,010	118,873	120,389	112,798
Producing countries.....long tons.....		43,364	43,760	41,176	42,806	45,782	43,958	43,154	36,118	37,564	36,046	37,714	42,910
United States.....long tons.....		235,746	225,346	219,405	224,211	215,523	210,611	207,085	201,000	190,617	186,069	169,815	161,182
World total.....long tons.....		509,139	496,238	497,707	487,696	487,716	471,285	460,479	439,728	427,427	425,423	425,619	399,695
Reclaimed rubber:													
Production, quarterly.....long tons.....			\$ 38,540			\$ 32,115			\$ 30,477			\$ 31,277	
Stocks, end of quarter.....long tons.....			\$ 15,782			\$ 16,142			\$ 18,534			\$ 17,989	
Scrap rubber:													
Consumption by reclaimers, quarterly.....long tons.....			\$ 47,666			\$ 41,274			\$ 36,378			\$ 39,071	
Stocks at reclaimers, end of quarter.....long tons.....			\$ 59,103			\$ 57,198			\$ 59,464			\$ 66,363	
Tires and Tubes													
Pneumatic casings:													
Production.....thousands.....		3,941	4,538	4,543	3,955	3,730	3,188	2,940	2,251	2,123	2,866	2,692	3,332
Shipments—													
Domestic.....thousands.....		4,224	4,320	4,197	3,804	3,143	2,580	2,855	2,550	2,119	2,613	3,360	3,976
Exports.....thousands.....		125	137	135	142	155	142	140	139	148	186	165	164
Stocks, end of month.....thousands.....		7,936	8,358	8,250	8,025	8,012	7,629	7,166	7,203	7,676	7,842	7,849	8,678
Solid and cushion tires:													
Production.....thousands.....		13	12	11	12	11	11	13	13	13	18	14	16
Shipments—													
Domestic.....thousands.....		15	14	14	14	15	12	12	12	13	19	22	22
Exports.....thousands.....		1	1	1	1	1	1	1	1	1	1	1	1
Stocks, end of month.....thousands.....		55	57	61	64	69	73	75	76	76	78	82	90
Inner tubes:													
Production.....thousands.....		3,964	4,286	4,330	3,693	3,560	3,123	2,898	2,448	2,144	3,161	3,053	3,837
Shipments—													
Domestic.....thousands.....		4,569	4,228	4,135	3,610	2,922	2,619	3,147	2,634	2,147	2,659	3,525	4,492
Exports.....thousands.....		96	89	89	99	109	101	102	96	84	119	108	118
Stocks, end of month.....thousands.....		7,672	8,403	8,439	8,330	8,380	7,937	7,552	7,999	8,250	8,414	8,052	8,589
Raw material consumed:													
Fabrics.....thous. of lbs.....		15,140	17,085	18,010	15,244	14,041	12,002	12,738	8,358	8,418	11,780	10,917	13,223
Crude rubber.....thous. of lbs.....		46,697	51,280	53,418	45,016	41,851	36,651	36,319	25,537	26,253	36,097	33,382	40,736
Miscellaneous Rubber Products													
Calendered rubber clothing:													
Net orders.....no. coats and sundries.....	21,580	17,932	21,161	19,380	16,846	19,380	16,361	21,884	12,881	15,493	25,082	39,364	26,348
Production.....no. coats and sundries.....	27,080	14,431	15,419	18,094	16,803	19,220	18,276	13,059	20,791	22,623	41,291	37,097	44,952
Mechanical rubber goods, shipments:													
Belting.....thous. of dolls.....		914	798	790	832	889	722	759	675	779	954	1,045	1,248
Hose.....thous. of dolls.....		1,436	1,650	1,857	2,129	1,892	1,611	1,440	1,337	1,276	1,554	1,473	1,682
All other.....thous. of dolls.....		1,356	1,431	1,584	1,656	1,631	1,378	1,400	1,326	1,345	1,678	1,565	1,622
Total.....thous. of dolls.....		3,706	3,879	4,231	4,617	4,412	3,711	3,599	3,338	3,400	4,186	4,083	4,552
Rubber bands, shipments.....thous. of lbs.....	195	246	209	215	259	231	222	211	165	165	197	172	164
Rubber flooring, shipments.....thous. of sq. ft.....	595	577	576	569	569	496	366	365	597	432	682	529	559
Rubber and canvas footwear:													
Tennis—													
Production.....thous. of pairs.....		836	1,999	2,142	2,591	2,609	2,492	2,409	1,875	1,940	1,821	1,445	1,672
Shipments, domestic.....thous. of pairs.....		1,520	2,657	4,372	3,624	2,879	2,343	2,318	871	319	562	1,441	1,389
Exports.....thous. of pairs.....		125	100	121	150	236	200	110	175	148	263	350	238
Stocks.....thous. of pairs.....		5,957	6,766	7,523	9,889	10,960	11,451	11,506	10,633	10,712	9,239	8,248	8,597
Waterproof, total—													
Production.....thous. of pairs.....		1,570	1,922	1,261	1,102	874	958	1,272	2,214	2,736	2,960	2,822	2,616
Shipments, domestic.....thous. of pairs.....		1,510	1,173	626	1,070	944	1,015	1,549	3,888	4,212	5,299	4,968	3,430
Exports.....thous. of pairs.....		117	108	50	72	53	92	74	63	135	287	548	384
Stocks.....thous. of pairs.....		16,978	16,763	16,357	15,733	15,803	16,030	16,179	17,172	18,449	20,054	22,680	25,416
Grand total—													
Production.....thous. of pairs.....		2,407	3,921	3,402	3,693	3,483	3,450	3,681	4,089	4,675	4,781	4,267	4,288
Shipments, domestic.....thous. of pairs.....		3,030	3,830	4,998	4,694	3,822	3,358	3,867	4,759	4,531	5,861	6,409	4,820
Exports.....thous. of pairs.....		242	208	171	222	288	292	184	237	282	550	898	622
Stocks.....thous. of pairs.....		22,935	23,528	23,881	25,622	26,762	27,481	27,685	28,806	29,160	29,935	30,928	34,013
Rubber heels:													
Production.....thous. of pairs.....		15,361	17,093	15,474	15,408	14,661	13,156	12,973	13,101	11,083	16,460	14,322	13,735
Shipments—													
Exports.....thous. of pairs.....		540	630	612	578	577	658	748	838	880	966	1,083	780
Repair trade.....thous. of pairs.....		4,058	4,946	3,975	4,038	4,868	4,854	3,939	3,450	4,473	8,291	6,681	6,622
Shoe manufacturers.....thous. of pairs.....		11,177	10,522	9,693	10,112	10,991	8,397	8,471	6,618	4,578	9,354	9,214	8,813
Stocks, end of month.....thous. of pairs.....		27,006	27,898	28,491	27,764	26,708	29,335	30,302	29,741	29,130	29,353	31,601	33,226
Rubber-proofed fabrics, production:													
Auto fabrics.....thous. of yds.....		531	701	982	710	738	644	577	476	532	915	733	678
Raincoat fabrics.....thous. of yds.....		1,843	1,355	1,066	1,040	863	567	738	697	1,426	3,040	3,249	1,805
All other.....thous. of yds.....		963	1,156	1,002	1,271	1,168	973	891	736	864	1,254	1,064	975
Total.....thous. of yds.....		3,337	3,212	3,050	3,381	2,769	2,184	2,206	1,909	2,822	5,209	5,046	3,458
Rubber soles:													
Production.....thous. of pairs.....		2,864	3,177	2,885	2,692	2,292	2,724	2,481	3,021	1,426	3,056	2,193	1,473
Shipments—													
Exports.....thous. of pairs.....		67	59	62	69	14	36	11	58	60	82	74	74
Repair trade.....thous. of pairs.....		196	225	330	255	408	290	287	243	280	492	333	317
Shoe manufacturers.....thous. of pairs.....		2,569	2,899	2,551	2,474	2,145	2,259	2,090	2,305	1,011	2,638	1,691	1,161
Stocks, end of month.....thous. of pairs.....		2,475	2,461	2,655	2,764	2,876	3,167	3,032	2,917	2,390	2,520	2,729	2,289

* Revised.

* Quarter ended in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
STONE, CLAY, AND GLASS													
New orders.....rel. to 1923-25.....	46.7	² 49.0	60.0	52.3	48.7	55.3	48.0	53.3	48.7	53.3	66.3	64.3	58.7
Production index (elect. energy consumed).....rel. to 1923-25.....	105.9	104.8	118.7	132.0	116.5	105.1	102.6	75.3	100.6	106.2	106.3	120.5	118.2
Stocks, end of month.....rel. to 1923-25.....	146.7	² 155.0	164.3	174.9	175.5	179.4	173.4	165.0	166.0	162.9	149.6	152.6	160.1
Unfilled orders, end of month.....rel. to 1923-25.....		25.0	26.5	27.3	23.7	25.5	24.2	28.0	33.8	41.3	40.0	45.8	47.3
Brick													
Common brick:													
Plants closed down.....number.....	31	21	30	33	44	53	66	55	65	90	76	70	62
Price, red, New York.....dolls. per thous.	10.00	10.00	10.00	10.25	10.25	10.00	10.00	10.00	9.50	9.50	9.50	9.50	9.50
Shipments.....thousands.....	28,332	31,303	30,754	30,087	31,307	29,284	19,844	19,657	33,488	103,489	103,390	115,251	105,493
Stocks, end of month—													
Burned.....thousands.....	204,218	168,732	189,621	209,094	205,842	256,396	237,346	251,842	290,144	429,596	405,082	373,485	350,940
Unburned.....thousands.....	164,593	171,396	164,886	159,352	165,172	192,499	194,504	205,600	233,812	285,944	273,309	271,577	222,710
Unfilled orders, end of month.....thousands.....	41,412	41,391	49,106	44,415	38,281	48,240	36,997	47,032	84,550	121,389	101,906	132,689	149,034
Face brick (average per firm):													
Production.....thousands.....	425	540	540	549	533	395	338	310	494	543	748	730	854
Shipments.....thousands.....	477	521	574	569	579	522	369	303	365	536	767	794	779
Stocks, end of month.....thousands.....	3,602	3,660	3,652	3,684	3,698	3,734	3,836	3,856	3,823	3,677	3,662	3,677	3,717
Unfilled orders, end of month.....thousands.....	639	669	733	781	784	685	708	778	778	821	901	1,067	1,059
Sand-lime brick:													
Production.....thousands.....	5,989	² 5,518	6,664	5,084	3,999	4,869	4,140	3,718	6,053	7,126	7,925	7,877	9,636
Shipments by rail.....thousands.....	805	529	494	1,595	1,698	1,466	1,493	910	1,846	3,044	3,437	3,278	2,921
Shipments by truck.....thousands.....	5,506	² 5,424	5,758	4,375	3,330	3,743	3,306	3,367	4,277	4,659	6,169	6,553	6,437
Stocks, end of month.....thousands.....	10,698	² 10,199	8,975	10,724	11,119	12,566	12,545	11,594	12,070	12,730	12,260	14,151	15,496
Unfilled orders, end of month.....thousands.....	10,838	² 10,710	9,960	6,513	5,232	7,070	6,720	5,245	9,125	8,183	7,567	8,957	7,762
Glass Containers													
Net orders.....thous. of gross.....	1,859	2,102	2,465	2,119	1,952	2,250	2,342	2,634	1,894	2,221	2,451	2,585	2,636
Shipments.....thous. of gross.....	2,213	2,180	2,491	2,545	2,291	2,479	1,972	2,041	1,486	1,678	2,297	2,623	2,459
Stocks, end of month.....thous. of gross.....	5,930	5,887	6,086	6,003	6,078	5,974	6,307	6,696	7,022	6,814	6,578	6,412	6,768
Production:													
Total.....thous. of gross.....	2,239	2,268	2,565	2,481	2,404	2,166	1,777	1,776	1,698	1,913	2,461	2,202	2,439
Per cent of capacity.....	686	69.5	75.9	73.4	71.4	64.4	57.2	52.8	50.5	59.1	70.4	68.1	72.5
Unfilled orders, end of month.....thous. of gross.....	7,591	8,268	8,625	9,127	9,785	10,340	10,913	10,761	9,628	9,484	9,097	9,404	10,024
Illuminating Glassware													
New orders.....p. ct. of capacity.....	24.8	24.3	29.3	27.3	28.6	32.4	27.0	30.7	26.5	30.5	34.5	33.7	29.9
Production:													
Total.....no. of turns.....	1,607	1,492	2,161	2,037	2,086	2,108	1,818	2,183	1,912	2,059	2,185	1,961	2,084
Per cent of capacity.....	21.4	19.9	28.8	27.2	27.8	28.1	24.2	29.1	30.9	33.2	35.3	31.7	33.4
Shipments.....p. ct. of capacity.....	21.6	24.0	28.2	26.8	28.8	28.7	25.9	28.7	27.6	30.6	34.4	33.0	30.4
Stocks, end of month.....no. of weeks' supply.....	.9	3.9	4.1	4.1	4.1	4.1	4.2	1.1	5.1	4.9	4.7	4.6	4.6
Unfilled orders, end of month.....no. of weeks' supply.....	.2	.8	.9	.8	.8	.8	.7	.2	.7	.7	.8	.8	.7
Plate Glass													
Plate glass, polished, production.....thous. of sq. ft.....		7,216	7,554	9,466	10,174	10,593	8,882	7,321	4,941	7,103	8,568	7,979	5,522
Plumbing Fixtures													
Porcelain:													
Net new orders.....number of pieces.....	4,571	5,736	6,213	4,824	6,898	6,163	5,570	4,559	4,586	4,451	8,657	6,815	8,232
Shipments.....number of pieces.....	5,761	5,577	5,237	4,665	4,093	4,178	3,699	4,597	3,259	5,634	6,455	7,564	7,214
Stocks, end of month.....number of pieces.....	25,236	24,641	27,850	28,394	28,248	30,259	30,004	29,347	29,598	30,370	31,133	29,367	32,696
Unfilled orders, end of month.....number of pieces.....	7,697	10,476	10,804	11,387	32,541	31,497	30,526	29,863	30,400	29,869	31,309	31,973	33,493
Wholesale price, 6 pieces.....dollars.....	97.77	98.91	98.96	99.16	98.84	97.86	96.49	99.26	98.52	96.68	97.40	96.88	98.32
Vitreous china plumbing fixtures:													
New orders.....pieces.....		121,324	136,285	119,922	93,108	64,260	150,451	250,183	131,807	113,710	141,026	140,882	142,254
Shipments.....pieces.....		135,292	134,549	128,574	117,105	133,802	184,563	172,334	108,065	121,259	158,839	155,330	166,156
Stocks, end of month.....pieces.....		554,939	574,304	593,268	597,476	583,099	552,403	594,886	623,125	582,675	593,492	586,915	615,931
Unfilled orders, end of month.....pieces.....		188,623	202,591	200,855	209,507	233,504	303,046	337,158	259,309	235,567	243,116	260,919	275,267
Portland Cement													
Per cent of capacity.....	60.2	62.0	65.4	62.8	52.1	36.9	29.4	29.5	38.2	51.7	65.4	75.7	81.0
Prices, wholesale, composite.....dolls. per bbl.....	1.331	1.331	1.364	1.399	1.422	1.477	1.543	1.586	1.591	1.599	1.611	1.611	1.611
Production.....thous. of bbls.....	13,549	13,896	14,118	14,010	11,245	8,245	5,920	6,595	8,480	11,098	14,410	16,124	17,821
Shipments.....thous. of bbls.....	15,172	15,545	16,077	14,200	11,184	7,192	5,074	4,692	5,688	8,784	15,599	18,083	20,299
Stocks, end of month.....thous. of bbls.....	24,311	² 25,934	27,662	29,554	29,715	29,676	28,612	27,759	25,883	23,056	20,697	21,889	23,824
Stocks, clinker, end of month.....thous. of bbls.....	8,468	² 10,209	11,837	13,087	13,854	13,318	11,946	10,384	8,809	7,758	7,266	7,783	9,275
Terra Cotta													
Terra cotta, new orders:													
Quantity.....net tons.....	3,955	5,117	7,547	4,180	2,598	3,138	3,226	3,231	3,799	3,373	5,930	5,718	5,594
Value.....thous. of dolls.....	361	480	719	412	291	315	335	324	350	329	556	465	529
Tile													
Floor and wall tile:													
Production.....thous. of sq. ft.....		4,384	² 4,120	4,090	3,861	3,535	2,656	2,866	3,342	3,134	4,135	3,954	3,812
Shipments—													
Quantity.....thous. of sq. ft.....		4,232	² 4,316	3,998	3,744	2,923	3,656	2,541	2,937	3,791	4,572	4,482	4,859
Stocks, end of month.....thous. of sq. ft.....		14,669	² 14,518	14,715	14,623	14,506	13,895	14,895	14,570	14,166	14,823	15,259	15,786
TEXTILES													
New orders.....rel. to 1923-25.....		86.7	² 90.9	² 96.6	² 96.8	² 101.0	² 91.4	² 86.7	² 61.4	² 73.9	² 90.9	² 76.0	² 61.8
Prices, wholesale.....rel. to 1926.....	64.2	65.4	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.8	75.5	77.7
Production index (Fed. Res. Bd.).....rel. to 1923-25.....	100	102	97	² 98	98	97	93	86	87	93	91	88	81
Production index (elect. energy consumed).....rel. to 1923-25.....	95.0	98.2	100.5	103.7	100.0	97.3	99.3	86.4	89.8	87.0	85.4	85.1	72.0
Stocks, manufactured goods, end of month.....rel. to 1923-25.....	85.8	² 88.9	90.8	90.7	93.4	94.1	92.4	100.0	109.2	97.3	96.8	96.5	106.4
Stocks, raw materials, end of month.....rel. to 1923-25.....	133.2	² 133.5	148.9	161.2	176.8	196.3	212.2	229.9	241.8	237.6	214.7	155.4	116.9
Unfilled orders, end of month.....rel. to 1923-25.....		39.0	35.8	38.2	42.3	42.7	40.0	38.9	34.3	37.3	36.2	34.5	33.7

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
TEXTILES—Continued													
Burlaps and Fibers													
Imports:													
Burlaps.....thous. of lbs.	45,618	35,604	42,942	37,732	30,481	34,945	42,176	35,062	44,591	36,656	37,940	39,578	39,038
Fibers.....long tons.	18,277	21,993	18,622	14,102	21,719	19,574	21,326	19,162	20,429	14,681	17,958	13,803	13,941
Clothing													
Hosiery:													
New orders.....thous. of doz. pairs.	4,278	4,279	4,654	5,029	4,808	4,919	4,534	4,297					
Net shipments.....thous. of doz. pairs.	4,540	3,777	4,561	4,772	4,925	4,982	4,360	3,808					
Production.....thous. of doz. pairs.	4,183	4,069	4,572	4,719	4,627	4,486	4,199	4,134					
Stocks, end of month.....thous. of doz. pairs.	9,869	10,177	9,990	9,864	9,914	10,120	10,579	10,704					
Unfilled orders, end of month.....thous. of doz. pairs.	3,139	3,511	3,200	3,225	3,042	3,260	3,420	3,355					
Knit underwear:													
Net shipments.....thous. of doz. garments.						1,107	909	975	816	1,129	1,365	1,261	1,024
New orders.....thous. of doz. garments.						1,326	994	967	878	1,164	1,475	1,049	909
Production.....thous. of doz. garments.						1,146	945	840	821	978	1,132	913	828
Stocks, end of month.....thous. of doz. garments.						1,366	1,265	1,329	1,299	1,197	1,421	1,497	1,759
Unfilled orders, end of month.....thous. of doz. garments.						1,549	1,342	1,258	1,284	1,266	1,250	1,140	1,368
Men's and boys' garments cut:													
Overcoats.....thous. of garments.		464	299	132	191	303	251	160	159	444	555	564	437
Separate trousers.....thous. of garments.		2,187	2,336	2,157	2,017	1,845	1,708	1,580	1,232	1,183	2,103	2,071	1,891
Suits.....thous. of garments.		1,849	1,702	1,749	1,878	2,370	2,028	1,714	1,222	1,100	1,654	1,662	1,878
Overalls:													
Cut.....thous. of doz. garments.							234	222	161	207	279	326	288
Net shipments.....thous. of doz. garments.							223	218	137	191	249	289	250
Unfilled orders, end of month.....thous. of doz. garments.							41	36	42	36	51	69	74
Cotton													
Consumption by textile mills.....bales.	425,819	450,518	455,388	465,770	508,744	490,586	433,510	454,188	406,207	414,887	444,494	394,321	352,335
Consumption by textile mills.....rel. to 1923-25.	83.0	87.8	88.7	90.8	99.1	95.6	84.5	88.5	79.2	80.8	86.6	76.8	68.7
Exports, unmanufactured (exclusive of linters).....thous. of bales.	211	259	255	336	392	605	433	625	766	908	1,004	903	366
Ginnings.....thous. of bales.	565	7				13,756		13,593	13,258	12,837	10,866	6,304	1,879
Imports, unmanufactured.....bales.	7,236	9,305	14,134	15,189	17,257	10,266	11,155	11,299	4,461	3,409	1,747	3,394	5,901
Machinery, activity of spindles:													
Activity spindles.....thousands.	25,623	25,836	25,799	26,398	26,645	23,490	25,763	25,611	25,526	25,858	26,154	26,087	25,874
Activity per spindle.....hours.	190	200	202	204	216	211	184	176	173	184	184	167	151
Total activity.....mill. of hours.	6,193	6,532	6,630	6,739	7,129	7,001	6,110	6,390	5,916	5,832	6,239	5,663	5,134
Per cent of capacity.....per cent.	81.8	86.0	86.8	89.6	94.1	91.0	87.2	80.8	76.1	80.1	77.1	73.4	64.8
Prices:													
To producer.....dolls. per lb.	.063	.085	.077	.088	.093	.096	.091	.086	.087	.096	.092	.099	.114
In New York, middling.....dolls. per lb.	.072	.093	.090	.093	.102	.109	.110	.102	.101	.110	.107	.109	.121
Production, crop estimate.....thous. of bales.	15,685								14,243				
Receipts into sight.....thous. of bales.	333	277	103	341	358	447	513	729	1,627	2,749	3,670	2,410	865
Stocks, domestic, end of month:													
Mills.....thous. of bales.	840	995	1,131	1,258	1,370	1,478	1,548	1,613	1,659	1,567	1,353	968	1,012
Warehouses.....thous. of bales.	4,426	4,524	4,971	5,494	6,034	6,643	7,314	7,939	8,378	8,398	7,543	5,248	3,465
Total, mills and warehouses.....thous. of bales.	5,266	5,519	6,101	6,752	7,404	8,120	8,862	9,553	10,037	9,965	8,895	6,215	4,476
Total, mills and warehouses.....rel. to 1923-25.	140.1	146.8	162.3	179.6	196.9	216.0	235.7	254.1	267.0	265.0	236.6	165.3	119.1
Stocks, world visible, end of month:													
American.....thous. of bales.	4,498	4,775	5,236	5,561	6,302	6,826	7,381	7,576	7,841	7,676	6,617	4,892	3,159
Total.....thous. of bales.	6,435	6,899	7,572	8,346	8,883	9,332	9,958	9,897	9,597	9,437	8,413	6,707	5,190
Cotton Finishing													
Printed only (mills and outside):													
Production.....thous. of yds.	65,983	56,153	57,412	67,704	86,612	87,318	76,847	68,380	70,301	62,005	69,764	55,387	42,185
Stocks, end of month.....thous. of yds.	71,615	74,662	77,335	74,439	72,973	65,145	64,546	65,704	68,420	68,817	65,876	64,788	70,395
White, dyed, and printed (outside mills):													
Billings, finished goods.....thous. of yds.	44,982	45,831	51,577	52,537	60,590	61,803	50,166	43,642	47,566	40,249	53,003	40,631	37,907
New orders, gray yardage.....thous. of yds.	44,372	45,233	41,119	45,937	50,394	57,872	49,679	46,370	39,749	38,541	47,133	41,618	35,576
Per cent of capacity.....per cent.	48	47	45	51	52	58	56	47	40	44	48	46	36
Shipments, finished goods.....cases.	24,483	24,916	27,221	30,109	31,176	35,334	30,503	29,031	23,888	23,743	29,260	26,691	28,843
Stocks, finished goods, end of month.....cases.	18,065	16,404	16,433	17,141	16,677	17,641	17,071	20,134	23,593	21,803	22,392	22,079	27,198
Unfilled orders, end of month.....days.	1.7	1.5	1.5	1.9	2.7	2.7	2.6	2.6	2.6	2.5	2.1	2.6	2.1
Cotton Goods													
Cotton cloth:													
Imports.....thous. of sq. yds.	1,692	4,326	3,937	3,920	2,810	2,530	2,148	2,641	1,658	1,763	1,976	1,920	1,664
Exports.....thous. of sq. yds.	30,309	35,272	34,370	30,961	30,776	33,392	25,188	31,488	29,388	29,273	34,804	32,626	34,285
Cotton textiles:													
New orders.....thous. of yds.	167,555	158,353	355,902	160,029	137,749	295,334	326,691	239,106	182,656	183,067	335,801	291,980	235,272
Production.....thous. of yds.	209,050	192,545	260,163	225,392	225,055	271,638	212,168	202,149	234,052	206,633	228,866	182,385	218,815
Shipments.....thous. of yds.	227,644	211,331	273,871	205,603	217,582	317,185	248,354	210,597	226,951	200,661	270,383	232,975	231,348
Stocks, end of month.....thous. of yds.	250,855	269,449	288,235	301,943	282,154	273,781	319,328	355,514	363,962	356,861	350,880	392,406	442,996
Unfilled orders, end of month.....thous. of yds.	217,508	277,597	330,575	248,544	294,118	373,951	395,802	317,465	288,056	333,251	350,845	285,427	226,422
Elastic webbing, shipments.....thous. of dolls.			1,018	1,124	1,199	1,363	1,180	1,041	921	1,000	1,356	1,200	1,127
Fabric for tire manufacture, consumption.....thous. of lbs.		15,140	17,085	18,010	15,244	14,041	12,002	12,738	8,358	8,418	11,780	10,917	13,223
Prices:													
Print cloth 64 x 60.....dolls. per yd.	.043	.049	.048	.050	.053	.055	.053	.052	.053	.057	.055	.053	.050
Sheeting, brown.....dolls. per yd.	.052	.055	.054	.058	.059	.059	.065	.062	.065	.066	.066	.070	.070
Cotton goods (Fairchild).....rel. to 1911-13.	100	111	112	115	119	121	119	120	122	124	124	124	126
Cotton Yarn													
Carded sales yarn:													
Production.....thous. of lbs.	10,295	11,800	10,067	13,377	11,081	11,536	10,968	12,665	9,582	11,787	15,494	11,148	10,031
Stocks, end of month.....thous. of lbs.	10,023	10,181	11,195	11,212	12,240	12,537	13,420	13,795	13,531	12,548	12,548	12,819	13,633
Unfilled orders, end of month.....thous. of lbs.	31,351	32,951	34,017	34,914	38,825	40,979	42,407	39,063	38,920	38,926	37,854	33,194	29,103

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
TEXTILES—Continued													
Cotton Yarn—Continued													
Prices:													
22/1 cones, Boston.....dolls. per lb.	0.212	0.225	0.215	0.223	0.231	0.240	0.239	0.248	0.247	0.254	0.235	0.242	0.252
40/1s southern spinning.....dolls. per lb.	.336	.352	.352	.353	.369	.382	.390	.390	.390	.405	.413	.420	.435
Fur													
Sales by dealers.....thous. of dolls.		6,033	4,474	5,324	5,615	6,693	6,049	4,496	3,048	4,520	5,787	7,301	5,425
Pyroxylin-Coated Textiles													
Pyroxylin spread.....thous. of lbs.		4,258	4,001	4,060	4,273	4,081	3,044	2,565	2,353	2,417	2,877	3,158	2,882
Shipments billed.....thous. of linear yds.		2,375	2,815	3,186	3,301	3,394	2,724	2,333	2,126	2,075	2,711	2,690	2,309
Unfilled orders end of month.....thous. of linear yds.		2,615	2,656	2,810	2,962	3,358	3,058	2,735	2,031	2,424	2,472	2,590	2,015
Rayon													
Imports.....thous. of lbs.	299	276	262	225	295	439	274	154	0	216	101	153	171
Price, 150 denier, "A" grade, New York.....dolls. per lb.	.75	.75	.75	.75	.75	.75	.75	.75	.95	.95	.95	.95	.95
Silk													
Deliveries (consumption).....bales.	46,454	44,746	42,161	45,073	41,356	55,383	54,242	55,910	55,424	57,333	61,937	55,649	41,734
Imports, raw.....thous. of lbs.	7,167	6,724	6,409	6,520	4,823	7,725	7,318	7,405	9,877	7,000	8,940	7,887	8,244
Prices:													
Raw, Japanese 13-15, New York.....dolls. per lb.	2.512	2.364	2.463	2.266	2.266	2.561	2.709	2.807	2.709	2.463	2.512	2.413	2.955
Silk goods, composite.....dolls. per yd.	.98	.98	.99	.99	.99	.99	1.00	1.02	1.02	1.02	1.02	1.04	1.06
Silk machinery activity:													
Broad looms.....p. ct. of normal.	79.4	76.4	75.6	76.3	90.9	93.8	96.5	94.0	94.0	96.5	88.2	80.6	73.1
Narrow looms.....p. ct. of normal.	38.2	35.3	43.9	42.5	44.6	44.2	51.7	39.2	35.8	60.8	38.2	44.7	36.9
Spinning spindles.....p. ct. of normal.	48.7	44.6	42.8	49.5	51.8	58.6	58.9	55.2	65.8	75.1	70.2	57.7	49.1
Stocks, end of month:													
At warehouses.....bales.	41,878	29,921	37,352	32,688	35,497	47,407	45,399	51,814	58,430	49,238	51,278	47,621	44,978
At manufacturing plants.....bales.	21,122	16,990	18,706	18,206	20,425	22,231	23,124	23,588	24,242	24,929	22,954	21,243	20,511
Wool													
Consumption at textile mills, grease equivalent.....thous. of lbs.	51,140	53,886	45,805	52,199	47,710	40,373	38,420	33,856	30,007	31,237	40,975	38,083	33,761
Consumption at textile mills.....rel. to 1923-25.	107.9	113.7	96.7	110.2	100.7	85.2	81.1	71.5	63.3	65.9	86.5	80.4	71.8
Imports:													
In condition, imported.....thous. of lbs.	9,679	12,987	16,868	14,168	21,258	15,348	11,687	13,767	10,920	8,546	8,994	8,817	10,145
Machinery activity, hourly:													
Combs.....p. ct. of hours active.	115	115	107	97	82	76	75	67	67	65	74	81	75
Looms—													
Carpet and rugs.....p. ct. of hours active.	38	38	40	46	44	44	39	29	29	38	38	36	34
Narrow.....p. ct. of hours active.	45	43	46	45	42	34	30	28	26	37	44	41	43
Wide.....p. ct. of hours active.	70	64	61	58	54	59	59	49	46	47	47	46	44
Set of cards.....p. ct. of hours active.	65	64	60	60	57	66	60	47	43	50	54	53	48
Spinning spindles—													
Woolen.....p. ct. of hours active.	66	64	61	60	55	57	66	48	45	52	53	55	48
Worsted.....p. ct. of hours active.	78	83	73	66	57	57	54	52	52	52	62	60	55
Prices:													
Raw, territory, fine, scoured.....dolls. per lb.	.63	.62	.62	.63	.65	.66	.66	.68	.72	.72	.75	.76	.76
Raw, Ohio and Penn. fleeces, 1/4 blood, combing, grease.....dolls. per lb.	.23	.21	.20	.20	.22	.22	.23	.26	.27	.29	.30	.31	.31
Suiting, 13-oz.....dolls. per lb.	1.490	1.494	1.494	1.494	1.494	1.543	1.601	1.601	1.601	1.601	1.601	1.601	1.601
Women's dress goods, French serge, 54-in. at factory.....dolls. per yd.	.925	.925	.925	.925	.968	1.050	1.050	1.050	1.050	1.050	1.093	1.100	1.100
Worsted yarns.....dolls. per lb.	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.17	1.20	1.20	1.20	1.20
Worsted yarns.....rel. to 1926.	69.7	69.7	69.7	69.7	69.7	69.7	76.6	76.6	81.8	83.6	83.6	83.6	83.6
Receipts at Boston:													
Domestic.....thous. of lbs.	34,445	76,046	53,779	26,151	10,376	8,215	6,741	3,363	7,574	4,576	10,494	4,094	47,826
Foreign.....thous. of lbs.	2,405	3,335	2,964	4,190	7,399	5,064	6,528	7,432	4,000	1,664	2,245	2,980	3,846
Total.....thous. of lbs.	36,850	79,381	56,743	30,341	17,775	13,279	13,269	10,795	11,574	6,240	12,739	7,074	51,672
TOBACCO													
Unmanufactured:													
Production, crop estimate.....mills. of lbs.	1,648								1,641				
Exports, leaf.....thous. of lbs.	23,113	20,574	38,737	48,911	45,006	39,908	46,879	50,440	62,148	57,964	78,262	53,841	39,527
Stocks—													
Chewing, smoking, snuff and export types, quarterly.....mills. of lbs.			1,453			1,698			1,492			1,266	
Cigar types, quarterly.....thous. of lbs.			370,142			354,184			277,850			303,104	
Total, including imported types, quarterly.....mills. of lbs.			1,915			2,151			1,853			1,649	
Manufactured products:													
Consumption (tax-paid withdrawals)—													
Large cigars.....thousands.	463,256	478,901	517,514	467,300	459,982	440,472	362,839	362,939	349,635	528,128	623,861	523,973	517,200
Small cigarettes.....millions.	9,520	10,700	11,508	10,448	9,471	9,802	8,836	9,368	8,675	7,952	10,947	10,190	10,577
Manufactured tobacco and snuff.....thous. of lbs.	31,558	30,661	31,086	30,780	30,781	31,049	29,562	31,697	25,815	25,976	33,026	32,166	31,870
Manufacturing operations.....rel. to 1923-25.	118	122	133	137	134	131	132	121	128	119	129	125	130
Exports, cigarettes.....thousands.	254,049	243,233	244,201	250,858	241,703	324,808	256,706	229,697	338,808	251,507	318,751	305,676	295,744
MISCELLANEOUS PRODUCTION													
Buttons													
Fresh-water pearl buttons:													
Production, ratio to capacity.....per cent.		31.3	45.0	44.7	45.2	47.5	44.6	35.5	40.6	42.0	38.8	36.2	25.7
Stocks, end of month.....thous. of gross.		8,842	9,252	9,224	9,408	9,518	9,807	10,154	8,842	8,756	8,808	9,061	9,258
Imports:													
Buttons—													
Product of Philippines.....thous. of gross.	95	68	118	61	55	94	50	50	82	65	72	78	60
All other.....thous. of gross.	6	10	446	11	2	2	3	4	9	9	5	3	14
Shells—													
Mother-of-pearl.....thous. of lbs.	399	256	262	272	395	289	273	475	896	402	354	802	844
All other.....thous. of lbs.	467	134	527	43	48	95	369	22	15	458	586	164	56
Tagua nuts.....thous. of lbs.	1,527	2,025	1,999	901	1,720	592	1,329	270	858	331	1,204	1,286	708

* Revised.

* Quarter ended in month indicated.

* As of Aug. 1.

* Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FUELS													
Coal													
Anthracite:													
Exports.....thous. of long tons..	101	110	146	148	120	79	159	207	178	182	253	108	205
Prices—													
Retail, composite, dolls. per short ton..	14.73	14.59	14.31	14.19	14.39	14.85	14.85	14.88	14.89	14.90	14.87	14.80	14.57
Wholesale, composite, dolls. per long ton..	12.796	12.614	12.413	12.270	12.202	12.608	12.732	12.732	12.751	12.751	12.762	12.707	12.578
Wholesale, composite.....rel. to 1926..	92.9	91.6	90.2	89.1	88.6	91.6	92.5	92.5	92.6	92.6	92.7	92.3	91.4
Production.....thous. of short tons..	4,314	3,954	4,544	5,005	5,700	4,745	5,391	6,157	6,086	5,207	7,576	5,293	6,081
Stocks, end of month, in yards of dealers.....no. of days' supply..			60		45	21		31	43		47	61	
Bituminous:													
Consumption—													
By coke plants—													
Canada.....thous. of short tons..		193	213	229	230	247	235	236	246	249	249	233	244
United States.....thous. of short tons..	3,634	3,795	4,027	4,629	4,682	4,902	4,408	4,686	4,737	4,820	5,270	5,214	5,559
By electric power plants.....thous. of short tons..		3,148	2,946	2,953	2,963	3,410	3,286	3,688	3,837	3,670	3,944	3,725	3,650
By railroads.....thous. of short tons..		5,463	5,314	5,821	5,885	6,414	5,810	6,598	6,622	6,642	7,124	6,349	6,408
By vessels clearing ports.....thous. of long tons..	165	186	209	195	168	136	141	187	201	204	230	269	261
Exports.....thous. of long tons..	1,217	1,087	994	926	671	665	645	700	803	1,287	1,317	1,462	1,433
Prices—													
Mine average (spot).....dolls. per short ton..	1.57	1.58	1.56	1.60	1.64	1.69	1.77	1.77	1.77	1.78	1.81	1.75	1.68
Prepared sizes (composite).....dolls. per net ton..	3.907	3.856	3.816	3.838	3.845	4.001	4.223	4.268	4.317	4.336	4.342	4.303	4.180
Prepared sizes (composite) rel. to 1926..	81.5	80.4	79.6	80.1	80.2	83.5	88.1	89.0	90.0	90.5	90.6	89.8	87.2
Retail, composite, dolls. per short ton..	8.11	8.09	8.00	8.04	8.46	8.71	8.83	8.87	8.94	8.94	8.88	8.79	8.70
Wholesale, composite.....dolls. per short ton..	3.704	3.706	3.692	3.723	3.760	3.791	3.814	3.829	3.898	3.900	3.893	3.897	3.892
Wholesale, composite.....rel. to 1926..	85.9	85.9	85.6	86.3	87.2	87.9	88.4	88.8	90.4	90.4	90.2	90.3	90.2
Production—													
Canada.....thous. of short tons..		826	888	902	888	1,028	963	1,164	1,275	1,315	1,630	1,230	1,101
United States.....thous. of short tons..	30,534	29,790	29,185	28,314	28,478	33,870	31,408	38,542	39,716	38,122	44,150	38,632	35,661
Production index.....rel. to 1923-25..	70	74	74	75	77	76	73	77	85	86	87	85	82
Stocks, end of month, held by consumers.....thous. of short tons..			30,100		26,900	29,500		34,200	37,200		36,800	35,900	
Coke													
Exports.....thous. of long tons..	87	50	45	86	43	54	67	71	70	69	83	66	64
Price, furnace, Connellsville.....dolls. per short ton..	2.45	2.45	2.45	2.48	2.50	2.50	2.53	2.55	2.55	2.58	2.60	2.60	2.55
Price, furnace, Connellsville.....rel. to 1926..	59.7	59.7	59.7	60.3	60.9	60.9	61.5	62.1	62.1	62.7	63.3	63.3	62.1
Production:													
Canada.....thous. of short tons..		139	155	169	169	179	165	171	181	185	185	170	182
United States.....thous. of short tons..	70	76	87	94	109	149	163	163	170	166	176	167	163
Beehive.....thous. of short tons..	2,443	2,569	2,715	3,126	3,146	3,256	2,898	3,092	3,055	3,114	3,408	3,376	3,611
By-product.....thous. of short tons..													
Petroleum													
Asphalt:													
Imports.....thous. of short tons..	14	4	10	9	7	7	3	0	3	3	7	5	3
Production.....thous. of short tons..		314	315	304	243	190	166	147	168	217	306	306	346
Stocks, end of month.....thous. of short tons..		349	393	380	360	354	332	295	308	295	267	270	316
Coke:													
Production.....thous. of short tons..		173	180	178	168	170	151	159	166	158	177	170	172
Stocks, end of month.....thous. of short tons..		1,391	1,315	1,250	1,158	1,089	1,053	1,032	1,041	1,064	1,045	1,045	994
Crude petroleum:													
Consumption (run to stills).....thous. of bbls..	79,758	76,237	78,521	74,706	73,596	65,249	70,026	71,581	70,310	74,016	75,950	79,289	79,289
Imports.....thous. of bbls..	3,588	3,978	4,512	4,162	3,715	4,789	4,353	4,727	4,467	5,061	5,808	5,059	5,059
Oil wells completed.....number..	599	603	498	519	383	450	487	527	659	866	782	992	992
Price, Kansas-Oklahoma.....dolls. per bbl..	434	238	300	530	530	504	850	850	850	850	1,098	1,178	1,178
Price, Kansas-Oklahoma.....rel. to 1926..	23.0	12.6	15.9	28.1	31.5	45.1	45.1	45.1	45.1	45.1	58.3	62.5	62.5
Production.....thous. of bbls..	77,961	75,116	77,164	73,101	69,397	60,645	65,991	66,985	68,174	72,696	70,977	74,853	74,853
Production index.....rel. to 1923-25..	114	122	122	121	112	110	110	111	111	114	115	114	117
Refinery operations.....p. ct. of capacity..	68	67	67	67	64	63	61	63	63	64	63	69	70
Refinery operations index.....rel. to 1923-25..	162	161	163	161	152	149	144	149	149	151	160	165	164
Stocks, end of month—													
California—													
Heavy.....thous. of bbls..	98,098	99,015	100,011	100,578	100,531	101,442	102,368	104,121	103,553	102,643	103,647	103,701	103,701
Light.....thous. of bbls..	39,621	40,043	40,805	40,840	41,016	40,651	40,339	40,625	40,652	40,738	40,582	40,671	40,671
East of California—													
Refineries.....thous. of bbls..	41,007	41,734	41,819	41,413	40,786	42,027	41,785	41,191	43,446	46,032	45,445	46,785	46,785
Tank farms and pipe lines.....thous. of bbls..	305,009	305,876	306,287	308,752	310,377	313,310	317,854	320,510	323,089	323,030	324,644	328,355	328,355
Total.....thous. of bbls..	346,016	347,610	348,106	350,165	351,163	355,337	359,639	361,701	366,535	369,062	370,089	375,110	375,110
Mexico—													
Production.....thous. of bbls..	3,129	2,960	3,080	2,761	2,819	2,564	2,890	2,922	2,895	3,147	3,243	3,440	3,440
Exports.....thous. of bbls..	2,183	2,716	2,808	2,392	1,528	1,463	1,263	1,690	1,895	2,093	2,419	2,639	2,639
Venezuela—													
Exports.....thous. of bbls..	9,274	9,401	8,561	9,049	8,586	10,362	9,516	10,877	10,704	11,134	12,208	11,674	12,182
Production.....thous. of bbls..	9,796	9,913	9,181	9,515	9,263	10,283	9,486	10,384	10,492	10,911	11,785	11,311	11,378
Gas and fuel oils:													
Consumption—													
By electric power plants.....thous. of bbls..		714	622	541	552	643	637	800	845	790	902	845	764
By railroads.....thous. of bbls..		3,567	3,440	3,606	3,536	3,644	3,181	3,599	3,705	3,806	4,355	3,841	3,817
By vessels.....thous. of bbls..	3,442	3,839	4,053	4,286	4,043	3,657	3,622	3,544	3,868	3,794	4,463	4,333	4,702
Price, Oklahoma 24-26, refineries.....dolls. per bbl..	280	294	385	463	488	510	588	600	610	594	594	580	600
Production.....thous. of bbls..	29,488	29,512	29,940	30,073	30,754	26,536	29,174	29,704	29,034	29,818	29,923	29,862	29,862
Stocks at refineries at end of month.....thous. of bbls..	41,416	38,581	36,579	33,854	32,105	32,159	33,977	37,007	40,427	41,293	41,480	39,729	39,729
Gasoline:													
Consumption.....thous. of bbls..	39,459	38,375	35,716	33,400	31,037	26,133	26,844	29,094	30,984	32,267	37,823	37,433	37,433
Exports.....thous. of bbls..	3,982	4,157	3,093	4,792	3,988	2,841	3,586	4,462	4,143	3,536	6,131	3,826	6,375
Prices, wholesale, New York, dolls. per gal..	.133	.133	.133	.133	.133	.133	.133	.135	.141	.141	.143	.148	.163
Prices, retail, tank wagon, 50 cities.....dolls. per gal..			.125	.122	.124	.137	.149	.148	.146	.150	.154	.159	.163

2 Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FUELS—Continued													
Petroleum—Continued													
Gasoline—Continued.													
Production—													
Natural gas (at plants).....thous. of bbls.		3,521	3,521	3,814	3,824	4,048	3,631	4,140	4,198	4,238	4,326	4,079	4,212
Raw (at refineries).....thous. of bbls.		38,440	37,024	39,019	36,601	35,246	31,328	32,708	31,352	33,616	37,400	36,944	37,844
Retail distribution—41 States.....mills. of gals.					962	874	777	835	800	929	1,022	1,090	2,112
Stock, end of month—													
Natural gas (at plants).....thous. of bbls.		855	860	996	1,006	884	692	606	578	596	559	534	744
Raw (at refineries).....thous. of bbls.		40,332	41,296	47,948	48,587	48,225	45,355	42,818	40,741	38,705	38,684	38,254	41,624
Kerosene:													
Consumption.....thous. of bbls.		2,114	2,104	2,395	2,804	2,691	2,272	2,596	2,786	2,841	2,599	2,768	2,773
Exports.....thous. of bbls.	1,131	1,214	720	1,145	753	1,151	974	1,275	1,310	970	1,373	1,319	1,687
Price, 150° water white.....dolls. per gal.	.038	.038	.042	.045	.048	.051	.053	.054	.054	.053	.054	.053	.050
Production.....thous. of bbls.		3,696	3,404	3,389	3,397	3,676	3,171	3,560	3,575	3,560	3,876	3,846	3,975
Stocks at refineries, end of month.....thous. of bbls.		6,869	6,521	5,960	6,129	6,300	6,477	6,553	6,883	7,379	7,633	7,771	8,090
Lubricating oil:													
Consumption.....thous. of bbls.		1,969	1,615	1,865	1,850	1,950	1,583	1,715	1,458	1,573	1,569	1,944	1,940
Price cylinder oil.....dolls. per gal.					.145	.145	.146	.165	.172	.184	.186	.190	.193
Production.....thous. of bbls.		2,337	2,088	2,264	2,316	2,293	2,036	2,441	2,500	2,409	2,546	2,723	2,971
Stocks at refineries, end of month.....thous. of bbls.		9,597	9,763	10,119	10,463	10,710	10,911	11,013	10,971	10,536	10,502	10,257	10,161
Wax:													
Production.....thous. of lbs.		37,800	34,160	35,840	33,400	37,520	38,640	42,560	36,120	35,840	38,080	43,960	39,760
Stocks, end of month.....thous. of lbs.		198,407	200,836	205,803	205,105	208,620	229,414	233,044	232,592	237,027	240,060	248,940	2549.90
DISTRIBUTION MOVEMENT													
Advertising													
Magazine advertising.....thous. of lines.	1,316	1,613	2,191	2,375	2,421	2,203	1,992	1,585	2,265	2,488	2,490	2,145	2,168.1
Magazine advertising, total cost.....thous. of dollars.	10,008	12,314	16,692	16,959	17,173	16,002	15,367	10,820	15,352	17,359	17,759	15,214	12,075
Newspaper advertising.....thous. of lines.	67,235	66,877	79,772	88,443	88,737	90,244	72,282	75,823	82,467	89,424	98,437	88,648	70,018
Radio broadcasting, facilities, cost.....thous. of dollars.	2,514	2,764	2,825	3,036	3,161	3,141	2,591	2,637	2,718	2,577	2,674	2,123	1,960
Agricultural Products (Marketing)													
Agricultural, total.....rel. to 1923-25..	86.8	103.3	61.4	68.4	57.9	67.3	68.7	76.3	105.0	142.8	200.7	167.2	119.5
Animal products:													
Dairy products.....rel. to 1923-25..	96.3	123.6	156.6	130.9	113.1	102.9	91.3	96.4	92.7	77.8	82.2	86.3	94.6
Fish.....rel. to 1923-25..	188.6	161.2	144.5	138.5	174.3	169.4	116.2	103.4	98.9	146.2	172.0	229.1	202.0
Livestock.....rel. to 1923-25..	82.3	72.6	77.9	80.2	82.6	79.6	79.8	96.2	93.9	88.0	108.0	93.9	76.5
Poultry and eggs.....rel. to 1923-25..	88.0	88.6	115.6	125.6	137.0	121.8	94.0	95.0	137.8	121.6	79.2	78.2	71.6
Wool.....rel. to 1923-25..	259.6	573.2	405.4	197.1	78.2	61.9	50.8	25.3	57.1	34.5	79.1	30.9	360.5
Total.....rel. to 1923-25..	94.2	105.2	118.0	106.7	101.2	94.0	85.5	94.7	97.8	88.5	96.7	91.2	91.4
Crops:													
Cotton.....rel. to 1923-25..	29.2	22.6	9.1	28.3	29.8	38.6	45.1	64.0	144.9	240.6	327.5	219.3	77.7
Fruits.....rel. to 1923-25..	154.1	139.3	88.8	102.2	70.6	75.1	68.1	70.2	67.1	109.0	249.0	164.3	133.1
Grains.....rel. to 1923-25..	135.8	183.2	68.6	69.0	63.9	80.0	84.6	81.0	79.8	72.3	82.6	139.0	180.5
Vegetables.....rel. to 1923-25..	64.1	103.4	165.8	135.6	93.3	104.3	91.1	98.0	89.6	168.4	138.8	81.9	81.9
Total.....rel. to 1923-25..	86.0	103.1	55.2	82.0	53.1	64.4	66.8	74.3	105.8	148.8	212.1	175.5	122.5
Collections													
Delinquent accounts, electrical trade:													
Amount.....dollars.	70,681	98,621	111,183	91,332	112,843	138,592	132,609	112,250	150,349	96,912	122,150	93,888	127,006
Delinquent firms.....number.	780	933	948	941	1,258	1,228	1,141	1,089	1,065	868	1,101	939	1,135
Forest Products (Marketing)													
Distilled wood.....rel. to 1923-25..	30.0	28.8	33.5	43.3	45.7	70.5	65.8	74.2	67.0	67.0	60.0	50.2	44.7
Gum.....rel. to 1923-25..	141.5	186.7	189.9	136.5	98.3	39.7	25.5	37.1	117.7	112.9	143.1	158.2	171.2
Lumber.....rel. to 1923-25..	61.7	61.1	62.1	62.8	59.1	55.4	51.6	50.5	50.7	63.4	63.4	57.7	62.8
Pulpwood.....rel. to 1923-25..	85.3	87.7	96.6	123.1	117.2	118.3	103.1	110.9	115.6	105.4	99.3	63.9	76.1
Total.....rel. to 1923-25..	65.1	65.7	67.5	68.4	64.0	60.9	55.9	55.9	58.0	62.9	68.2	60.2	77.0
Postal Business													
Air mail, weight dispatched.....pounds.	779,105	781,419	750,960	750,638	724,617	642,484	687,560	767,229	637,062	743,705	705,963	695,318	
Money orders:													
Domestic, issued (50 cities)—													
Quantity.....thousands.	3,501	3,729	3,766	3,828	4,015	3,567	3,749	4,165	3,525	3,662	3,415	3,285	
Value.....thous. of dollars.	34,224	36,315	36,006	37,803	37,250	33,240	36,352	39,627	34,525	35,916	33,923	33,363	
Domestic, paid (50 cities)—													
Quantity.....thousands.	9,930	10,734	10,902	11,562	11,132	9,701	10,590	11,716	10,248	11,514	9,758	9,681	
Value.....thous. of dollars.	76,365	79,311	81,956	90,646	81,747	70,935	78,273	91,923	79,934	90,647	79,174	77,670	
Foreign, issued.....thous. of dollars.	4,412	4,348	4,073	4,442	5,014	4,032	4,893	10,443	5,178	4,996	4,781	5,225	
Postal receipts:													
Total index.....rel. to 1923-25..	92.9	99.4	104.5	109.9	113.1	100.1	110.3	145.3	106.2	121.1	107.9	98.1	
50 selected cities.....thous. of dollars.	23,389	24,578	26,442	27,844	29,257	30,178	26,405	29,172	38,572	28,379	32,279	28,764	25,876
50 industrial cities.....thous. of dollars.	2,869	2,903	2,957	3,047	3,268	3,284	3,215	3,466	4,418	3,028	3,568	3,160	3,132
Retail Sales													
Department store sales, value of:													
United States, adjusted.....rel. to 1923-25..	90	91	95	97	106	97	98	97	94	98	102	99	102
United States, unadjusted.....rel. to 1923-25..	68	65	90	97	101	92	80	79	165	113	112	103	77
Department store stocks, end of month:													
United States, adjusted.....rel. to 1923-25..	79	81	82	83	83	84	86	88	91	92	92	91	91
United States, unadjusted.....rel. to 1923-25..	76	75	80	85	87	87	81	78	85	104	101	95	87
Mail-order houses:													
Total sales, 2 houses.....thous. of dollars.	43,004	45,093	49,480	50,079	52,078	43,008	39,422	41,459	72,486	55,713	68,878	54,419	50,682
Total sales, 2 houses.....rel. to 1923-25..	132	138	151	153	159	132	121	127	222	170	211	166	155
Sears, Roebuck & Co.....thous. of dollars.	26,597	29,773	30,261	31,523	31,520	25,407	24,177	24,839	43,814	33,312	38,785	33,086	20,715
Montgomery, Ward & Co.....thous. of dollars.	16,407	15,320	19,219	18,547	20,558	17,601	15,245	16,620	28,672	22,401	30,093	21,333	20,967

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
DISTRIBUTION MOVEMENT—Con.													
Retail Sales—Continued													
Restaurant chains:													
Childs Co.—													
Sales.....thous. of dolls.	2,030	1,858	1,547	1,957	2,059	2,064	1,889	2,083	2,277	2,075	2,259	2,136	2,173
Stores operated.....number	108	109	108	110	111	111	111	112	112	111	111	113	113
J. R. Thompson Co.—													
Sales.....thous. of dolls.	1,301	1,086	1,093	1,262	1,175	1,208	1,082	1,192	1,246	1,186	1,287	1,215	1,208
Stores operated.....number	117	118	117	116	117	117	120	120	120	121	121	120	120
Waldorf System (Inc.)—													
Sales.....thous. of dolls.	1,248	1,244	1,245	1,337	1,360	1,351	1,210	1,295	1,379	1,338	1,338	1,291	1,261
Stores operated.....number	165	162	162	162	160	160	160	152	152	147	145	147	146
Total sales, 3 chains—													
Total.....thous. of dolls.	4,579	4,188	4,185	4,496	4,594	4,623	4,181	4,570	4,902	4,599	4,884	4,642	4,642
Stores operated.....number	391	388	388	387	387	388	391	384	384	379	377	380	379
Grocery chains:													
Atlantic & Pacific Tea Co.—													
Total sales.....thous. of dolls.	74,411	95,528	80,851	102,946	85,160	82,719	82,385	97,559	81,347	79,820	100,960	77,023	78,367
Weeks in month.....number	4	5	4	5	4	4	4	5	4	4	5	4	4
Weekly average.....thous. of dolls.	18,603	19,106	20,213	20,589	21,290	20,680	20,596	19,512	20,337	19,955	20,192	19,256	19,591
Tonnage sales.....tons	399,779	513,095	454,268	563,223	454,479	435,292	439,545	508,490	416,673	400,203	481,703	569,673	373,566
Weekly average.....tons	99,945	102,619	113,567	112,645	113,620	108,823	109,886	101,980	104,168	100,051	96,341	92,418	93,392
Chain stores, sales:													
F. W. Woolworth & Co.—													
Sales.....thous. of dolls.	21,712	21,079	21,978	24,117	23,830	21,724	19,386	19,240	42,320	24,077	26,422	22,353	22,055
Stores operated.....number	1,895	1,889	1,889	1,896	1,896	1,894	1,888	1,886	1,890	1,890	1,889	1,886	1,881
F. & W. Grand—													
Sales.....thous. of dolls.			1,833	1,825	2,004	1,604	1,431	1,371	3,545	1,894	2,026	1,603	1,609
Stores operated.....number			119	118	117	116	114	112	112	112	111	111	108
G. C. Murphy Co.—													
Sales.....thous. of dolls.	1,519	1,475	1,569	1,549	1,588	1,329	1,204	1,221	3,170	1,579	1,621	1,344	1,362
Stores operated.....number	172	170	169	168	168	166	166	166	166	165	163	162	163
Isaac Silver & Bros.—													
Sales.....thous. of dolls.			692	695	723	596	513	476	1,421	673	693	566	608
Stores operated.....number			45	45	45	45	45	45	45	45	44	45	45
J. C. Penny Co.—													
Sales.....thous. of dolls.	13,257	12,779	14,832	15,450	15,380	12,443	9,540	9,725	23,703	18,937	19,860	15,956	14,399
Stores operated.....number	1,456	1,453	1,453	1,453	1,454	1,454	1,453	1,452	1,452	1,452	1,450	1,446	1,440
McCormick Stores Corp.—													
Sales.....thous. of dolls.	3,214	3,004	3,240	3,412	3,703	3,381	2,946	2,903	6,783	3,617	3,606	3,278	3,406
Stores operated.....number	243	242	243	243	243	242	242	242	242	242	241	240	240
Metropolitan—													
Sales.....thous. of dolls.	518	558	702	713	722	508	445	487	1,606	724	699	621	661
Stores operated.....number	83	83	83	84	81	93	94	95	95	95	95	95	95
S. H. Kress & Co.—													
Sales.....thous. of dolls.	5,286	5,104	5,467	5,469	5,761	5,259	4,487	4,400	12,061	5,528	5,716	5,478	5,125
Stores operated.....number	218	218	217	216	216	213	211	211	213	213	213	211	211
S. S. Kresge Co.—													
Sales.....thous. of dolls.								9,825	23,982	12,503	12,853	11,265	11,410
Stores operated.....number								681	678	676	668	665	656
W. T. Grant Co.—													
Sales.....thous. of dolls.	5,395	5,227	6,289	6,606	6,402	5,334	4,347	4,110	11,797	6,677	7,084	5,256	5,383
Stores operated.....number	381	375	371	367	364	354	350	350	348	346	340	318	309
Miscellaneous chain group:													
Five and Ten—													
Actual.....rel. to 1923-25..	142	139	147	155	160	144	127	124	298	159	168	147	146
Adjusted for seasonal.....rel. to 1923-25..	15.8	147.3	160.6	166.7	167.9	158.7	162.5	160.8	153.2	158.3	151.0	156.0	163.0
Warehouses													
Public merchandising warehouses, space occupied.....p. ct. of total		63.9	64.7	65.8	65.9	66.8	67.9	68.9	70.4	69.9	68.8	68.4	68.4
FOREIGN TRADE													
Canadian													
Total trade:													
Exports.....thous. of dolls.	49,894	50,641	55,320	60,845	34,674	56,296	44,914	45,634	68,053	74,592	84,298	82,190	70,613
Imports.....thous. of dolls.	47,308	48,379	52,508	73,457	51,189	75,348	50,994	50,414	60,338	76,325	78,368	87,900	77,906
United States													
Exports:													
Grand total, including reexports.....thous. of dolls.	165,000	180,670	187,190	203,991	214,888	235,881	224,413	249,646	275,193	289,021	327,120	311,889	298,118
Grand total, including reexports, index.....rel. to 1923-25..	43.5	47.6	49.3	53.7	56.6	62.1	59.1	65.8	72.5	76.1	86.2	82.1	78.5
By grand divisions—													
Africa, total.....thous. of dolls.		5,070	4,648	6,129	4,925	4,923	4,934	5,514	5,635	6,588	6,272	6,400	7,525
Asia and Oceania—													
Total.....thous. of dolls.	34,660	30,277	33,420	36,202	38,913	33,252	35,431	42,279	39,219	44,204	41,268	33,641	
Japan.....thous. of dolls.	10,885	8,798	11,201	14,230	17,995	11,257	14,743	12,593	12,423	11,249	13,025	8,821	
Europe—													
Total.....thous. of dolls.	79,977	88,149	89,576	94,320	113,838	117,938	131,699	141,621	155,227	174,652	158,717	143,262	
France.....thous. of dolls.	7,392	8,688	10,121	11,329	12,456	13,564	16,676	19,172	22,094	23,683	20,069	16,152	
Germany.....thous. of dolls.	8,286	10,819	13,153	12,282	19,195	16,960	17,015	20,326	23,686	31,507	32,912	22,784	
Italy.....thous. of dolls.	3,757	3,622	3,887	3,884	5,691	4,168	5,260	8,625	7,582	8,924	8,105	5,775	
United Kingdom.....thous. of dolls.	32,564	30,815	34,238	33,344	39,706	38,626	49,744	53,871	61,094	71,915	57,841	53,928	
North America—													
Total.....thous. of dolls.	48,018	51,247	59,581	62,974	63,068	52,762	56,952	61,921	64,471	76,175	79,533	82,945	
Canada.....thous. of dolls.	32,677	35,030	41,664	44,551	41,830	35,305	33,657	36,326	41,689	49,163	52,070	53,695	
South America—													
Total.....thous. of dolls.	12,945	12,869	15,286	16,467	15,139	15,508	20,049	23,737	23,516	25,817	25,911	25,744	
Argentina.....thous. of dolls.	4,706	4,295	5,583	5,803	4,512	4,922	5,467	8,801	8,728	10,361	9,776	9,741	

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FOREIGN TRADE—Continued													
United States—Continued													
Grand total, including exports, index—Con.													
By economic classes—													
Total domestic exports													
only.....thous. of dolls.	161,507	176,983	182,987	199,205	210,061	231,077	220,666	245,771	270,810	285,441	322,941	307,945	293,899
Crude materials.....thous. of dolls.	25,510	28,378	29,070	36,484	40,149	56,428	47,660	58,625	76,735	90,930	104,829	94,268	53,156
Foodstuffs, crude, and food animals.....thous. of dolls.	9,981	13,999	11,119	10,546	8,626	9,583	7,316	8,487	13,462	15,592	15,228	18,183	24,161
Manufactured foodstuffs.....thous. of dolls.	18,081	18,306	17,531	18,868	19,593	23,381	22,165	27,039	27,033	29,992	32,143	27,825	23,317
Finished manufactures.....thous. of dolls.	84,072	88,346	97,736	103,416	110,768	110,256	116,110	117,053	119,670	115,802	132,729	130,569	147,505
Semi-finished manufactures.....thous. of dolls.	23,863	27,953	27,451	29,891	30,925	31,429	27,415	34,567	33,910	33,125	38,012	37,099	40,760
Agricultural exports (quantities)—													
All commodities.....rel. to 1910-14.....		63	58	66	68	87	71	85	109	126	137	124	87
All commodities (except cotton).....rel. to 1910-14.....		96	86	89	81	86	82	95	105	116	127	114	130
Imports:													
Grand total.....thous. of dolls.	166,670	174,481	173,673	179,694	185,706	210,200	175,108	183,132	208,721	203,713	247,322	226,352	218,417
Grand total index.....rel. to 1923-25.....	51.6	54.0	53.8	55.6	57.5	65.1	54.2	56.7	64.6	63.1	76.6	70.1	67.6
By grand divisions—													
Africa, total.....thous. of dolls.	2,384	2,773	4,337	3,778	3,052	2,344	3,500	3,353	3,938	4,310	4,257	4,696	
Asia and Oceania—													
Total.....thous. of dolls.	48,772	52,757	49,964	53,180	59,552	50,183	56,024	64,941	53,032	73,909	62,020	68,789	
Japan.....thous. of dolls.	16,057	14,988	15,580	12,183	18,454	16,255	19,711	27,208	19,620	30,577	23,232	25,249	
Europe—													
Total.....thous. of dolls.	51,359	47,480	51,841	53,387	62,174	51,172	52,940	56,661	56,560	77,530	73,423	63,495	
France.....thous. of dolls.	5,459	5,516	6,143	6,250	6,598	6,880	5,881	7,275	8,227	11,673	10,351	8,806	
Germany.....thous. of dolls.	11,734	8,937	9,512	11,249	13,434	9,486	10,682	11,619	11,166	17,358	14,050	14,334	
Italy.....thous. of dolls.	4,138	4,269	4,627	5,741	6,192	5,128	3,724	5,252	6,353	6,461	4,976	4,546	
United Kingdom.....thous. of dolls.	10,951	11,000	12,354	11,561	13,033	11,970	10,913	10,913	15,289	17,743	17,017	13,840	
North America—													
Total.....thous. of dolls.	47,827	44,456	45,177	46,484	50,230	42,294	43,858	53,277	54,526	62,158	58,584	65,129	
Canada.....thous. of dolls.	22,341	22,854	24,110	23,757	24,148	21,454	23,534	26,139	30,279	34,306	32,508	29,286	
South America—													
Total.....thous. of dolls.	24,133	26,068	28,844	26,917	34,599	29,115	23,928	30,509	26,657	30,388	28,028	26,279	
Argentina.....thous. of dolls.	3,042	2,645	3,215	2,638	3,506	2,849	2,356	2,519	2,370	2,639	3,396	3,341	
By economic classes—													
Total.....thous. of dolls.	166,670	174,481	173,673	179,694	185,706	210,200	175,108	183,132	208,721	203,713	247,322	226,352	218,417
Crude materials.....thous. of dolls.	47,703	49,960	52,416	54,160	54,702	64,607	56,357	59,318	69,079	59,243	77,487	75,393	72,617
Foodstuffs, crude, and food animals.....thous. of dolls.	21,820	25,944	27,435	30,774	28,912	33,020	28,314	27,363	30,029	27,337	32,849	27,582	26,598
Manufactured foodstuffs.....thous. of dolls.	23,541	21,130	19,744	18,850	22,985	23,558	17,737	14,644	22,312	21,045	23,145	20,600	17,210
Finished manufactures.....thous. of dolls.	45,296	47,458	44,276	45,527	45,734	49,226	41,168	44,947	49,172	57,826	68,321	61,791	57,797
Semi-finished manufactures.....thous. of dolls.	28,310	29,988	29,803	30,382	33,373	39,789	31,532	36,860	38,129	38,262	45,520	40,986	44,196
EMPLOYMENT AND WAGES													
Employment													
Factory employment, adjusted. (Fed. Res. Bd.):													
Total.....rel. to 1923-25.....	74.1	75.1	76.0	77.8	78.0	77.9	77.8	78.3	80.1	81.1	82.2	83.4	84.4
Cement, clay, and glass.....rel. to 1923-25.....	60.1	62.7	64.4	65.4	65.2	65.2	65.0	64.4	68.6	70.0	71.4	71.7	71.4
Chemicals—													
Group.....rel. to 1923-25.....	86.6	89.4	89.6	93.0	91.7	89.8	94.5	96.6	97.9	98.3	101.1	102.3	104.4
Petroleum, refined.....rel. to 1923-25.....	84.8	87.1	90.2	94.5	94.0	87.2	97.4	99.7	100.8	100.8	104.3	106.6	110.1
Iron and steel.....rel. to 1923-25.....	70.3	72.1	72.6	74.8	76.5	76.6	75.9	77.5	79.1	80.2	81.3	81.7	83.9
Leather and its products.....rel. to 1923-25.....	84.3	84.8	83.9	84.2	84.0	82.2	78.4	77.1	76.6	77.4	80.2	82.7	85.1
Lumber and its products.....rel. to 1923-25.....	51.1	52.0	54.4	55.4	55.4	55.7	56.3	56.3	58.8	60.4	62.1	62.4	65.1
Machinery.....rel. to 1923-25.....	67.8	70.3	73.4	76.3	78.0	79.3	80.6	81.9	84.2	85.7	88.0	90.2	90.8
Nonferrous metals.....rel. to 1923-25.....	63.1	64.2	65.4	66.6	66.5	66.6	66.8	69.2	71.2	71.8	72.6	73.6	76.1
Paper and printing.....rel. to 1923-25.....	93.0	93.0	93.6	95.3	95.0	94.7	94.9	95.6	96.7	97.0	98.4	99.0	101.1
Rubber products.....rel. to 1923-25.....	70.5	73.8	75.7	74.0	70.5	68.4	71.4	73.7	74.7	75.2	75.4	75.3	80.0
Textiles.....rel. to 1923-25.....	80.9	79.6	78.6	81.2	80.2	79.7	77.2	75.5	77.4	79.4	80.7	82.4	81.0
Tobacco production.....rel. to 1923-25.....	79.1	81.4	80.4	82.1	82.1	83.4	84.6	81.3	83.5	82.0	83.5	85.1	84.1
Transportation—													
Group.....rel. to 1923-25.....	58.3	60.2	62.4	63.2	63.8	64.3	64.9	67.1	69.4	68.6	67.2	69.7	71.7
Automobiles.....rel. to 1923-25.....	64.2	67.6	70.7	70.9	70.3	70.2	68.8	72.3	78.9	76.4	69.6	71.1	74.8
Nonmanufacturing industries:													
Anthracite mining.....rel. to 1929.....	67.3	65.1	76.1	80.3	85.2	82.0	89.5	90.6	99.1	97.2	99.0	93.8	80.2
Bituminous coal mining.....rel. to 1929.....	77.0	76.4	78.4	82.4	85.9	88.8	91.5	93.9	92.5	92.5	91.8	90.5	89.2
Metalliferous mining.....rel. to 1929.....	55.8	56.2	60.0	62.4	63.9	63.5	65.3	68.3	70.1	72.8	77.2	78.1	79.0
Quarrying and nonmetallic mining.....rel. to 1929.....	68.9	71.0	72.3	75.0	76.1	70.0	66.6	64.4	70.2	78.3	84.7	87.7	89.3
Crude petroleum producing.....rel. to 1929.....	62.4	65.3	65.0	67.8	69.8	72.2	73.2	74.8	77.4	83.6	85.2	85.0	87.7
Telephone and telegraph.....rel. to 1929.....	85.9	86.6	86.9	87.4	88.1	88.6	89.2	90.5	91.6	93.0	94.5	96.8	98.8
Power, light, and water.....rel. to 1929.....	95.9	96.7	97.2	97.6	97.1	96.7	97.8	99.2	103.2	103.4	104.8	105.2	106.4
Operation and maintenance of electric railroads.....rel. to 1929.....	84.8	85.6	85.3	85.9	86.8	86.4	86.6	86.9	88.8	89.3	91.0	91.8	92.9
Wholesale trade.....rel. to 1929.....	86.5	86.8	87.1	87.1	87.4	87.4	88.2	89.5	92.0	92.6	94.2	94.8	95.0
Retail trade.....rel. to 1929.....	81.8	83.9	89.1	89.9	90.1	87.8	87.1	90.0	115.1	98.4	95.5	92.0	85.6
Hotels.....rel. to 1929.....	92.8	93.3	91.6	92.5	95.9	96.8	96.8	95.0	93.5	95.2	97.5	100.1	101.5
Canning and preserving.....rel. to 1929.....	142.9	102.2	70.6	56.0	59.6	53.0	48.3	48.9	61.6	96.7	164.7	246.6	185.7
Employees on pay roll, unadjusted:													
Cleveland.....rel. to Jan., 1921.....	81.3	80.3	83.8	86.9	88.8	90.0	90.0	89.8	87.9	87.4	91.6	92.0	96.1
Delaware.....rel. to 1923-25.....	83.2	84.4	85.6	86.3	86.9	88.1	87.6	87.1	86.7	87.9	91.0	98.5	101.6
Detroit.....rel. to 1923-25.....	50.0	61.8	73.2	80.4	83.5	83.0	84.2	76.5	40.0	75.8	79.0	74.8	83.0
Illinois.....rel. to 1925-27.....	70.1	70.5	72.3	74.5	75.6	76.6	76.5	76.3	77.5	77.7	80.2	82.9	84.9
Iowa.....rel. to 1923-25.....	109.1	108.7	110.1	110.1	111.0	112.5	114.6	113.8	117.2	117.7	114.3	115.1	117.2
Massachusetts.....rel. to 1925-27.....	69.1	67.6	69.0	70.8	72.2	71.9	71.2	69.4	69.9	73.2	75.4	76.2	77.7
Maryland.....rel. to 1921.....	72.3	72.5	73.8	75.9	76.2	76.2	75.5	73.6	76.7	78.8	81.6	83.4	82.0
New Jersey.....rel. to 1923-25.....	73.0	72.6	73.6	75.3	75.7	77.0	77.4	77.9	82.2	85.8	88.2	88.0	84.2
New York State.....rel. to 1923-25.....	64.0	64.2	65.6	67.6	69.0	69.6	68.5	67.5	69.3	72.0	74.3	75.6	73.9
New York State.....number.....	353,395	355,504	362,885	373,993	382,045	384,983	379,089	373,304	383,518	398,424	411,333	418,262	408,835
Ohio.....rel. to 1923-25.....	78.2	78.1	81.3	82.7	83.0	82.4	80.9	79.8	81.9	82.1	85.1	88.2	89.5
Oklahoma.....number.....					27,340	26,363	23,110	28,487	30,076	32,294	33,342	35,058	35,139
Pennsylvania.....rel. to 1923-25.....	72.9	72.5	74.8	77.4	79.4	79.8	80.2	78.9	81.7	84.7	86.4	87.5	86.6
Wisconsin.....rel. to 1925-27.....		79.6	76.7	78.1	77.9	78.2	77.6	76.9	77.5	78.5	81.3	83.1	85.2

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
EMPLOYMENT AND WAGES—Con.													
Employment—Continued													
Anthracite mines, employment, rel. to 1923-25..	65.5	63.4	74.2	78.3	82.9	79.9	87.1	88.3	96.5	94.7	96.2	91.9	81.7
Applicants per 100 jobs, employment agencies:													
Canada.....number.....			206	165	151	147	141	156	133	189	211	159	145
United States.....number.....		209	205	181	177	179	202	224	218	227	193	170	177
Central States.....number.....		247	246	206	199	215	232	261	233	251	240	222	204
Eastern States.....number.....		235	221	187	181	202	209	254	239	231	192	181	214
Southern States.....number.....		265	277	345	237	215	265	293	314	344	277	201	252
Western States.....number.....		94	84	66	80	75	89	91	103	123	74	71	79
Illinois.....number.....	244	250	245	218	215	228	250	331	270	280	278	230	234
Wisconsin.....number.....		186	212	197	172	197	250	230	191	210	178	188	162
Employment Trade Unions:													
Canada.....p. ct. of total membership.....			83.7	83.8	85.1	84.5	84.4	84.0	83.0	86.2	89.2	90.6	90.7
United States.....p. ct. of total membership.....	74.0	74.0	75.0	75.0	75.0	74.0	73.0	73.0	77.0	78.0	79.0	79.0	78.0
Employment, Canada.....rel. to 1926..	105.2	103.8	103.6	102.2	99.7	100.2	100.7	101.7	108.5	112.9	116.2	116.6	118.8
Factories, time operated:													
Total.....p. ct. of full time.....		89	89	90	91	91	90	89	90	90	92	92	91
Chemicals and other products.....p. ct. of full time.....		92	95	96	97	96	95	95	95	95	97	96	96
Food and kindred products.....p. ct. of full time.....		96	95	96	96	96	96	97	97	97	98	98	97
Leather and its finished products.....p. ct. of full time.....		92	90	91	92	91	92	89	87	84	90	91	93
Lumber and its manufactures.....p. ct. of full time.....		84	85	85	86	85	84	83	84	86	89	89	88
Iron and steel and their products.....p. ct. of full time.....		76	77	79	80	80	80	80	80	80	83	84	85
Nonferrous metals.....p. ct. of full time.....		84	84	85	86	87	87	86	86	87	89	90	89
Paper and printing.....p. ct. of full time.....		93	94	95	95	96	95	95	96	96	97	96	96
Stone, clay, and glass products.....p. ct. of full time.....		90	90	91	91	91	90	90	90	91	93	92	92
Textiles and their products.....p. ct. of full time.....		92	92	93	93	94	93	90	90	91	92	90	89
Tobacco manufactures.....p. ct. of full time.....		87	87	87	86	87	85	88	91	89	90	90	92
Vehicles for land transportation.....p. ct. of full time.....		89	91	92	92	91	91	89	91	91	93	93	93
Miscellaneous industries.....p. ct. of full time.....		85	86	88	88	87	87	88	88	88	90	91	90
Federal Civilian Employees (Washington).....number.....	71,658	71,693	72,417	72,297	71,917	71,162	71,252	71,189	71,052	70,790	70,598	70,197	
Hours of work in factories:													
Actual.....hours per week.....		39.9	40.9	42.7	41.7	41.8	42.3	40.2	41.6				
Nominal.....hours per week.....		48.0	47.9	48.0	48.0	48.2	47.9	48.0	48.3				
Labor disputes:													
Disputes.....number.....		113	98	49	39	27	34	20	7	29	36	44	33
Man-days lost in month.....number.....	877,789	603,953	402,437	760,720	422,545	228,329	181,031	194,455	273,608	335,916	208,184	142,738	
Workers involved.....number.....	68,282	25,334	15,735	22,604	28,139	12,512	2,927	5,144	7,759	16,007	13,778	7,131	
Labor turnover:													
Accessions.....p. ct. of no. on pay roll.....	30.6	35.5	29.3	32.8	37.2	43.2	36.8	35.0	25.1	24.9	30.1	39.8	31.9
Separations—													
Total.....p. ct. of no. on pay roll.....	43.2	54.9	61.9	45.1	41.6	34.8	35.0	33.9	44.6	47.6	52.9	60.9	67.7
Discharges.....p. ct. of no. on pay roll.....	2.6	2.9	2.8	3.3	3.8	3.1	2.6	2.2	2.5	2.9	3.8	4.4	4.2
Lay-offs.....p. ct. of no. on pay roll.....	28.2	39.1	46.7	28.6	23.9	20.6	22.8	23.0	32.2	33.7	33.9	38.2	47.0
Voluntary quits.....p. ct. of no. on pay roll.....	12.4	12.9	12.4	13.2	13.9	11.1	9.6	8.7	9.9	11.0	15.2	18.3	16.5
Ohio construction, employment.....rel. to 1926..	62.8	63.3	61.3	60.0	53.7	51.9	49.4	59.8	72.0	82.6	87.7	96.6	
Railways, employees on pay roll.....thousands.....			1,317	1,337	1,331	1,319	1,316	1,334	1,357	1,394	1,455	1,486	1,514
Wages													
Anthracite mines, pay roll.....rel. to 1923-25..	47.8	45.6	56.5	64.6	63.8	55.7	79.8	75.8	85.0	83.2	102.3	78.2	68.2
Factory pay rolls (Fed. Res. Bd.):													
Total.....rel. to 1923-25..	64.3	64.4	67.6	72.1	73.6	74.9	73.2	68.4	73.7	75.1	80.8	83.0	81.7
Cement, clay, and glass.....rel. to 1923-25..	48.1	49.4	54.4	56.7	55.7	54.0	51.4	46.6	56.3	60.9	66.4	66.4	66.4
Chemicals—													
Group.....rel. to 1923-25..	80.4	82.9	84.1	88.4	92.0	89.8	92.9	90.4	94.7	96.1	99.9	101.3	100.7
Petroleum refining.....rel. to 1923-25..	85.6	89.6	91.1	96.1	96.7	90.8	100.8	99.3	101.4	103.2	109.3	113.8	117.2
Iron and steel.....rel. to 1923-25..	50.6	52.4	57.6	64.9	69.1	70.0	67.5	62.4	66.7	68.9	75.8	75.4	77.5
Leather and its products.....rel. to 1923-25..	75.5	72.6	66.7	68.7	70.6	73.4	68.8	60.6	58.1	55.0	69.7	76.2	80.0
Lumber and its products.....rel. to 1923-25..	41.3	41.7	44.6	45.7	44.9	46.2	45.6	44.0	50.4	54.7	60.4	60.9	61.6
Machinery.....rel. to 1923-25..	55.2	57.4	62.4	67.8	69.7	72.0	71.9	69.9	75.0	75.1	81.4	84.2	85.6
Nonferrous metals.....rel. to 1923-25..	52.0	54.5	59.1	63.4	65.4	66.3	64.4	64.1	67.9	67.3	69.4	70.7	72.0
Paper and printing.....rel. to 1923-25..	93.1	93.6	96.6	100.0	100.6	101.9	100.7	101.3	105.7	105.0	105.4	106.3	106.9
Rubber products.....rel. to 1923-25..	62.2	64.0	72.4	71.0	66.8	63.2	63.8	63.8	62.6	58.7	65.9	71.8	77.6
Textiles.....rel. to 1923-25..	70.2	65.9	66.7	71.7	76.8	81.9	76.9	68.4	72.2	73.4	80.3	81.2	73.2
Tobacco products.....rel. to 1923-25..	66.3	67.5	68.6	68.3	65.7	68.3	65.3	64.3	77.7	76.8	78.0	80.0	77.2
Transportation—													
Group.....rel. to 1923-25..	50.9	52.7	58.8	66.1	65.3	64.1	62.2	51.8	60.8	60.8	62.8	66.0	66.3
Automobile.....rel. to 1923-25..	50.4	53.2	62.1	75.6	70.8	67.7	61.1	40.0	55.5	57.4	58.4	62.4	58.1
Nonmanufacturing industries:													
Anthracite mining.....rel. to 1929..	56.4	53.7	66.7	76.1	75.2	71.3	101.9	89.3	100.0	96.0	117.2	91.6	78.8
Bituminous coal mining.....rel. to 1929..	50.6	50.4	52.4	54.4	58.6	65.2	68.3	73.3	77.7	79.1	79.4	74.9	71.1
Metalliferous mining.....rel. to 1929..	40.2	41.3	46.1	49.3	51.4	52.8	54.6	55.0	59.9	63.4	68.6	69.9	71.0
Quarrying and nonmetallic mining.....rel. to 1929..	55.1	57.3	60.1	62.3	62.6	58.2	54.4	50.4	59.9	66.8	79.3	82.5	85.8
Crude petroleum producing.....rel. to 1929..	56.3	59.2	62.7	64.7	66.3	73.2	70.0	71.5	77.2	80.0	82.6	84.0	86.0
Telephone and telegraph.....rel. to 1929..	92.3	93.3	95.0	94.1	95.0	97.9	94.8	96.3	101.3	97.7	100.9	102.2	102.5
Power, light, and water.....rel. to 1929..	96.2	97.4	98.3	98.7	97.6	102.4	99.7	98.6	106.3	103.7	105.6	106.1	106.6
Operation and maintenance of electric railroads.....rel. to 1929..	81.9	83.3	84.8	85.1	86.6	88.1	87.1	85.6	88.6	87.7	89.9	90.5	92.1
Wholesale trade.....rel. to 1929..	82.1	83.3	84.1	84.7	85.2	89.1	88.4	87.5	91.3	91.0	92.9	93.6	93.6
Retail trade.....rel. to 1929..	80.3	83.3	87.6	88.0	88.3	87.5	86.7	89.4	107.7	96.8	95.1	92.4	87.6
Hotels.....rel. to 1929..	83.8	85.2	85.4	87.7	89.9	93.4	93.7	91.0	91.5	93.6	95.5	97.1	98.6
Canning and preserving.....rel. to 1929..	104.7	74.2	58.6	56.0	57.1	50.3	48.6	46.1	57.4	82.9	140.0	214.8	172.0
Farm wages, without board.....dolls. per month.....			37.00			38.37			39.04			44.28	

Revised.

Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
EMPLOYMENT AND WAGES—Con.													
Wages—Continued													
Industrial pay rolls:													
Total, monthly—													
Delaware.....rel. to 1923-25..	68.9	68.7	78.0	81.1	79.7	81.7	79.9	77.0	78.7	78.1	87.1	89.7	93.2
New Jersey.....rel. to 1923-25..	70.7	70.8	72.0	76.3	76.1	77.3	78.6	77.5	83.4	87.7	93.4	93.0	89.3
New York.....rel. to 1923-25..	61.6	62.0	63.2	66.6	69.1	71.1	68.8	66.7	69.7	72.2	76.2	80.0	77.2
Pennsylvania.....rel. to 1923-25..	56.1	55.6	60.6	64.9	69.5	68.4	68.3	66.2	71.3	74.8	80.7	81.4	82.0
Wisconsin.....rel. to 1923-27..		61.0	64.2	67.2	68.2	63.8	65.8	69.0	63.9	66.2	73.0	72.3	73.9
Weekly—													
New York State.....thous. of dolls..	9,279	9,347	9,524	19,046	10,414	10,723	10,365	10,048	10,513	10,883	11,489	12,061	11,631
Oklahoma.....thous. of dolls..					682	679	711	730	808	809	836	944	958
Road building, wages of common labor:													
United States average.....cents per hour..	36	36	37	37	25	37	36	36	37	38	39	40	39
East North Central section.....cents per hour..	35	35	36	37	36	41	33	37	37	37	38	38	37
East South Central section.....cents per hour..	19	20	20	21	20	21	22	21	22	24	24	24	26
Middle Atlantic section.....cents per hour..	37	36	36	38	38	41	39	40	41	40	41	42	42
Mountain section.....cents per hour..	47	45	46	45	43	44	42	44	45	47	48	48	46
New England section.....cents per hour..	44	45	44	45	47	48	48	48	51	50	49	50	50
Pacific section.....cents per hour..	50	51	51	50	51	52	51	51	51	52	53	53	55
South Atlantic section.....cents per hour..	20	22	21	21	22	24	24	20	22	22	22	23	28
West North Central section.....cents per hour..	35	35	36	36	36	37	36	37	37	35	38	37	36
West South Central section.....cents per hour..	22	20	20	22	21	23	28	26	28	26	27	27	26
Railways, average hourly wages.....dollars..	50	50	50	50	50	50	50	50	50	50	50	50	50
U. S. Steel Corp., wage rates, cents per hour..	50	50	50	50	50	50	50	50	50	50	50	50	50
Weekly earnings of factory labor:													
United States, totals, 23 industries—													
Grand total.....dollars..	22.49	22.34	23.07	24.25	23.82	23.93	24.29	23.07	24.03				
Grand total.....rel. to 1923..	84.5	84.0	86.7	91.1	89.5	89.9	91.3	86.7	90.3				
Men—													
Total.....dollars..	23.81	23.65	24.42	25.76	25.35	25.32	25.83	24.45	25.55				
Total.....rel. to 1923..	83.0	82.5	85.1	89.8	88.4	88.3	90.1	85.3	89.1				
Skilled.....dollars..	24.76	24.89	25.71	27.04	26.49	26.49	26.91	25.89	26.71				
Skilled.....rel. to 1923..	80.4	80.8	83.4	87.8	86.0	86.0	87.3	84.0	86.7				
Unskilled.....dollars..	18.86	18.92	19.55	20.75	20.46	20.78	20.89	19.77	20.46				
Unskilled.....rel. to 1923..	81.6	84.9	87.7	93.1	91.8	93.3	93.8	91.8	91.8				
Women.....dollars..	14.78	14.79	15.17	15.37	15.22	15.62	15.33	14.79	15.64				
Women.....rel. to 1923..	85.7	85.8	88.0	89.2	88.3	90.6	88.9	85.8	90.7				
Totals by States—													
Illinois.....dollars..	23.70	23.83	23.93	24.54	24.99	25.13	25.29	24.25	25.09	25.31	26.42	26.43	26.45
Illinois.....rel. to 1923-27..	83.5	84.1	84.3	86.5	88.1	88.6	89.1	85.5	88.4	89.2	93.1	93.1	93.2
New York.....dollars..	26.23	26.30	26.25	26.87	27.27	27.87	27.35	26.92	27.42	27.32	27.94	28.84	28.45
New York.....rel. to 1923..	96.3	96.5	96.4	98.6	100.1	102.3	100.4	98.8	100.7	100.3	102.6	105.9	104.4
Oklahoma.....dollars..					24.95	25.73	25.28	25.61	26.87	26.91	25.06	26.92	27.27
Wisconsin.....dollars..		19.37	21.16	21.65	22.26	22.69	21.64	19.70	20.84	21.33	22.89	22.16	22.21
Wisconsin.....rel. to 1923-27..		75.7	82.8	84.9	86.7	88.1	84.3	76.5	81.1	84.1	89.0	85.6	86.0
Youngstown district, wages of steel workers.....p. ct. of base scale..	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0	127.0
CONSTRUCTION													
Building Costs													
Building costs (A. G. C.), 1st of month.....rel. to 1913..		195	196	197	199	199	200	199	199	199	200	198	198
Building costs (E. N. R.), 1st of month.....rel. to 1913..	171.4	174.4	187.4	189.3	191.6	194.5	196.6	194.5	196.9	193.5	198.7	199.6	201.6
Building materials:													
Brick house, 6-rm., 1st of month.....rel. to 1913..	163	164	166	167	167	170	171	170	174	172	176	174	175
Frame house, 6-rm., 1st of month.....rel. to 1913..	156	155	158	160	157	163	165	163	168	165	171	168	166
Construction costs (Am. Appraisal):													
Brick, steel frame.....rel. to 1913..	163	165	166	166	172	178	179	179	179	180	186	188	190
Brick, wood frame.....rel. to 1913..	176	177	179	180	186	192	194	194	196	196	202	206	208
Frame.....rel. to 1913..	160	162	165	166	172	178	179	179	182	183	188	191	194
Reinforced concrete.....rel. to 1913..	165	166	168	169	175	181	182	182	184	185	190	193	195
Factory costs (quarterly) (Aberthaw).....rel. to 1914..			176			181			185			185	
Building volume (A. G. C.).....rel. to 1913..		140	137	107	87	78	99	95	123	173	186	199	206
Construction Contracts Awarded													
Total construction, adjusted, F. R. B.....rel. to 1923-1925..	60	61	64	66	73	77	79	71	73	76	78	81	81
Total construction, all types:													
F. W. Dodge Corp.—													
Projects.....number..	9,242	10,663	10,806	11,506	11,888	10,788	7,629	6,911	7,391	9,127	12,158	11,465	11,621
Floor space.....thous. of sq. ft..	30,631	33,812	35,001	38,941	39,580	37,955	28,339	24,635	29,055	33,059	39,484	41,193	39,766
Valuation.....thous. of dolls..	233,106	285,997	331,880	306,079	336,925	369,981	235,405	227,956	249,436	253,574	336,706	331,864	346,644
Public works and utilities:													
Projects.....number..	1,719	2,048	2,030	2,141	1,907	1,681	1,080	978	1,009	1,292	2,617	2,146	2,076
Floor space.....thous. of sq. ft..	737	1,233	2,367	387	785	522	246	303	697	468	339	1,484	1,297
Valuation.....thous. of dolls..	72,964	116,265	154,512	108,948	132,993	151,722	78,643	95,211	78,621	76,378	112,966	109,092	126,722
Residential buildings, all types:													
Projects.....number..	5,141	5,658	5,972	6,652	7,221	6,486	4,520	4,056	4,340	5,368	6,822	6,097	5,979
Floor space.....thous. of sq. ft..	14,124	15,889	16,913	21,911	22,633	22,090	16,559	12,235	14,705	18,844	22,337	19,688	16,843
Valuation.....thous. of dolls..	60,293	63,893	72,745	88,900	95,896	100,913	77,918	54,376	70,911	80,782	104,670	98,535	82,670
Contracts awarded, Canada.....thous. of dolls..	26,143	28,055	29,793	36,896	22,708	27,312	25,930	20,299	24,542	39,311	33,332	32,407	49,407
Engineering construction (E. N. R.):													
Total public.....thous. of dolls..	82,453	148,784	125,737	122,036	176,075	168,925	83,837	116,535	99,616	87,188	121,633	194,973	104,008
Water works.....thous. of dolls..	1,153	5,536	8,016	5,248	10,219	2,542	3,110	5,431	2,237	4,008	7,022	3,234	2,081
Sewers.....thous. of dolls..	6,059	5,697	5,370	3,254	7,727	11,300	3,043	5,079	5,669	4,647	6,150	8,664	8,492
Bridges, public.....thous. of dolls..	6,909	28,520	5,796	11,801	9,916	9,752	2,477	11,428	6,289	7,149	13,763	9,378	6,662
Excavation.....thous. of dolls..	1,711	1,180	1,419	4,198	1,143	1,122	1,768	2,908	3,762	8,523	1,053	6,038	2,252
Street and roads.....thous. of dolls..	31,088	56,511	62,471	63,167	81,623	53,388	36,682	39,620	25,650	25,798	47,886	41,601	49,241
Federal Government.....thous. of dolls..	10,839	22,560	20,158	10,340	26,389	66,225	14,571	10,576	12,300	8,723	8,815	10,083	9,718
Unclassified, public.....thous. of dolls..	5,990	4,129	3,965	5,422	8,214	10,247	5,633	16,134	22,915	11,805	3,798	7,162	3,446
Buildings, public.....thous. of dolls..	18,704	24,651	18,552	18,606	30,844	14,349	16,553	25,359	20,794	16,535	33,146	18,813	22,121

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
CONSTRUCTION—Continued													
Construction Contracts Awarded—Con.													
Engineering construction (E. N. R.)—Con.													
Total, private.....thous. of dolls.	66,448	121,326	70,589	95,797	140,830	78,421	94,705	120,660	73,199	102,146	121,305	109,227	135,584
Buildings, industrial.....thous. of dolls.	11,801	38,663	13,901	12,606	22,965	16,566	14,119	14,135	11,746	20,401	24,593	17,641	17,099
Buildings, commercial.....thous. of dolls.	33,256	55,242	40,986	54,413	67,444	46,128	50,432	54,316	51,742	73,447	83,723	73,492	76,798
Bridges, private.....thous. of dolls.	137	2,250	25	6,248	50	25	0	230	100	1,997	825	5,750	2,510
Unclassified.....thous. of dolls.	21,254	25,171	15,677	22,530	50,371	15,702	30,154	51,979	9,611	6,301	12,164	12,344	38,467
Highways													
Concrete pavements, new contracts:													
Total.....thous. of sq. yds.	7,675	12,470	15,957	12,303	24,671	19,467	9,403	10,107	8,808	6,293	9,745	10,080	10,657
Road.....thous. of sq. yds.	5,437	9,309	13,536	10,038	21,982	17,573	8,321	9,218	5,081	4,790	6,820	6,360	7,243
Federal-aid highways:													
Completed—													
Cost.....thous. of dolls.	26,799	26,164	13,994	5,059	9,100	5,826	9,654	17,416	42,751	40,418	41,088	18,422	18,541
Distance.....miles	943	1,018	651	225	254	205	188	422	1,071	1,138	1,025	544	537
Under construction, end of month.....miles	11,884	12,207	12,306	11,229	9,569	8,277	7,489	6,957	7,030	7,785	8,325	8,459	8,339
PUBLIC UTILITIES													
Gas and Electric Power													
Electric power companies, gross revenue.....thous. of dolls.				171,180	176,210	176,584	182,280	197,160	191,920	187,130	182,950	174,940	168,100
Electric power production:													
United States—													
Total.....mills. of kw. hrs.		7,731	7,514	7,639	7,643	7,876	7,160	7,947	8,108	7,693	8,195	7,792	7,906
By fuels.....mills. of kw. hrs.		4,995	4,630	4,500	4,520	5,243	5,001	5,597	5,746	5,502	5,906	5,517	5,397
By water power.....mills. of kw. hrs.		2,736	2,884	3,139	3,123	2,633	2,159	2,350	2,362	2,191	2,289	2,275	2,509
In street railways, manufacturing plants, etc.....mills. of kw. hrs.		506	509	447	454	452	410	460	502	465	496	479	536
In central stations.....mills. of kw. hrs.		7,225	6,005	7,192	7,189	7,424	6,750	7,487	7,606	7,228	7,709	7,313	7,380
Canada—													
Total.....mills. of kw. hrs.		1,240	1,281	1,360	1,405	1,414	1,336	1,485	1,542	1,515	1,575	1,443	1,412
By water power.....mills. of kw. hrs.		1,223	1,208	1,343	1,388	1,392	1,311	1,456	1,513	1,488	1,550	1,419	1,391
Exported.....mills. of kw. hrs.		95	89	87	98	128	145	162	149	142	161	154	143
Manufactured gas:													
Sales.....mills. cu. ft.			28,310	29,865	30,731	30,945	31,110	33,478	31,320	29,757	29,377	26,882	24,291
Revenue.....thous. of dolls.			30,654	31,827	32,356	32,386	32,504	34,947	32,963	31,751	31,698	29,518	26,847
Natural gas:													
Sales.....mills. cu. ft.			36,821	43,340	52,568	54,729	56,242	63,338	56,529	49,386	40,930	36,136	34,791
Revenue.....thous. of dolls.			16,159	20,108	24,225	26,031	27,124	31,037	26,816	22,426	17,031	14,592	13,920
Rate of manufacturing operations (based on consumption of electric energy for power purposes). (See under Industrial production.)													
Telephone													
Telephone companies:													
Operating revenues.....thous. of dolls.		74,802	75,919	76,804	77,098	77,124	73,277	76,825	77,280	76,139	79,193	76,925	76,279
Operating income.....thous. of dolls.		16,320	17,977	18,046	19,051	18,650	16,864	17,892	16,070	17,148	19,074	17,756	16,445
Telegraph													
Commercial telegraph tolls.....thous. of dolls.		8,774	9,212	9,133	9,391	9,346	8,346	8,943	10,012	8,647	10,137	10,117	10,121
Operating revenues.....thous. of dolls.		11,370	11,875	11,744	11,963	12,024	10,906	11,528	12,973	11,348	12,157	13,054	12,965
Operating income.....thous. of dolls.		461	1,737	1,426	1,513	1,405	721	609	1,517	735	1,829	1,467	1,400
Transportation													
Express earnings:													
Operating income.....thous. of dolls.				107	129	119	134	128	102	124	118	115	124
Operating revenue.....thous. of dolls.				10,493	10,196	10,113	9,687	9,884	10,826	10,474	10,940	10,810	10,416
Electric railways (212 companies):													
Average fare.....cents					8.072	8.072	8.066	8.064	8.050	8.050	8.376	8.370	8.352
Passengers carried.....thous. of persons				666,410	672,555	690,476	629,336	692,709	718,784	658,789	701,279	646,036	646,750
Inland waterways:													
Allegheny River.....short tons	294,720	237,024	143,627	169,760	134,854	52,700	49,620	56,740	64,170	230,423	246,832	282,393	387,260
Cape Cod Canal.....short tons	186,414	211,172	203,230	216,559	203,085	163,186	165,789	233,890	225,021	225,322	230,043	244,640	247,376
Mississippi River Government barges.....short tons	104,000	104,300	86,016	99,901	82,465	82,970	69,572	75,512	107,507	83,480	102,569	113,749	70,088
Monongahela River.....thous. of short tons	1,042	1,331	1,257	1,508	1,518	1,635	1,359	1,571	1,547	1,811	2,075	2,087	2,152
New York State canals.....thous. of short tons	425	506	385	457	349	0	0	0	0	390	608	458	457
Ohio River, Pittsburgh to Wheeling.....thous. of short tons	662	849	736	686	713	546	428	505	500	926	1,037	928	998
Panama Canal—													
Total cargo traffic.....thous. of long tons	1,789	1,867	1,759	1,925	2,011	1,916	1,930	2,107	2,167	2,263	2,394	2,060	2,145
In American vessels.....thous. of long tons	859	820	828	937	929	910	864	958	953	1,009	1,133	1,040	1,022
In British vessels.....thous. of long tons	378	466	453	421	436	429	448	540	536	615	546	436	532
St. Lawrence Canal.....thous. of short tons	714	717	920	1,106	319	0	0	0	38	563	877	914	1,007
Sault Ste. Marie Canal.....thous. of long tons	8,385	7,611	6,645	4,335	922	0	0	0	312	5,130	9,094	10,347	11,267
Suez Canal.....thous. of net tons	1,963	2,027	2,403	2,396	2,296	2,440	2,474	2,744	2,246	2,186	2,217	2,204	2,288
Welland Canal.....short tons	972,976	871,513	1,015,469	1,165,853	370,003	0	0	0	68,400	583,907	916,563	979,532	985,928
Ocean traffic:													
Clearances, vessels in foreign trade—													
Total.....thous. of net tons	7,463	7,536	6,543	6,539	5,907	5,044	4,972	5,414	5,505	6,224	7,074	7,653	8,480
American.....thous. of net tons	2,734	2,742	2,241	2,525	2,092	1,773	1,695	1,843	1,991	2,501	2,651	3,060	3,351
Foreign.....thous. of net tons	4,729	4,794	4,302	4,014	3,815	3,271	3,277	3,571	3,514	3,723	4,423	4,593	5,129

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
PUBLIC UTILITIES—Continued													
Transportation—Continued													
Passenger travel:													
Arrivals from abroad—													
Immigrants.....number.....		3,174	3,534	3,799	3,470	3,577	3,147	4,091	6,439	9,209	13,942	17,792	14,816
United States citizens.....number.....		30,944	25,588	22,518	28,281	34,861	27,508	19,844	28,535	22,381	40,702	80,900	69,957
Departures abroad—													
Emigrants.....number.....		7,428	5,893	5,616	5,647	4,603	4,720	4,397	5,450	4,951	5,352	5,100	5,245
United States citizens.....number.....		46,961	29,579	23,242	24,418	32,278	33,172	24,885	21,140	24,420	32,988	56,526	88,372
National parks—													
Visitors.....number.....								48,874	37,246	43,361	67,089	183,583	549,287
Automobiles entered.....number.....								9,211	6,010	7,937	15,596	43,939	127,153
Passports issued.....number.....	10,749	17,667	27,689	28,513	21,466	14,328	7,255	7,445	6,565	7,496	7,834	8,772	10,510
Pullman Company operations:													
Revenue.....thous. of dolls.....		5,413	5,470	5,055	5,238	4,894	5,346	6,072	5,418	5,305	6,016	6,476	7,128
Passengers carried.....thousands.....		2,023	2,051	1,900	1,986	1,966	1,919	2,203	2,180	2,031	2,278	2,517	2,767
Trend of business in hotels:													
Average sale per occupied room.....dollars.....	3.64	3.55	3.58	3.50	3.73	3.63	3.84	3.80	3.72	3.96	3.90	3.82	3.96
Room occupancy.....p. ct. of capacity.....	54	54	56	61	63	61	64	66	60	65	69	64	60
Steam railways:													
Equipment—													
Freight cars—													
In bad order, end of month—													
Quantity.....cars.....	187,585	181,702	172,776	170,165	162,965	162,117	153,606	147,650	147,334	155,883	157,727	157,141	153,046
Ratio to total cars.....per cent.....	8.6	8.3	7.9	7.7	7.4	7.3	6.9	6.7	6.6	7.0	7.1	7.1	6.8
New orders.....cars.....	534	443	972	46	2,768	2,166	24	0	2,691	2,862	3,291	565	823
Owned, end of month—													
Quantity.....thous. of cars.....		2,223	2,229	2,244	2,249	2,251	2,253	2,254	2,258	2,271	2,272	2,275	2,274
Capacity.....mills. of lbs.....		208,095	208,579	209,645	209,958	210,102	210,235	210,229	210,426	211,788	211,823	211,942	211,831
Shipments—													
Total.....cars.....	524	341	615	648	1,082	762	633	845	607	1,182	2,384	4,235	5,940
Domestic.....cars.....	499	341	555	646	1,082	637	533	735	436	1,139	2,307	4,176	5,934
Unfilled orders (railroads)—													
Total.....cars.....		6,466	7,179	6,585	7,542	7,484	8,637	8,799	9,780	3,716	5,423	6,175	10,802
Of manufacturers.....cars.....		1,336	2,070	1,599	2,176	1,569	2,207	2,681	3,376	1,125	2,445	4,127	7,723
In railroad shops.....cars.....		5,130	5,109	4,986	5,366	5,915	6,430	6,118	6,404	2,591	2,978	2,048	3,079
Locomotives (Am. Ry. Assc.)—													
Exports, steam.....number.....	0	2	1	3	5	0	2	2	3	0	5	2	2
In bad order, end of month—													
Awaiting classified repairs.....number.....	6,173	5,913	5,938	5,910	5,958	5,967	5,734	5,522	5,216	5,102	4,936	4,676	4,585
Ratio to total locomotives.....per cent.....	11.4	10.9	10.9	10.8	10.9	10.9	10.4	10.0	9.5	9.2	8.9	8.6	8.2
Installed.....number.....		66	114	94	67	77	86	80	92	96	127	147	161
New orders.....number.....	6	3	2	151	7	8	8	2	60	4	7	25	34
Retired.....number.....		108	291	182	151	161	128	182	390	268	206	198	216
Owned, end of month—													
Quantity.....number.....		55,056	55,098	55,278	55,366	55,450	55,534	55,576	55,678	55,985	56,157	56,236	56,287
Tractive power.....mills. of lbs.....		2,513	2,513	2,518	2,520	2,522	2,525	2,525	2,528	2,538	2,541	2,541	2,540
Shipments, manufacturers (Census)—													
Total.....number.....	13	13	19	26	15	10	15	16	49	43	50	65	77
Electric, domestic.....number.....	1	1	0	0	2	5	5	6	7	6	2	3	5
Steam, domestic.....number.....	2	11	19	26	12	5	10	10	37	37	48	62	68
Shipments, electric locomotives—													
Industrial (quarterly).....number.....			4			17			23			3	
Mining (quarterly).....number.....			82			60			76			113	
Unfilled orders (railroads), end of mo.—													
Of manufacturers.....number.....		18	20	31	57	60	57	64	90	59	102	143	189
In railroad shops.....number.....		14	16	20	24	26	29	30	30	33	37	38	46
Unfilled orders, manufacturers' (Census)—													
Total.....number.....	74	86	95	58	80	95	103	91	104	93	132	174	234
Electric, domestic.....number.....	55	55	54	0	0	2	7	12	18	25	31	33	36
Steam, domestic.....number.....	18	20	30	47	69	81	85	78	86	63	96	136	193
Passenger cars—													
In railroad hands, end of quarter.....number.....			51,111			51,489			51,644			51,770	
New orders.....cars.....	0	0	0	0	4	0	0	0	2	10	0	62	13
Shipments—													
Total.....cars.....	8	2	13	38	37	24	30	33	8	67	73	50	35
Domestic.....cars.....	8	2	13	38	37	24	30	33	8	67	73	50	35
Unfilled orders, end of quarter.....number.....			24			125			264			465	
Financial operations—													
Net operating income.....thous. of dolls.....		56,535	50,163	41,264	39,074	45,906	27,264	33,849	49,372	62,069	112,251	104,078	95,604
Operating revenues—													
Canada.....thous. of dolls.....			30,480	30,934	30,912	30,613	26,788	28,141	33,450	35,474	42,093	44,340	38,804
United States—													
Total.....thous. of dolls.....		377,146	369,810	369,020	369,652	376,149	336,632	365,900	377,933	398,788	483,455	467,469	466,370
Freight.....thous. of dolls.....		290,348	281,261	283,161	283,711	291,289	257,521	277,014	280,909	311,042	385,684	363,473	354,713
Passengers.....thous. of dolls.....		50,272	50,957	46,981	47,272	47,150	46,455	53,349	55,443	48,710	52,368	59,092	67,432
Operating expenses.....thous. of dolls.....		280,127	280,145	288,067	290,618	291,582	272,116	294,082	297,605	299,301	326,286	320,131	327,204
Net operating revenue, Canada.....thous. of dolls.....			1,898	2,166	3,640	3,112	121	424	5,910	7,579	11,408	11,435	5,619
Freight cars—													
Carloadings*—													
Total.....thous. of cars.....	3,747	2,931	2,992	3,736	2,986	2,940	2,836	3,491	2,784	4,127	3,818	3,725	4,672
Coal and coke.....thous. of cars.....	617	452	465	611	486	555	584	817	638	852	733	638	1,770
Forest products.....thous. of cars.....	138	106	125	105	130	138	138	156	121	174	159	162	207
Grain and grain products.....thous. of cars.....	228	220	140	180	151	153	165	196	143	190	163	189	304
Livestock.....thous. of cars.....	106	71	75	106	85	79	88	124	94	140	129	108	106
Ore.....thous. of cars.....	175	139	119	80	29	23	22	26	22	92	154	195	285
Merchandise, l. c. l.....thous. of cars.....	1,069	530	576	1,097	899	886	842	997	820	1,133	966	994	1,178
Miscellaneous.....thous. of cars.....	1,413	1,113	1,192	1,496	1,206	1,105	997	1,175	946	1,546	1,514	1,490	1,822
Car surplus (daily average, last week of month)—													
Total.....cars.....	573,680	564,068	599,282	615,924	602,832	621,509	650,964	646,750	706,538	580,498	402,637	394,032	431,971
Box.....cars.....	302,887	288,414	306,443	304,313	282,315	293,837	324,938	336,577	380,603	304,100	230,705	292,398	252,896
Coal.....cars.....	206,240	211,044	224,120	238,504	251,679	252,825	253,515	240,292	251,358	213,752	126,935	139,416	141,721

* Data for January, May, 1931, and August and November, 1930, are for 5 weeks, other months 4 weeks.

† Revised.

‡ Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
PUBLIC UTILITIES—Continued													
Transportation—Continued													
Steam railways—Continued.													
Freight cars—Continued													
Operation results—													
Freight carried 1 mile—													
Canada.....mills. of tons.....			2,207	2,178	2,136	2,104	1,951	2,016	2,239	2,633	3,096	3,562	2,268
United States.....mills. of tons.....			34,417	30,014	28,710	29,960	27,079	30,314	29,026	32,295	39,292	36,220	37,421
Passengers carried 1 mile,millions.....			2,034	1,870	1,831	1,758	1,747	1,915	2,015	1,828	1,959	2,253	2,634
Receipts per ton-mile.....cents.....			1,090	1,054	1,093	1,074	1,049	1,015	1,052	1,050	1,063	1,081	1,040
FINANCE													
Agricultural Finances													
Loans outstanding, end of month:													
Federal land banks.....mills. of dolls..	1,178	1,179	1,182	1,184	1,185	1,187	1,187	1,187	1,187	1,188	1,189	1,190	1,191
Federal intermediate credit banks.....mills. of dolls..	133	137	137	131	138	138	128	128	130	132	126	123	123
Joint-stock land banks.....mills. of dolls..	548	551	532	536	540	544	548	550	553	567	560	563	565
Banking													
Bank debits:													
Canada.....mills. of dolls.....		2,400	2,694	3,172	2,788	2,570	2,535	2,668	3,012	2,974	3,618	2,967	3,802
New York City.....mills. of dolls.....	17,501	21,007	25,893	25,072	28,821	27,589	20,948	24,557	29,001	22,490	30,781	27,383	25,052
Outside New York City.....mills. of dolls.....	16,526	18,444	19,406	18,858	19,620	19,421	17,084	21,697	22,113	19,700	23,693	21,253	20,941
Outside New York City.....rel. to 1923-25.....	83.8	93.5	98.4	95.6	99.5	98.4	86.6	110.0	117.2	99.9	120.1	107.7	106.3
Brokers' loans, end of month:													
By N. Y. F. R. member banks													
Ratio to market value.....per cent.....	3.04	3.03	2.93	3.37	3.40	3.58	3.22	3.30	3.86	4.06	4.65	5.79	5.31
Total.....mills. of dolls.....	1,354	1,344	1,391	1,435	1,651	1,909	1,840	1,720	1,894	2,162	2,556	3,481	3,559
Deposits, New York State savings banks, end of month.....mills. of dolls.....		5,149	5,156	5,083	5,059	5,018	4,928	4,888	4,792	4,666	4,658	4,662	4,591
Federal reserve banks:													
Bills discounted.....mills. of dolls.....	255	195	149	174	157	250	198	232	251	275	207	272	215
Notes in circulation.....mills. of dolls.....	1,963	1,765	1,723	1,580	1,535	1,486	1,478	1,494	1,664	1,455	1,368	1,379	1,374
Reserve ratio.....per cent.....	78.8	83.8	84.6	84.9	84.0	82.6	83.7	82.2	73.7	80.3	82.2	79.7	81.1
Reserve ratio.....rel. to 1923-25.....	192.5	109.0	110.0	110.4	109.2	107.4	108.8	106.9	95.8	104.4	106.9	103.6	105.5
Total deposits.....mills. of dolls.....	2,632	2,527	2,501	2,442	2,434	2,506	2,399	2,448	2,517	2,422	2,465	2,532	2,429
Total investments.....mills. of dolls.....	943	751	773	724	761	723	708	735	1,100	780	771	813	779
Total reserve.....mills. of dolls.....	3,619	3,597	3,576	3,413	3,334	3,296	3,244	3,243	3,082	3,115	3,149	3,118	3,079
Federal reserve member banks:													
Net demand deposits.....mills. of dolls.....	13,244	13,473	13,688	13,605	13,664	13,748	13,614	13,680	13,999	13,908	13,830	13,812	13,629
Total investments.....mills. of dolls.....	7,665	7,810	7,795	7,807	7,903	7,551	7,183	6,843	6,693	6,800	6,731	6,454	6,338
Total loans and discounts.....mills. of dolls.....	14,398	14,486	14,691	14,730	14,993	15,352	15,464	15,753	16,263	16,516	16,764	17,013	16,830
Interest rates:													
Call loans, renewal.....per cent.....	1.50	1.50	1.50	1.45	1.52	1.55	1.50	1.57	2.23	2.00	2.00	2.19	2.21
Federal land banks.....per cent.....	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
Intermediate credit banks.....per cent.....	3.81	3.81	3.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.06	4.13
New York Federal Reserve Bank (dis.).....per cent.....	1.50	1.50	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.50	2.50	2.50	2.50
Prime bankers' acceptances.....per cent.....	.88	.88	.88	2.00	1.50	1.50	1.44	1.56	1.88	1.88	1.88	1.88	1.88
Prime commercial paper (4-6 months).....per cent.....	2.00	2.00	2.00	2.13	2.38	2.50	2.63	2.88	2.88	2.88	3.00	3.00	3.00
Prime commercial paper (4-6 months).....rel. to 1923-25.....	46.4	46.4	46.4	49.4	55.2	58.0	61.0	66.8	66.8	66.8	69.6	69.6	69.6
Time loans, 90 days.....per cent.....	1.38	1.38	1.50	1.75	2.00	2.13	1.88	2.13	2.25	2.13	2.50	2.63	2.63
Business Failures													
Firms (United States):													
Banks.....number.....	154	193	167	89	64	86	77	202	344	254	72	66	67
Total commercial.....number.....	1,944	1,983	1,993	2,248	2,386	2,604	2,563	3,316	2,525	2,031	2,124	1,963	1,913
Manufacturers.....number.....	427	520	449	552	515	582	583	611	557	448	499	434	566
Trade establishments.....number.....	1,381	1,322	1,435	1,570	1,710	1,843	1,831	2,541	1,834	1,447	1,474	1,395	1,234
Agents and brokers.....number.....	130	141	109	126	158	179	149	164	154	136	151	134	113
By groups—													
Manufacturers—													
Total.....number.....	427	520	449	552	515	582	583	611	537	448	499	434	566
Chemicals.....number.....	9	13	7	12	9	5	13	10	9	5	7	9	14
Foodstuffs.....number.....	30	34	64	43	38	37	37	32	34	27	35	35	29
Leather.....number.....	18	16	26	14	12	23	14	17	14	8	15	14	21
Liquors and tobacco.....number.....	7	6	10	4	6	9	9	6	6	10	14	8	11
Lumber.....number.....	52	39	57	65	75	61	72	76	77	71	54	65	98
Printing and engraving.....number.....	14	17	21	27	10	27	15	21	15	18	20	16	19
Stone, clay, and glass.....number.....	6	13	7	9	5	7	4	11	12	14	12	7	7
Textiles.....number.....	61	75	53	78	78	79	96	124	85	71	97	53	55
Metals.....number.....	49	49	37	50	55	52	54	44	34	34	34	30	33
All other.....number.....	181	258	167	250	227	282	269	270	251	190	211	197	279
Traders—													
Total.....number.....	1,381	1,322	1,435	1,570	1,710	1,843	1,831	2,541	1,834	1,447	1,474	1,395	1,234
Books and paper.....number.....	12	19	20	19	18	28	19	15	15	18	18	12	11
Chemicals and paints.....number.....	109	86	84	108	98	107	93	117	114	111	94	98	78
Clothing.....number.....	220	257	235	295	351	400	381	633	444	261	250	257	270
Foods and tobacco.....number.....	441	363	360	401	451	441	438	476	461	393	398	341	329
General stores.....number.....	78	66	89	88	109	152	131	220	138	104	108	93	67
Household furniture.....number.....	235	239	243	357	297	358	407	571	200	245	253	247	204
All other.....number.....	286	292	404	302	386	357	362	509	372	322	353	347	275
Firms (Canada).....number.....	164	223	174	196	204	213	253	296	295	237	214	175	158
Liabilities (United States):													
Banks.....thous. of dolls.....	226,022	241,334	196,542	43,963	42,417	35,285	35,123	78,130	367,119	186,306	24,599	23,666	21,951
Total commercial.....thous. of dolls.....	53,025	60,998	51,656	53,371	50,868	60,387	59,608	94,608	83,683	55,261	56,297	46,947	49,181
Total commercial.....rel. to 1923-25.....	125.1	143.9	121.8	125.9	120.0	142.4	140.6	223.1	187.4	130.3	132.8	110.7	116.0
Manufacturers.....thous. of dolls.....	16,967	20,586	21,909	18,506	18,719	24,072	25,304	47,633	19,948	19,438	17,989	16,448	24,735
Trade establishments.....thous. of dolls.....	25,848	28,091	25,934	25,069	26,386	30,348	30,852	43,071	28,853	21,217	22,096	19,311	17,829
Agents and brokers.....thous. of dolls.....	10,210	12,321	3,813	9,796	5,763	5,967	3,452	3,904	35,382	14,606	16,212	11,188	8,617
Liabilities (Canada).....thous. of dolls.....	2,138	3,345	3,504	2,775	3,638	3,752	3,014	4,215	6,994	2,958	2,532	2,664	2,610

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FINANCE—Continued													
Dividend and Interest Payments													
Grand total.....mills. of dolls..	490	946	762	560	749	594	524	1,121	713	579	763	524	503
Dividend payments:													
Total.....mills. of dolls..	245	387	346	292	314	311	285	521	284	277	320	228	278
Industrial and miscellaneous.....mills. of dolls..	170	267	237	213	236	236	217	386	221	212	250	184	190
Steam railroads.....mills. of dolls..	34	42	34	33	38	46	45	56	39	39	44	30	38
Street railways.....mills. of dolls..	6	11	7	8	9	7	9	16	14	12	11	7	7
Interest payments.....mills. of dolls..	245	559	416	268	435	284	239	601	429	302	443	296	227
Foreign Exchange Rates													
America:													
Argentina.....dolls. per gold peso..	.646	.699	.703	.707	.765	.780	.719	.697	.756	.781	.781	.818	.825
Brazil.....dolls. per milreis..	.064	.072	.075	.067	.073	.079	.086	.091	.096	0	0	.101	.100
Canada.....dolls. per Canadian doll..	.997	.997	.997	.999	1.000	1.000	1.000	.998	.999	1.001	1.001	1.001	1.001
Chile.....dolls. per paper peso..	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121
Asia:													
Japan.....dolls. per yen..	.494	.494	.494	.494	.494	.494	.494	.494	.496	.496	.496	.494	.494
India.....dolls. per rupee..	.359	.360	.360	.361	.361	.361	.359	.359	.359	.360	.360	.360	.360
Europe:													
Belgium.....dolls. per belga..	.139	.140	.139	.139	.139	.139	.139	.139	.140	.139	.139	.140	.140
England.....dolls. per lb sterling..	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.85	4.86	4.86	4.86	4.86	4.87
France.....dolls. per franc..	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039	.039
Italy.....dolls. per lira..	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052	.052
Netherlands.....dolls. per guilder..	.403	.403	.402	.402	.401	.401	.401	.402	.403	.402	.403	.403	.403
Sweden.....dolls. per krona..	.268	.268	.268	.268	.268	.268	.268	.268	.268	.268	.269	.269	.269
Switzerland.....dolls. per franc..	.195	.194	.194	.193	.193	.192	.193	.194	.194	.194	.194	.194	.194
Gold and Silver													
Gold:													
Domestic receipts at mint.....fine ounces..	115,343	118,123	114,651	95,133	93,612	85,091	87,717	94,476	109,907	113,430	152,648	125,871	112,395
Exports.....thous. of dolls..	39	1,009	40	628	27	26	14	54	36	5,008	9,266	11,133	39,332
Imports.....thous. of dolls..	57,539	20,497	63,887	50,258	49,543	25,671	16,156	34,426	32,778	40,159	35,635	13,680	19,714
Monetary stocks of U. S., daily average.....mills. of dolls..	4,975	4,958	4,865	4,767	4,711	4,682	4,656	4,622	4,583	4,553	4,520	4,503	4,496
Rand output.....fine ounces..	916,425	916,843	897,000	910,279	882,237	910,998	839,937	914,576	908,492	884,735	926,561	903,176	921,081
Silver:													
Exports.....thous. of dolls..	2,024	2,305	1,895	2,099	3,249	2,323	1,638	3,571	3,472	4,102	4,424	3,903	4,544
Imports.....thous. of dolls..	2,685	1,640	2,364	2,636	2,439	1,821	1,877	2,896	2,660	2,652	3,270	3,461	3,492
Price at New York.....dolls. per fine oz..	.275	.283	.273	.277	.283	.292	.288	.294	.326	.359	.358	.363	1.352
Production—													
United States.....thous. of fine oz..	2,459	2,176	2,433	2,762	2,831	3,528	3,187	3,480	3,713	3,738	3,816	3,780	3,835
Canada.....thous. of fine oz..	1,610	2,133	731	1,836	1,139	1,431	1,772	1,932	2,043	1,412	2,291	3,456	2,685
Mexico.....thous. of fine oz..	6,390	7,041	7,374	9,535	6,510	6,944	8,751	8,751	8,481	8,712	8,889	9,154	7,755
Stocks, end of month—													
United States.....thous. of fine oz..	2,240	2,077	1,611	1,485	713	2,714	1,851	792	960	956	649	813	677
Canada.....thous. of fine oz..	1,363	754	958	1,423	1,509	796	702	694	179	216	217	341	410
Net Corporation Profits													
Industrial and mercantile—													
Total.....mills. of dolls..			159			125			116			204	
Automobiles, parts and accessories.....mills. of dolls..			65			30			10			29	
Food.....mills. of dolls..			35			31			30			37	
Machinery.....mills. of dolls..			5			5			9			8	
Metals and mining.....mills. of dolls..			5			4			4			5	
Oil.....mills. of dolls..			0			0			0			24	
Steel and railroad equipment.....mills. of dolls..			9			8			16			35	
Class I railroads.....mills. of dolls..			131			107			226			283	
Telephone.....mills. of dolls..			60			68			68			65	
Life Insurance													
(Association of Life Insurance Presidents)													
Admitted life insurance assets (40 cos.):													
Grand total.....mills. of dolls..		15,978	15,871	15,769	15,662	15,573	15,474	15,392	15,293	15,217	15,120	15,024	14,926
Mortgage loans—													
Total.....mills. of dolls..		6,353	6,356	6,345	6,332	6,330	6,323	6,312	6,303	6,270	6,244	6,223	6,213
Farm.....mills. of dolls..		1,535	1,537	1,541	1,544	1,547	1,555	1,555	1,554	1,561	1,562	1,563	1,571
All other.....mills. of dolls..		4,818	4,819	4,804	4,788	4,783	4,768	4,757	4,749	4,709	4,682	4,660	4,642
Bonds and stocks (book value):													
Government.....mills. of dolls..		1,213	1,189	1,164	1,134	1,120	1,108	1,106	1,104	1,101	1,095	1,089	1,085
Public utility.....mills. of dolls..		1,662	1,644	1,611	1,605	1,578	1,572	1,545	1,531	1,526	1,521	1,488	1,473
Railroad.....mills. of dolls..		2,657	2,653	2,653	2,660	2,651	2,648	2,633	2,637	2,640	2,638	2,622	2,621
All other.....mills. of dolls..		503	504	499	495	487	485	478	475	469	465	449	437
Total.....mills. of dolls..		6,035	5,990	5,927	5,894	5,836	5,813	5,762	5,747	5,736	5,719	5,648	5,616
Policy loans and premium notes.....mills. of dolls..		2,388	2,363	2,331	2,300	2,273	2,241	2,212	2,169	2,127	2,098	2,062	2,041
Amount of new insurance (44 cos.):													
Group.....mills. of dolls..	46	46	81	72	99	62	104	78	131	59	52	138	73
Industrial.....mills. of dolls..	247	253	251	236	235	247	209	214	229	208	244	210	234
Ordinary.....mills. of dolls..	547	606	673	672	691	720	599	596	753	593	620	545	622
Total insurance.....mills. of dolls..	839	905	1,005	980	1,025	1,028	912	888	1,112	861	915	894	929
Policies and certificates, new (44 cos.):													
Group.....thous. of certificates..	26	22	45	35	59	28	60	44	59	28	35	46	39
Industrial.....thous. of policies..	995	994	926	845	865	881	731	750	794	741	847	722	805
Ordinary.....thous. of policies..	233	260	285	288	301	321	247	231	319	253	261	229	245
Total policies and certificates.....thousands..	1,254	1,276	1,256	1,168	1,225	1,230	1,039	1,026	1,172	1,022	1,143	996	1,088
Premium collections (44 cos.):*													
Annuities.....thous. of dolls..	9,304	17,979	13,868	25,175	12,682	11,919	12,430	10,741	19,615	7,094	6,917	5,016	5,797
Group.....thous. of dolls..	7,895	8,114	8,117	8,037	8,398	8,790	8,748	10,108	9,591	7,269	7,044	7,220	6,508
Industrial.....thous. of dolls..	62,874	55,612	60,654	59,884	53,854	62,920	56,388	62,659	112,666	58,108	55,851	59,859	58,961
Ordinary.....thous. of dolls..	154,579	178,398	173,947	175,562	183,992	186,452	166,759	170,497	191,871	154,473	165,934	147,907	170,847
Total.....thous. of dolls..	234,652	260,103	256,586	268,658	258,926	270,081	244,325	254,005	333,743	226,944	236,666	220,002	240,976

* For early data see table on page 21 of this issue.

† Revised.

‡ Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FINANCE—Continued													
Life Insurance—Continued													
Sales of ordinary life insurance (Life Insurance Sales Research Bureau):													
Canada, total, 15 cos.....thous. of dolls..	35,738	39,977	46,227	41,314	45,648	46,945	40,180	41,188	49,874	46,868	46,019	39,643	37,061
United States, total.....thous. of dolls..	589,497	634,962	734,614	724,206	754,002	770,440	647,140	628,607	795,642	653,131	685,755	603,102	685,864
Eastern manufacturing district.....thous. of dolls..	242,920	267,378	321,403	313,038	327,077	343,745	289,757	280,066	324,635	279,651	285,594	238,909	275,228
Far western district.....thous. of dolls..	60,607	63,112	70,226	68,663	70,943	73,579	60,094	61,689	86,291	65,011	71,961	68,520	77,450
Southern district.....thous. of dolls..	69,047	73,714	84,055	81,955	82,930	77,628	64,009	65,329	91,922	72,189	77,196	69,724	80,858
Western agricultural district.....thous. of dolls..	84,197	91,959	100,752	98,861	102,396	101,945	86,439	82,754	117,117	90,178	97,300	89,779	99,276
Western manufacturing district.....thous. of dolls..	132,726	138,739	158,178	161,689	170,657	173,543	146,841	138,869	175,677	146,102	153,704	136,170	153,052
Ordinary life insurance, lapse rates (Life Insurance Research Bureau):													
United States, total.....rel. to 1925-26.....			\$ 111			\$ 113			\$ 127			\$ 120	
East North Central.....rel. to 1925-26.....			\$ 123			\$ 116			\$ 139			\$ 133	
East South Central.....rel. to 1925-26.....			\$ 117			\$ 128			\$ 139			\$ 123	
Middle Atlantic.....rel. to 1925-26.....			\$ 127			\$ 128			\$ 143			\$ 138	
Mountain.....rel. to 1925-26.....			\$ 95			\$ 108			\$ 125			\$ 117	
New England.....rel. to 1925-26.....			\$ 105			\$ 114			\$ 141			\$ 125	
Pacific.....rel. to 1925-26.....			\$ 103			\$ 98			\$ 114			\$ 113	
South Atlantic.....rel. to 1925-26.....			\$ 100			\$ 109			\$ 121			\$ 114	
West North Central.....rel. to 1925-26.....			\$ 107			\$ 108			\$ 112			\$ 105	
West South Central.....rel. to 1925-26.....			\$ 110			\$ 119			\$ 124			\$ 112	
Public Finance													
Customs receipts.....thous. of dolls..	38,240	34,480	28,986	27,463	31,798	31,807	28,107	28,808	30,764	36,365	39,319	36,655	32,683
Expenditures chargeable to ordinary receipts.....thous. of dolls..	323,838	330,661	375,153	285,892	432,366	720,236	191,425	413,796	364,540	244,651	375,244	308,221	224,117
Government debt, gross, end of month.....mills. of dolls..	16,864	16,802	16,801	16,527	16,655	16,583	16,231	16,163	16,026	16,185	16,180	16,081	16,188
Total ordinary receipts.....thous. of dolls..	122,141	131,706	512,894	124,405	148,208	433,301	118,614	125,605	717,092	120,362	147,813	602,811	127,388
United States money in circulation.....mills. of dolls..	4,947	4,836	4,750	4,679	4,647	4,590	4,598	4,695	4,823	2,528	4,501	4,492	4,476
Stockholders													
American Telephone & Telegraph Co.:													
Domestic.....number.....			\$ 595,322			\$ 574,905			\$ 560,424			\$ 540,826	
Foreign.....number.....			\$ 6,785			\$ 6,383			\$ 6,184			\$ 5,866	
Pennsylvania R. R. Co.:													
Domestic.....number.....			\$ 240,734			\$ 235,306			\$ 233,414			\$ 212,311	
Foreign.....number.....			\$ 3,291			\$ 3,272			\$ 3,190			\$ 3,096	
U. S. Steel Corporation (common stock):													
Domestic.....number.....			\$ 153,718			\$ 147,440			\$ 143,221			\$ 132,479	
Foreign.....number.....			\$ 2,520			\$ 2,451			\$ 2,345			\$ 3,026	
Shares held by brokers.....p. ct. of total.....			\$ 14.37			\$ 15.68			\$ 16.20			\$ 18.60	
Stocks and Bonds													
BONDS													
Bond prices:													
Combined price													
Index.....p. ct. of par, 4% bond.....	77.05	80.99	79.07	80.48	80.86	82.29	82.06	81.98	78.96	81.10	82.49	84.26	82.93
Highest-grade rails.....p. ct. of par, 4% bond.....	95.14	97.70	97.73	97.68	96.11	96.31	96.41	96.59	92.89	94.63	95.85	95.83	94.25
Industrial.....p. ct. of par, 4% bond.....	65.82	67.75	64.36	66.70	68.15	70.83	70.72	70.98	68.61	70.53	71.63	76.13	76.33
Public utility.....p. ct. of par, 4% bond.....	82.81	83.68	82.76	80.91	80.06	79.69	79.00	78.14	75.54	77.32	78.92	79.49	76.82
Second-grade rails.....p. ct. of par, 4% bond.....	70.76	80.34	78.51	82.54	84.03	86.58	86.39	86.54	82.78	85.85	87.49	88.32	86.94
Bond prices, 1st of following month:													
50 domestic bonds.....p. ct. of par.....	99.98	100.88	100.25	99.89	100.12	100.15	100.27	99.57	99.54	99.68	100.68	100.96	100.41
40 representative issues.....p. ct. of par.....	71.02	72.32	83.84	81.01	85.30	88.03	86.67	84.56	81.53	84.05	86.08	88.25	90.99
5 Liberty bonds.....p. ct. of par.....	106.04	106.09	106.30	106.84	105.77	105.37	104.85	104.23	105.53	106.41	106.06	105.84	105.23
Bond yields:													
Industrial (15).....per cent.....	5.26	5.13	5.25	5.24	5.10	4.98	5.01	4.99	5.12	4.97	4.89	4.85	4.87
Liberty and Treasury bonds.....per cent.....	3.34	3.32	3.30	3.31	3.38	3.39	3.40	3.33	3.34	3.32	3.34	3.37	3.38
Municipal (15).....per cent.....	3.88	3.88	3.76	3.75	3.80	3.89	3.95	3.92	4.05	4.00	3.94	3.97	3.97
Municipal bond yield (20).....per cent.....	3.85	3.86	3.84	3.74	3.85	3.90	4.03	4.05	4.12	4.06	3.99	3.97	4.01
Railroads (15).....per cent.....	4.47	4.32	4.32	4.27	4.33	4.27	4.27	4.25	4.41	4.32	4.25	4.25	4.29
U. S. Treasury notes and certificates, 3-6 mos.....per cent.....	.42	.41	.55	.88	1.49	1.38	1.06	1.24	1.48	1.40	1.74	1.84	1.53
Utilities (15).....per cent.....	4.40	4.42	4.46	4.44	4.46	4.48	4.54	4.56	4.61	4.57	4.53	4.55	4.59
Total, 60 high grade.....per cent.....	4.50	4.44	4.45	4.43	4.43	4.41	4.44	4.43	4.55	4.46	4.41	4.41	4.43
Long-term real-estate bonds issued:													
Grand total.....thous. of dolls..	2,100	775	3,425	9,485	7,235	2,015	3,590	4,520	29,877	9,965	6,635	13,890	1,938
Interest rates.....per cent.....	5.76	5.78	5.69	5.43	5.68	5.66	5.36	5.81	5.75	5.74	5.61	5.89	5.46
Kind of structure—													
Apartments.....thous. of dolls..	0	0	0	0	250	0	0	0	0	110	175	0	0
Hotels.....thous. of dolls..	0	0	0	265	0	0	0	1,250	340	0	0	600	675
Office and commercial.....thous. of dolls..	1,985	175	2,700	8,650	4,400	1,475	2,000	1,200	28,972	9,300	3,050	2,300	250
Purpose of issue—													
Acquisitions and improvements.....thous. of dolls..	0	0	0	265	0	210	0	1,250	850	0	2,000	10,500	0
Finance construction.....thous. of dolls..	565	600	1,000	0	1,700	1,000	1,500	2,850	530	1,685	1,210	1,475	300
Real-estate mortgage.....thous. of dolls..	635	0	425	9,220	3,135	630	1,090	0	27,945	5,120	1,975	165	1,388
Stocks													
Stock prices, average daily closing:													
25 industrials, average.....dolls. per share.....	190.59	193.83	198.56	193.75	215.74	237.52	235.29	214.18	212.34	227.60	240.49	282.92	282.81
25 industrials, average.....rel. to 1925-25.....	152.23	164.9	158.6	154.8	172.4	189.8	188.0	171.1	169.6	181.8	191.1	226.0	225.9
25 railroads, average.....dolls. per share.....	57.87	64.88	68.09	65.89	74.97	84.55	92.03	90.38	82.00	90.23	97.30	110.16	110.38
25 railroads, average.....rel. to 1925-25.....	82.7	92.8	97.4	94.2	107.2	120.9	131.6	129.2	117.2	129.0	139.1	167.5	157.8
103 stocks, average.....dolls. per share.....	32.48	33.35	35.81	31.39	36.38	40.49	44.00	40.69	38.09	42.12	43.44	47.40	55.92

* Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931								1930				
	August	July	June	May	April	March	February	January	December	November	October	September	August
FINANCE—Continued													
Stocks and Bonds—Continued													
Stocks—Continued													
Stock prices, average weekly closing:													
All industrials (404).....rel. to 1926..	95.5	98.2	95.1	98.0	109.2	121.6	119.8	112.3	109.4	116.7	127.6	148.8	147.6
All railroads (33).....rel. to 1926..	66.2	75.3	74.0	76.8	87.3	97.2	104.7	100.4	93.5	102.1	110.9	122.6	121.2
All utilities (34).....rel. to 1926..	154.0	157.5	153.0	156.4	169.8	188.9	177.9	163.4	157.9	167.4	187.0	216.4	212.7
Industrials, rails and utilities (337).....rel. to 1926..	88.5	89.8	86.5	89.4	100.3	111.8	110.3	103.4	101.9	108.5	117.8	139.3	138.7
Agricultural implements (4).....rel. to 1926..	115.0	130.7	129.2	140.3	150.5	178.6	174.0	161.7	169.7	195.8	211.7	265.3	268.5
Airplanes (10).....rel. to 1926..	194.1	196.3	189.7	202.3	227.6	268.2	237.3	202.5	177.0	214.9	269.6	391.1	400.9
Automobiles and trucks (13).....rel. to 1926..	103.4	104.9	101.2	110.0	117.4	128.6	120.4	106.2	100.3	101.2	108.0	132.5	134.1
Automobile tires and rubber goods (7).....rel. to 1926..	49.1	50.2	46.7	46.4	58.0	57.5	54.4	50.6	54.9	56.0	52.5	65.5	72.0
Chain stores (17).....rel. to 1926..	91.6	89.2	88.5	88.8	86.2	89.9	86.4	78.4	78.1	81.7	88.1	95.6	90.1
Copper and brass (9).....rel. to 1926..	61.0	65.8	62.0	66.7	79.4	95.7	90.8	82.1	79.9	90.8	92.6	114.4	121.3
Food, other than meat (20).....rel. to 1926..	112.0	112.2	111.9	117.7	127.1	136.9	133.2	127.2	123.0	126.4	133.5	149.8	147.2
Machinery and machine equipment (10).....rel. to 1926..	84.2	88.0	83.4	88.7	109.4	125.1	125.8	120.4	116.9	120.3	134.4	154.1	152.3
Oil producing and refining (16).....rel. to 1926..	69.9	67.4	63.1	63.2	74.1	84.5	90.7	89.1	87.8	96.9	106.4	125.4	129.7
Railroad equipment (9).....rel. to 1926..	54.5	57.2	54.6	57.1	67.5	78.2	77.4	74.1	72.9	76.8	82.0	95.6	93.4
Rayon (5).....rel. to 1926..	48.4	48.9	48.6	48.6	52.6	51.5	52.2	53.8	58.2	67.9	64.6	71.4	65.8
Steel and iron (9).....rel. to 1926..	65.2	71.8	68.2	72.1	86.1	102.9	101.2	89.8	91.6	99.5	115.4	138.1	138.4
Textiles (30).....rel. to 1926..	44.7	45.8	45.0	47.4	52.2	58.2	55.3	52.5	51.0	54.9	58.2	67.2	66.0
Theaters, motion pictures and amusements (7).....rel. to 1926..	43.4	44.5	44.6	44.3	61.3	76.1	80.2	69.4	66.7	77.7	87.8	112.4	106.1
Tobacco and tobacco products (10).....rel. to 1926..	136.9	141.0	133.5	137.3	144.3	143.8	137.4	131.5	125.6	129.2	136.8	152.6	149.2
Traction, motor transportation (9).....rel. to 1926..	59.8	62.7	63.2	60.8	61.9	67.1	66.3	63.1	63.3	67.9	72.3	74.6	72.7
Stock sales, N. Y. Stock Exchange.....thous. of shares..	24,890	33,540	58,719	46,661	54,335	65,494	64,145	52,543	58,764	51,946	65,497	53,545	39,870
Stock yields:													
Preferred high-grade industrial (20).....per cent..	5.80	5.77	5.85	5.71	5.59	5.54	5.61	5.66	5.77	5.62	5.52	5.48	5.53
Total common (90).....per cent..	5.74	5.66	5.96	5.95	5.43	4.95	5.12	5.50	5.62	5.43	5.05	4.33	4.42
Industrials (50).....per cent..	5.94	5.89	6.26	6.23	5.69	5.17	5.35	5.73	5.79	5.69	5.39	4.60	4.69
Public utilities (20).....per cent..	4.36	4.33	4.47	4.42	4.04	3.60	3.89	4.26	4.37	4.10	3.64	3.04	3.12
Railroads (20).....per cent..	8.15	7.54	7.76	7.91	7.12	6.75	6.29	6.56	7.05	6.46	5.98	5.45	5.50
New Security Issues													
Bond sales, Canada:													
Total.....thous. of dolls..	1,923	7,133	62,240	666,840	57,994	44,958	39,834	109,864	46,839	69,563	156,873	31,658	48,760
Corporation.....thous. of dolls..	400	683	5,085	9,660	3,975	17,054	19,300	2,685	12,355	7,000	33,690	7,150	34,695
Dominion and provincial.....thous. of dolls..	0	5,000	33,650	650,141	25,764	8,057	8,000	35,444	7,714	60,000	112,404	15,150	12,150
Municipal.....thous. of dolls..	1,523	1,450	13,505	7,039	28,254	18,097	12,534	1,735	2,520	2,563	10,779	9,358	1,915
Railways.....thous. of dolls..	0	0	0	0	0	1,750	0	70,000	24,250	0	0	0	0
Bond sales (U. S.):													
Corporation—													
Total.....thous. of dolls..	51,997	155,934	252,918	250,590	456,678	401,229	88,226	580,706	187,644	141,855	213,795	346,887	189,866
Class of industry—													
Industrial.....thous. of dolls..	9,197	15,439	6,350	4,850	96,932	82,400	2,925	69,173	21,889	10,562	44,605	10,273	84,714
Land and build- ings.....thous. of dolls..	2,650	1,651	3,813	10,415	7,577	3,765	6,405	8,021	30,002	15,365	8,740	15,615	3,101
Oil.....thous. of dolls..	400	0	5,000	2,000	4,940	2,053	0	1,500	0	4,250	35,750	0	0
Public utilities.....thous. of dolls..	27,456	136,800	220,416	210,025	305,661	101,393	64,266	324,108	116,778	89,738	104,642	172,243	48,071
Railroads.....thous. of dolls..	12,295	0	16,113	22,500	6,000	200,018	12,000	175,004	14,250	7,600	5,000	76,254	41,516
Shipping and miscellaneous.....thous. of dolls..	0	2,044	1,226	800	35,568	11,600	2,630	2,900	4,725	14,340	15,058	72,501	9,363
Purpose of issue—													
New capital.....thous. of dolls..	46,197	115,070	131,343	169,360	267,471	269,030	74,251	399,848	180,872	137,622	151,148	284,570	121,516
Refunding.....thous. of dolls..	5,800	40,864	121,575	81,230	189,207	132,199	13,975	180,858	6,772	4,233	62,647	62,317	6,350
Type of security—													
Bonds and notes.....thous. of dolls..	39,835	153,814	247,034	190,065	354,969	391,758	61,460	535,404	114,135	123,417	183,659	285,112	132,193
Stocks.....thous. of dolls..	12,162	2,120	5,884	60,525	101,709	9,471	26,766	45,302	73,509	18,438	30,136	61,775	56,673
Bond sales on N. Y. Stock Exchange:													
Miscellaneous.....thous. of dolls..	191,035	219,615	252,585	221,256	215,661	238,298	174,535	247,308	250,707	182,906	264,357	221,327	167,584
Liberty—Treasury.....thous. of dolls..	8,675	8,284	15,167	14,431	12,127	8,723	19,911	16,809	15,055	6,640	7,773	9,631	4,951
Total.....thous. of dolls..	199,710	227,899	267,752	235,687	227,788	247,021	194,446	264,117	265,762	189,546	272,130	230,958	172,535
Foreign governments.....thous. of dolls..	0	0	0	0	0	0	0	0	0	9,500	0	52,900	2,680
Foreign loans in the United States.....thous. of dolls..	0	2,500	38,800	169,184	144,303	13,791	8,707	95,657	22,377	5,662	103,545	59,650	19,680
States and municipalities:													
Permanent loans.....thous. of dolls..	75,101	192,070	120,041	169,022	111,395	279,327	119,589	49,977	97,703	93,982	158,380	79,578	98,514
Temporary loans.....thous. of dolls..	90,521	145,602	130,892	124,785	190,598	64,975	250,436	69,697	76,531	80,422	81,222	76,501	26,406

* Revised.

EXPLANATORY

The Survey of Current Business is designed to present each month a picture of the business situation by setting forth the principal facts regarding the various lines of trade and industry. The figures are very largely those already in existence. The chief function of the Survey is to bring together those data which, if available at all, are scattered in hundreds of different publications. A portion of these data are collected by Government departments, other figures are compiled by technical journals, and still others are reported by trade associations. The Survey of Current Business computes the indexes on total stocks, new orders, agricultural marketings, crop marketings, and unfilled orders based on available data.

SOURCES OF DATA

The sources and inclusiveness of the data appearing in the table "Monthly Business Statistics" will be found noted in the 1931 Annual Supplement to the Survey of Current Business, and the sources of the weekly data are given on page 4 of the February 5, 1931, issue of the Weekly Supplement to the Survey of Current Business.

HISTORICAL DATA

Monthly data on all the various series carried in the Monthly Survey will be found in the 1931 Annual Supplement to the Survey, running back seven years and in some cases eight years. Data previous to that included in the 1931 Annual Supplement will be found in the monthly Surveys prior to 1924.

RELATIVE AND INDEX NUMBERS

To facilitate comparison between different important items and to chart series expressed in different units, relative numbers (often called "index numbers," a term referring more particularly to a special kind of numbers described below) have been calculated. The monthly average for 1923-1925 has usually been used as a base equal to 100.

The relative numbers are computed by allowing the monthly average for the base year to equal 100. If the movement for the current month is greater than the base, the relative number will be greater than 100, and vice versa. The difference between 100 and the relative number will give at once the per cent increase

or decrease compared with the base period. Thus, a relative number of 115 means an increase of 15 per cent over the base period, while a relative number of 80 means a decrease of 20 per cent from the base.

Relative numbers may also be used to calculate the approximate percentage increase or decrease in a movement from one period to the next. Thus, if a relative number at one month is 120 and for a later month is 144, there has been an increase of 20 per cent.

When two or more series of relative numbers are combined by a system of weightings, the resulting series is denominated an index number. The index number, by combining many relative numbers, is designed to show the trend of an entire group of industries, or for the country as a whole, instead of for the single commodity or industry which the relative number covers. Comparisons with the base year or with other periods are made in the same manner as in the case of relative numbers.

SEASONAL ADJUSTMENTS TO INDEXES

Seasonal variations are found in most series of economic statistics for which monthly values are obtainable. Consumption and production of commodities, interest rates, bank clearings, railroad freight traffic, and many other types of data are marked by seasonal swings repeated with minor variations year after year. These, in so far as they exist at all, are definitely periodic in character, with a constant 12-month period. In cases where an adjustment is noted for a series carried in the Survey, the index has been corrected for number of working or business days in the various months and then adjusted for seasonal variation. The index figures thereby become comparable throughout the series.

METHODS OF USE

Methods of using and interpreting current business statistics have been collected by the Department of Commerce from many business concerns and are described in a booklet entitled "How to Use Current Business Statistics," together with methods of collecting statistics. This booklet may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Every American business barometer

**analyzed
and summarized
in this 716-page
volume**

All the pertinent details of production, employment, prices, foreign and domestic trade, construction, fuel and power, transportation and communication, banking and finance, and other phases of the economic life of the United States and industrial and trade conditions in Alaska, Hawaii, the Philippine Islands, and Porto Rico

COMMERCE YEARBOOK **1931 - - - Volume I - - - UNITED STATES**

In charts, text, and tables it records developments during 1930 in practically every branch of American commercial activity—not only exhaustive data obtained by the Bureaus and Divisions of the Department of Commerce but also statistics from many other governmental as well as private sources

**BUCKRAM
BOUND

INDEXED**

PRICE \$1.00. For sale by the Superintendent of Documents,
United States Government Printing Office,
Washington, D. C.
or
any district office of the United States Department of Commerce.