

NOVEMBER, 1931

**SURVEY
OF
CURRENT BUSINESS**



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

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.

Volume 11

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Number 11

WEEKLY DATA THROUGH OCTOBER 24, 1931
MONTHLY DATA THROUGH SEPTEMBER

SURVEY OF CURRENT BUSINESS

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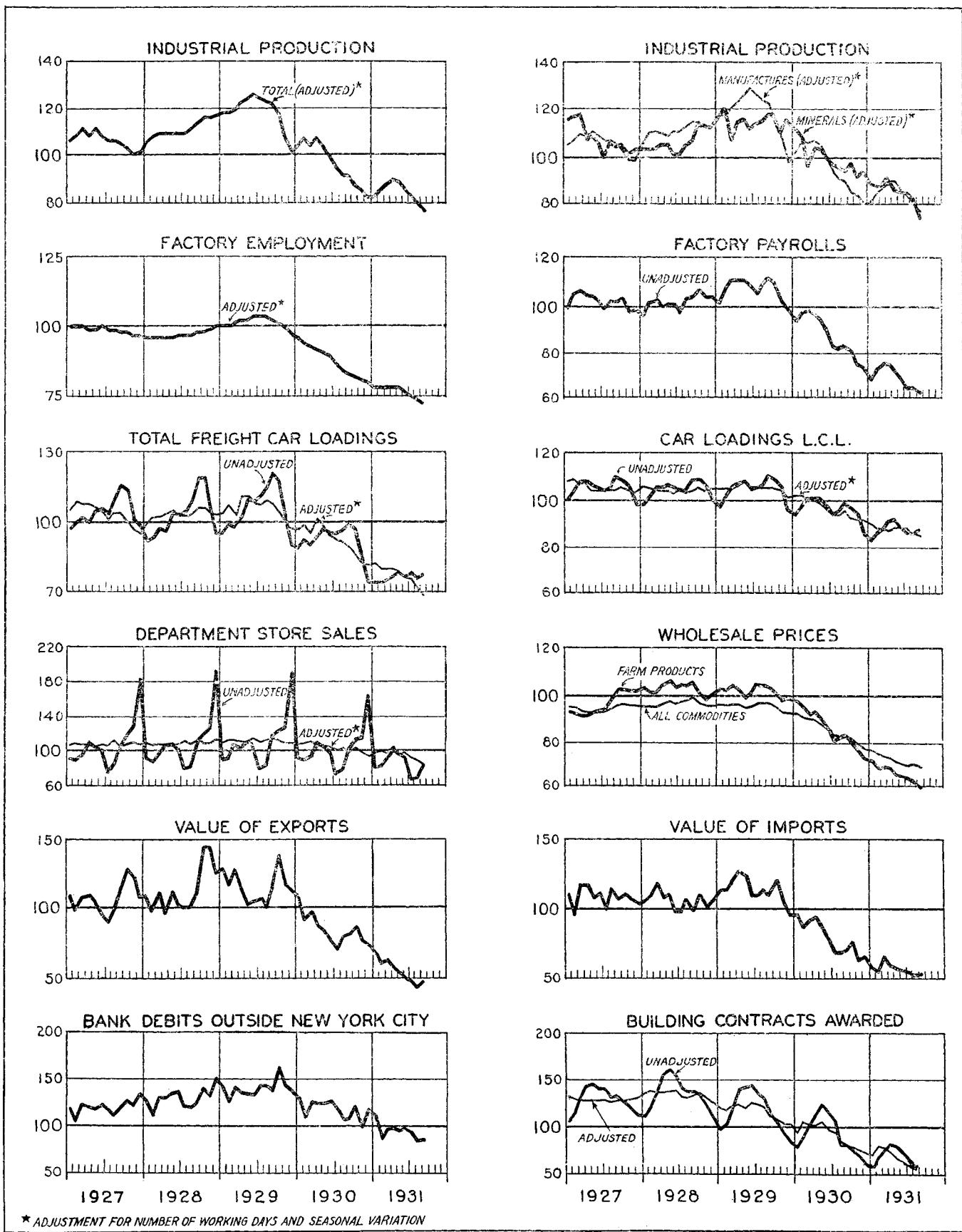
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Subscription price of the SURVEY OF CURRENT BUSINESS is \$1.50 a year which includes the 12 monthly numbers, the annual supplement, and the 52 weekly supplements; single copies (monthly), 10 cents; annual supplement, 25 cents. Foreign subscriptions 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.

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Monthly Business Indicators

1923-1925=100



* ADJUSTMENT FOR NUMBER OF WORKING DAYS AND SEASONAL VARIATION

Business Situation Summarized

ONLY slight change occurred in the volume of business in September and early October, and such gains as were realized were smaller than the usual seasonal increases. Freight-car loadings expanded; retail trade, as measured by department store and mail-order sales, increased; foreign trade advanced slightly; and bank debits were larger, but in each instance the gain was less than the normal seasonal increase. Building contract awards in September increased contrary to the usual trend, but the gain was not held in the first half of October. The index, which is based on a 3-month moving average, again declined. Wholesale prices declined in September after holding steady since June, due largely to declines in the prices of farm products.

Industrial production failed to expand in September, and further declines marked the iron and steel, automotive, and building material industries. Activity in major lines producing articles for direct consumption continues at a relatively high level, particularly in the textile and food products industries, although some slackening was noted in the leather and rubber products industries. The index of industrial production was off slightly as a result of continued declines in the mineral industry, influenced principally by the reduction in iron ore and petroleum production. The index of manufacturing was unchanged, but a seasonal in-

crease is usual at this time. After adjustment, the industrial production index and the subsidiary series of manufacturing and mineral production all moved downward. The general index for September was 3.8 per cent below August and 16 per cent below a year ago. The latter decline was the same as the cumulative deficiency for the nine months, but the drop in the third quarter was slightly less, 14 per cent, as compared with the same period of 1930.

The slight gain in factory employment in September was not of seasonal proportions, and there was a further reduction in pay-roll totals. Employment in September was 73 per cent of the 1923-1925 average, while pay rolls were but 62 per cent of the average for the same period. Pay-roll gains in September were confined to the clothing, food, and chemical groups, with all other major classes reporting declines.

Security markets were reactionary in September and early October, but efforts to strengthen the domestic banking situation have improved sentiment and resulted in an upward reaction. Reserve bank credit has continued to expand, and gold withdrawals, through export and earmarking operations, for a time assumed extremely large proportions, but recently the rate of withdrawal has slackened. Money rates have firmed as a result of recent developments.

MONTHLY BUSINESS INDEXES

Year and month	Industrial production			Factory em- ployment and payrolls		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, ad- justed ¹	Minerals, adjusted ¹	Number of employ- ees, adjusted ¹		Amount of payrolls, unadjusted ¹		Total		Merchandise, l. c. l.	Exports		Imports	Bank debits	outside New York City	Building contracts, all types, value, adjusted	Combined Index, 550 commodities	Farm products	Other than farm products and foods
	Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Adjusted ¹	Unadjusted ¹	Exports	Imports	Bank debits	outside New York City	Building contracts, all types, value, adjusted	Monthly average 1923-1925=100	Monthly average 1926=100		
1929: September	122	122	118	102	112	121	106	110	106	117	114	115	109	138.5	110	97.5	106.6	92.7			
1930:																					
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	105	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	89	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	79	79	79	74	64	76	72	86	86	67	88	43	52	83.8	59	70.2	63.5	72.3			
September	76	76	74	73	62	78	69	88	85	88	84	48	53	84.3	55	69.1	60.5	72.0			
Monthly average, January through September:	122	123	115	102	109	107		105		99		112	115	137.8	121	97.1	105.6	92.9			
1929	100	100	101	90	91	94		98		93		86	83	118.8	96	88.3	91.6	86.7			
1930	84	84	85	76	69	76		88		84		54	56	94.5	67	72.3	67.3	74.0			

¹ Adjusted for seasonal variation.² Adjusted for number of working days.

Finance—Credit and Banking

AMONG the more important factors which influenced the general banking situation during September were heavy security liquidation and England's suspension of gold payments on the 21st of the month. More recently the uncertainty which was identified with these influences has given way to a distinctly more hopeful tone owing primarily to the announcement on October 7, that a national credit corporation was to be formed to aid distressed banks and thereby to bring about the restoration of confidence generally.

The September statistics on bank debits indicate that a relatively greater part of the month's credit transactions were centered in New York. Security liquidation and shifts in bank portfolios, incident to bill sales and to gold exports, explain the nature of the major part of these transactions. Outstanding loans on securities made by reporting member banks declined steadily throughout September and the first half of October. By the end of September the total had fallen 19 per cent below that of September, 1929. The decline of recent weeks has been paralleled by a growth in member-bank investments, which increased 23 per cent during the year ended the last week of September. "All other" loans, which include changing proportions of acceptance holdings, moved slightly upward early in the month and then entered upon a decline which continued through the first half of October.

Federal reserve bank statistics for September reflect the rapid rate at which portfolio changes took place after England's suspension of gold payments. Acceptances held by the reserve banks for foreign account have been steadily diminishing since the middle of the year and in general foreign deposits have increased accordingly. During September, and particularly after the third week, acceptances were further liquidated and foreign deposits were drawn against and taken in the form of gold for export or for earmarking. These transactions were reflected in an increase of open market bill purchases by the reserve banks and resulted in a net outflow of gold of \$258,500,000 during the month. About the middle of October the sale of acceptances for foreign account gave way to renewed bill purchases and a decline in the outward movement of gold.

The New York Federal Reserve Bank raised its rediscount rate from 1½ to 2½ per cent on October 9 and a week later moved it up to 3½ per cent. These increases accounted for a rise in bill rates which, after a period of heavy gold withdrawals by Europe, contributed to a reversal by the middle of October of the movement which had caused a heavy outflow of gold and had caused renewed liquidation in the bond market after a week's recovery in the wake of announcement of a national credit pool.

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 earmark	Deposits New York State savings banks
	New York City	Out-side 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	Mem-ber bank reserve ac-count	Re-serve ratio			
MILLIONS OF DOLLARS																
1929: September	50,342	27,314	3,470	7,828	9,600	5,401	958	293	162	1,458	1,863	2,326	73.1	1,272	11.0	4,457
1930:																
September	27,383	21,253	2,967	8,476	8,538	6,454	272	209	597	1,103	1,379	2,467	79.7	1,387	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	1,378	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	2,635	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	23.6	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	105	73	678	976	1,765	2,367	83.8	1,228	-10.2	5,149
August	17,501	16,526	2,244	6,519	7,879	7,665	255	215	728	1,255	1,963	2,373	78.8	1,090	41.5	5,173
September	20,073	16,627	-----	6,346	7,845	7,916	328	469	738	1,578	2,098	2,364	71.7	996	-258.5	5,231

Finance—Security and Money Markets

AFTER a period of steady liquidation, extending throughout September and the first week of October, during which new low levels were constantly being established in both stock and bond prices, security prices reversed this course toward the middle of October, owing, apparently, to the announcement that a large credit pool would be formed to aid banks in possession of unliquid assets. During several of the weeks featured by heavy liquidation the turnover of stocks assumed large proportions and for the month sales were more than double those of August and well in line with those of a year ago.

Leading European security markets were likewise under pressure during most of September. During the first week of the month the German Bourse opened, after being closed for 55 days as a result of the critical credit and banking situation of midsummer, and the renewal of trading became the occasion for heavy liquidation. By the middle of October, however, an increasing degree of firmness prevailed in European markets generally.

Money rates showed virtually no change throughout the greater part of September. During the first part of October rates became somewhat firmer and reflected the higher rediscount rates established by the New York and several other reserve banks. Rates on prime

bankers' acceptances rose sharply during the last week of September due to heavy sales on foreign account and to corresponding purchases of gold for export.

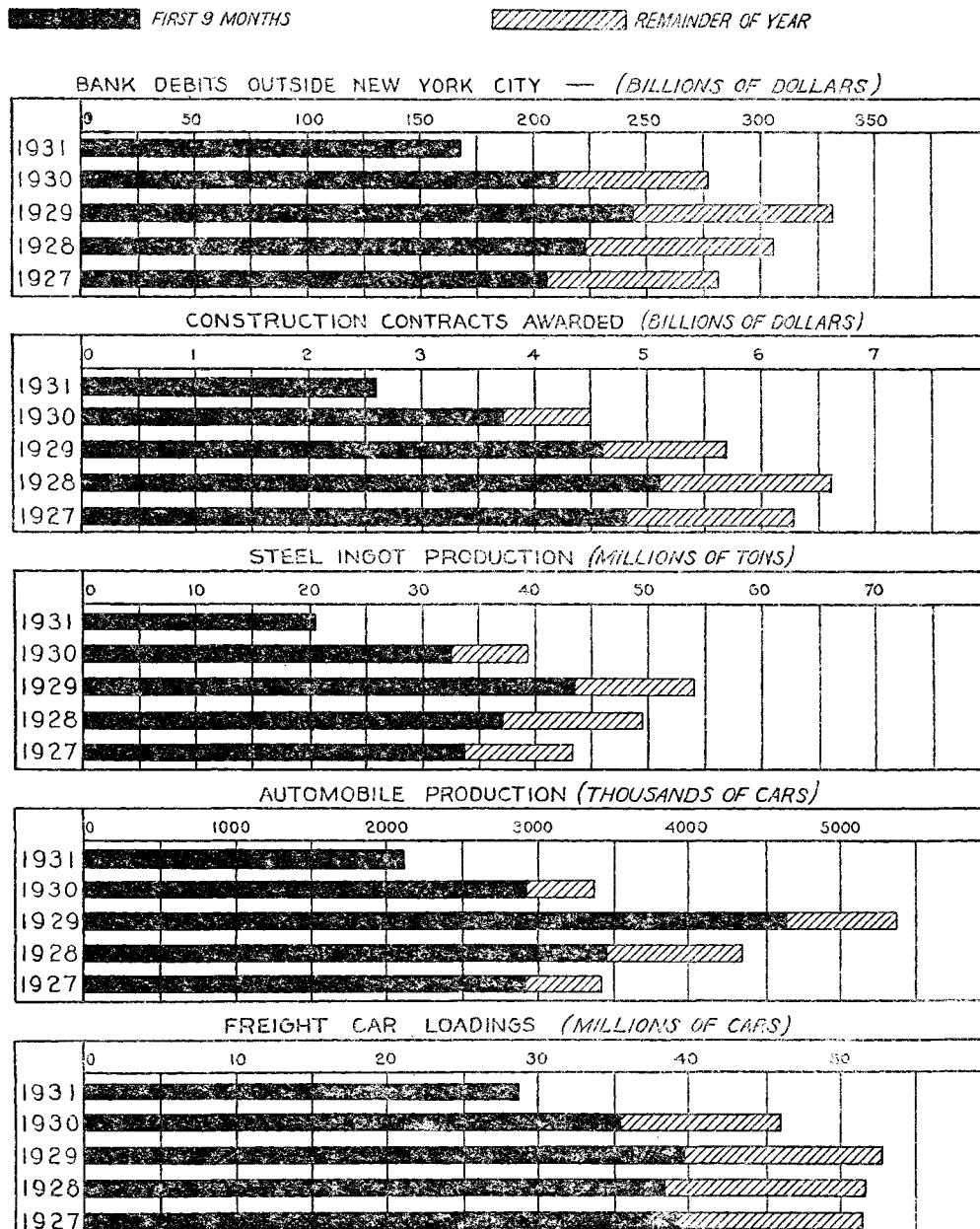
New capital issues continued on a low level throughout September, and the third week of October became the first such period since the war, during which there was not a single bond issue brought out in the market. Brokers' loans by New York City reporting member banks showed a further decline, which brought the total below \$1,000,000,000 by the middle of October for the first time since 1922. The general nature of this liquidation is indicated by the fact that loans from all sources made to all members of the stock exchange showed a corresponding decline to a September total of less than one-eighth the amount outstanding in the same month of 1929.

Immediately following the suspension of gold payments by England the New York Stock Exchange put into effect a rule, never previously tried, whereby the execution of short-selling orders is forbidden at quotations lower than the price at which a stock was last sold. The step enabled share prices to hold up and it afforded the European security markets the necessary time to adopt suitable emergency measures preliminary to reopening.

SECURITY AND MONEY MARKET STATISTICS

	Stock prices	Re- ported sales of stocks	Com- mon- stock yields	Price indices of for- eign listed com- mon stock			Bond yields	New capital issues	Long- term real estate bonds	Total dividend and interest pay- ments	Range of open mar- ket money rates New York			Brokers' loans		
				Lon- don	Paris	Berlin					Call mon- eyre- newal	Time loans	Com- mer- cial paper	Made by re- port- ing mem- ber banks in N.Y.C., Wed. closest to end of month	Re- ported by the New York Stock Ex- change, end of month	Ratio 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: September.....	225.3	100,056	2.92	129.47	501	151.6	4.76	1,201,284	5,338	530,200	8.50	83 1/2-9	6 1/4	6,804	8,549	9.82
1930:																
September.....	148.8	53,545	4.33	90.35	424	113.2	4.41	284,570	13,890	573,500	2.19	2 1/2-2 3/4	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	777,329	2.00	2 1/4-2 3/4	3	2,512	2,556	4.65
November.....	116.7	51,946	5.43	92.18	395	103.4	4.46	137,622	9,965	579,028	2.00	2-2 1/4	2 3/4-3	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	2-2 1/2	2 3/4-3	1,926	1,894	3.86
1931:																
January.....	112.3	52,543	5.50	86.39	349	90.5	4.43	399,848	4,520	1,121,434	1.57	1 1/4-2 1/2	2 3/4-3	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	1 1/4-2	2 1/2-2 3/4	1,798	1,840	3.22
March.....	121.6	65,494	4.95	80.70	373	97.3	4.41	269,030	2,018	594,282	1.55	2-2 1/4	2 3/2	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	1 1/4-2 1/4	2 1/4-2 3/2	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	1 1/4-2	2-2 1/4	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	1 1/4-1 1/2	2	1,479	1,391	2.93
July.....	98.2	33,540	5.66	76.42	320	83.7	4.44	115,070	775	945,976	1.50	1 1/4-1 1/2	2	1,390	1,344	3.03
August.....	95.5	24,890	5.74	72.40	309	Closed,	4.50	46,197	2,100	489,858	1.50	1 1/4-1 1/2	2	1,366	1,354	3.04
September.....	81.7	51,140	6.51	66.90	304	62.0	4.70	156,381	66,785	532,840	1.50	1 1/4-2	2	1,172	1,044	3.23

1931 in Comparison



Commodity Prices

AFTER having remained practically stationary for three consecutive months, prices averaged somewhat lower during September, 1931. Weekly indexes indicate that some advances have occurred in the wholesale markets during October.

Despite declines from August to September, 1931, in the indexes of 8 to 10 major groups of wholesale prices, advances occurred in price of 102 of the 550 individual commodities and no change in price occurred in 267 of the others. Drops in prices of the remaining 181 products caused the combined index to decline 1.6 per cent. Prices of furniture, rubber, leather, livestock and poultry, and hides and skins fell from 5 per cent to 15 per cent from August to September, 1931, and cotton goods, paint materials, meats and farm products, other than grains and livestock, dropped about 3 per cent each. Declines of from 1 to 2 per cent occurred in prices of grains, mixed fertilizers, and house furnishings, and declines of less than 1 per cent occurred in prices of lumber, brick, and chemicals. No change occurred in prices of boots and shoes, silk and rayon, coke, iron and steel, agricultural implements,

cement, structural steel, and rubber tires. Prices of pulp and paper and bituminous coal averaged slightly higher in September than in August, 1931, and advances exceeding 2 per cent occurred in prices of anthracite coal, butter, cheese and milk, and petroleum products.

Retail prices of foods declined slightly from August 15 to September 15, 1931, to a level 18 per cent lower than a year ago. Twenty-five of the 42 articles of foods on which quotations are received regularly declined in price, 9 advanced, and 8 remained unchanged. Prices of certain meats, of flour, beans, potatoes, and cabbage declined from 3 to 10 per cent from August 15 to September 15, while prices of eggs and butter advanced 6 per cent and 7 per cent, respectively.

As a result of declines ranging from 6 to 14 per cent in meat animals, grains, cotton and cottonseed, and fruits and vegetables, farm prices averaged 4 per cent lower on September 15 than on August 15. Prices of dairy and poultry products advanced about 5 per cent. Farm prices now average about 28 per cent lower than before the war.

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	Metal and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous	Raw materials	Semi-manufactures	Finished manufactures	Foods ¹	Cost of living ³	Combined Index, 30 commodities	
Monthly average, 1926=100																			
1929: September-----	97.5	106.6	103.2	92.7	110.8	93.1	81.1	104.1	97.5	93.9	97.1	81.7	98.9	97.6	97.0	161	100.8	141	
1930:																			
September.....	84.2	85.3	89.2	82.8	99.1	75.5	76.3	91.8	86.4	86.6	95.4	69.7	82.1	76.5	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	60.8	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.....	73.8	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	
September.....	69.1	60.5	72.9	72.0	84.8	62.9	63.3	87.2	74.9	74.8	84.7	58.4	62.7	66.3	74.0	119	85.6	72	
Monthly average, January through September:																			
1929.....	97.1	105.6	99.8	92.9	109.3	94.5	81.5	104.9	97.2	94.6	96.8	80.5	97.9	96.7	96.8	156	99.8	138	
1930.....	88.3	91.6	91.8	86.7	102.1	83.3	77.3	96.9	92.0	89.8	96.3	75.4	86.9	84.8	90.0	149	96.9	122	
1931.....	72.3	67.3	74.9	74.0	87.5	66.9	63.1	88.1	78.8	79.2	89.1	62.2	67.1	70.1	76.3	123	87.6	84	

¹ Department of Labor.² Department of Agriculture.³ National Industrial Conference Board.

Employment

EMPLOYMENT in the factories of the country during September increased by less than the usual seasonal proportions, so that the seasonally adjusted index of the Federal Reserve Board declined almost 1.8 per cent from the August figure. The average monthly index of employment for the first three-quarters of the year was almost 16 per cent under the same period last year and about 25 per cent under 1929.

While the actual number of factory workers increased 0.5 per cent during September, the unadjusted volume of wage payments to factory workers declined 4 per cent, a reflection of recent reductions in wage rates as well as increases in part-time employment. The volume of factory pay rolls during the first nine months of the year averaged about 24 per cent under the same period last year and almost 37 per cent under 1929.

Wearing apparel was the only group of manufacturing industries reporting an increase in employment greater than would normally be expected at this season of the year. The textiles group as a whole, food products, the chemicals group, rubber products, and tobacco were the only other groups reporting increased number of employees as compared with August, but these increases were in each case smaller than those usually recorded during September. The greatest decrease in employment during September, after seasonal adjustments are made, was recorded by

the iron and steel industry, with a decrease of 4.1 per cent.

The textiles, chemicals, and food groups were the only groups to register an increase in volume of pay rolls from August to September. All groups reported pay rolls materially under those of September, 1930.

Both employment and pay rolls of bituminous coal mines increased seasonally from August. Anthracite mining also recorded seasonal increases in employment and pay rolls but of materially greater proportions. Both employment and pay rolls of power, light, and water companies decreased during September as compared with August. The index of employment decreased by 1.3 per cent, while pay rolls decreased by 2 per cent. The telephone and telegraph group reported a decline in employment of 1 per cent during September as compared with August, and a drop of 0.2 per cent in volume of pay rolls for the same period. Employment in the retail trade increased seasonally during September by almost 6 per cent, while pay rolls increased by 4 per cent.

The proportion of trade-union members employed during September was the same as for the previous two months, 74 per cent. This was 6 per cent under September, 1930, and almost 18 per cent under 1929. Wages of common labor in road building during September decreased to 34 cents per hour, a new low for the present depression.

STATISTICS OF EMPLOYMENT, PAY ROLLS AND WAGES

Year and month	Factory em- ployment F. R. B.			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	F. R. B. factory pay rolls, 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												Number	Per cent of total members	Cents per hour	
1929:																	
September-----	102.4	105.4	111.9	97.2	98.6	101.9	103.8	105.5	106.6	102.5	100.4	97.6	99.2	114	90.0	41	
1930:																	
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	97.7	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-----	77.9	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	58.6	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	205	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	209	74.0	36	
August-----	74.1	74.2	64.3	77.0	50.6	67.3	49.5	95.9	96.2	85.9	92.3	81.8	80.3	217	74.0	36	
September-----	72.8	74.6	61.7	80.4	53.6	80.0	64.9	94.7	94.3	85.0	92.1	86.6	83.5	-----	74.0	34	
Monthly average, Janu- ary through September	101.8	108.9	99.9	97.7	98.1	92.1	98.6	98.3	99.4	98.9	96.1	96.8	134	88.4	39		
1929-----																	
1930-----	89.9	91.1	93.8	82.2	91.8	92.0	102.7	104.1	99.5	103.8	93.5	94.9	182	79.0	40		
1931-----	76.0	68.9	83.9	58.5	79.6	72.8	97.0	98.1	87.6	94.5	87.4	86.1	-----	74.1	36		

¹ Adjusted for seasonal variation.

Domestic Trade

DEPARTMENT store sales increased somewhat less than the estimated seasonal amount during September, according to the seasonally adjusted index of the Federal Reserve Board. Sales during September were 15 per cent less than in the same month last year, measured by dollar volume, while the cumulative total for the first nine months of the year was 10 per cent less than in the corresponding period in 1930. The total value of stocks of goods in department stores, represented by seasonally adjusted index of the Federal Reserve Board has shown little change during the past three months, but was 11 per cent smaller at the end of September than a year ago.

Car loadings of merchandise freight in less than carload lots showed an increase in September over the preceding month, but slightly less than the usual seasonal gain, according to the adjusted index. The decline from September, 1930, amounted to 11.1 per cent.

Sales of 5-and-10 cent stores registered somewhat less than the usual seasonal increase during September, but the dollar volume of sales was less than 1 per cent smaller than a year ago.

Mail-order sales, based on the reports of two of this type of outlets, showed a seasonal increase during September, but were 16 per cent less than in the corresponding month last year. Postal receipts recorded

a seasonal increase during September, while the total was 8.5 per cent less than a year ago.

Commercial failures in September numbered 1,936, compared with 1,944 in the preceding month and 1,963 in the corresponding month last year; it was the fourth consecutive month in which the number of failures was below the 2,000 mark. The number of failures was less than in September, 1930, for both trading establishments and the group of agents and brokers, while manufacturers showed a small increase. The total of liabilities in September was less than in either the preceding month or the same month last year. Agents and brokers and manufacturers each recorded a smaller total of liabilities in September than in the corresponding month last year, but traders showed increased indebtedness. There were 74 large firms which failed in September, compared with 64 in the same month last year, but the total of liabilities was less.

Magazine advertising recorded a seasonal increase in lineage during September, but was about 25 per cent less than in the corresponding month last year. Advertising in newspapers also increased seasonally from August, while the September total was only 15 per cent less than a year ago. Radio advertising was 29 per cent greater than a year ago.

DOMESTIC TRADE STATISTICS

Year and month	Department store sales		Department store stocks		Freight car loadings, merchandise, I. e. 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	
	Unadjusted ¹	Adjusted ²	Unadjusted ³	Adjusted ³	Unadjusted ³	Adjusted ³	Unadjusted ³	Adjusted ³			Failures	Liabilities	Magazine	Newspaper		
	Monthly average, 1923-1925=100								Thousands of dollars		Number	Thousands of dollars	Thousands of lines	Millions of lines	Thousands of dollars	
1929: September.....	117	114	104	100	110	105	147	168	63,078	30,549	1,568	34,125	2,536	106	86,974	
1930:																
September.....	103	99	95	91	99	95	147	156	54,439	28,764	1,963	46,947	2,146	89	79,174	
October.....	112	102	101	92	97	93	168	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	55,281	2,488	89	79,934	
December.....	165	94	85	91	86	92	298	153	72,486	38,572	2,525	83,633	2,265	82	91,923	
1931:																
January.....	79	97	78	88	83	90	124	161	41,459	29,172	3,316	94,608	1,585	76	78,273	
February.....	80	98	81	86	87	89	127	163	39,422	26,405	2,563	59,608	1,992	72	70,935	
March.....	92	97	87	84	89	89	144	159	43,008	30,178	2,604	60,387	2,203	90	81,747	
April.....	101	106	85	83	91	88	160	168	52,078	29,257	2,386	50,888	2,421	89	90,648	
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	1,993	51,656	2,191	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.....	77	88	76	79	86	86	142	159	43,004	23,389	1,944	53,025	1,316	67	71,622	
September.....	87	84	84	81	88	85	141	155	45,955	26,335	1,936	40,256	1,603	77	-----	
Monthly average, January through September:																
1929.....	99	-----	97	-----	105	-----	145	-----	54,668	30,992	1,917	36,936	2,634	100	87,175	
1930.....	93	-----	94	-----	98	-----	142	-----	51,736	29,722	2,186	52,560	2,445	88	83,600	
1931.....	84	-----	81	-----	88	-----	142	-----	45,508	27,067	2,330	58,309	1,922	78	-----	

¹ Corrected to average daily sales.

² Adjusted for seasonal variation.

³ End of month figures.

Foreign Trade

UNITED STATES exports during September showed an expansion slightly less than seasonal. The increase in value over the total for August was 10 per cent, while the normal seasonal upswing is about 14 per cent. Imports showed a gain of 2½ per cent. On a daily average basis, exports and imports for September amounted to \$6,000,000 and \$5,700,000, respectively.

Merchandise exports exceeded merchandise imports to the amount of \$10,000,000, a comparatively small favorable balance for September. Gold exports, totaling \$28,700,000, were larger than in any month since August, 1930, while the net amount of gold placed under earmark for foreign account amounted to \$279,000,000. Imports of this metal of \$49,200,000 dropped about 14 per cent below the imports in August. Gold was exported largely to France and the Netherlands.

Comparatively small shipments of raw cotton, leaf tobacco, and wheat account in large part for the less than normal seasonal increase in total exports. Shipments of wheat in September amounting to 8,397,000 bushels were slightly smaller than in August, while the respective exports of cotton and tobacco, amounting to 298,300,000 pounds and 44,800,000 pounds, showed a substantial increase. As compared with the

corresponding periods of other recent years, however, exports of these three items in both August and September were relatively low. Shipments of apples and dried and evaporated fruit were not only larger than in August, but were also greater than in the corresponding period of 1930. Among our finished manufactures, exports of electrical apparatus and industrial machinery increased in comparison with August; the latter fell only 6 per cent below the value of this group in September, 1930. On the other hand, exports of agricultural implements, gasoline, and copper showed a reduction as compared with the month immediately preceding, as well as with the corresponding period of 1930.

In import trade a considerable share of the drop in total value, as compared with the corresponding period of 1930, was due to the low level of prices. Our quantity purchases of hides and skins, raw silk, crude rubber, cotton cloth, unmanufactured wool and meat products during September, 1931, were either approximately as large or greater than in September, 1930. Coffee and cane-sugar imports in September, 1931, fell below the quantity imported in September, 1930, but for the period, January to September, 1931, were substantially larger than in the corresponding period of 1930.

EXPORTS AND IMPORTS

Year and month	Exports, including reexports ¹	Exports of United States merchandise										General imports						
		Crude materials		Foodstuffs				Finished manufactures				Total		Crude materials		Food-stuffs	Semi-manufac-tures	Fin-ished manu-fac-tures
		Total	Raw cotton	Total	Wheat and flour	Meats and fats	Fruits and preparations	Semi-manufactures	Total	Machinery	Auto-mo-biles, parts, and accessories	Gasoline	Total	Crude materials	Food-stuffs	Semi-manufac-tures	Fin-ished manu-fac-tures	
1929: September	437.2	112.3	76.4	70.9	24.2	13.3	11.4	57.7	190.9	48.7	33.4	18.9	351.3	122.1	73.0	70.6	85.6	
1930:																		
September	312.2	93.7	62.8	46.0	18.4	9.9	9.2	37.1	130.6	33.6	16.4	16.5	226.4	75.4	48.2	41.0	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	45.5	69.2	
November	289.0	90.9	50.3	45.6	7.8	11.9	17.5	33.1	115.8	33.2	14.1	12.4	203.6	59.2	48.4	38.3	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	38.1	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	36.9	44.8	
February	224.3	47.7	25.4	29.5	3.2	10.5	8.9	27.5	116.1	44.0	16.1	10.6	174.9	56.4	46.1	31.5	41.2	
March	235.9	56.5	33.0	33.0	3.9	10.1	10.7	31.4	110.3	29.4	18.5	8.4	210.2	64.0	56.6	39.8	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	33.4	45.7	
May	204.0	35.5	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	30.4	45.5	
June	187.1	29.1	13.5	28.7	8.8	7.1	5.7	24.5	97.7	28.3	12.8	7.2	173.5	52.4	47.2	29.8	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	30.0	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	28.3	45.3	
September	180.2	44.4	23.5	28.4	6.7	6.3	9.2	21.4	83.2	24.7	8.7	7.2	170.4	52.9	35.1	30.3	52.0	
Cumulative, January through September:																		
1929	3,843.7	697.3	444.5	557.0	137.8	153.1	90.7	558.2	1,966.1	461.4	455.4	197.5	3,360.0	1,195.0	745.0	678.8	741.2	
1930	2,952.4	556.6	325.4	407.9	132.1	122.9	59.9	407.9	1,530.7	417.9	233.5	202.7	2,401.3	796.3	537.0	486.2	581.8	
1931	1,841.7	366.7	194.8	273.0	59.3	75.7	73.8	255.0	910.7	264.8	124.7	87.9	1,618.6	492.2	420.7	290.2	415.5	

¹ Reexports of foreign merchandise during September, 1931, were \$2,845,000.

Transportation

DISTRIBUTION of commodities during September, as reflected by the average weekly total freight car loadings, was of greater proportions than during August, but the increase was not as large as would normally be expected at this season of the year. The Federal Reserve Board's adjusted index of total cars loaded decreased from 72 in August to 69 in September, the lowest figure registered since this series was started in 1919. Loadings in September were 21 per cent under September, 1930, and 36 per cent under 1929. The average monthly car loadings during the first three-quarters of the year were 19 per cent under the same period in 1930 and 29 per cent under 1929.

The movement of merchandise in less-than-carload lots during September was slightly under August, after adjustments are made for the number of business days and seasonal variation. The average monthly merchandise movement by the railroads during the first nine months of the year was about 10 per cent under the same period in 1930 and 16 per cent under 1929. During the first nine months of the year the average monthly loadings of all of the individual commodity groups were under those for the same period in 1930,

the greatest decrease in freight-car loadings being recorded by the ore and forest products groups with decreases of 47 per cent and 37 per cent, respectively.

The number of idle freight cars has gradually decreased since February. The September surplus was the same as July—the lowest of the year so far, and 20 per cent under the high of December, 1930. Nevertheless the number of idle cars was 43 per cent larger than in September, 1930, and almost four times as great as in the same month of 1929. The average freight-car surplus during the first three-quarters of the year was 39 per cent greater than for the same period in 1930 and 185 per cent over 1929.

Dividend payments of steam railways during the first nine months of the year averaged \$39,122,000 monthly compared with \$43,189,000 during the same period in 1930 and \$38,256,000 in 1929.

A seasonal decrease in traffic was reported as passing through the Sault Ste. Marie Canal, and the September tonnage was only about two-thirds that reported during September last year and slightly more than one-half the 1929 tonnage. Freight traffic on the Mississippi River, as indicated by tonnage carried by Government-owned barges, was the highest this year.

RAIL AND WATER TRAFFIC

Year and month	Freight-car loadings										Canal and river traffic				Panama Canal traffic, both directions	Ocean traffic clearances, American ports										
	F. R. B. index		Total	Merchandise, l.c.l.		Grain and products		Livestock		Coal and coke		Forest products		Ore		Miscellaneous		Freight-car surplus		Dividend payments, steam railways		Canals			River	
	Adjusted (1)	Unadjusted (1)																		Sault Ste. Marie	New York State	Cape Cod	Mississippi (Govt. owned barges)			
Monthly average, 1923-1925=100																										
1929: September	106	121	4,542	1,049	199	124	799	252	275	1,844	119	31,100	13,356	389	200	91	1,194	2,833								
1930:																										
September	87	99	3,726	944	189	108	638	162	195	1,490	394	32,700	10,347	458	245	114	1,040	3,060								
October	86	97	3,818	966	163	129	733	159	154	1,514	403	44,100	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	2,986	899	151	85	486	130	29	1,208	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								
September	69	78	2,908	841	149	96	516	104	121	1,081	564	26,500	7,126	587	198	107	884	-----								
Monthly average, January through September																										
1929	107	4,436	1,104	207	112	786	282	207	1,738	212	38,256	8,219	228	171	109	1,223	2,645									
1930	94	3,906	1,031	197	103	688	213	155	1,520	435	43,189	6,485	290	202	95	1,123	2,756									
1931	76	3,174	926	176	92	567	134	82	1,198	604	39,122	3,892	301	198	90	888	-----									

¹ Daily average basis.

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

Construction

CONSTRUCTION contracts awarded in September recorded a gain in value over those in August, although the total number of square feet showed little change. Residential building declined both in volume and value, but there was a marked increase in the value of contracts awarded for public works and utilities, owing mainly to large engineering projects. This expansion and the increase in nonresidential building undertakings were the contributing factors in the sharp rise in bookings of fabricated structural steel, which were the highest since April, 1931. The production and shipment of most building materials declined seasonally from August to September. The index of construction costs (composed of the prices of structural steel shapes, cement, lumber, and the rates paid common labor) remained unchanged.

The number of square feet of all types of building contracts awarded declined 1.6 per cent from August, while the value increased 8 per cent. As compared with a year ago, both volume and value dropped about 25 per cent. For the first nine months of 1931 construction has been 30 per cent less than during the same period of 1930.

Residential building activity, following the seasonal trend, declined 8 per cent in volume and 9 per cent in value; a comparison of the first nine months of this year with the same period of 1930 shows a decrease of 10 per cent in volume and 21 per cent in value. The construction of public works and utilities rose 17 per cent in value, although the number of square feet was below that of the previous month.

New orders for fabricated structural steel were 59 per cent higher than in August and 26 per cent above those of September, 1930. The production of Portland cement was seasonally curtailed, and was 11 per cent below that in August, and 25 per cent less than in September, 1930. The shipments of maple flooring decreased 7 per cent, and those of oak flooring fell off 9 per cent.

Building-material prices for frame and brick houses fell 1.3 and 1.2 per cent, respectively, below the levels of the previous month.

The number of miles of Federal-aid highway completed in September was more than three times as large as in the same month of 1930. The total number of miles under construction at the end of September was 10,659 or 26 per cent more than a year ago.

BUILDING MATERIALS, CONSTRUCTION, AND REAL ESTATE

Year and month	Building contracts awarded							Building materials				Building material prices		Real-estate market activity—deeds recorded	Long-term real-estate bonds		
	F. R. B. index (3 months moving average of values unadjusted)	All types of construction		Residential building		Public works and utilities		Maple flooring	Oak flooring	Cement	Fabricated structural steel	Frame house	Brick house	Construction cost, Eng. News Rec.	Total	To finance new construction	
		Mil-lions of square feet	Mil-lions of dollars	Mil-lions of square feet	Mil-lions of dollars	Thousands of square feet	Mil-lions of dollars					Shipments	Production	New orders	Thousands of barrels	Thousands of short tons	Thousands of dollars
Monthly average 1923-1925=100																	
1929: September	112	59.9	444	25.6	117.4	1,403	141.0	6,160	35,233	17,223	298	176	182	207.6	79.8	5,338	950
1930:																	
September	82	41.2	332	19.7	98.5	1,484	109.1	3,331	19,898	16,124	156	168	174	199.6	66.8	13,890	1,475
October	75	39.5	327	22.3	104.7	339	113.0	2,886	20,649	14,410	209	171	176	198.7	74.0	6,635	1,210
November	68	33.1	254	18.8	80.8	468	76.4	2,554	15,844	11,098	151	165	172	198.5	64.6	9,965	1,595
December	59	29.1	249	14.7	70.9	697	78.6	1,811	17,152	8,480	153	168	174	196.9	68.9	29,877	530
1931:																	
January	58	24.6	228	12.2	54.4	393	95.2	2,351	18,365	6,595	162	163	170	194.5	66.0	4,520	2,850
February	68	28.3	235	16.6	77.9	246	78.6	2,676	21,713	5,920	158	165	171	196.6	66.7	3,590	1,500
March	77	38.0	370	22.1	100.9	522	151.7	3,017	26,243	8,245	184	163	170	194.5	61.7	2,015	1,000
April	82	39.4	337	22.6	95.9	785	133.0	3,226	28,155	11,245	293	157	167	191.6	62.0	7,235	1,700
May	78	38.9	306	21.9	88.9	387	108.9	3,315	28,201	14,010	153	160	167	189.3	61.3	9,485	0
June	74	35.0	332	16.9	72.7	2,367	154.5	3,778	23,373	14,118	177	158	166	187.4	58.4	3,425	1,000
July	68	33.8	256	15.9	63.9	1,233	116.3	3,447	25,691	13,899	159	155	164	174.4	61.1	775	600
August	63	30.6	233	14.1	60.2	737	73.0	3,397	21,464	13,549	124	156	163	171.4	59.8	2,100	565
September	56	30.1	252	13.0	54.6	353	85.1	3,144	19,486	12,092	197	154	161	171.4	-----	66,785	395
Monthly average, January through September:																	
1929	125	70.1	511	35.5	172.3	965	136.1	6,251	40,577	14,244	308	176	182	206.7	85.0	33,187	12,611
1930	100	45.4	409	19.3	93.9	1,423	153.7	3,994	27,353	14,102	242	174	179	204.5	71.0	13,844	5,869
1931	69	33.2	287	17.3	74.4	780	110.7	3,150	23,632	11,075	179	159	167	185.7	-----	11,103	1,038

Agriculture

MARKETINGS of animal products through wholesale channels showed a seasonal decline during September, as represented by the combined index of the physical volume of these products; the total was slightly above that of a year ago, but 6 per cent less than in September, 1929.

Receipts of wool and of dairy products declined seasonally during September, while livestock recorded a seasonable increase in volume. Poultry and eggs moved in smaller quantities than in August, while landings of fresh salt-water fish increased over the preceding month.

Crop marketings registered a seasonal increase during September, although the volume was 33 per cent less than in the corresponding month of last year, according to the combined index for that group. Vegetables and cotton increased seasonally during September, while receipts of fruits declined in volume, instead of recording the usual seasonal increase.

Total wheat production in the United States was estimated by the Department of Agriculture, as of October 1, to be 884,000,000 bushels, which is about 21,000,000 bushels larger than the 1930 crop and about 62,000,000 bushels above the 5-year average. Winter-wheat production is indicated to be 775,000,000 bushels compared with 612,000,000 bushels last year; the

estimate for spring wheat indicates a total of 109,000,000 bushels, which compares with 251,000,000 bushels in 1930. The reports from 35 wheat countries, at the end of September, indicate that the total world production in 1931 will be 4.6 per cent less than last year. The corn-crop estimate, as of October, indicates a total which would be 29 per cent larger than the short crop last year, and only slightly under the 5-year average. The cotton crop was estimated as of October 1 as amounting to 16,284,000 bales, which would be the largest crop since 1926. There is a shortage of hay, principally in the West. A rather light production of feed grains is being offset by the feeding of wheat and by the increased production of cottonseed.

The visible supply of wheat at the end of September as represented by the total at terminals, elevators, warehouses, docks, afloat, and on lakes and canals, east of the Rocky Mountains showed a decline compared with the month previous, instead of registering the usual seasonal increase. Meats in cold storage declined seasonally in September, while stocks of cotton in mills and in warehouses recorded a seasonal increase. The monthly average of stocks of each of these three groups of products, from January through September, has been higher than in the corresponding period in 1930.

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	Liv-e-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: September.....	98.7	127.9	95.7	82.8	94.0	283.1	168.4	117.1	144.8	173.1	218.0	338.8	92.5	106.4
1930:														
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	165.2
October.....	96.7	79.1	108.0	79.2	82.2	172.0	212.1	82.6	108.4	249.0	327.5	349.8	55.7	234.8
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	264.9
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	266.8
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	254.2
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	235.8
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	216.4
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	179.5
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	123.6	161.2	103.0	182.9	103.4	139.3	22.6	370.4	98.7	146.8
August.....	94.3	259.6	82.5	88.0	96.3	189.3	83.9	130.0	64.1	154.6	29.2	413.5	83.3	140.1
September.....	92.7	125.1	88.3	88.4	90.5	211.2	117.9	79.8	103.2	129.2	152.1	407.7	66.6	188.1
Monthly average, January through September:														
1929.....	99.9	151.9	84.5	101.6	113.0	184.3	91.1	107.9	118.1	100.2	67.5	231.5	121.1	104.1
1930.....	99.7	187.2	83.4	102.9	109.0	195.1	82.5	99.1	111.3	85.4	60.4	268.5	97.0	145.6
1931.....	99.1	197.4	82.3	106.0	111.2	156.4	75.6	93.3	106.5	99.8	46.5	358.3	100.7	191.1

Iron and Steel Industry

PRODUCTION in the iron and steel industry was further reduced in September, and activity has not expanded to any extent in October. The adjusted index of production last month was 10 per cent below August and 46 per cent below a year ago. During the first nine months of 1931 the index was one-third below the 1923-1925 average and in September was down to 46 per cent of the average for the same period.

Employment was curtailed further in September, and the adjusted index was 4.2 per cent below August and 18 per cent below September, 1930. Widespread wage reductions were announced in the industry in September, but the pay-roll decline was the result of the decreased activity, as the cuts were not effective until October 1. Pay rolls have declined steadily since March and in September were but 45 per cent of the 1923-1925 average. During the first nine months of 1931 pay rolls averaged 33 per cent below the same period last year and 44 per cent below 1929.

Steel ingot production in September was 10 per cent below August and 45 per cent below a year ago. Third quarter production was about 42 per cent below the same quarter of last year, compared with a decline of 37 per cent for the nine months. Operations in the

industry were at the rate of 28 per cent of capacity, and the rate has been about the same so far in October. Unfilled orders of the United States Steel Corporation declined for the sixth consecutive month, and, while the drop was small, an increase is usual for the month.

Pig iron production was 8.7 per cent lower in September than in the previous month. Daily output was the smallest since the same month of 1921. For the first nine months of the current year production averaged 42 per cent below a year ago.

Fabricated structural steel orders improved in September and were the largest since last April. Shipments were lower than in the preceding month, reflecting the decline in orders in August. Foreign trade remains inactive, with exports in September falling to the lowest point reached during the current depression. Exports in the first nine months of the year were only about half those of the same months of 1930 and one-third those of a like period of 1929.

Prices of finished products have held fairly steady, and the composite iron and steel price is only slightly lower. Scrap prices have again weakened, following the temporary gain in mid-September, and the composite scrap price has receded to a new low.

IRON AND STEEL STATISTICS

Year and month	General operations				Iron and steel		Steel ingots		Fabricated structural steel		United States				Prices			
	F. R. B. index (adjusted) ¹	Rate of operations, electric energy consumption	Employment adjusted	Pay rolls unadjusted	Exports	Imports	Pig-iron production	Production	Per cent of capacity	New orders	Shipments	Steel Corporation, unfilled orders end of month	Manganese (ore content), imports	Steel billets, Bessemer (Pittsburgh)	Iron and steel composite	Structural steel beams	Composite 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: September	140	152.3	100.2	108.9	222	46	3,498	4,528	92	298	293	3,903	13	35.00	36.50	1.95	2.54	
1930: 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	2,695	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	1,660	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	34	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	22	1,707	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	33	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	41	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	30	1,994	2,505	45	153	148	3,620	21	29.50	31.39	1.65	2.21	
June	64	86.6	72.6	57.6	76	31	1,630	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	28	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	22	1,281	1,719	31	124	169	3,169	22	29.00	31.05	1.60	2.19	
September	46	78.3	67.4	45.2	70	25	1,169	1,548	28	197	150	3,145	27	29.00	31.03	1.60	2.20	
Monthly average, January through September:																		
1929	139	156.1	99.6	107.9	259	48	3,631	4,817	95	308	275	4,145	29	34.59	36.62	1.93	2.55	
1930	103	127.1	89.4	89.0	182	37	2,856	3,600	70	242	265	4,103	25	32.17	34.07	1.74	2.35	
1931	65	97.8	73.7	60.0	88	30	1,669	2,268	41	179	162	3,645	23	29.50	31.35	1.64	2.21	

¹ Adjusted for seasonal variation.

Chemical Industries

INCREASED operation in the chemical industry during the month of September was in accord with the usual seasonal tendencies. Production of rosin and turpentine registered sharp gains, but these were partially due to the abnormally low output during August. Ethyl alcohol continued its gain of the last two months but the September total was 9 per cent under the same month a year ago. By-product coke production, which declined from the sixth consecutive month, was 5 per cent less than in August. Average monthly production for the first nine months was approximately 28 per cent lower than in the same period last year. The volume of explosives produced during August was 2 per cent below the output for July.

Employment throughout the chemical industry recorded a 2 per cent gain for September as compared with August, according to the unadjusted index of the Federal Reserve Board. A fractional gain in pay rolls took place during the same period and was the first advance recorded since April of this year. The seasonally adjusted index of employment continued its decline of the past three months, but the recession was approximately 1 per cent, compared with a 3 per cent reduction for the previous month.

Stocks of chemical raw materials increased 19 per cent during September, the first gain recorded since

October, 1930. Manufactured goods in stock also increased by 7 per cent. Despite the above gains, the monthly averages for January through September were below the same months in 1930. Compared with September, 1930, manufactured stocks were 4.5 per cent higher and raw materials stocks approximately 16 per cent lower.

The sharp gain in fertilizer consumption during September was not significant because of the extremely low figures reported for July and August. The month's total was one-third less than in September, 1930, and slightly more than half the figure for September, 1929. The monthly average consumption during the first nine months of 1931 was 26 per cent below the identical averages of 1929 and 1930. Imports of potash salts were approximately the same in September as in July and August. Muriate of potash imports were 39 per cent of the total and sulphate of potash 11 per cent. Imports of kainite totaled 2 per cent with the remainder divided among the other salts. Nitrate of soda imports in September gained 37 per cent as compared with August. The figure was approximately 54 per cent above that of September, 1929, and raised the monthly average for the first nine months of 1931 to within 1 per cent of the same average for 1930.

CHEMICALS STATISTICS

Year and month	General operations					Ethyl alcohol	Explosives	Rosin, wood	Turpentine, wood	Super-phosphates	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	Raw ma-terials	Manu-fac-tured goods																					
	Monthly average, 1923-1925=100					Thous. of gals.	Thous. of lbs.	Production		Thous. of short tons	Short tons	Thous. of short tons	Consumption		Imports											
1929: September	114.0	114.5	116.0	112.9	115.0	20,739	42,019	36,905	6,695	253	4,408	868	174	83,374	31,539											
1930:																										
September	102.3	102.7	101.3	121.3	120.0	14,299	35,688	38,293	6,573	283	3,376	1,101	136	103,113	19,362											
October	101.1	101.4	99.9	125.1	132.7	18,455	34,113	34,818	5,817	336	3,408	1,265	95	73,945	27,207											
November	98.3	98.6	96.1	124.2	128.3	20,861	30,248	38,931	6,584	303	3,114	1,508	61	19,706	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	25,324	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	41,663	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	33,822	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	60,394	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	30,206	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	17,706	34,006											
June	89.6	86.7	84.1	123.3	87.9	11,981	24,715	34,747	5,675	146	2,715	1,024	74	14,650	29,711											
July	89.4	86.2	86.7	119.2	86.7	11,075	23,068	28,495	4,370	143	2,569	997	25	67,958	18,809											
August	86.6	84.4	80.4	118.5	86.3	12,363	24,548	17,074	2,607	162	2,443	1,238	40	65,043	35,367											
September	85.7	86.0	80.8	126.7	101.2	12,952	25,058	3,797	-----	2,310	1,252	91	66,440	48,590												
Monthly average, January through September:																										
1929	111.8	112.6	120.6	104.4	16,008	36,614	36,814	6,806	290	4,480	870	582	62,110	85,225												
1930	106.3	106.3	130.3	103.9	12,231	32,642	40,667	7,195	337	3,958	964	582	79,434	52,189												
1931	90.7	86.9	126.4	94.3	11,779	20,435	4,991	-----	2,839	1,223	432	44,209	51,996													

¹ Average of 8 months.

Automobile and Rubber

EMPLOYMENT during September in the automobile industry did not decrease in the same proportion as production. This was due to an effort on the part of producers to spread available labor among as many employees as possible upon a shorter time basis. The unadjusted pay-roll index of the Federal Reserve Board declined 17.5 per cent, while the unadjusted employment index receded only 2.3 per cent.

Activity in the industry reached a low point during the month. The decline was greater than is usually experienced at this period of the year and the seasonally adjusted index of production of the Federal Reserve Board was 37 per cent below September, 1930. The decrease for the month was confined almost entirely to passenger cars, with truck and taxicab output receding approximately 1 per cent. For the first nine months of the current year production was 27 per cent below the same months in 1930 and 55 per cent below the high level of 1929. Canadian production also experienced a sharp decline, the total units produced during September being less than one-third of the output a year ago.

September exports were 8.6 per cent greater than recorded for August, but the entire gain was due to an

increase in truck shipments. Passenger-car exports declined 20 per cent while trucks gained 77 per cent. This is the first gain in truck exports since March and the monthly average for January through September is 44 per cent below the same period in 1930.

Domestic shipments of pneumatic tires during August exceeded production for the second consecutive month. Production declined 21 per cent compared with the July output while shipments receded only 9 per cent. Compared with August of last year, output in the industry declined 6 per cent. Domestic shipments also decreased with the August, 1930, total 3 per cent above the present year.

The Federal Reserve Board adjusted index of employment in the rubber industry declined 1 per cent during September. The unadjusted index of pay rolls was 12 per cent lower. The usual seasonal trend is upward at this period of the year.

World stocks of crude rubber increased during September for the third consecutive month, with imports remaining practically the same. The monthly average imports for the first nine months of the current year were 3 per cent below a similar period a year ago.

AUTOMOBILE AND RUBBER STATISTICS

Year and month	Automobile production						Automobile exports		Auto-mo-bile acces-sories, ship-ments	Automobile financing		Pneumatic tires		Crude rubber		
	F. R. B. Index, ad- justed	United States			Canada		Passen- ger cars	Trucks		By whole- sale dealers	By con- sumers	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										
Monthly averages, 1923-1925=100	Thousands	Number						Janu- ary, 1925=100	Millions of dollars	Thousands		Long tons				
1929: September	122	416	363	865	51,576	13,817	20,934	12,985	84	60	129	3,568	4,330	34,814	277,151	
1930:																
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	4,544	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	78	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	210	360	40,244	6,835	5,843	4,340	61	58	105	4,538	4,320	46,939	496,238	
July	60	218	184	180	34,317	4,220	6,478	3,518	57	49	96	3,941	4,244	44,052	509,139	
August	52	187	155	104	31,772	4,544	5,699	2,356	66	44	80	3,125	3,845	39,033	511,750	
September	39	141	109	141	31,338	2,646	4,577	4,171	66	36	68	-----	-----	38,933	512,774	
Monthly average, January through September																
1929	140	516	444	1,510	70,527	25,984	32,417	18,050	85	61	146	5,127	4,968	48,692	256,836	
1930	88	323	271	702	51,288	15,402	14,535	7,747	71	62	111	3,726	3,727	41,449	384,383	
1931	63	235	196	360	39,066	8,611	7,923	4,345	60	54	88	-----	-----	40,163	492,754	

Textile Industry

TEXTILE production in September recorded slightly less than the usual seasonal increase, according to the adjusted index of the Federal Reserve Board, but the increase over the same month last year amounted to 12.5 per cent.

Raw cotton consumption in September was the highest since May, and was 18 per cent above a year ago. Cotton textiles produced during September attained a volume larger than in the preceding month and 49 per cent greater than in the corresponding month in 1930. The average weekly production of cotton piece goods, accounting for about half of total cloth output, amounted to 54,000,000 yards in September compared with 52,000,000 yards in the preceding month; the sales of these goods were 6 per cent above current production during September compared with a ratio of 20 per cent under production during August. Shipments of cotton textiles in September were 19 per cent larger than a year ago. Stocks of these textiles declined slightly during September and receded to a volume which was 38 per cent smaller than at the corresponding period

last year. Unfilled orders increased somewhat in September, but were 20 per cent less than at the end of the same month last year.

Receipts of wool at Boston recorded a seasonal decline during September, but the total was 164 per cent larger than for the corresponding month in 1930. The price at Boston of the territory type of fine staple scoured wool averaged 18 per cent less in September than in the same month last year.

Woolen and worsted goods spinning in September declined slightly from the preceding month, but the proportion of active spindles in woolens was 14 per cent greater than a year ago, while the increase in activity in the worsted goods industry amounted to 17 per cent. The index of employment for woolens and worsteds combined during September continued to show that it was one of the few manufacturing industries which operated at a slightly higher level than in the same month in 1930.

Deliveries of raw silk to American mills were 16 per cent larger in September than in the preceding month, although a slight decline was recorded, compared with a year ago.

TEXTILE STATISTICS

Year and month	F. R. B. Index, adjusted	Cotton, raw		Spindle activity, total	Cotton manufactures ¹				Wholesale price, Fairchild composite	Receipts, at Boston, total	Price, territory, fine, staple, scoured (Boston)	Wool		Wool manufacturers	Silk						
		Mill consumption	Stocks, mills and warehouses, end of month		Production	Shipments	Stocks, end of month	Unfilled orders, end of month				Woolen	Worsted								
1929: September.....	116	545,834	3,999	7,873	268,611	287,628	345,043	438,952	160	19,444	.92	77	70	53,274	1.15						
1930: September.....	88	393,390	6,212	5,602	182,385	232,975	392,406	285,427	124	7,074	.76	55	60	55,649	.95						
October.....	91	443,284	8,829	6,243	228,866	270,383	350,889	350,845	124	12,739	.75	53	62	61,937	.95						
November.....	93	415,315	9,962	5,825	206,633	200,661	356,861	333,251	124	6,240	.72	52	52	57,333	.95						
December.....	87	405,518	10,031	5,924	234,052	226,951	363,962	288,956	122	11,574	.72	45	52	55,424	.95						
1931:					Thousands of yards				Month-ly average, 1911-1913=100	Thousands of pounds		Per cent of active hours to total reported		Bales	Dollars per pound						
January.....	86	450,117	9,557	6,365	202,149	210,597	355,514	317,465	120	10,795	.68	48	52	55,910	.75						
February.....	93	433,376	8,864	6,122	212,168	248,354	319,328	395,802	119	13,269	.66	66	54	54,242	.75						
March.....	97	490,509	8,136	7,000	271,638	317,185	273,781	373,961	121	13,279	.66	57	57	55,383	.75						
April.....	98	508,691	7,404	7,125	225,955	217,582	282,154	294,118	119	17,775	.65	55	57	41,356	.75						
May.....	98	465,363	6,748	6,733	225,392	205,603	301,943	248,544	115	30,341	.63	60	66	45,073	.75						
June.....	97	453,901	6,102	6,630	260,163	273,871	288,235	330,575	112	56,743	.62	61	73	42,161	.75						
July.....	102	450,884	5,520	6,528	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						
September.....	99	463,704	7,072	6,540	272,118	278,049	244,924	227,167	95	18,707	.62	63	70	53,819	.75						
Monthly average, January through September:																					
1929.....	118	601,810	3,915	8,478	295,049	300,237	368,908	416,900	162	29,374	1.01	81	57	51,949	1.26						
1930.....	91	457,075	5,474	6,521	238,908	246,531	443,479	302,487	137	31,346	.77	57	54	45,281	1.08						
1931.....	97	460,263	7,185	6,582	230,131	243,357	287,354	298,081	112	30,793	.64	60	66	48,794	.75						

¹ Months do not contain same number of weeks.

Food Industries

PROCESSING of food products during September increased slightly over the preceding month, according to the seasonally adjusted index of the Federal Reserve Board; the total was about 7 per cent less than in the corresponding month of last year. The seasonally adjusted index of employment declined slightly in September, and was 6 per cent below a year ago.

Wholesale food prices recorded a small decline in September after two consecutive monthly increases, while the average for the month was about 18 per cent below that of the same month of last year.

Receipts of wheat in the primary markets showed a seasonal decline during September, and the total was 38 per cent less than in the corresponding month last year. Exports of wheat, including flour during September, were 37 per cent less than in the corresponding month last year, while there was no change from the preceding month. The number of barrels of flour produced in September was 16.5 per cent less than a year ago, while the total for the first nine months of the year was 10 per cent less than in the corresponding period in 1930.

Corn receipts in the principal markets were only half as large in September as in the same month last

year; the visible supply in the United States at the end of September was 20 per cent larger than for the corresponding period in 1930. The price of corn, as represented by No. 3 yellow at Chicago, has continued to decline during the past year, so that the average price in September was only 42 cents a bushel, compared with 94 cents a year ago.

Cattle receipts in the principal markets declined during September, and were 15 per cent less than in the corresponding month last year. Hog receipts increased seasonally during September, while the total volume was only slightly under that for the corresponding month in 1930. Meats in cold storage continued the seasonal decline, which began in the spring months, and which usually continues until November or December of each year.

Raw sugar imports decreased in September from the level of the preceding month; the total was 16 per cent less than in the corresponding month in 1930. Coffee imports were less during September than in the preceding month or the same month last year, while the monthly average of the first nine months of this year was 14 per cent larger than in the corresponding period in 1930.

FOODSTUFFS STATISTICS

Year and month	Food products industry				Wheat				Corn			Animal products				Thousands of long tons	Thousands of bags			
	F. R. B.		Crop marketings		Receipts, principal markets			Visible supply, United States, end of month			Receipts, principal markets		Visible supply, United States		Cattle receipts		Hog receipts			
	Production adjusted	Employment adjusted	Monthly average, 1923-1925=100	Wholesale prices	Monthly average, 1923-1925=100	Millions of bushels			Dollars per bushel	Millions of bushels	Dollars per bushel	Thousands	Price, No. 3 yellow, Chicago	Total meats, cold-storage, end of month	Total raw sugar imports	Total coffee imports				
1929: September-----	98	99.9	103.2	168.4	98.7	47	199	18	1.27	20	5	1.01	2,105	3,089	886	413	925			
1930:																				
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	1,042	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	103.0	105.2	104	218	17	.47	16	9	.57	1,488	2,511	946	413	1,100			
August-----	88	88.1	73.7	83.9	94.3	61	243	12	.51	11	8	.46	1,821	2,454	798	532	884			
September-----	89	87.5	72.9	117.9	92.7	39	239	12	.56	8	6	.42	1,797	2,727	638	330	794			
Monthly average, January through September:																				
1929-----	99	99.8	99.8	91.1	90.9	43	136	12	1.16	22	20	.94	1,615	3,579	1,161	536	939			
1930-----	94	96.1	91.8	82.5	99.7	39	158	13	.98	21	13	.85	1,595	3,321	929	391	988			
1931-----	90	89.5	74.9	75.6	99.1	38	211	9	.65	15	14	.56	1,573	3,124	965	385	1,127			

Forest Products

ALTHOUGH industrial lumber consumption decreased substantially in September and car loadings of forest products were the lowest recorded in many years, lumber production has, in general, continued below the level of sales, and stocks in the hands of lumber manufacturers have been reduced about 10 per cent below a year ago.

The estimated lumber cut in September, according to the Federal Reserve Board index, reached a new postwar low point about 5 per cent below the August cut and a third below the same month a year ago. Current lumber production is about 40 per cent of the 1923-1925 average and about 35 per cent of normal as computed by the National Lumber Manufacturers' Association.

Employment and pay rolls declined slightly in September to new low points. Employment is at a level 20 per cent lower than a year ago and about 50 per cent under the 1923-1925 average, while pay rolls have declined somewhat more.

Marketings of forest products, which declined seasonally in September, continued at a rate slightly greater than that of a year ago, the present being, however, about 40 per cent below the 1923-1925 average rate. Naval stores marketings, which vary widely

from month to month due to seasonal influences, were in September about 16 per cent less than a year ago, but slightly greater than at this season in the 1923-1925 period.

Southern pine production and orders were at a new low point in September. Production continued at a lower rate than the volume of new orders received, and during the first nine months of this year amounted to only a little over half of the production during the same period a year ago.

Douglas fir production increased slightly in September as compared with the two preceding months (August figures include an extra week), while new orders increased as compared with August but declined from July. Present production is 23 per cent below a year ago. Unfilled orders at the end of the month showed the usual seasonal increase over August and are about 33 per cent below orders a year ago. Production thus far this year has been maintained below the rate of incoming orders, whereas on the average in this period a year ago production was running in excess of orders.

Car loadings of forest products after the sharp seasonal rise in August declined to the lowest point yet recorded, 36 per cent below September a year ago and almost 60 per cent below this month two years ago.

FOREST PRODUCTS STATISTICS

Year and month	General operations			Indexes of marketing		Southern pine			Douglas fir ¹			Hardwoods			Car-loadings, forest products	Furniture, unfilled orders, southeastern district	
	Lumber production ad-justed F. R. B.	Employment, ad-justed	Pay roll, unad-justed	Total forest products	Naval stores	Pro-duction	New orders	Un-filled orders	Pro-duction	New orders	Un-filled orders	Pro-duction	New orders	Un-filled orders			
Monthly average 1923-1925=100															Millions of feet board measure		
1929: September-----	92	89.1	96.6	80.3	157.0	-	-	-	316	293	300	334	323	678	252	-	
1930:																	
September-----	57	62.4	60.9	60.1	158.2	207	206	112	200	218	176	161	176	475	162	43,680	
October-----	54	62.1	60.4	68.1	143.1	211	213	109	208	203	138	158	134	466	159	29,117	
November-----	47	60.4	54.7	62.9	112.9	185	177	105	192	186	176	143	133	432	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	189	456	156	31,781	
February-----	45	56.3	45.6	55.8	25.5	154	171	107	179	189	182	158	188	451	138	34,160	
March-----	50	55.7	46.2	60.9	39.7	165	174	113	188	217	197	163	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	68.3	136.5	148	158	84	207	189	136	146	158	431	165	19,338	
June-----	49	54.4	44.6	67.4	189.9	127	140	78	200	191	163	143	176	419	125	56,865	
July-----	44	52.0	41.7	65.6	186.7	122	147	83	149	181	166	109	139	402	106	47,997	
August-----	40	51.1	41.3	66.3	141.5	120	151	85	172	188	111	101	131	375	138	47,706	
September-----	38	49.4	40.3	60.9	132.8	117	138	74	155	159	125	-	-	-	104	42,180	
Monthly average, January through September:																	
1929-----	92	89.3	91.0	87.1	122.6	-	-	-	331	343	336	315	311	645	282	-	
1930-----	72	72.2	69.3	69.1	121.7	240	221	160	255	252	217	220	181	575	213	40,141	
1931-----	46	54.0	43.8	62.8	109.8	143	160	94	179	192	164	-	-	-	134	37,564	

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

Miscellaneous Industries

LEATHER

CONTRARY to the usual seasonal trend, operations in the leather and shoe industries decreased during September, with the result that the Federal Reserve Board's adjusted production index dropped almost 6 per cent in comparison with August. The industry, however, was still operating on a plane about 3 per cent above September last year. Employment in the industry decreased by 4 per cent during the month, after seasonal adjustments are made, and the unadjusted pay-rolls index dropped about 10 per cent.

PAPER AND PRINTING

Employment in the paper and printing group decreased by 2 per cent during September, after adjustments are made for seasonal variation. Pay rolls declined by 2.9 per cent from the August figure and were 15 per cent under September last year. Production of newsprint paper increased about 3 per cent, but was about 4 per cent under the same month last year. During the first three-quarters of the year

the average monthly production was almost 12 per cent under the same period in 1930 and almost 16 per cent under 1929.

NONFERROUS METALS

Production of nonferrous metals during September was on about the same level as during August, after seasonal adjustments are made. Employment, however, declined slightly and pay rolls decreased about 5 per cent from the August figure. Copper production decreased slightly less than seasonally, and was 31 per cent under September, 1930. Lead production and tin deliveries also decreased during September as compared with August.

FUELS

Bituminous coal production increased by about the normal seasonal proportions during September, but the production was still about 17 per cent under September, 1930, a reflection of the curtailed factory operations. Anthracite production increased by almost 7 per cent, after seasonal adjustments are made.

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		Production	Consumption by publishers		Adjusted	Unadjusted	Pay rolls, unadjusted	Production	Deliveries				
	Monthly average 1923-1925=100	Millions of pairs	Millions of pounds	Monthly average 1923-1925=100	Thousands of short tons			Monthly average 1923-1925=100				Short tons	Long tons	Thousands of short tons	Millions of barrels	
1929: September.....	110	35	23	130	108	193	126	100.1	98.6	112.1	92,538	58,106	8,120	45,334	6,543	87
1930: 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	66.4	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	29	19	109	100	157	65	64.2	63.4	54.5	46,503	32,157	5,100	29,790	3,954	78
August.....	104	33	20	105	88	146	64	63.1	62.3	52.9	47,246	34,144	5,270	30,534	4,314	68
September.....	98	31	-----	-----	91	152	64	62.5	61.7	50.2	47,012	31,966	5,015	31,919	4,358	-----
Monthly average, January through September:																
1929.....	105	30	23	126	116	186	129	103.0	103.5	119.3	99,690	59,515	7,807	43,251	5,845	84
1930.....	98	27	24	116	110	176	100	80.1	80.5	83.4	73,528	52,529	6,320	37,738	5,573	77
1931.....	97	28	-----	-----	97	162	71	65.7	66.0	60.0	51,646	36,515	5,682	31,338	4,908	-----

UNITED STATES POSTAL SAVINGS¹

[Thousands of dollars]

Months	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
Balance to credit of depositors															
January.....	115,846	143,759	171,899	160,384	163,656	144,608	131,478	130,302	133,551	134,462	141,490	148,931	153,517	165,061	278,353
February.....	120,939	145,734	175,662	160,387	163,356	144,610	132,001	132,172	131,115	135,418	143,812	151,054	154,807	167,902	202,059
March.....	125,425	148,043	176,829	159,240	161,249	144,018	132,213	132,815	133,919	135,355	146,368	151,956	154,962	169,527	302,658
April.....	127,943	147,135	174,673	158,230	158,697	142,322	132,291	132,547	133,283	135,290	147,075	152,242	154,295	170,152	313,775
May.....	131,360	146,977	169,730	158,136	155,395	139,959	131,751	133,207	132,890	134,495	147,412	152,032	153,846	171,241	325,028
June.....	131,955	148,471	167,323	157,276	152,390	137,736	131,671	132,814	132,173	134,179	147,359	152,143	153,645	175,272	2345,837
July.....	135,949	151,944	165,395	157,618	151,982	136,124	131,726	132,915	131,529	134,811	147,120	151,735	157,800	180,711	2370,827
August.....	140,158	156,373	164,756	159,675	151,778	135,482	132,502	132,938	132,120	135,726	147,924	152,219	160,094	186,519	2414,986
September.....	143,354	158,483	162,606	161,150	150,358	134,230	133,095	133,965	132,347	135,885	148,173	152,291	160,255	189,845	2460,915
October.....	142,258	159,671	161,174	162,810	148,537	133,478	133,149	134,125	132,690	136,857	148,720	153,141	161,583	192,543	-----
November.....	142,911	163,197	161,470	162,352	147,039	133,110	132,833	134,296	133,122	138,150	149,036	153,925	163,671	200,668	-----
December.....	143,193	167,655	161,373	163,434	145,569	132,236	131,447	133,822	133,680	139,497	148,538	153,909	164,276	245,379	-----
Balance on deposit in banks															
January.....	111,269	138,585	139,334	128,523	56,678	43,344	55,281	67,888	98,322	100,499	108,041	116,541	129,078	139,917	240,216
February.....	115,422	140,431	142,858	128,059	56,542	43,609	55,476	73,632	98,733	101,172	111,039	118,557	129,835	142,006	255,268
March.....	119,865	138,132	144,169	127,395	55,135	43,560	57,290	74,830	98,662	101,329	113,399	118,694	125,792	143,606	267,790
April.....	121,862	137,498	142,288	126,393	52,439	47,815	62,173	75,285	98,279	101,317	113,844	119,157	128,657	143,626	278,304
May.....	125,211	137,073	136,963	125,651	50,950	45,772	61,697	93,381	97,704	100,348	113,640	118,628	127,769	143,986	289,034
June.....	126,841	140,651	135,943	126,426	48,698	44,160	61,844	96,370	97,898	101,176	114,597	118,715	127,639	148,255	-----
July.....	130,569	143,496	133,476	124,190	47,574	42,128	61,592	96,085	97,054	101,216	114,216	114,685	125,962	132,516	153,984
August.....	134,498	147,634	132,381	126,169	47,738	48,659	62,481	97,465	97,370	102,153	115,164	127,526	134,712	158,706	-----
September.....	137,329	135,970	129,759	119,710	46,795	47,128	62,675	97,780	97,360	102,579	115,445	127,250	134,566	161,442	-----
October.....	136,419	136,843	128,680	113,403	45,956	47,937	63,923	98,642	98,072	103,603	115,642	127,961	135,324	164,055	-----
November.....	136,948	139,947	128,450	101,091	44,666	53,581	63,675	98,435	98,503	104,697	115,848	123,347	137,244	170,131	-----
December.....	138,641	145,958	129,891	56,057	43,992	56,371	62,946	98,499	99,904	106,606	115,812	123,998	138,161	209,509	-----
Deposits															
January.....	11,313	8,649	13,931	11,516	12,506	8,273	7,569	7,256	8,165	8,485	9,863	8,623	11,632	12,338	51,585
February.....	12,650	8,401	12,473	10,642	10,163	7,273	6,581	8,372	6,934	6,950	8,717	8,581	11,014	14,717	31,353
March.....	12,433	9,659	12,827	11,993	10,216	8,008	7,544	8,229	7,252	7,448	10,411	8,602	11,075	13,135	29,337
April.....	11,570	8,546	10,624	11,504	8,996	7,053	7,584	7,457	6,804	7,341	8,771	7,664	10,875	12,433	32,061
May.....	11,519	8,617	10,184	12,121	8,984	7,144	7,769	8,945	6,961	6,985	8,173	7,595	10,864	13,193	31,822
June.....	10,619	8,909	9,848	11,942	8,389	6,770	8,147	7,520	7,614	7,969	7,793	10,499	15,652	-----	-----
July.....	12,147	11,307	11,544	12,903	11,026	7,455	8,533	8,630	7,783	9,130	8,445	8,181	17,234	19,101	-----
August.....	12,195	12,152	12,500	12,324	10,184	7,706	8,640	8,458	7,945	8,067	8,503	7,715	14,013	18,631	-----
September.....	11,813	10,210	11,905	12,579	8,386	7,382	8,058	7,504	7,463	7,333	7,749	7,202	10,715	15,649	-----
October.....	10,288	9,013	11,301	12,981	7,809	7,177	7,926	7,812	7,639	8,011	8,172	8,189	12,082	14,783	-----
November.....	8,952	11,044	11,012	10,957	7,151	6,637	7,036	8,859	7,110	8,087	7,509	7,491	12,827	20,197	-----
December.....	8,716	13,076	11,140	12,078	7,404	6,459	6,960	6,663	7,989	9,074	7,145	7,709	11,570	58,879	-----
Total.....	134,220	119,583	139,379	144,040	111,214	87,362	92,349	93,755	89,663	94,525	101,432	95,345	144,450	228,808	-----
Withdrawals															
January.....	7,626	8,083	9,685	12,504	12,284	9,173	8,327	8,401	7,937	7,703	7,870	8,230	12,025	11,553	18,611
February.....	7,508	6,426	8,711	10,639	10,463	7,331	6,058	6,502	6,370	5,994	6,396	6,458	9,723	11,876	17,648
March.....	8,002	7,350	11,661	13,140	12,323	8,596	7,332	7,586	7,448	7,512	7,855	7,700	10,921	11,510	18,638
April.....	9,052	9,455	12,780	12,514	12,148	8,775	7,506	7,725	7,435	7,435	8,064	7,378	11,542	11,809	20,944
May.....	8,102	8,774	15,127	12,214	11,686	9,511	8,309	8,285	7,389	7,750	7,807	7,805	11,313	12,104	26,568
June.....	10,024	7,415	12,255	12,802	11,394	8,992	8,227	7,913	8,302	7,930	8,052	7,682	10,700	11,621	-----
July.....	8,153	7,838	13,472	12,562	11,434	9,067	8,479	8,579	8,428	8,497	8,683	8,590	13,128	13,661	-----
August.....	7,987	7,719	13,230	10,767	10,388	8,348	7,864	7,435	7,357	7,152	7,705	7,231	11,720	13,023	-----
September.....	8,617	8,100	14,055	11,103	9,807	8,634	7,465	7,476	7,236	7,173	7,500	7,130	10,553	12,223	-----
October.....	11,384	7,825	12,733	11,321	9,600	7,930	7,872	7,352	7,295	7,040	7,625	7,339	10,754	12,084	-----
November.....	8,299	7,518	10,715	11,415	8,630	7,004	7,352	6,988	6,678	6,794	7,192	6,706	10,739	12,072	-----
December.....	8,434	8,620	11,237	10,996	8,924	7,333	8,346	7,637	7,426	7,727	7,643	7,726	10,965	14,167	-----
Total.....	103,188	95,123	145,661	141,977	129,081	100,694	93,137	91,379	89,301	88,707	92,392	89,975	134,083	147,703	-----

¹ Compiled by the U. S. Post Office Department, showing balance to credit of depositors and balance on deposit in banks on last day of month. Data on postal savings are shown in greater detail in the annual reports of the Postmaster General.

² Estimated.

WEEKLY BUSINESS INDICATORS

[Weekly average, 1923-1925=100]

Item	1931			1930			1929			Item	1931			1930			1929		
	Oct. 24	Oct. 17	Oct. 10	Oct. 25	Oct. 18	Oct. 11	Oct. 26	Oct. 19	Oct. 12		Oct. 24	Oct. 17	Oct. 10	Oct. 25	Oct. 18	Oct. 11	Oct. 26	Oct. 19	Oct. 12
*Composite index, N. Y. Times	66.2	66.4	68.0	81.5	81.5	82.5	102.6	105.3	104.4										
*Composite index, Business Week	67.9	70.5	72.5	83.8	84.8	87.2	101.7	101.4	105.5										
Detroit employment		46.1		78.0			67.5												
Production:																			
Beehive coke	10.2	9.0	17.6	15.5	14.7	39.2	42.9	44.9											
Bituminous coal	83.6	80.5	107.3	94.7	97.4	119.3	116.5	120.9											
Building (new awards)	50.3							104.8											
Electric current	99.4	99.4	99.2	104.9	103.8	103.5	109.5	108.0	108.4										
Petroleum	114.3	117.0	102.8	114.2	211.8	8113.8	137.8	139.4	136.2										
Steel ingots	36.8	36.8	38.2	65.8	64.7	72.4	105.3	105.3	103.9										
Receipts:																			
Cattle and calves	110.9	104.4	103.2	129.1	111.7	107.3	133.5	121.2	106.0										
Cotton	286.5	324.9	9296.2	5325.0	5353.5	5388.1	3362.7												
Hogs	77.7	72.6	69.2	74.0	67.5	70.3	88.6	80.3	72.3										
Wheat	73.8	69.5	59.0	73.1	85.2	100.8	117.3	92.9											
Distribution: Car loadings	79.4	79.7	100.1	67.1	69.6	118.3	123.7	123.0											
Wholesale prices:																			
Copper, electrolytic	49.3	49.3	49.3	67.4	70.3	71.0	129.0	129.0	129.0										
Cotton, middling spot	25.7	23.2	21.3	40.4	37.5	37.9	67.6	66.2	68.4										

* Relative to a computed normal taken as 100.

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

WEEKLY BUSINESS STATISTICS

Item	1931			1930			1929			Item	1931			1930			1928		
	Oct. 24	Oct. 17	Oct. 10	Oct. 25	Oct. 18	Oct. 11	Oct. 26	Oct. 19	Oct. 12		Oct. 27	Oct. 20							
PRODUCTION AND DISTRIBUTION																			
Bituminous-coal production	thous. tons			8,145		7,848	10,453		9,495	11,625		11,354		11,787		11,248		10,832	
Building contracts (da. av.)	38 States	thous. dolrs.		8,076						16,825									
Electrical current output	mill. of kw. hours			1,647	1,656	1,653	1,747		1,729	1,724	1,824	1,799	1,806	1,678	1,665				
Exports:																			
Corn	thous. of bush.			146		2	50		6	135		187		102	77	164			
Wheat	thous. of bush.			4,593	2,184	2,316	666	1,352	2,047	1,140	2,382	2,054	2,898	2,578	2,038	2,335			
Wheat flour	thous. of bbls.			149		142	161	289	212	252	361	212	203	338	309	504			
Freight cars:																			
Loadings, total	cars			761	719	763	864	959	335	931	105	954	782	1,134	360	1,185	564	1,179	540
Coal and coke	cars			157	509	144	932	201	322	168	225	185	657	216	472	212	818	220	514
Forest products	cars			24	788	24	642	38	929	39	032	39	228	62	634	66	439	67	600
Grain and grain products	cars			36	718	36	707	41	517	37	884	40	571	43	013	46	817	53	070
Livestock	cars			29	612	28	121	35	361	32	044	31	319	38	772	38	520	35	686
Merchandise l. c. i.	cars			215	116	217	539	240	008	238	153	242	634	270	414	271	809	270	620
Miscellaneous	cars			276	503	288	646	366	230	376	250	452	527	486	901	478	512	456	642
Ore	cars			21	480	23	277	35	968	39	517	50	228	62	618	61	410	59	389
Net available surplus (da. av.)	cars			553	602	544	677	402	637	401	659	396	291	124	194	111	082	107	301
Petroleum production (da. av.)	thous. of bbls.			2,381	2,437	2,163	2,378	2,371		2,367	2,870	2,903	2,838	2,270	2,524	2,524	2,524	2,524	2,504
Receipts:																			
Cattle and calves (12 markets)	thousands			379		330	326	408		339	422		383		335		402		394
Cotton into sight	thous. of bales			745		843	915	770		845	919		996		943		801		937
Wheat, primary markets	thous. of bush.				5,864		5,524	4,690		5,810	6,770		8,720		9,223		14,995		22,753
Wool, total, Boston	thous. of lbs.			900		4,818	1,580	1,608	7,815	1,295	4,615	2,041	1,781	1,021	1,021	1,021	1,021	1,021	892
Steel-ingot production	per ct. of capacity			28		28	29	50	52	55	80	80	79	87	86	86	86	86	86
WHOLESALE PRICES																			
Chemical index	rel. to 1924			106.3	105.3	106.3	107.2	107.2	107.2	112.5		112.5	112.5	108.2	108.2	108.2	108.2	108.2	108.7
Copper ingots, electrolytic, New York	dolls. per lb.			.068	.068	.068	.093	.093	.098	.178		.178	.178	.152	.152	.152	.152	.152	.150
Cotton middling, spot, New York	dolls. per lb.			.070		.063	.058	.110	.102	.103		.184	.184	.186	.186	.186	.186	.186	.201
Food index (Braddock's)	dolls. per lb.			2.15		2.16	2.15	2.75	2.74	2.75		2.75	2.75	3.25	3.25	3.25	3.25	3.25	3.34
Iron and steel composite	dolls. per ton			30.78		30.82	32.14	32.24	32.24	32.24		32.24	32.24	36.16	36.16	36.16	35.63	35.63	35.57
Wheat, No. 2, hard winter, Kansas City	dolls. bu.			48		.47	.42	.76	.73	.75		1.17	1.21	1.25	1.25	1.25	1.07	1.07	1.09
FINANCIAL																			
Bank debits:																			
New York City	mills. of dolls.			4,444		4,097	6,436	6,878	6,979	7,416	12,091		11,086	12,283	10,396	9,173			
Outside New York City	mills. of dolls.			4,170		3,625	4,900	5,543	5,042	5,483	7,244		6,558	6,163	6,163	6,269			
Bond sales, New York Stock Exchange:																			
United States Government	thous. of dollars			10,630		14,941	10,961	1,297	1,391	1,883		3,285	2,240	1,002	4,291	2,458			
Average price 40 corporation bonds	dollars			84.85		85.40	86.23	96.02	96.47	96.88		93.61	92.89	92.14	96.66	96.58			
Business failures	number			551		532	518	491	460	473		455	359	368	497	486			
Federal reserve banks:																			
Bills discounted	mills. of dolls.			698		628	463	192	210	173		796	849	857	912	936			
Total reserves	mills. of dolls.			2,927		2,994	3,193	3,168	3,126	3,126		3,190	3,158	3,162	2,778	2,709			
Federal reserve reporting member banks:																			
Total loans and discounts	mills. of dolls.			13,541		13,810	13,858	16,716	16,864	16,813		17,500	17,397	17,269	15,972	15,989		</td	

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.

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<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930			
	Septem- ber	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	
INDUSTRIAL PRODUCTION														
Federal Reserve Board														
Total, unadjusted.....rel. to 1923-25.....	77	78	80	83	89	90	89	87	82	78	85	90	92	
Total, adjusted.....rel. to 1923-25.....	70	79	83	84	89	89	87	86	82	82	84	87	91	
Manufactures, total unadjusted rel. to 1923-25.....	77	77	79	82	90	91	91	88	81	76	84	88	91	
Manufactures, total adjusted.....rel. to 1923-25.....	76	79	83	84	89	89	87	86	81	80	84	85	90	
Automobiles.....rel. to 1923-25.....	39	52	61	65	77	77	67	68	63	83	74	49	62	
Cement.....rel. to 1923-25.....	95	102	108	112	96	90	81	80	84	83	86	97	111	
Food products.....rel. to 1923-25.....	89	88	88	83	91	96	87	92	93	89	94	94	96	
Iron and steel.....rel. to 1923-25.....	46	51	59	64	72	75	78	73	64	59	65	75	85	
Leather and shoes.....rel. to 1923-25.....	98	104	101	101	107	102	92	87	77	81	80	89	96	
Nonferrous metals.....rel. to 1923-25.....	64	64	65	68	73	73	77	79	78	85	87	95	97	
Paper and printing.....rel. to 1923-25.....	105	109	108	113	110	110	111	107	101	101	103	107	109	
Petroleum refining.....rel. to 1923-25.....	165	162	161	163	161	152	149	144	149	149	151	160	165	
Polished plate glass.....rel. to 1923-25.....		91	91	112	117	119	111	90	90	65	91	101	95	
Auto tires and tubes.....rel. to 1923-25.....	90	112	126	123	107	98	94	88	73	77	88	84	84	
Textiles.....rel. to 1923-25.....	99	100	102	97	101	98	97	93	86	87	93	91	88	
Tobacco manufactures.....rel. to 1923-25.....	118	122	133	137	134	131	132	121	128	119	129	125		
Minerals, total unadjusted.....rel. to 1923-25.....	79	82	85	85	84	83	82	84	86	89	95	104	100	
Minerals, total adjusted.....rel. to 1923-25.....	74	79	84	85	86	92	87	88	90	94	92	98	94	
Anthracite.....rel. to 1923-25.....	65	61	57	66	71	84	72	89	93	93	83	105	80	
Bituminous coal.....rel. to 1923-25.....	70	70	74	74	75	77	76	73	77	85	86	87	85	
Copper.....rel. to 1923-25.....	60	59	59	67	68	69	70	76	72	76	83	83	89	
Crude petroleum.....rel. to 1923-25.....	94	107	122	122	122	121	112	110	110	111	114	115	114	
Iron-ore shipments.....rel. to 1923-25.....	51	59	55	46	27	0	0	0	0	0	51	74	79	
Lead.....rel. to 1923-25.....	61	64	60	78	71	79	82	83	92	83	94	101		
Silver.....rel. to 1923-25.....	45	42	46	51	54	54	63	62	68	71	73	70	73	
Zinc.....rel. to 1923-25.....	49	49	49	54	54	61	65	65	65	68	70	90	93	
Industrial Consumption of Electrical Energy														
Consumption by geographic sections:														
United States.....rel. to 1923-25.....	100.4	97.3	97.9	101.7	109.8	106.4	108.2	110.3	97.6	99.1	105.4	103.2	110.7	
New England.....rel. to 1923-25.....	97.0	89.9	100.0	98.4	104.4	109.4	105.8	105.5	90.2	86.3	96.3	93.2	88.1	
North Central.....rel. to 1923-25.....	92.6	90.0	92.1	102.7	109.2	105.0	105.7	109.0	100.2	99.0	100.6	107.3	110.6	
Middle Atlantic.....rel. to 1923-25.....	104.0	99.5	95.7	91.5	101.3	97.6	102.8	108.0	96.6	97.5	103.5	99.6	103.1	
Southern.....rel. to 1923-25.....	113.8	112.8	117.5	114.3	118.2	108.6	117.5	130.6	105.8	116.4	113.4	118.4	120.1	
Western.....rel. to 1923-25.....	102.3		96.8	106.4	119.1	114.0	115.7	120.0	111.0	99.9	121.3	116.1	130.9	
Consumption by industries:														
All industry.....rel. to 1923-25.....	100.4	97.3	97.9	101.7	109.8	106.4	108.2	110.3	97.6	99.1	104.3	103.2	110.7	
Automobiles, including repair parts.....rel. to 1923-25.....	53.7	43.6	55.9	71.3	89.7	90.8	94.1	88.9	67.5	71.5	74.9	80.9	88.4	
Food and kindred products.....rel. to 1923-25.....	142.0	146.4	147.0	136.2	126.8	122.0	116.8	112.9	118.3	107.1	124.4	137.2	148.6	
Leather and its products.....rel. to 1923-25.....	81.9	77.1	83.8	85.4	81.0	83.9	71.2	76.1	71.6	68.7	73.0	84.9	73.5	
Lumber and its products.....rel. to 1923-25.....	82.2	79.4	76.9	86.3	97.2	91.5	93.2	84.2	82.6	73.3	86.5	77.1	105.6	
Metals group.....rel. to 1923-25.....	76.2	75.0	74.5	81.5	98.5	99.5	112.2	114.0	97.4	102.3	99.5	101.2	101.4	
Metal-working plants.....rel. to 1923-25.....	75.0	73.3	69.3	78.6	94.0	94.6	103.5	112.3	95.0	97.8	89.6	87.0	97.4	
Rolling mills and steel plants.....rel. to 1923-25.....	78.3	78.0	83.1	86.6	106.8	108.1	119.4	116.5	103.4	110.2	106.5	126.0	110.3	
Paper and pulp.....rel. to 1923-25.....	138.3	121.7	104.0	112.4	135.1	109.6	123.0	127.0	111.8					

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
STOCKS AND ORDERS													
New orders, total.....rel. to 1923-25.....	48.4	48.1	56.0	52.9	60.4	58.2	49.8	51.2	48.7	48.7	56.6	60.0	
Stocks, total.....rel. to 1923-25.....	142.5	137.7	134.2	134.1	139.2	143.9	150.7	153.3	156.3	163.7	161.8	157.2	144.6
Manufactured goods.....rel. to 1923-25.....	111.0	113.4	117.1	118.2	118.5	119.4	119.5	119.9	119.5	120.1	118.6	118.4	118.2
Raw materials.....rel. to 1923-25.....	165.3	155.2	146.5	145.6	154.1	161.7	173.2	177.4	182.8	194.5	192.6	184.8	163.5
Unfilled orders, total.....rel. to 1923-25.....	50.1	53.9	55.2	56.1	59.8	61.2	60.2	61.8	61.8	61.8	58.7	58.6	63.0
COST OF LIVING													
All groups.....rel. to 1923.....	85.6	85.9	85.9	85.9	86.9	88.2	89.1	89.6	91.1	92.6	93.9	94.8	95.4
Clothing.....rel. to 1923.....	78.5	78.6	78.6	79.9	80.7	82.0	83.2	84.4	84.6	86.6	87.7	88.8	90.5
Food.....rel. to 1923.....	81.7	81.9	81.5	81.0	82.8	84.9	86.5	86.9	90.9	93.9	96.8	98.8	99.7
Fuel and light.....rel. to 1923.....	90.1	89.6	89.3	89.1	89.1	90.6	92.5	92.7	92.9	92.9	92.7	92.1	
Housing.....rel. to 1923.....	80.7	81.5	82.0	82.6	83.5	84.1	84.6	85.3	85.9	86.7	87.5	88.0	88.7
Sundries.....rel. to 1923.....	95.4	95.5	95.8	95.5	95.9	96.8	96.8	96.9	97.2	97.4	97.6	97.8	97.6
PRICE INDEXES													
Department of Labor Indexes:													
All commodities (550).....rel. to 1926.....	69.1	70.2	70.0	70.0	71.3	73.3	74.5	75.5	77.0	78.4	80.4	82.6	84.2
Food (121).....rel. to 1926.....	72.9	73.7	73.1	72.4	72.9	75.6	76.7	77.1	80.1	81.8	85.7	88.6	89.2
Finished products (380).....rel. to 1926.....	74.0	74.6	74.0	74.0	75.1	77.1	78.4	79.3	80.5	81.9	83.7	85.6	86.8
Industrial group commodities—													
Building materials (57).....rel. to 1926.....	74.9	75.4	75.8	77.5	78.4	80.9	81.9	81.8	82.9	84.4	85.6	85.8	86.4
Chemicals and drugs (78).....rel. to 1926.....	74.8	75.5	77.3	77.9	79.1	80.1	81.9	82.2	83.6	84.8	85.2	86.0	86.6
Fuel and lighting (23).....rel. to 1926.....	63.3	62.3	58.2	58.1	60.9	61.6	64.5	69.6	69.8	70.5	71.8	75.1	76.3
Hides and leather products (40).....rel. to 1926.....	84.8	88.5	89.2	87.8	87.3	87.3	87.4	86.6	88.6	91.2	94.0	96.5	99.1
House furnishing goods (37).....rel. to 1926.....	84.7	87.5	88.0	88.6	89.2	90.8	90.8	90.8	91.1	91.3	95.2	95.3	95.4
Textile products (75).....rel. to 1926.....	62.9	64.2	65.4	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.8	75.5
Miscellaneous (25).....rel. to 1926.....	58.4	58.5	61.0	61.8	62.8	63.9	64.7	63.9	64.7	66.9	67.8	68.8	69.7
All except farm and food products (384).....rel. to 1926.....	72.0	72.3	71.8	71.9	73.2	74.2	75.6	77.1	77.8	79.0	80.1	81.5	82.8
Raw materials (108).....rel. to 1926.....	62.7	64.1	64.3	64.7	66.5	68.3	69.4	70.6	72.9	74.2	76.8	80.0	82.1
Semimanufactured articles (62).....rel. to 1926.....	66.3	68.3	69.5	68.5	68.9	71.1	72.2	72.3	73.4	74.3	75.6	75.5	76.5
Bradstreet's Index.....rel. to 1926.....	64.2	65.7	68.0	67.9	66.9	69.0	71.4	71.0	72.0	73.6	76.1	77.8	79.7
Dun's Index.....rel. to 1926.....	72.3	75.1	77.2	77.7	77.3	79.2	80.9	81.4	82.7	84.7	86.4	87.6	89.2
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	2.00	2.42	3.00
Aluminum No. 1, Virgin 98-99.....dolls. per lb.....	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	.2290	
New York.....dolls. per lb.....	.0400	.0400	.0424	.0438	.0438	.0488	.0488	.0517	.0525	.0601	.0738	.0769	.2290
Aluminum, scrap cast, New York.....dolls. per lb.....	.50	.45	.42	.39	.45	.48	.44	.44	.44	.47	.48	.52	.53
Barley, No. 2, Minneapolis.....dolls. per bu.....	.152	.154	.157	.158	.165	.172	.174	.171	.173	.178	.176	.169	.176
Brass sheets, mill.....dolls. per lb.....	10.00	10.00	10.00	10.00	10.25	10.25	10.00	10.00	10.00	9.50	9.50	9.50	
Brick, common, red, New York.....dolls. per thou.....	.33	.28	.25	.23	.24	.26	.29	.28	.29	.32	.36	.40	
Butter, common, New York.....dolls. per lb.....	1.331	1.331	1.331	1.364	1.399	1.422	1.477	1.543	1.578	1.580	1.588	1.600	1.600
Cement, Portland (composite).....dolls. per lb.....	.15	.16	.15	.14	.14	.15	.16	.16	.17	.18	.19	.19	.20
Cheese, American whole milk, New York.....dolls. per lb.....	.056	.056	.063	.068	.061	.053	.056	.064	.068	.070	.079	.089	.072
Coffee, Rio, No. 7, Brazil grades.....dolls. per lb.....	.0699	.0729	.0770	.0803	.0867	.0929	.0985	.0972	.0984	.1030	.1011	.0960	.1031
Coal:													
Anthracite—													
Retail, composite.....dolls. per short ton.....	14.93	14.73	14.59	14.31	14.19	14.39	14.85	14.85	14.88	14.89	14.90	14.87	14.80
Wholesale, composite.....dolls. per short ton.....	13.083	12.796	12.614	12.413	12.270	12.202	12.608	12.732	12.732	12.751	12.751	12.762	12.707
Bituminous—													
Mine average (spot).....dolls. per short ton.....	1.62	1.58	1.58	1.56	1.60	1.64	1.69	1.77	1.77	1.77	1.78	1.81	1.75
Prepared sizes (composite).....dolls. per net ton.....	3.954	3.907	3.856	3.816	3.833	3.845	3.999	4.223	4.270	4.317	4.336	4.342	4.303
Retail, composite.....dolls. per short ton.....	8.17	8.11	8.09	8.00	8.04	8.46	8.71	8.83	8.87	8.94	8.94	8.88	8.79
Wholesale, composite.....dolls. per short ton.....	3.705	3.704	3.706	3.692	3.723	3.760	3.791	3.814	3.829	3.898	3.900	3.893	3.898
Coke, furnace, Connellsville.....dolls. per short ton.....	2.45	2.45	2.45	2.45	2.48	2.50	2.50	2.53	2.55	2.55	2.58	2.60	2.60
Cocoa, spot, Accra, New York.....dolls. per lb.....	.0463	.0525	.0581	.0563	.0494	.0535	.0550	.0563	.0619	.0675	.0688	.0675	.0670
Corn:													
No. 3, yellow, Chicago.....dolls. per bu.....	.42	.46	.57	.58	.56	.58	.60	.61	.65	.69	.71	.82	.94
No. 3, Kansas City.....dolls. per bu.....	.46	.45	.53	.52	.52	.53	.54	.54	.59	.66	.69	.82	.89
No. 3, white, Chicago.....dolls. per bu.....	.44	.49	.58	.59	.56	.58	.60	.63	.68	.73	.76	.88	.97
Cotton:													
To producer.....dolls. per lb.....	.059	.063	.085	.077	.088	.093	.096	.091	.086	.087	.096	.092	.099
In New York, middling.....dolls. per lb.....	.065	.072	.093	.090	.093	.102	.109	.110	.102	.101	.110	.107	.109
Cottonseed oil, refined, yellow, prime, New York.....dolls. per lb.....	.044	.059	.069	.068	.069	.076	.070	.073	.073	.072	.076	.076	.081
Cotton goods:													
Print cloth 64 x 0.....dolls. per yd.....	.041	.043	.049	.048	.050	.053	.055	.053	.052	.053	.057	.055	.053
Sheeting, brown.....dolls. per yd.....	.050	.052	.056	.054	.058	.059	.059	.065	.062	.065	.066	.066	.053
Cotton goods (Fairchild).....rel. to 1911-1913.....	.95	100	111	112	115	119	121	119	120	122	124	124	124
Cotton yarns:													
22/1 cones, Boston.....dolls. per lb.....	.201	.212	.225	.215	.223	.231	.240	.239	.248	.247	.254	.235	.242
40/15 southern spinning.....dolls. per lb.....	.326	.336	.352	.352	.353	.369	.382	.390	.390	.390	.405	.413	.420
Drugs and pharmaceuticals.....rel. to Aug., 1914.....	157	157	157	157	157	160	174	175	175	175	176	176	176
Drugs, crude.....rel. to Aug., 1914.....	118	118	118	128	130	131	130	131	133	137	137	137	139
Essential oils.....rel. to Aug., 1914.....	70	76	77	77	79	82	81	81	85	87	90	90	91
Flaxseed, No. 1, Minneapolis.....dolls. per bu.....	1.37	1.41	1.64	1.48	1.55	1.57	1.58	1.56	1.57	1.61	1.65	1.80	1.90
Flour, see under wheat flour.													
Food, wholesale, see under individual items.													
Food, retail (Dept. of Labor).....rel. to 1913.....	119.4	119.7	119.0	118.3	121.0	124.0	126.4	127.0	132.8	137.2	141.4	144.4	145.6
Hides:													
Green salted, packers'													
heavy native steers.....dolls. per lb.....	.090	.113	.120	.100	.085	.092	.090	.073	.095	.107	.118	.133	.146
Calfskins, country, No. 1.....dolls. per lb.....	.098	.129	.139	.129	.129	.135	.128	.117	.125	.144	.156	.172	.165

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931										1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September	
WHOLESALE PRICES—Continued														
Hosiery.....rel. to 1926..	48.6	48.6	48.6	48.6	50.8	50.8	51.9	51.9	51.9	58.3	58.3	60.5	62.6	
Iron and steel, metals and metal products.....rel. to 1926..	87.2	87.1	87.5	87.4	87.8	88.7	89.0	88.9	89.3	90.0	90.2	90.4	91.8	
Iron, raw:														
Basic (valley furnace)....dolls. per long ton..	15.50	15.50	15.50	15.50	16.25	16.50	16.50	16.75	17.00	17.00	17.00	17.00	17.60	
Basic (valley furnace).....rel. to 1926..	83.6	83.6	83.6	83.6	87.6	89.0	89.0	90.3	91.7	91.7	91.7	91.7	94.9	
Composite pig iron....dolls. per long ton..	16.32	16.38	16.38	16.40	16.64	16.75	16.72	16.82	16.94	17.01	17.14	17.30	17.79	
Foundry No. 2, northern.....dolls. per long ton..	18.76	18.76	18.76	18.76	18.76	18.76	18.26	18.51	18.76	18.76	18.76	18.76	18.89	
Foundry No. 2, northern.....rel. to 1926..	91.0	91.0	91.0	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.0	91.9	
Lard, prime contract, New York.....dolls. per lb..	.075	.075	.082	.083	.082	.090	.094	.085	.090	.100	.112	.119	.119	
Lead, pig, desilverized, New York.....dolls. per lb..	.0440	.0440	.0440	.0392	.0382	.0441	.0453	.0455	.0480	.0510	.0510	.0515	.0550	
Lead, pig, desilverized, New York.....rel. to 1926..	52.3	52.3	52.3	46.6	45.4	52.4	53.8	54.0	57.0	60.6	60.6	61.2	65.3	
Leather, composite, wholesale price.....rel. to 1926..	83.4	90.3	89.8	87.8	88.1	88.4	88.4	89.0	90.8	91.5	93.3	96.7	98.2	
Leather, sole and belting, oak, and scoured backs.....dolls. per lb..	.39	.40	.37	.37	.37	.37	.37	.37	.38	.40	.41	.41	.44	
Leather, sole and belting, oak, and scoured backs.....rel. to 1926..	89.0	91.3	84.4	84.4	84.4	84.4	83.3	86.7	91.3	93.5	93.5	100.4		
Leather, upper, composite, chrome, calf black, "B" grade.....dolls. per sq. ft..	.337	.348	.350	.352	.356	.356	.352	.354	.359	.355	.367	.372	.372	
Leather, hides (see under hides).														
Leather, shoes (see under shoes).														
Linseed oil, New York.....dolls. per lb..	.076	.083	.091	.086	.088	.092	.095	.092	.088	.092	.094	.099	.105	
Lumber:														
Composite, wholesale price.....rel. to 1926..	65.5	66.0	66.3	67.8	68.4	73.3	74.2	73.2	76.0	78.1	80.1	80.2	80.8	
Douglas fir, No. 1, common.....dolls. per M ft. b. m..	11.27	10.97	10.64	11.25	11.61	12.12	12.58	12.86	12.82	12.99	13.25	12.98	13.14	
Douglas fir, flooring, 1 x 4, "B" and better (V. G. Washington-top).....dolls. per M ft. b. m..	25.42	25.29	25.76	25.98	28.33	29.74	31.14	31.65	31.33	31.73	32.49	33.77	34.58	
Southern yellow pine.....rel. to 1926..	27.21	27.68	27.82	28.15	28.82	29.66	28.42	30.73	32.51	33.34	34.01	33.48		
Meats:														
Beef, fresh, carcass, good native steers, Chicago.....dolls. per lb..	.138	.114	.129	.129	.113	.169	.150	.178	.195	.195	.195	.195	.191	
Beef, fresh, carcass, good native steers, Chicago.....rel. to 1926..	90.2	87.9	78.6	78.8	86.8	97.1	102.2	108.1	118.3	118.8	118.8	118.8	116.1	
Beef, fresh, carcass, steers, New York.....dolls. per lb..	.165	.158	.145	.145	.155	.155	.149	.196	.205	.205	.205	.205	.203	
Beef, fresh, carcass, steers, New York.....rel. to 1926..	93.7	92.3	84.9	85.9	105.8	105.8	105.4	115.9	120.1	120.1	120.1	120.1	118.6	
Cattle, corn-fed, Chicago.....dolls. per 100 lbs..	8.536	8.929	7.250	7.329	7.75	7.85	7.85	8.475	9.199	10.00	10.73	10.31	9.97	
Cattle, corn-fed, Chicago.....rel. to 1926..	99.8	99.5	101.1	78.7	99.7	99.7	95.2	105.2	111.6	118.2	111.6	113.4		
Hogs, heavy, Chicago.....dolls. per 100 lbs..	5.71	6.23	6.24	6.36	6.43	7.0	7.18	7.73	7.34	7.91	8.36	9.84	10.53	
Hogs, heavy, Chicago.....rel. to 1926..	46.3	51.4	50.5	51.8	51.3	52.3	52.2	54.5	56.5	64.3	71.5	79.9	85.8	
Sheep, ewes, Chicago.....dolls. per cwt..	1.63	1.68	2.56	1.55	2.15	2.15	2.26	3.73	3.69	3.44	2.93	3.35	3.34	
Sheep, ewes, Chicago.....rel. to 1926..	24.3	30.0	33.9	28.5	37.9	36.0	35.5	55.9	52.1	51.2	51.2	43.1	40.6	
Sheep, lambs, Chicago.....dolls. per lb..	3.94	6.05	6.05	6.38	6.50	8.76	8.27	8.31	7.98	7.40	7.13	7.03	7.35	
Sheep, lambs, Chicago.....rel. to 1926..	42.3	43.4	43.2	59.9	61.0	70.4	66.7	65.3	54.0	52.0	51.3	43.6		
Pork, hams, smoked, Chicago.....dolls. per lb..	.186	.185	.173	.174	.182	.184	.157	.195	.207	.214	.222	.221	.221	
Pork, hams, smoked, Chicago.....rel. to 1926..	60.3	69.4	53.4	56.6	56.2	59.7	60.7	63.5	67.1	69.2	71.1	71.7	73.8	
Western dressed steers, New York.....dolls. per lb..	.165	.158	.145	.145	.155	.172	.184	.196	.205	.205	.205	.205	.203	
Methanol:														
Refined.....dolls. per gal..	.35	.35	.35	.35	.35	.40	.40	.40	.40	.40	.40	.40	.49	
Milk, condensed, New York.....dolls. per case..	4.75	5.90	5.65	5.65	5.65	5.65	5.79	6.03	6.07	6.63	6.63	6.63	6.63	
Milk, evaporated.....dolls. per case..	3.00	3.00	3.10	3.20	3.30	3.50	3.50	3.75	3.80	3.80	3.80	3.80	3.80	
Nonferrous metals.....rel. to 1926..	56.8	58.0	52.4	56.9	60.6	65.1	67.1	65.1	67.4	69.7	68.4	67.8	71.2	
Oats:														
No. 3, white, Chicago.....dolls. per bu..	.22	.21	.23	.27	.28	.30	.31	.32	.32	.34	.33	.36	.38	
No. 3, white, Chicago.....rel. to 1926..	55.7	51.2	56.1	63.9	65.3	73.2	75.6	73.0	78.0	82.9	80.5	87.8	92.7	
Oil and fats.....rel. to 1927..	51	32	63	64	68	72	71	68	71	73	74	78		
Oleomargarine, standard, uncolored, Chicago.....dolls. per lb..	.119	.105	.106	.110	.123	.143	.145	.155	.177	.190	.205	.205	.205	
Oleomargarine, standard, uncolored, Chicago.....rel. to 1926..	52.1	46.0	46.5	48.2	55.9	63.5	63.5	67.9	77.6	83.3	89.8	89.8	89.8	
Paper, newsprint roll, delivered, New York.....dolls. per 100 lbs..								3.10	3.10	3.10	3.25	3.25		
Paper, newsprint roll, delivered, New York.....rel. to 1926..								89.9	89.9	89.9	94.2	94.2		
Petroleum:														
Crude, Kansas-Oklahoma.....dolls. per bbl..	.560	.434	.238	.300	.530	.594	.850	.850	.850	.850	1.098	1.178		
Crude, Kansas-Oklahoma.....rel. to 1926..	29.7	23.0	12.6	15.9	28.1	31.5	45.1	45.1	45.1	45.1	58.3	62.5		
Gas and fuel oils, Oklahoma 24-26, refineries.....dolls per bbl..														
Gasoline, New York.....dolls. per gal..	.143	.133	.133	.133	.133	.138	.138	.135	.141	.141	.143	.148		
Kerosene, 150° water white.....dolls. per gal..	.039	.038	.038	.042	.045	.048	.051	.053	.054	.054	.054	.053		
Lubricating oil, cylinder.....dolls. per gal..														
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		
Pig iron, foundry No. 2, Pittsburgh.....rel. to 1926..	91.0	91.6	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.6	94.9			
Potatoes.....dolls. per bu..	.601	.767	.825	.753	.870	.908	.849	.867	.903	.898	.950	1.017	1.099	
Potatoes.....rel. to 1926..	32	41	44	41	47	49	46	47	49	48	51	.55	.59	
Rayon, 150 denier "A" grade, New York.....dolls. per lb..	.75	.75	.75	.75	.75	.75	.75	.75	.75	.95	.95	.95		
Rosin, gum, New York.....dolls. per bbl..	3.87	3.94	4.28	4.68	4.70	4.73	4.64	4.38	4.45	4.95	5.29	5.54	5.80	
Rubber, crude, smoked sheets, New York.....dolls. per lb..	.050	.054	.063	.063	.064	.064	.077	.076	.082	.089	.084	.080		
Rubber, crude, smoked sheets, New York.....rel. to 1926..	10.3	11.1	13.0	13.0	13.2	15.9	15.7	16.9	18.4	18.4	17.3	16.5		
Rye, No. 2, Minneapolis.....dolls. per bu..	.39	.28	.37	.37	.36	.35	.36	.37	.38	.41	.43	.49	.55	
Rye, No. 2, Minneapolis.....rel. to 1926..	42.4	41.3	49.2	40.2	39.1	38.0	39.1	40.2	41.3	47.8	46.7	53.3	59.8	
Sheep, ewes, Chicago.....dolls. per 100 lbs..	1.63	1.98	2.55	1.55	2.44	3.29	3.79	3.60	3.44	2.93	3.38	3.84	3.08	
Sheep, ewes, Chicago.....rel. to 1926..	24.6	30.0	38.9	23.5	37.0	50.0	57.5	55.9	52.1	44.4	51.2	43.1	46.6	
Sheep, lambs, Chicago.....dolls. per 100 lbs..	5.94	5.95	6.06	6.98	8.26	8.76	8.27	8.31	7.98	7.40	7.13	7.03	7.35	

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931									1930			
	September	August	July	June	May	April	March	Febrary	January	December	November	October	September
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	4.35	4.49	4.60	4.60	4.60	4.60	4.60	4.72	4.85	4.85	4.85
Shoes, women's black kid, McKay sewed.....dolls. per pair..	3.150	3.150	3.150	3.250	3.250	3.250	3.250	3.250	3.250	3.450	3.550	3.550	3.550
Silk, raw, Japanese, 13-15, New York.....dolls. per lb..	2.315	2.512	2.364	2.463	2.266	2.266	2.561	2.709	2.807	2.709	2.463	2.512	2.413
Silk goods, composite.....dolls. per yd..	.98	.98	.98	.99	.99	.99	.99	1.00	1.02	1.02	1.02	1.02	1.04
Steel beams, mill, Pittsburgh.....dolls. per cwt..	1.60	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60
Steel beams, mill, Pittsburgh.....rel. to 1926..	81.7	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7
Steel, crude: Composite, finished steel.....dolls. per 100 lbs..	2.20	2.19	2.20	2.19	2.21	2.22	2.23	2.22	2.22	2.19	2.20	2.22	2.24
Iron and steel, composite.....dolls. per long ton..	31.03	31.05	31.05	31.02	31.39	31.61	31.66	31.65	31.70	31.76	31.95	32.31	32.67
Steel billets, Bessemer.....dolls. per long ton..	29.00	29.00	29.00	29.00	29.50	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	82.9	84.3	85.7	85.7	85.7	87.4	88.6	88.6	88.6	88.6
Steel scrap, Chicago.....dolls. per gross ton..	8.200	8.375	8.750	8.750	8.875	9.813	10.000	10.063	10.219	10.000	10.125	11.375	12.500
Structural steel beams.....dolls. per 100 lbs..	1.60	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60
Structural steel beams.....rel. to 1926..	81.7	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7
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	104	102	102	104	106	107	107	107	107	107	106	107
Retail granulated, New York.....dolls. per lb..	.052	.053	.051	.050	.050	.050	.051	.053	.053	.053	.053	.053	.054
Wholesale, 96° centrif., New York.....dolls. per lb..	.034	.035	.035	.033	.032	.033	.033	.034	.033	.034	.034	.033	.031
Wholesale, 96° centrif., New York.....rel. to 1926..	78.3	80.0	80.4	76.5	73.5	75.6	75.8	76.3	77.0	75.8	78.8	76.3	72.1
Wholesale, granulated, New York.....dolls. per lb..	.045	.046	.046	.044	.043	.044	.043	.045	.046	.046	.047	.044	.043
Wholesale, granulated, New York.....rel. to 1926..	81.6	84.1	84.1	80.3	78.3	80.1	79.2	81.4	83.4	83.2	85.0	80.8	79.2
Tea, Formosa fine, New York.....dolls. per lb..	.223	.225	.225	.225	.225	.225	.225	.225	.225	.225	.225	.223	.224
Textiles, general.....rel. to 1926..	63.5	64.2	65.4	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.3	75.5
Tin, wholesale, straits, New York.....dolls. per lb..	.2468	.2375	.2502	.2341	.2320	.2512	.2707	.2631	.2610	.2527	.2589	.2686	.2964
Turpentine gum, New York.....dolls. per gal..	.37	.36	.39	.55	.54	.56	.53	.45	.44	.42	.43	.41	.44
Wheat: No. 1, northern spring, Minneapolis.....dolls. per bu..	.69	.65	.61	.74	.81	.79	.76	.75	.76	.77	.75	.82	.87
No. 1, northern spring, Minneapolis.....rel. to 1926..	43.7	41.1	38.6	46.8	51.3	50.0	48.1	47.5	48.1	48.7	47.5	51.9	55.1
No. 2, red winter, St. Louis.....dolls. per bu..	.47	.47	.48	.72	.79	.80	.78	.79	.78	.83	.83	.87	.88
No. 2, red winter, St. Louis.....rel. to 1926..	39.3	30.3	31.0	46.5	51.0	51.6	50.3	51.0	50.3	53.5	53.5	56.1	56.8
No. 2, hard winter, Kansas City.....dolls. per bu..	.43	.43	.44	.68	.73	.73	.70	.69	.69	.71	.69	.74	.78
No. 2, hard winter, Kansas City.....rel. to 1926..	28.9	28.9	29.5	45.6	49.0	49.0	47.0	46.3	46.3	47.7	46.3	49.7	52.3
Wheat flour: Standard patents, Minneapolis.....dolls. per bbl..	4.24	4.21	4.13	4.75	4.85	4.71	4.67	4.85	4.96	4.89	4.69	4.98	5.08
Standard patents, Minneapolis.....rel. to 1926..	50.3	49.9	49.0	56.3	57.6	55.9	55.4	57.6	58.9	58.0	55.7	59.1	60.3
Winter straight, Kansas City.....dolls. per bbl..	2.96	2.96	3.84	4.12	4.14	4.02	4.00	4.06	4.09	4.03	4.14	4.23	4.44
Winter straight, Kansas City.....rel. to 1926..	40.8	40.8	47.8	56.8	57.1	55.4	55.2	56.0	56.3	55.6	57.1	58.3	61.3
Wool: Raw, territory, fine, scoured.....dolls. per lb..	.62	.63	.62	.62	.63	.65	.66	.66	.68	.72	.72	.75	.76
Raw, Ohio and Pennsylvania, fleeces, 1/4 blood, combing grease.....dolls. per lb..	.22	.23	.21	.20	.20	.22	.22	.23	.26	.27	.29	.30	.31
Suiting, 13 oz.....dolls. per yd..	1.400	1.490	1.494	1.494	1.494	1.494	1.543	1.601	1.601	1.601	1.601	1.601	1.601
Suiting, 13 oz.....rel. to 1926..	69.8	74.5	74.5	74.5	74.5	74.5	77.0	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	.925	.968	1.050	1.050	1.050	1.050	1.050	1.093	1.100
Women's dress goods, French serge, 54-in., at factory.....rel. to 1926..	74.0	74.0	74.0	74.0	74.0	77.4	84.0	84.0	84.0	84.0	84.0	87.3	88.0
Worsted yarns.....dolls. per lb..	.950	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.17	1.20	1.20	1.20
Worsted yarns.....rel. to 1926..	66.2	69.7	69.7	69.7	69.7	69.7	69.7	76.6	76.6	81.8	83.6	83.6	83.6
Zinc, prime western.....dolls. per lb..	.0374	.0382	.0389	.0342	.0331	.0372	.0400	.0401	.0404	.0410	.0427	.0406	.0427
FARM PRICES													
Cotton and cottonseed (2).....rel. to 1909-14..	47	53	71	65	74	78	80	76	72	73	80	76	83
Dairy and poultry products (4).....rel. to 1909-14..	93	89	84	85	87	96	99	95	108	120	130	126	123
Fruits and vegetables (9).....rel. to 1909-14..	83	97	110	114	119	120	109	109	108	108	114	127	148
Grains (6).....rel. to 1909-14..	50	54	57	67	74	74	74	75	77	80	80	92	100
Meat animals (5).....rel. to 1909-14..	86	92	92	91	99	106	106	106	112	112	118	123	128
Unclassified (5).....rel. to 1909-14..	55	60	58	59	62	63	65	67	69	70	73	70	67
All groups (31).....rel. to 1909-14..	72	75	79	80	86	91	91	90	94	97	103	106	111
RETAIL PRICES													
Retail food index (Dept. of Labor).....rel. to 1913..	119.4	119.7	119.0	118.3	121.0	124.0	126.4	127.0	132.8	137.2	141.4	144.4	145.6
Retail coal index (Dept. of Labor).....rel. to 1913..	188.7	186.1	184.3	180.8	179.4	181.8	187.7	187.6	188.1	188.1	188.0	187.9	187.0
AUTOMOBILES													
Production index (Fed. Res. Bd.).....rel. to 1923-25..	39	*52	60	65	77	77	67	68	63	85	74	49	62
Production index (elect. energy consumed).....rel. to 1923-25..	53.7	43.6	55.9	71.3	89.7	90.8	94.1	88.9	67.5	71.5	74.9	80.9	88.4
Passenger cars and trucks: Production, actual—													
Canada—													
Total.....no. of cars..	2,646	4,544	4,220	6,835	12,738	17,159	12,903	9,871	6,496	5,622	5,407	4,541	7,957
Passenger cars.....no. of cars..	2,108	3,426	3,151	5,583	10,621	14,043	10,483	7,529	4,552	4,225	3,527	3,206	5,623
Trucks.....no. of cars..	538	1,118	1,069	1,252	2,117	3,116	2,510	2,342	1,944	1,397	1,880	1,335	2,334
United States—													
Total.....no. of cars..	140,566	187,197	218,490	250,640	317,163	336,939	276,405	219,940	171,848	155,701	136,754	154,401	220,649
Passenger cars.....no. of cars..	109,087	155,321	183,993	210,016	271,135	286,252	230,834	179,890	137,805	120,833	100,532	113,226	175,496
Taxicabs.....no. of cars..	141	104	180	360	340	665	410	529	512	1,125	609	582	930
Trucks.....no. of cars..	31,338	31,772	34,317	40,264	45,088	50,022	45,161	39,521	33,531	33,443	35,613	40,593	44,223

*Revised.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
AUTOMOBILES—Continued													
Electric industrial trucks and tractors:													
Shipments—													
Domestic.....number.....	39	37	63	50	69	48	84	50	33	42	37	91	77
Exports.....number.....	4	13	15	25	0	23	9	6	5	9	9	3	6
Exports (assembled):													
From Canada—													
Total.....no. of cars.....	690	740	934	1,021	1,512	1,172	1,853	1,565	3,054	3,645	2,588	2,868	6,641
Passenger cars.....no. of cars.....	557	542	644	789	1,083	763	1,327	881	1,798	2,103	1,260	2,003	4,293
Trucks.....no. of cars.....	133	198	290	232	429	409	526	684	1,256	1,452	1,328	865	2,348
From United States—													
Total.....no. of cars.....	8,748	8,055	9,996	10,182	12,966	16,727	17,528	13,374	12,833	14,198	12,078	11,215	13,437
Passenger cars.....no. of cars.....	4,577	5,699	6,478	5,843	8,468	11,228	11,526	9,187	8,304	9,096	6,039	7,136	8,125
Trucks.....no. of cars.....	4,171	2,356	3,518	4,340	4,498	5,499	6,002	4,187	4,534	5,102	6,039	4,079	5,312
Financing:													
United States—													
Wholesale dealers.....thous. of dolls.....	35,846	243,947	48,859	58,178	72,630	71,194	63,090	49,813	40,165	35,550	29,633	35,878	45,311
Total consumers.....thous. of dolls.....	68,332	279,641	95,953	104,698	109,426	113,045	92,055	66,181	61,734	65,967	60,197	81,256	90,297
New cars.....thous. of dolls.....	38,652	246,871	59,307	63,566	68,571	70,561	55,036	36,865	32,957	35,342	31,805	45,632	52,820
Used cars.....thous. of dolls.....	27,585	230,493	34,136	37,999	37,793	39,664	34,704	27,722	27,245	28,838	26,842	38,755	35,210
Unclassified.....thous. of dolls.....	2,094	2,277	2,509	3,133	3,062	2,920	2,315	1,593	1,532	1,787	1,550	1,869	2,267
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
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	
Used cars.....thous. of dolls.....	1,485	2,094	2,474	2,877	2,878	1,633	1,440	1,287	2,341	2,221	2,504	2,517	
New passenger-car registrations.....no. of cars.....	155,744	194,322	201,911	247,727	265,732	200,841	134,133	126,786	96,054	93,066	150,219	175,286	
Sales (General Motors Corp.):													
Total to consumers, U. S.no. of cars.....	51,740	69,876	85,054	103,303	122,717	135,663	101,339	68,976	61,566	57,989	41,757	57,757	75,805
Total to dealers, U. S.no. of cars.....	47,895	62,667	78,723	100,270	136,778	132,629	98,943	80,373	76,681	68,252	48,155	22,924	69,901
Total to dealers, including Canadian and overseas.....no. of cars.....	58,122	70,078	87,449	111,668	153,730	154,252	119,195	96,003	89,349	80,008	57,257	28,253	78,792
Fire-extinguishing equipment:													
Shipments—													
Motor vehicles.....number.....	64	81	72	90	75	72	76	69	56	113	71	96	86
Hand types.....number.....	28,720	26,334	29,895	29,696	31,117	32,538	34,248	29,280	27,713	34,295	29,213	36,303	37,482
Accessories and parts, shipments:													
Accessories.....rel. to Jan., 1925.....	66	66	57	61	61	66	65	53	46	55	63	79	76
Original equipment.....rel. to Jan., 1925.....	54	70	79	91	129	127	117	95	84	64	62	75	79
Replacement parts.....rel. to Jan., 1925.....	138	127	124	122	128	127	110	99	98	100	127	140	139
Service parts.....rel. to Jan., 1925.....	67	79	85	102	117	118	115	97	92	75	80	99	105
Rim production.....thous. of rims.....	505	924	813	1,085	1,508	1,718	1,425	1,011	681	567	920	864	1,052
CHEMICALS AND ALLIED PRODUCTS													
Production index (Fed. Res. Bd.)													
Petroleum refining.....rel. to 1923-25.....		165	162	161	163	161	152	149	144	149	151	160	165
Production index (elect. energy consumed).....rel. to 1923-25.....	144.6	137.6	137.7	132.7	133.8	137.4	139.3	146.6	132.0	133.5	145.0	122.4	147.1
Prices, wholesale.....rel. to 1926.....	74.8	75.5	77.3	77.9	79.1	80.1	81.9	82.2	83.6	84.8	85.2	86.0	86.6
Stocks, manufactured goods, end of month.....rel. to 1923-25.....	126.7	2118.5	119.2	123.3	129.3	129.0	132.0	130.7	128.8	123.9	124.2	125.2	121.3
Stocks, raw material, end of month.....rel. to 1923-25.....	101.2	285.3	86.7	87.9	88.4	91.5	96.5	103.2	107.7	124.2	128.5	132.7	120.0
Chemicals													
Acetate of lime:													
Production.....thous. of lbs.....		2,585	840	1,853	2,953	4,400	7,452	7,073	8,023	7,357	6,535	5,871	5,896
Shipments.....thous. of lbs.....	4,777	4,654	3,856	4,674	5,160	4,465	3,468	5,195	8,375	9,128	7,922	3,339	
Stocks, end of month.....thous. of lbs.....	18,196	20,389	24,203	26,206	27,927	28,687	25,701	22,095	19,266	20,285	22,878	24,928	
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	
Arsenic, crude:													
Production.....short tons.....	994	2,594	1,036	1,407	1,491	1,402	1,957	1,494	2,803	1,483	2,392	2,694	2,077
Stocks, end of month.....short tons.....	4,669	4,977	3,972	4,280	4,768	5,265	5,478	5,862	6,486	5,767	5,937	5,125	4,026
Arsenic refined:													
Production.....short tons.....	1,252	1,238	997	1,024	1,044	964	1,506	1,409	1,570	1,439	1,508	1,265	1,101
Stocks, end of month.....short tons.....	3,528	2,616	2,440	2,201	2,012	1,950	2,181	2,449	2,419	2,221	2,010	1,813	1,930
Ethyl alcohol:													
Production.....thous. of gals.....	12,952	12,363	11,975	13,120	11,162	11,929	8,859	11,869	17,770	20,861	18,455	14,299	
Warehouse stocks, end of month.....thous. of gals.....	15,885	17,024	14,888	14,711	13,074	11,633	11,008	9,442	6,858	8,304	8,898	10,010	
Withdrawn for denaturation.....thous. of gals.....	13,076	11,637	10,436	10,288	10,541	8,795	6,296	8,081	19,134	20,070	18,537	12,615	
Methanol, crude:													
Production.....gallons.....	129,507	154,473	182,273	247,808	322,049	483,222	465,723	522,656	469,312	424,736	372,939	288,876	
Stocks at crude plants, end of month.....gallons.....	395,907	452,489	526,543	494,192	520,865	415,489	395,855	302,320	244,763	215,443	331,729	513,239	
Stocks at refineries and in transit.....gallons.....	401,542	157,094	98,000	130,207	36,176	105,238	121,522	89,740	93,805	59,197	59,236	168,166	
Exports.....gallons.....	42,300	61,240	59,950	52,048	54,857	30,146	18,295	48,139	90,111	40,814	100,479	82,168	
Methanol, refined:													
Price, wholesale, New York.....dolls. per gal.....	.35	.35	.35	.35	.35	.40	.40	.40	.40	.40	.40	.40	
Production.....gallons.....	77,553	91,696	107,331	118,052	211,073	253,494	223,144	306,373	382,547	431,179	575,711	364,505	
Shipments.....gallons.....	130,751	122,846	110,454	257,707	141,801	199,500	221,279	167,309	372,352	477,029	541,807	440,514	
Stocks, end of month.....gallons.....	342,124	395,322	426,472	429,595	569,250	499,978	445,984	444,119	305,055	294,860	349,710	306,806	
Price index numbers:													
Crude drugs.....rel. to Aug., 1914.....	118	118	118	128	130	131	130	131	133	137	137	137	139
Essential oils.....rel. to Aug., 1914.....	70	76	77	77	79	82	81	80	85	87	90	90	91
Drugs and pharmaceuticals.....rel. to Aug., 1914.....	157	157	157	157	157	160	174	175	175	175	175	176	
Chemicals.....rel. to 1927.....	86	86	88	88	89	90	89	90	90	93	94	94	
Oils and fats.....rel. to 1927.....	51	62	68	64	68	72	71	68	71	73	73	74	
Plastic paints, cold-water paints, and calcimines:													
Sales: of—													
Plastic paints.....thous. of dolls.....	67	51	75	109	91	116	104	83	65	77	106	96	
Calcimines.....thous. of dolls.....	122	127	141	165	162	175	122	96	100	105	169	151	
Cold-water paints.....thous. of dolls.....	73	83	86	106	104	90	71	60	64	45	81	78	
Paint, varnish, and lacquer products:													
Total sales (315 establishments).....thous. of dolls.....	14,303	215,112	19,126	22,600	21,6								

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
CHEMICALS AND ALLIED PRODUCTS—Continued													
Chemicals—Continued													
Sulphuric acid:													
Production.....short tons.	102,352	110,529	92,505	79,773	105,230	116,447	116,153	163,647	184,636	186,656	185,472	197,739	172,529
Purchases													
From fertilizer manufacturers	12,988	13,412	14,700	25,176	26,365	16,424							
From nonfertilizer manufacturers	6,655	15,967	23,065	18,870	14,661	15,844	26,189	31,504	39,244	51,472	41,282	41,897	33,186
Exports.....thous. of lbs.	155,618	64,620	372,945	250,773	408,298	310,950	290,315	376,076	304,745	408,836	308,992	703,787	465,766
Price, wholesale 66°.....dolls. 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	15,500
Wood at chemical plants:													
Consumption.....cords.	13,500	12,123	11,364	10,323	21,141	31,458	48,307	44,983	51,393	46,814	42,888	37,913	31,018
Stocks, end of month.....cords.	337,917	326,500	338,824	353,839	379,592	370,149	357,783	333,770	443,067	478,962	455,597	481,268	
Daily capacity—													
All plants.....cords.	2,505	2,505	2,505	2,505	2,505	2,499	2,499	2,499	2,519	2,519	2,519	2,535	
Plants shut down.....cords.	1,499	1,325	1,008	752	632	388	409	368	412	560	559	1,180	
Cottonseed													
Cottonseed:													
Consumption (crush).....short tons.	451,624	69,143	19,739	44,164	57,034	155,373	280,637	401,756	589,911	609,264	801,260	936,743	2,564,320
Receipts at mills.....thous. of short tons.	575	95	13	32	37	41	111	153	219	578	803	1,323	2,049
Stocks at mills, end of month.....thous. of short tons.	484	60	23	33	45	95	207	377	626	991	1,083	1,081	2,760
Cottonseed cake and meal:													
Exports.....short tons.	10,260	3,590	1,301	225	797	6,535	5,750	3,147	11,084	7,538	1,350	4,361	2,092
Production.....short tons.	201,517	23,203	8,567	23,141	43,550	75,921	135,144	190,314	270,965	305,019	300,913	421,253	2,252,247
Stocks, end of month.....short tons.	118,845	106,358	150,291	192,136	223,064	233,009	303,915	303,201	343,665	298,139	252,323	202,156	2,117,078
Cottonseed oil, crude:													
Production.....thous. of lbs.	136,699	17,196	6,918	14,726	28,019	32,469	89,704	124,392	181,221	201,621	239,913	283,929	2,170,364
Stocks, end of month.....thous. of lbs.	69,745	12,065	3,891	13,919	32,510	43,048	69,878	104,910	127,739	114,248	114,595	110,829	2,79,175
Cottonseed oil, refined:													
Factory consumption—													
Total (quarterly).....thous. of lbs.	910	876	1,012	1,200	1,447	1,621	1,465	1,875	2,178	2,091	2,505	2,151	
In oleomargarine.....thous. of lbs.													
Price, yellow, prime, New York.....dollars per lb.	.044	.059	.060	.063	.069	.076	.076	.073	.073	.072	.076	.076	.081
Production.....thous. of lbs.	63,989	11,963	16,298	30,398	36,470	76,872	115,302	130,556	150,998	185,823	215,405	232,179	2,103,476
Stocks, end of month.....thous. of lbs.	173,945	212,371	277,922	318,438	406,237	402,881	494,503	494,882	461,776	428,609	350,260	254,571	2,174,520
Explosives													
Explosives, black powder, permissible and other high explosives:													
New orders.....thous. of lbs.	25,437	25,038	26,719	26,441	28,721	26,730	25,448	26,714	24,404	28,847	34,324	33,173	
Production.....thous. of lbs.	24,548	25,063	25,981	26,950	27,647	25,414	28,751	24,056	24,624	30,248	34,113	35,688	
Shipments.....thous. of lbs.	24,867	25,150	26,611	27,379	28,000	26,598	27,543	25,201	22,974	30,229	34,198	35,069	
Stocks, end of month.....thous. of lbs.	19,956	20,304	20,404	21,115	20,639	20,929	20,219	17,372	17,303	16,346	16,812	16,694	
Fats and Oils													
Animal fats (quarterly):													
Factory consumption.....thous. of lbs.													
Production.....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Animal glues:													
Production (quarterly).....thous. of lbs.													
Shipments.....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Coconut or copra oil:													
Factory consumption—													
Crude (quarterly).....thous. of lbs.													
Refined—													
Total (quarterly).....thous. of lbs.													
In oleomargarine.....thous. of lbs.	8,473	6,169	7,105	8,466	11,320	12,086	11,492	14,873	16,491	17,111	18,248	15,818	
Imports.....thous. of lbs.	29,465	18,228	34,845	31,060	15,970	26,862	27,550	44,034	24,690	30,952	20,477	43,124	14,846
Production (quarterly)—													
Crude.....thous. of lbs.													
Refined.....thous. of lbs.													
Stocks, end of quarter—													
Crude.....thous. of lbs.													
Refined.....thous. of lbs.													
Copra:													
Factory consumption (quarterly)													
short tons.													
Imports.....short tons.	19,832	20,207	18,012	17,179	17,871	18,927	25,890	33,133	34,056	37,419	33,886	33,725	
Stocks, end of quarter.....short tons.													
Edible gelatin:													
Production (quarterly).....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Fish oils:													
Factory consumption (quarterly)													
thous. of lbs.													
Production (quarterly).....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Grases:													
Factory consumption (quarterly)													
thous. of lbs.													
Production (quarterly).....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Lard compounds:													
Production (quarterly).....thous. of lbs.													
Stocks, end of quarter.....thous. of lbs.													
Oleomargarine:													
Consumption.....thous. of lbs.	19,499	16,483	9,289	13,180	15,460	17,150	19,573	19,751	27,237	27,593	30,631	33,138	27,194
Production.....thous. of lbs.	16,073	11,271	12,633	14,912	10,618	21,154	20,335	25,740	28,069	29,633	32,191	28,554	
Vegetable oils:													
Exports.....thous. of lbs.	455	1,025	1,028	1,175	2,876	2,154	3,821	2,947	4,775	2,086	2,294	2,591	1,794
Factory consumption (quarterly)													
mill. of lbs.													
Imports.....thous. of lbs.	56,633	63,666	74,283	75,470	72,230	52,463	68,238	79,309	72,142	72,428	75,352	106,699	73,445
Production (quarterly).....thous. of lbs.													
Stocks, end of quarter—													
Crude.....thous. of lbs.													
Refined.....thous. of lbs.													

* 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			
	September	August	July	June	May	April	March	February	January	December	November	October	September
CHEMICALS AND ALLIED PRODUCTS—Continued													
Fertilizer													
Consumption, Southern States													
Exports	91	40	25	74	195	1,102	1,252	540	343	74	61	95	2 136
Potash salts, imports	128	115	89	89	108	110	104	98	91	72	85	125	119
Nitrate of soda, imports	69	65	68	15	18	30	60	34	42	25	18	74	103
Superphosphate (acid phosphate):	49	35	19	30	34	67	120	68	46	36	35	27	19
Production	162	143	145	102	103	226	249	326	303	326	303	336	283
Shipments	58	63	55	106	407	305	150	103	70	78	93	150	150
Stocks, end of month	1,275	1,158	1,060	996	1,101	1,836	2,287	2,292	2,110	1,877	1,703	1,479	
Flaxseed													
Flaxseed, imports	2,460	1,339	1,685	1,150	1,496	827	1,313	952	352	219	387	148	59
Linseed cake and meal:													
Exports	48,615	57,730	53,225	39,769	38,172	30,812	39,847	18,203	10,853	33,596	25,986	12,519	8,474
Shipments from Minneapolis	17,385	13,972	11,414	7,653	8,432	12,145	17,827	11,046	17,227	16,824	17,315	20,726	27,149
Linseed oil:													
Factory consumption (quarterly)													
Receipts, thousands of lbs.	.076	.083	.091	.086	.085	.092	.095	.092	.088	.088	.094	.094	.105
Price, New York													
Production (quarterly)													
Shipments from Minneapolis													
Stocks at factories (quarterly)	6,806	5,675	6,285	6,788	11,921	12,792	11,552	9,594	8,553	7,385	10,199	14,792	11,565
Minneapolis and Duluth:													
Receipts	2,766	2,436	378	780	456	309	408	426	491	709	1,424	2,636	5,054
Shipments	786	408	386	501	424	314	185	296	243	517	1,910	1,618	2,405
Stocks, end of month	1,381	747	675	790	784	973	1,208	1,293	877	1,386	1,411	2,182	1,893
Oil mills (quarterly):													
Consumption													
Stocks, end of quarter													
Stocks, end of month													
Price, No. 1, Minneapolis	1.37	1.41	1.64	1.48	1.55	1.57	1.58	1.56	1.57	1.61	1.65	1.80	1.90
Production, crop estimate	41,474												
NAVAL STORES													
Pine oil:													
Production	172,539	114,205	210,711	231,207	210,912	219,053	208,690	220,066	144,440	220,737	229,979	225,688	229,238
Stocks, end of month	1,845	1,866	2,900	2,013	1,958	1,963	1,882	1,839	1,769	1,799	1,708	1,610	1,529
Rosin, gum:													
Net receipts, Southern ports	116,630	129,018	156,810	165,500	120,819	88,741	58,977	27,322	41,345	117,489	107,414	127,621	140,090
Price, "B," New York	3.87	3.94	4.28	4.68	4.70	4.73	4.64	4.38	4.45	4.95	5.29	5.54	5.80
Stocks at 3 ports, end of month	439,588	449,173	439,241	436,483	351,548	310,576	266,056	300,695	323,626	372,050	323,142	303,669	276,565
Rosin, wood:													
Production	25,058	17,074	28,495	34,747	33,593	35,585	33,544	32,332	24,488	34,332	38,931	34,818	38,293
Stocks, end of month	108,350	112,295	131,942	126,289	124,830	126,534	125,919	130,480	125,630	122,318	119,727	109,785	117,726
Turpentine, gum:													
Net receipts, Southern ports	28,995	37,112	53,459	52,345	37,026	26,102	9,511	5,354	7,228	27,482	28,107	38,500	42,873
Price, New York	.37	.36	.39	.55	.54	.56	.53	.45	.44	.42	.43	.41	.44
Stocks at port, end of month	115,178	114,421	122,214	101,905	66,248	53,393	45,232	58,202	68,320	84,911	95,800	88,499	76,774
Turpentine, wood:													
Production	3,797	2,607	4,370	5,675	5,996	6,244	5,740	5,634	4,757	6,200	6,584	5,817	6,573
Stocks, end of month	4,817	5,358	5,307	4,535	4,727	8,383	9,987	13,537	14,437	15,799	13,805	11,257	11,163
ROOFING													
Prepared roofing, shipments:													
Grit roll	711	568	532	520	570	533	333	330	322	242	372	922	872
Shingles—													
Individual and single thickness													
Stocks, end of month	153	136	127	131	155	146	92	60	51	63	86	191	196
Strip, patented, and hexagon													
Stocks, end of month	535	466	485	512	541	555	329	277	249	238	283	572	1,001
Smooth roll	1,198	1,067	873	843	965	967	702	714	773	583	742	1,575	1,438
Total	2,597	2,237	2,017	2,006	2,230	2,202	1,456	1,381	1,395	1,126	1,484	3,259	3,506
FOODSTUFFS													
Production index:													
Food products (Fed. Res.)													
Bd.	89	88	88	83	91	96	87	92	93	89	94	94	96
Food and kindred products (elect. energy consumed)	142.0	146.4	147.0	136.2	126.8	122.0	116.8	122.0	118.3	107.1	124.4	137.2	148.6
Stocks, manufactured foodstuffs	83.6	97.4	111.1	106.3	97.0	96.1	93.5	97.3	95.5	80.1	88.6	93.7	106.2
Stocks, raw foodstuffs	199.9	212.9	191.5	177.9	189.5	193.7	202.1	197.9	194.8	205.1	200.0	196.9	197.6
Candy													
Sales by manufacturers	22,965	15,553	12,176	15,512	15,680	21,608	22,062	21,444	21,948	28,727	29,500	31,004	28,027
Cocoa													
Shipments from Gold and Nigerian Coasts, Africa	6,063	4,355	7,783	11,870	11,720	33,864	48,353	51,550	39,278	21,756	18,888	12,660	7,554
Imports	14,104	13,546	17,746	14,892	22,520	20,242	20,942	13,696	16,418	13,700	6,338	7,410	11,008
Spot price, Accra, New York	.0463	.0525	.0581	.0563	.0494	.0535	.0550	.0563	.0619	.0675	.0688	.0675	.0670
Coffee													
Clearances:													
Total, Brazil for United States	711	592	530	760	643	1,080	849	889	952	881	514	659	852
Total, Brazil for world	1,263	1,216	1,161	1,504	1,333	1,863	1,559	1,590	1,647	1,590	1,080	1,176	1,469
Imports	794	884	1,100	1,037	1,415	1,126	1,107	1,289	1,094	1,098	967	1,159	991
Price, Rio No. 7, Brazil grades	.056	.056	.063	.068	.061	.053	.058	.064	.068	.070	.079	.089	.072
Receipts, total Brazil	1,533	1,495	1,462	1,535	1,735	1,550	1,565	1,648	1,697	1,494	1,549	1,437	1,595
Visible supply:													
United States	1,555	1,592	1,491	1,395	1,345	1,088	1,148	1,161	866	929	817	828	934
World	6,578	6,944	6,990	6,724	6,286	6,136	5,963	5,879	5,455	5,188	5,014	5,051	5,498

^a Revised.^b Quarter ended in month indicated.^c As of Oct. 1.^d Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FOODSTUFFS—Continued													
Dairy Products													
BUTTER													
Apparent consumption.....thous. of lbs.	203,734	197,536	205,626	228,337	184,528	160,753	152,985	163,689	166,506	154,937	181,569	179,305	
Cold-storage holdings, creamery, end of month.....thous. of lbs.	80,173	2104,678	115,121	80,172	35,155	17,195	18,010	30,672	46,792	63,401	88,012	109,646	131,480
Production (factory).....thous. of lbs.	118,202	136,769	158,061	188,040	174,827	140,676	122,954	105,192	112,843	211,670	201,950	2120,215	2 122,539
Receipts, 5 markets.....thous. of lbs.	42,863	45,588	58,522	74,154	61,813	53,566	48,739	43,251	45,644	43,892	36,848	38,933	40,853
Wholesale price, New York.....dollars per lb.	.33	.28	.25	.23	.24	.26	.29	.28	.29	.32	.36	.40	.40
Wholesale price, New York.....rel. to 1926..	73.3	62.2	55.6	51.1	53.3	57.8	64.4	62.2	64.4	71.1	80.0	88.9	88.9
CHEESE													
Total, all varieties:													
Apparent consumption.....thous. of lbs.	45,277	45,088	53,147	55,345	47,925	46,332	38,068	41,070	39,500	40,035	41,637	43,695	
Cold-storage holdings, end of month.....thous. of lbs.	83,435	2 86,418	84,003	72,977	55,939	53,172	54,270	61,841	69,471	79,015	87,171	96,393	103,691
Exports, Canada.....thous. of lbs.	16,688	11,929	11,496	4,078	1,517	505	491	306	918	4,025	14,677	16,568	12,652
Exports, United States.....thous. of lbs.	116	124	148	119	139	121	208	118	129	176	108	183	121
Imports, United States.....thous. of lbs.	5,515	4,389	3,413	5,121	5,856	4,471	4,611	4,062	4,123	4,163	5,041	6,293	4,333
Receipts, 5 markets.....thous. of lbs.	11,949	14,264	14,190	17,480	12,145	11,445	11,717	10,406	11,600	10,400	10,784	12,226	14,509
Production (factory).....thous. of lbs.		43,218	52,960	64,533	52,568	40,470	34,388	26,379	27,543	235,057	2 35,782	2 42,589	2 45,073
American whole milk:													
Cold-storage holdings, end of month.....thous. of lbs.	65,832	2 68,874	68,532	58,144	42,461	40,542	41,836	47,968	54,499	63,326	71,132	78,919	85,076
Wholesale price, New York.....dollars per lb..	.17	.16	.15	.14	.14	.15	.16	.16	.17	.18	.19	.19	.20
Eggs													
Cold-storage holdings, end of month:													
Case.....thous. of cases..	7,959	2 9,016	9,504	9,507	7,887	5,162	1,893	408	735	1,894	4,154	6,785	9,174
Frozen.....thous. of lbs..	103,246	2 110,271	114,700	113,513	106,607	91,517	78,051	73,889	75,685	83,184	89,571	98,359	106,631
Receipts, 5 markets.....thous. of cases..	943	1,053	1,180	1,862	2,236	2,478	2,046	1,264	1,026	768	593	717	952
Milk													
Condensed milk:													
Exports.....thous. of lbs..	1,309	1,477	1,862	1,372	1,973	1,853	1,873	1,345	2,403	1,907	1,973	1,718	1,479
Total stocks, manufacturers, end of month—													
Case goods.....thous. of lbs..	20,349	22,504	24,071	23,998	19,892	12,390	13,227	13,051	13,928	17,803	20,657	24,650	27,314
Bulk goods.....thous. of lbs..	11,007	15,001	16,221	18,992	19,163	15,887	16,273	16,171	18,594	19,520	20,885	21,965	23,727
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	
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	6,03
Wholesale price, New York.....dollars per case..	4.75	5.00	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..	3,659	4,466	5,892	5,024	5,114	5,311	5,034	3,775	5,269	4,546	4,366	4,718	3,452
Manufacturers' stocks, end of month—													
Total case goods.....thous. of lbs..	136,408	181,745	275,931	275,280	230,739	177,754	150,931	136,896	157,152	202,070	211,828	224,486	218,486
Unsold case goods.....thous. of lbs..			203,423	225,582	196,089	154,490	125,498	108,672	107,009	163,478	174,148	187,262	179,047
Wholesale price, New York.....dollars per case..	3.00	3.00	3.10	3.20	3.30	3.50	3.50	3.50	3.75	3.80	3.80	3.80	3.80
Fluid milk:													
Consumption in mfr. of oleomargarine.....thous. of lbs..		4,199	2,943	3,432	3,791	5,387	5,927	5,814	7,464	8,158	8,404	9,066	7,799
Receipts—													
Boston, including cream.....thous. of qts..	20,545	21,615	21,021	21,023	19,877	20,312	17,444	18,352	18,313	18,226	19,403	19,634	
Greater New York.....thous. of qts..	115,166	120,752	116,580	116,117	110,313	113,329	101,197	110,428	111,345	111,166	116,140	119,356	
Powdered milk:													
Exports.....thous. of lbs..	854	1,047	964	1,085	1,360	1,414	2,282	1,001	366	465	507	467	477
Manufacturers' stocks, end of month.....thous. of lbs..	26,251	2 35,922	38,216	42,628	43,148	40,502	41,363	41,744	41,122	38,976	36,318	33,281	32,770
Net new orders.....thous. of lbs..	14,195	2 11,062	11,816	11,109	11,047	12,145	10,606	9,492	10,253	8,945	8,733	9,853	10,151
Production, condensed and evapo- rated milk.....thous. of lbs..	121,599	140,437	175,578	234,055	244,229	194,753	172,306	144,649	141,981	2 140,904	2 132,691	2 152,757	2 141,656
Fish													
Canned salmon:													
Exports, Canada.....cases..	91,873	69,327	59,996	47,423	59,883	91,083	101,817	38,446	45,998	107,333	108,996	194,623	152,779
Shipments, United States.....thous. of cases..		902	524	340	384	290	334	300	406	333	273	653	1,433
Cold-storage holdings, 15th of month.....thous. of lbs..	68,038	57,535	48,350	30,700	31,368	28,079	38,542	56,547	71,910	85,317	91,436	88,616	85,498
Total catch, principal ports.....thous. of bbls..		33,612	28,626	25,655	24,599	30,949	30,081	20,635	18,358	17,567	25,967	30,541	40,687
Fruits and Vegetables													
Apples:													
Car-lot shipment.....carloads..	12,597	1,869	3,155	1,214	2,005	3,081	5,700	7,115	7,806	8,085	17,454	35,782	12,757
Cold-storage holdings, end of month.....thous. of bbls..	2,004	81	62	137	577	1,509	2,917	5,224	7,439	9,575	10,860	9,043	1,872
Production, crop estimate.....thous. of bu..	222,707									1 163,543			
Citrus fruits, car-lot shipments.....carloads..	5,688	6,073	9,407	10,693	15,555	15,050	17,572	13,980	14,197	12,554	11,338	6,301	4,510
Onions, car-lot shipments.....carloads..	3,776	2,258	1,657	2,122	3,703	2,377	2,540	2,610	3,454	2,254	2,753	5,593	5,437
Potatoes, car-lot shipments.....carloads..	16,979	11,717	20,161	27,084	23,895	21,032	23,601	20,971	15,092	16,267	28,788	21,924	
Production, crop estimate.....thous. of bu..	374,751									6 343,236			
Grains													
Total grain exports, including flour.....thous. of bu..	13,124	13,439	18,750	13,161	11,224	8,118	6,061	5,067	6,610	7,578	9,803	14,091	21,041
BARLEY													
Exports.....thous. of bu..	717	1,014	678	807	896	776	745	921	732	1,047	964	1,295	1,359
Price, No. 2, Minneapolis.....dollars per bu..	.50	.45	.42	.39	.45	.48	.44	.44	.44	.47	.48	.52	.53
Price, No. 2, Minneapolis.....rel. to 1926..	78.1	70.3	65.6	60.9	70.3	75.0	68.8	68.8	73.4	75.0	81.3	82.8	
Production, crop estimate.....thous. of bu..	215,889									6 334,971			
Receipts, principal markets.....thous. of bu..		5,088	1,801	2,193	2,523	2,446	2,484	2,246	2,511	3,569	4,207	5,765	12,477
Visible supply, end of month.....thous. of bu..	4,138	4,089	3,449	4,126	4,626	5,662	7,840	9,583	10,731	11,401	11,854	12,035	11,991

* Revised.

* As of Oct. 1.

* Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930				
	September	August	July	June	May	April	March	February	January	December	November	October	September		
FOODSTUFFS—Continued															
Grains—Continued															
CORN															
Exports, including meal	thous. of bu.	165	201	556	123	151	206	534	443	188	132	163	205	394	
Grindings (starch, glucose)	thous. of bu.	5,912	4,665	5,168	5,738	5,580	5,492	5,441	5,575	5,990	5,241	5,434	6,253	6,473	
Prices:															
No. 3, yellow, Chicago	dolls. per bu.	.42	.46	.57	.58	.56	.58	.60	.61	.65	.69	.71	.82	.94	
No. 3, yellow, Kansas City	dolls. per bu.	.46	.45	.53	.52	.52	.53	.54	.54	.59	.66	.69	.82	.89	
No. 3, white, Chicago	dolls. per bu.	.44	.49	.58	.59	.56	.58	.60	.63	.68	.73	.76	.88	.97	
Production crop estimate	thous. of bu.	2,702,752									2,093,552				
Receipts	thous. of bu.	8,447	211,320	16,152	13,417	11,381	17,102	18,567	21,278	19,320	27,367	17,067	15,176	16,048	
Shipments	thous. of bu.	6,364	26,561	8,955	10,589	14,855	14,246	12,281	11,895	12,611	10,925	8,396	8,705	9,829	
Visible supply, end of mo.	thous. of bu.	5,592	8,271	8,536	7,785	12,286	19,676	21,998	20,110	17,562	16,993	7,411	4,703	4,976	
HAY															
Receipts	number of cars		5,001	3,495	3,052	3,777	4,198	4,519	4,279	5,214	4,057	4,863	5,401	4,808	
Production, crop estimate	thous. of tons	79,292									77,850				
OATS															
Exports, including meal	thous. of bu.	627	429	253	374	192	179	174	120	144	208	202	157	194	
Grindings, Canada	thous. of bu.	836	938	770	785	822	844	940	997	1,126	1,085	1,174	1,054		
Price No. 3, white, Chicago	dolls. per bu.	.22	.21	.23	.27	.28	.30	.31	.32	.32	.34	.33	.36	.38	
Production, crop estimate	thous. of bu.	1,173,999									1,358,052				
Production, oatmeal, and rolled oats, Canada	thous. of lbs.		10,239	12,963	11,068	10,525	9,871	10,243	11,895	13,320	14,360	14,605	14,749	14,843	
Receipts, principal markets	thous. of bu.	7,398	212,903	5,749	4,748	5,294	7,604	6,843	7,123	6,121	6,021	6,075	9,445	15,381	
Visible supply, end of month	thous. of bu.	17,468	15,577	7,785	7,651	9,892	13,837	19,103	22,947	26,650	30,504	30,641	33,509	31,979	
RICE															
Exports	pockets (100 lbs.)	87,630	108,181	100,899	239,358	260,949	203,519	211,843	259,578	376,000	413,674	383,517	150,938	94,030	
Imports	pockets (100 lbs.)	3,756	4,475	5,443	10,009	50,472	38,748	41,223	37,821	41,891	27,504	29,294	10,684	6,565	
Production, crop estimate	thous. of bu.	41,668									41,322				
Shipments:															
Total from mills	thous. of pockets (100 lbs.)	875	427	404	601	617	780	864	933	1,119	1,003	1,208	1,323	766	
New Orleans	pockets (100 lbs.)	139,618	78,269	37,121	75,732	88,718	68,753	68,349	74,629	75,643	75,426	126,781	201,483	128,756	
Southern paddy, receipts at mills	thous. of bbls.	1,455	382	172	323	520	566	590	864	1,147	844	1,257	2,063	1,084	
Stocks, end of month	thous. of pockets (100 lbs.)	1,305	683	848	1,051	1,293	1,388	1,561	1,790	1,793	1,678	1,776	1,670	842	
RYE															
Exports, including flour	thous. of bu.	27	14	10	15	29	3	34	19	3	4	4	49	25	
Price No. 2, Minneapolis	dolls. per bu.	.39	.38	.37	.37	.36	.35	.36	.37	.38	.44	.43	.49	.55	
Production, crop estimate	thous. of bu.	36,233									48,149				
Receipts, principal markets	thous. of bu.		1,157	472	862	1,035	880	855	716	884	1,356	1,640	2,001	6,562	
Visible supply, end of month	thous. of bu.		8,267	8,687	8,730	8,540	9,262	10,440	11,110	11,911	12,644	13,316	13,860	14,842	
WHEAT															
Exports:															
Canada, including wheat flour	thous. of bu.	16,840	14,258	14,107	22,988	31,687	6,148	15,621	12,165	11,373	24,939	31,782	33,447	31,120	
United States—Wheat only	thous. of bu.	8,397	8,901	12,731	8,136	6,406	3,531	1,357	137	1,289	2,173	3,266	6,311	12,716	
Including wheat flour	thous. of bu.	11,588	11,781	17,253	11,842	9,956	6,954	4,574	3,564	5,543	6,187	8,470	12,295	19,069	
Stocks, held by mills (quarterly)	thous. of bu.	139,002			38,771			31,841			137,194			154,112	
Prices:															
No. 1, northern spring, Minneapolis	dolls. per bu.	.69	.65	.61	.74	.81	.79	.76	.75	.76	.77	.75	.82	.87	
No. 2, red winter, St. Louis	dolls. per bu.	.47	.47	.48	.72	.79	.80	.78	.79	.78	.83	.83	.87	.88	
No. 2, hard winter, Kansas City	dolls. per bu.	.43	.43	.44	.68	.73	.73	.70	.69	.69	.71	.69	.74	.78	
Production, crop estimate:	thous. of bu.		884,286								863,430				
Winter wheat	thous. of bu.		475,180								612,268				
Spring wheat	thous. of bu.		169,106								251,162				
Receipts	thous. of bu.	38,877	261,463	104,047	29,650	30,863	21,230	30,833	30,672	29,496	21,549	24,597	28,943	62,569	
Shipments	thous. of bu.	28,325	245,747	65,987	30,385	24,061	16,601	15,570	14,817	13,706	15,053	20,955	25,238	44,746	
Visible supply, end of month:															
Canada	thous. of bu.	122,199	101,306	116,462	122,318	136,856	160,750	180,253	183,704	193,858	205,854	197,998	178,827	148,288	
United States	thous. of bu.	239,431	242,846	217,526	190,702	197,563	199,561	207,138	201,862	197,219	195,716	202,475	205,437	213,804	
WHEAT FLOUR															
Consumption (computed)	thous. of bbls.		9,843	7,642	6,666	8,711	8,281	8,654	8,738	9,622	9,846	10,597	11,059	10,929	
Exports:															
Canada	thous. of bbls.	557	522	467	490	481	326	561	415	392	602	792	814	734	
United States	thous. of bbls.	709	640	1,005	824	789	761	715	762	945	892	1,156	1,330	1,412	
Grindings of wheat:															
Canada	thous. of bu.		5,992	5,932	5,033	5,304	4,719	5,169	4,607	4,834	5,226	7,789	8,348	7,255	
United States	thous. of bu.	44,840	44,412	45,362	35,803	36,946	39,127	40,137	37,939	42,529	41,307	42,428	49,914	49,382	
Prices, wholesale:															
Standard patents, Minneapolis	dolls. per bbl.		4.24	4.21	4.13	4.75	4.85	4.71	4.67	4.85	4.96	4.89	4.69	4.98	5.08
Winter, straight, Kansas City	dolls. per bbl.		2.96	2.96	23.16	4.12	4.14	4.02	4.00	4.06	4.00	4.03	4.14	4.23	4.44
Production:															
Canada	thous. of bbls.		1,333	1,319	1,121	1,183	1,058	1,164	1,035	1,086	1,170	1,739	1,869	1,624	
United States—Actual (Census)	thous. of bbls.	9,731	9,658	9,852	7,763	8,015	8,494	8,724	8,242	9,232	8,973	9,184	10,817	10,674	
Prorated (Russells')	thous. of bbls.		10,614	9,847	7,931	8,739	9,134	9,275	8,750	9,937	9,888	10,403	12,089	12,241	
Capacity	per cent.		61	58	59	47	50	51	52	56	55	54	60	62	67
Grain oilfl.	thous. of bbls.	780,697	7785,106	802,424	647,400	663,303	702,189	713,507	678,795	761,935	739,243	762,108	899,580	888,576	
Stocks:															
All positions (computed)	thous. of bbls.		6,131	6,000	4,800	4,857	5,618	5,526	5,620	6,370	7,000	7,850	9,200	9,500	
end of month	thous. of bbls.		3,532		2,830		3,712				4,016		3,940		

* Revised.

* Quarter ended in month indicated.

* As of Oct. 1.

* Final estimate for 1930.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930		
	September	August	July	June	May	April	March	February	January	December	November	October	September
FOODSTUFFS—Continued													
Meats													
CATTLE AND BEEF													
Beef products:													
Apparent consumption.....thous. of lbs.	404,801	432,312	416,822	404,731	421,672	421,252	370,405	335,603	384,754	397,741	331,945	403,023	434,257
Cold-storage holdings, end of month.....thous. of lbs.	35,441	39,050	41,055	45,545	49,448	53,150	61,111	67,622	72,398	75,285	73,392	63,862	60,023
Exports.....thous. of lbs.	2,077	1,837	1,497	1,573	1,468	981	1,444	961	902	1,207	1,491	2,347	1,793
Production, inspected.....thous. of lbs.	400,732	430,595	411,652	400,529	419,124	412,757	374,151	330,321	381,531	388,741	342,405	408,933	434,625
Cattle movements, primary markets:													
Local slaughter.....thousands	961	1,000	930	965	980	1,036	960	812	897	1,015	823	1,183	1,084
Receipts.....thousands	1,797	1,821	1,488	1,540	1,551	1,617	1,535	1,303	1,508	1,736	1,696	2,377	2,108
Shipments, stocker and feeder.....thousands													
Shipments, total.....thousands	331	251	124	111	153	175	146	147	222	332	478	681	443
Prices:													
Beef, fresh, carcass, good native steers, Chicago.....dolls per lb.	.148	.144	.129	.129	.143	.160	.169	.178	.195	.195	.195	.105	.191
Beef, fresh, carcass, good native steers, Chicago.....rel. to 1926	90.2	87.9	78.8	78.8	86.8	97.1	102.8	108.1	118.8	118.8	118.8	118.8	116.4
Beef, fresh, carcass, steers, New York.....dolls per lb.	.165	.158	.145	.145	.155	.172	.180	.186	.205	.205	.205	.205	.203
Beef, fresh, carcass, steers, New York.....rel. to 1926	96.7	92.3	84.9	84.9	90.8	100.8	105.4	115.0	120.1	120.1	120.1	120.1	118.6
Cattle, corn fed, Chicago.....dolls per 100 lbs.	8.66	8.62	7.25	7.32	7.68	8.56	9.08	9.11	10.00	10.58	10.31	9.97	10.33
Cattle, corn fed, Chicago.....rel. to 1926	90.8	90.5	76.1	76.8	80.5	89.9	95.2	95.6	105.0	111.0	108.2	104.6	108.4
HOGS AND PORK													
Hog movements, primary markets:													
Local slaughter.....thousands	1,603	1,398	1,174	1,716	1,841	2,083	1,962	2,263	2,907	2,460	2,169	2,048	1,703
Receipts.....thousands	2,727	2,454	2,511	2,854	3,067	3,237	3,704	4,652	4,092	3,439	3,431	2,799	
Shipments, stocker and feeder.....thousands													
Shipments, total.....thousands	55	49	37	36	33	36	31	37	47	41	37	39	38
Lard (included in pork products):													
Cold-storage holdings, end of month.....thous. of lbs.	69,697	796,017	121,865	115,561	162,366	55,663	78,249	74,977	62,624	51,434	31,582	36,211	59,732
Exports.....thous. of lbs.	37,750	34,519	35,824	37,76.8	39,623	44,762	58,395	68,760	68,882	45,114	42,552	41,393	37,447
Production.....thous. of lbs.	97,414	91,680	100,265	123,263	129,090	127,516	147,632	135,062	150,538	119,355	101,672	88,059	
Pork production:													
Apparent consumption.....thous. of lbs.	601,341	552,287	549,925	585,116	581,110	52,993	563,924	508,890	663,947	608,323	553,479	636,426	551,357
Cold-storage holdings, end of month—													
Total.....thous. of lbs.	514,273	650,116	533,377	504,212	521,117	93,217	521,920	928,385	785,888	572,626	413,256	393,017	507,159
Fresh and cured.....thous. of lbs.	574,050	570,050	711,511	774,651	827,551	867,524	810,671	853,498	726,264	521,192	411,704	356,866	447,427
Exports—													
Total.....thous. of lbs.	48,550	48,032	42,192	53,323	53,555	53,496	73,919	83,479	86,902	61,134	62,325	53,795	58,892
Other products than lard.....thous. of lbs.													
Production, inspected.....thous. of lbs.	19,766	13,522	15,289	15,434	15,364	14,637	15,215	14,710	18,920	16,629	19,773	12,462	16,475
Prices:													
Hams, smoked, Chicago.....dolls per lb.	.186	.185	.173	.174	.182	.184	.187	.195	.207	.213	.222	.221	.227
Hams, smoked, Chicago.....rel. to 1926	60.3	69.1	59.1	55.6	59.2	59.7	60.7	63.5	67.1	69.2	72.1	71.7	73.8
Hogs, heavy, Chicago.....dolls per 100 lbs.	5.71	6.05	6.24	6.32	6.40	7.03	7.38	6.73	7.34	7.94	8.86	10.53	
Hogs, heavy, Chicago.....rel. to 1926	55.3	51.4	50.6	51.8	51.9	57.4	58.2	54.5	59.3	64.3	71.3	79.9	85.8
Lard, prime contract, New York.....dolls per lb.	.175	.175	.182	.183	.182	.090	.094	.085	.090	.100	.112	.119	.119
SHEEP AND LAMBS													
Lamb and mutton:													
Apparent consumption.....thous. of lbs.	60,736	56,351	51,679	55,233	54,604	59,095	54,949	50,997	58,193	56,518	56,890	64,946	58,873
Cold-storage holdings, end of month.....thous. of lbs.													
Total.....thous. of lbs.	1,915	2,1975	5,882	2,685	2,371	2,529	3,063	3,573	4,081	4,677	4,628	4,326	4,320
Production, inspected.....thous. of lbs.	60,734	58,460	53,347	55,678	54,433	58,570	54,485	50,511	57,612	56,453	51,236	65,669	59,297
Prices—													
Sheep, ewes, Chicago.....dolls per 100 lbs.	1.63	1.98	2.56	1.65	2.44	3.29	3.70	3.69	3.14	2.93	3.33	3.84	3.08
Sheep, ewes, Chicago.....rel. to 1926	21.6	30.6	35.9	23.5	37.0	50.0	57.5	55.9	52.1	44.4	51.2	43.1	46.6
Sheep, lambs, Chicago.....dolls per 100 lbs.	5.94	5.95	6.06	6.98	8.36	8.76	8.27	8.31	7.98	7.40	7.43	7.03	7.35
Sheep, lambs, Chicago.....rel. to 1926	42.3	43.4	44.2	56.9	61.0	64.0	63.4	60.7	58.3	54.0	52.0	51.3	53.6
Sheep movements, primary markets:													
Local slaughter.....thousands	1,461	1,471	1,342	1,384	1,464	1,410	1,157	1,056	1,201	1,230	1,079	1,597	1,479
Receipts.....thousands	2,900	3,270	2,535	2,587	2,810	2,713	2,119	1,954	2,175	2,307	2,697	3,784	3,580
Shipments, stocker and feeder.....thousands													
Shipments, total.....thousands	1,104	718	243	239	176	189	103	105	184	282	761	1,024	907
Miscellaneous meats:													
Cold-storage holdings, end of month.....thous. of lbs.	56,851	66,334	69,026	75,469	79,331	81,359	85,678	92,744	93,747	84,169	75,818	72,444	80,653
Total meats:													
Apparent consumption.....mills. of lbs.	1,967	2,1043	2,1,012	2,1,045	1,060	1,004	998	895	1,107	1,062	936	1,165	1,015
Cold-storage holdings, end of month.....mills. of lbs.	638	708	946	1,014	1,062	1,100	1,072	1,062	959	737	597	534	652
Production.....mills. of lbs.	964	946	999	1,053	1,078	1,096	1,059	1,112	1,401	1,264	1,059	1,110	963
POULTRY													
Cold-storage holdings, end of month.....thous. of lbs.	56,183	43,056	36,438	32,762	35,348	45,920	69,986	95,188	101,307	104,913	82,925	59,269	46,938
Receipts at 5 markets.....thous. of lbs.	32,409	28,655	24,871	22,164	17,252	17,443	20,600	26,008	34,472	73,314	67,361	33,128	24,900
Prices													
Retail food (Dept. of Labor).....rel. to 1913	119	120	119	118	121	124	126	127	133	137	141	144	146
Wholesale food.....rel. to 1926	72.9	73.7	73.1	72.4	72.9	75.6	76.7	77.1	80.1	81.8	85.7	88.6	89.2

² Revised.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FOODSTUFFS—Continued													
Sugar													
Cuban movement (raw):													
Exports.....long tons.	160,902	215,110	203,030	148,624	137,205	94,865	134,928	168,450	86,518	231,039	413,406	291,311	274,588
Receipts at Cuban ports.....long tons.	109,613	126,016	119,664	93,548	118,514	238,872	546,538	429,576	105,726	150,277	213,688	124,848	152,166
Stocks, end of month, thous. of long tons.	702	754	843	950	982	1,007	844	461	80	669	704	953	1,163
Prices:													
Retail coverage, 51 cities.....rel. to 1913..	104	104	102	102	102	104	106	107	107	107	107	106	107
Retail granulated, New York.....dolls. per lb..	.052	.053	.051	.050	.050	.050	.051	.053	.053	.053	.053	.053	.054
Wholesale, granulated, New York.....dolls. per lb..	.045	.046	.046	.044	.043	.044	.043	.045	.046	.046	.047	.044	.043
Wholesale, granulated, New York.....rel. to 1926..	81.6	84.1	84.1	80.3	78.3	80.1	79.2	81.4	83.2	85.0	80.8	79.2	
Raw:													
Imports—													
From Hawaii and Porto Rico.....long tons.	126,970	135,228	148,636	143,332	161,260	135,457	150,951	151,980	81,700	5,590	50,977	82,660	117,776
From foreign countries.....long tons.	202,564	397,042	324,848	239,035	151,815	279,578	354,493	212,453	122,071	306,500	293,455	277,350	273,952
Meltings, 8 ports.....long tons.	414,066	376,715	469,609	383,157	332,558	403,337	351,169	290,337	253,585	207,006	337,360	402,333	413,912
Stocks at refineries, end of month.....long tons.	321,815	429,229	367,252	400,567	463,730	445,535	420,650	329,324	298,938	305,208	321,930	283,778	378,969
Refined:													
Exports, including maple.....long tons.	4,365	3,896	3,952	4,329	3,338	5,332	4,612	3,085	3,572	4,723	6,576	8,553	6,668
Shipments, 2 ports.....long tons.	60,502	76,412	98,879	78,533	57,670	65,633	49,077	54,570	42,717	33,645	59,916	62,113	72,208
Stocks, 2 ports.....long tons.	41,171	37,116	36,481	35,030	32,632	43,880	54,665	29,070	34,019	42,555	37,759	46,134	53,998
Tea													
Imports.....thous. of lbs.	8,568	7,977	6,578	6,953	4,135	6,184	7,995	5,223	7,289	8,029	7,565	9,917	8,717
Price, Formosa, fine, New York.....dolls. per lb..	.225	.225	.225	.225	.225	.225	.225	.225	.225	.225	.225	.223	.224
FOREST PRODUCTS													
Lumber													
ALL TYPES													
Exports.....M ft. b. m.	89,502	99,633	120,354	120,501	143,558	135,771	73,818	67,792	114,557	128,424	110,855	122,690	139,138
New orders.....rel. to 1923-1925..	45.9	38.9	35.2	47.7	35.6	41.5	40.3	35.7	36.7	33.8	36.8	39.4	53.7
Prices, wholesale, composite.....rel. to 1926..	65.5	66.0	66.3	67.8	68.4	73.3	74.2	73.2	76.0	78.1	80.1	80.2	80.8
Production index (elect. energy consumed).....rel. to 1923-1925..	82.2	79.4	76.9	86.3	97.2	91.5	93.2	84.2	82.6	73.3	86.5	77.1	105.6
Stocks, end of month.....rel. to 1923-1925..	112.5	110.6	110.1	106.3	107.7	108.2	108.8	111.2	113.2	117.3	113.7	110.0	108.3
Unfilled orders, end of month.....rel. to 1923-1925..	45.7	49.7	51.4	48.1	49.2	48.8	47.7	46.8	44.7	44.7	42.6	46.3	59.0
RETAIL MOVEMENT													
Retail yards, 9th Fed. Res. Dist.:													
Sales.....M ft. b. m..	8,314	9,457	8,513	10,084	8,451	7,767	5,236	3,494	3,563	4,145	9,028	13,596	12,516
Stocks, end of month.....M ft. b. m..	73,002	76,554	78,274	79,017	80,051	80,816	81,158	80,251	76,552	70,531	71,025	73,743	79,471
Retail yards, 10th Fed. Res. Dist.:													
Sales.....M ft. b. m..	3,249	3,280	3,745	3,432	3,421	3,368	3,389	2,641	2,878	2,530	3,940	5,114	4,580
Stocks, end of month.....M ft. b. m..	36,245	36,966	37,279	37,718	38,816	39,534	39,657	38,628	37,839	37,739	38,108	38,674	40,116
FLOORING													
Maple flooring:													
New orders.....M ft. b. m..	2,783	3,312	3,712	4,245	3,327	3,679	3,131	3,455	3,584	1,905	2,798	2,530	2,983
Production.....M ft. b. m..	3,134	2,973	2,737	3,116	2,629	3,326	3,760	3,179	3,452	3,045	2,759	2,643	3,301
Shipments.....M ft. b. m..	3,144	3,397	3,447	3,778	3,315	3,226	3,017	2,676	2,351	1,811	2,554	2,886	3,331
Stocks, end of month.....M ft. b. m..	20,189	21,130	21,321	21,821	23,467	24,191	26,193	25,835	25,578	24,271	23,353	22,985	23,915
Unfilled orders, end of month.....M ft. b. m..	3,775	4,183	4,772	4,955	4,604	5,312	5,180	5,248	4,664	3,491	3,204	3,188	2,953
HARDWOODS													
All hardwoods:													
New orders.....mill. ft. b. m..		131	139	176	153	154	173	188	169	125	133	154	176
Production.....mill. ft. b. m..		101	109	143	146	146	165	158	143	134	143	158	161
Shipments.....mill. ft. b. m..		143	139	161	169	161	176	165	158	125	148	169	180
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
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
Unfilled orders, end of month.....mill. ft. b. m..		375	402	419	431	463	473	481	456	456	452	466	475
Gum:													
Stocks, end of month—													
Total.....mill. ft. b. m..		634	653	683	686	694	703	713	726	611	610	608	601
Unsold.....mill. ft. b. m..		542	551	575	586	593	601	607	511	509	504	494	
Unfilled orders, end of month.....mill. ft. b. m..		92	102	108	100	101	106	112	118	100	102	104	107
Northern hardwoods:													
Production.....M ft. b. m..		5,864	6,173	11,878	10,820	12,767	17,878	17,252	14,178	8,147	4,382	4,772	4,371
Shipments.....M ft. b. m..		13,445	9,846	11,690	10,330	12,806	12,031	12,330	10,854	8,021	9,374	11,285	11,862
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
Unsold.....mill. ft. b. m..		783	783	803	809	814	844	861	918	935	928	924	918
Unfilled orders, end of month.....mill. ft. b. m..		70	81	88	105	120	122	129	99	95	95	97	98
Walnut logs:													
Made into lumber and veneer.....M ft. log measure..	925	709	523	958	1,135	925	816	829	895	1,146	1,340	1,421	1,109
Purchases.....M ft. log measure..	1,113	776	666	674	828	719	699	874	1,179	1,204	1,460	1,294	1,171
Stocks, end of month.....M ft. log measure..	707	510	442	293	519	845	1,050	1,172	1,136	777	791	670	805
Walnut lumber:													
New orders.....M ft. b. m..	1,861	1,252	1,574	996	1,131	1,393	2,094	1,471	1,152	1,203	1,343	1,809	1,785
Production.....M ft. b. m..	1,037	887	624	1,075	1,382	1,141	875	804	642	1,184	1,444	1,336	1,121
Shipments.....M ft. b. m..	1,786	1,472	1,855	1,223	1,277	1,506	1,942	1,363	1,064	1,187	1,470	1,907	1,861
Stocks, end of month.....M ft. b. m..	13,176	13,926	14,543	15,837	15,990	15,893	16,265	17,236	18,295	17,670	18,731	18,796	19,334
Unfilled orders, end of month.....M ft. b. m..	2,934	2,821	2,981	2,918	3,151	3,279	3,522	3,314	3,211	3,118	3,393	3,646	4,035

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MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FOREST PRODUCTS—Continued													
Lumber—Continued													
SOFTWOOD													
California redwood:													
New orders (computed) M ft. b. m.	16,007	15,386	16,576	19,321	19,220	22,480	24,485	20,695	25,928	17,857	21,485	30,603	27,155
Production (computed) M ft. b. m.	14,760	16,270	14,717	16,429	17,616	18,761	21,795	23,836	26,998	23,048	25,900	35,063	28,337
Shipments (computed) M ft. b. m.	15,734	17,323	18,131	18,253	21,568	21,898	24,852	23,555	21,410	20,307	20,549	31,808	27,505
Unfilled orders, end of month (computed) M ft. b. m.	17,585	17,380	19,331	20,376	20,237	22,290	22,726	23,613	28,725	22,766	24,514	24,277	26,150
Douglas fir:													
Exports—													
Lumber M ft. b. m.	38,787	45,308	53,088	47,766	69,043	63,159	15,211	14,951	38,251	53,718	42,364	43,801	48,097
Timber M ft. b. m.	18,020	25,155	18,186	35,718	55,586	37,573	19,964	14,978	16,081	12,859	9,151	12,511	16,114
New orders M ft. b. m.	158,915	188,460	181,297	191,146	188,907	224,272	217,109	189,355	191,593	189,355	186,222	203,232	217,557
Price wholesale—													
No. 1 common—dollars per M ft. b. m.	11.27	10.97	10.64	11.25	11.64	12.12	12.68	12.86	12.82	12.99	13.25	12.98	13.14
Flooring, 1 x 4 "B" and better, V.													
G—dollars per M ft. b. m.	25.43	25.29	25.76	25.98	28.33	29.74	31.14	31.65	31.33	31.73	33.40	33.77	34.58
Production M ft. b. m.	155,334	171,897	149,067	199,651	206,813	201,889	186,222	179,059	160,258	167,420	191,593	208,156	199,651
Shipments M ft. b. m.	166,525	175,030	173,240	197,413	221,586	200,099	195,622	186,669	178,164	174,583	179,954	199,651	200,546
Unfilled orders, end of month M ft. b. m.	125,341	111,017	165,630	162,944	135,637	215,766	196,517	181,745	182,640	188,012	176,373	137,876	176,373
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	
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	
Northern hemlock:													
Production M ft. b. m.	9,991	10,128	10,013	9,893	8,616	6,583	6,085	6,526	5,812	4,046	4,374	6,876	
Shipments M ft. b. m.	7,864	8,640	9,554	7,894	7,437	5,432	5,508	6,094	4,955	6,596	7,436	6,751	
Southern yellow pine:													
Exports—													
Lumber M ft. b. m.	18,936	21,956	29,925	30,278	34,067	32,544	22,478	21,309	33,509	35,873	28,113	31,987	44,007
Timber M ft. b. m.	5,663	7,888	8,745	12,535	5,827	10,256	6,261	4,935	8,163	9,029	11,896	10,590	11,509
New orders M ft. b. m.	138,204	151,484	146,860	140,322	157,920	169,015	174,020	170,709	190,985	146,465	177,327	213,028	206,024
Price flooring—dollars per M ft. b. m.	27.21	27.78	27.82	28.15	28.82	28.32	29.06	28.42	30.73	32.51	33.44	34.01	33.48
Price index rel. to 1926 60.3	61.4	61.7	62.4	63.9	68.2	65.8	63.0	68.1	72.1	74.1	75.4	74.2	
Production M ft. b. m.	116,511	119,828	121,994	126,739	148,048	165,325	164,929	153,831	165,065	157,143	184,712	210,972	207,107
Shipments M ft. b. m.	142,170	153,611	151,488	138,663	165,004	180,308	175,742	163,926	182,679	145,110	176,110	217,885	209,545
Unfilled orders M ft. b. m.	74,235	82,551	83,013	83,475	83,958	104,307	121,401	106,932	116,193	99,036	105,021	108,864	112,266
Western pine:													
New orders mill. ft. b. m.		127	128	114	107	141	109	112	87	111	97	177	149
Production mill. ft. b. m.		125	137	156	135	141	112	66	63	85	98	139	152
Shipments mill. ft. b. m.		125	119	125	122	125	120	107	107	108	114	164	152
Stocks end of month mill. ft. b. m.		1,225	1,245	1,230	1,204	1,196	1,174	1,218	1,262	1,284	1,300	1,330	
VENEER													
Rotary-cut veneer:													
Receipts no. of carloads	85	78	99	79	83	105	118	101	111	106	101	147	
Purchases no. of carloads	64	92	99	54	59	82	118	138	112	97	101	139	
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	
New orders—no. days' production	15	13	27	9	13	14	13	16	15	22	21	29	
Outstanding accounts,													
end of month—no. days' sales	36	32	32	31	33	34	35	42	43	48	51	52	
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	
Shipments—no. days' production	16	14	12	11	13	13	13	14	17	18	26	27	
Unfilled orders,													
end of month—no. days' production	20	22	23	11	15	15	17	18	17	22	20	26	
Southeastern district—													
Shipments—dollars, av. per firm	66,042	59,223	55,063	43,077	46,431	52,390	62,382	50,858	36,692	29,051	43,975	70,007	74,123
Unfilled orders, end of month													
Steel furniture. (See under steel manufactured products.)													
Wholesale prices:													
Beds rel. to 1926 80.4	82.9	85.2	85.2	86.8	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	92.1	93.0	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 84.2	88.2	88.6	89.8	89.8	93.2	93.2	92.3	92.3	92.3	92.3	92.3	92.3	
LEATHER PRODUCTS													
Prices, wholesale, composite rel. to 1926 83.4	90.3	89.8	87.8	88.1	88.4	88.4	89.0	90.8	91.5	93.3	96.7	98.2	
Production index (Fed. Res. Bd.) rel. to 1923-25 98	104	101	100	107	102	92	87	78	81	81	89	95	
Production index (elec. energy consumed) rel. to 1923-25 81.9	77.1	83.8	85.4	81.0	83.9	71.2	76.1	71.6	68.7	63.0	84.9	73.5	
Stocks, end of month rel. to 1923-25 77.2	79.1	77.6	77.5	78.8	79.4	80.4	81.4	85.1	85.9	84.8	83.9	81.6	
Hides													
Imports—													
Calfskins—thous. of lbs 2,317	3,731	4,699	2,472	3,804	2,857	1,449	1,107	1,670	1,722	2,202	3,264	2,835	
Cattle hides—thous. of lbs 11,934	11,870	9,313	7,528	6,812	4,404	6,867	4,149	5,186	6,781	6,888	12,743		
Goatskins—thous. of lbs 6,758	7,556	7,686	9,321	8,274	6,160	6,292	3,991	5,863	6,154	5,167	7,268	6,807	
Sheepskins—thous. of lbs 3,360	3,368	3,451	3,313	3,091	4,453	3,280	2,890	4,040	3,313	1,965	2,821	3,289	
Total, hides and skins—thous. of lbs 27,445	29,513	28,332	26,053	24,437	19,616	19,468	13,417	20,211	20,471	18,207	21,512	27,598	
Inspected slaughter of livestock:													
Canada—													
Cattle and calves—thous. of animals 80	78	77	92	103	101	85	58	69	75	78	97	84	
Swine—thous. of animals 204	162	148	164	158	172	154	161	166	170	168	160	146	
Sheep and lambs—thous. of animals 117	81	71	56	23	27	32	32	37	53	98	185	114	
United States—													
Cattle—thous. of animals 687	727	706	667	704	690	635	559	651	692	605	836	760	
Calves—thous. of animals 393	357	356	417	425	471	416	353	379	398	324	438	374	
Swine—thous. of animals 2,955	2,500	2,767	3,251	3,408	3,488	3,523	4,142	5,362	4,647	4,024	3,492	2,773	
Sheep—thous. of animals 1,667	1,598	1,491	1,516	1,444	1,493	1,324	1,223	1,426	1,426	1,305	1,727	1,591	

*Revised.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930			
	August	August	July	June	May	April	March	February	January	December	November	October	September	
LEATHER PRODUCTS—Continued														
Hides—Continued														
Prices:														
Packers, heavy, native steers (Chicago)														
Dollars per lb.	.090	.113	.120	.100	.085	.092	.090	.073	.095	.107	.118	.133	.146	
Calfskins, No. 1, country (Chicago)														
Dollars per lb.	.098	.129	.130	.129	.129	.135	.128	.117	.125	.144	.156	.172	.165	
Stocks, end of month:														
Calf and kip skins														
Thousands of lbs.	41,918	42,778	38,227	36,046	34,995	33,918	35,397	38,717	40,068	41,364	39,084	37,249		
Cattle hides														
Thousands of lbs.	212,299	206,317	209,697	216,400	220,846	223,182	225,315	235,649	237,392	227,647	227,099	218,446		
Sheep and lamb skins														
Thousands of lbs.	35,376	35,223	34,034	35,026	32,926	34,168	33,172	33,296	34,489	34,368	34,546	35,490		
Total hides and skins														
Thousands of lbs.	289,593	284,318	281,958	287,472	288,767	291,268	293,884	307,662	311,949	303,379	300,729	291,185		
Raw														
Sole and belting:														
Exports (sole only)														
Thousands of lbs.	546	459	652	983	1,143	1,442	949	713	726	1,128	825	691	673	
Price, oak, scoured backs (Boston)														
Dollars per lb.	.390	.400	.370	.370	.370	.370	.370	.365	.380	.400	.410	.410	.440	
Price, oak, scoured backs (Boston)														
Rel. to 1926	89.0	91.3	84.4	84.4	84.4	84.4	84.4	83.3	86.7	91.3	93.5	93.5	100.4	
Production:														
Sole only	1,160	1,097	1,076	1,034	1,137	984	951	1,087	1,226	1,071	1,333	1,330		
Sole and belting														
Thousands of lbs.	19,837	19,281	19,522	18,388	20,406	18,219	17,386	19,559	21,993	18,777	23,418	23,137		
Stocks, end of month:														
Finished														
Thousands of lbs.	81,319	81,906	85,626	85,848	87,196	88,044	90,321	91,827	90,878	86,331	84,036	81,569		
In process of tanning														
Thousands of lbs.	68,931	67,212	67,070	67,938	68,933	71,122	72,488	73,261	74,135	77,485	78,815	80,895		
Upper leather:														
Exports														
Thousands of sq. ft.	6,529	6,635	7,463	9,234	9,211	8,752	9,347	7,700	9,133	8,118	7,451	9,838	8,813	
Price, composite, chrome, calf, black "B" grade														
Dollars per sq. ft.	.337	.348	.350	.352	.356	.356	.352	.354	.359	.367	.367	.372	.372	
Production														
Thousands of sq. ft.	69,626	67,234	63,229	60,542	62,536	61,515	54,706	52,225	57,888	51,848	55,339	63,304		
Stocks														
Finished														
Thousands of sq. ft.	250,478	246,424	250,612	254,142	257,195	261,057	264,392	272,866	280,856	270,023	270,902	255,787		
In process of tanning														
Thousands of sq. ft.	131,095	128,425	126,684	124,330	125,722	127,867	128,967	129,513	127,785	133,357	137,513	141,405		
Manufactures														
Gloves cut														
Dozen pairs														
Shoes:														
Exports														
Thousands of pairs	142	132	140	167	194	177	185	130	130	208	270	269	256	
Prices, wholesale:														
Men's black calf blucher (Boston)														
Dollars 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)														
Dollars per pair	4.35	4.35	4.35	4.49	4.60	4.60	4.60	4.60	4.60	4.72	4.85	4.85	4.85	
Women's black kid, McKay sewed														
Dollars per pair	3.15	3.15	3.15	3.25	3.25	3.25	3.25	3.25	3.25	3.45	3.55	3.55	3.55	
Production:														
Total														
Thousands of prs.	33,444	28,614	27,839	28,452	29,364	23,971	19,889	17,537	18,541	27,731	20,334			
Men's														
Thousands of prs.	8,242	7,349	7,244	6,735	6,641	6,254	5,687	5,250	5,034	4,740	6,436	6,568		
Boys' and youths'														
Thousands of prs.	2,078	1,739	1,605	1,647	1,768	1,654	1,438	1,418	1,262	1,271	1,558	1,609		
Women's														
Thousands of prs.	13,079	10,400	9,596	10,058	11,042	11,888	9,644	7,573	5,401	5,034	10,385	11,856		
Misses' and children's														
Thousands of prs.	3,139	2,846	2,835	3,128	3,846	3,712	2,983	2,495	2,003	1,769	2,393	2,742		
Slippers, all types														
Thousands of prs.	3,927	2,3,431	2,974	2,812	2,454	2,045	1,370	853	2,044	3,953	4,684	4,292		
All other footwear														
Thousands of prs.	2,979	2,849	3,585	4,072	4,137	3,811	2,849	2,300	1,793	1,774	2,275	2,267		
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		
Prices, wholesale														
Rel. to 1926	86.6	86.6	87.1	86.9	87.2	87.5	88.1	88.1	88.0	88.3	88.6	89.5		
Production index (Fed. Res. Bd.)														
Rel. to 1923-25	46	51	59	64	72	75	78	73	64	59	65	74	85	
Production index (elect. energy consumed)														
Rel. to 1923-25	78.3	78.0	83.1	86.6	106.8	108.1	119.4	116.5	103.4	110.2	106.5	126.0	110.3	
Stocks, manufactured goods, end of month														
Rel. to 1923-25	125.5	128.1	130.1	136.6	138.9	142.8	145.7	139.7	141.7	146.4	146.1	147.1	145.3	
Unfilled orders, end of month														
Rel. to 1923-25	53.0	53.4	57.6	60.3	62.4	67.4	69.6	71.6	76.3	69.4	67.4	67.9	67.9	
Ore														
Iron ore:														
Consumption														
Imports														
Receipts														
Lake Erie ports and furnaces														
Thousands of long tons	2,873	3,229	3,191	2,369	599	9	0	0	0	0	1,634	4,011	4,721	
Other ports														
Thousands of long tons	1,440	1,658	1,735	1,428	656	106	0	0	0	0	993	1,675	1,891	
Shipments from mines														
Thousands of long tons	4,179	5,065	4,956	3,508	1,769	176	0	0	0	0	1,988	5,531	6,488	
Stocks end of month														
At furnaces														
On Lake Erie docks														
Thousands of long tons	31,998	29,385	26,451	23,556	21,963	23,292	25,751	28,247	30,430	32,618	34,761	34,750	32,323	
Total														

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
IRON AND STEEL—Continued													
Iron—Crude—Continued													
Pig-iron production:													
Canada.....thous. of long tons..	18	23	40	56	51	54	57	46	36	38	46	40	49
Merchant furnaces.....thous. of long tons..		297	371	336	410	404	356	317	292	396	375	373	407
United States, total.....thous. of long tons..	1,160	1,281	1,463	1,630	1,994	2,020	2,032	1,707	1,714	1,666	1,867	2,165	2,277
United States, total.....rel. to 1923-25.....	39.1	42.9	49.0	54.9	66.7	67.6	68.0	57.1	57.4	55.8	62.5	72.5	76.2
Pig-iron furnaces in blast, end of month:													
Furnaces, end of month.....number..	73	76	82	91	105	113	116	108	102	95	107	111	123
Capacity, end of month....long tons per day..	33,600	39,085	45,230	50,855	61,035	66,980	67,880	61,850	57,365	51,320	60,205	65,965	73,525
Prices, wholesale:													
Basic (valley furnace)....dolls. per long ton..	15.50	15.50	15.50	15.50	16.25	16.50	16.50	16.75	17.00	17.00	17.00	17.00	17.60
Basic (valley furnace).....rel. to 1926.....	83.6	83.6	83.6	83.6	87.6	89.0	89.0	90.3	91.7	91.7	91.7	91.7	94.9
Composite pig-iron....dolls. per long ton..	10.32	16.38	16.38	16.40	16.64	16.75	16.72	16.82	16.94	17.01	17.14	17.30	17.79
Foundry, No. 2, northern (Pittsburgh).....dolls. per long ton..	15.76	18.76	18.76	18.76	18.76	18.76	18.26	18.51	18.76	18.76	18.89	19.56	
Foundry, No. 2, northern (Pittsburgh).....rel. to 1926.....	91.0	91.0	91.0	91.0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.6	94.9
Iron—Manufactured Products													
Cast-iron boilers:													
Gas-fired boilers—													
Production.....thous. B. t. u..	153,495	208,072	201,956	178,101	174,244	227,605	210,584	178,224	163,390	85,399	85,328	250,001	286,748
Shipments.....thous. B. t. u..	257,941	195,946	155,723	156,769	154,650	150,227	95,765	114,593	98,397	221,775	149,507	359,206	334,266
Shipments.....dollars..	288,422	213,852	159,568	166,923	148,749	149,057	94,251	116,186	92,702	181,966	202,835	445,101	396,788
Stocks, end of month.....mils. B. t. u..	978	1,106	1,089	1,069	1,014	997	916	797	721	621	759	885	940
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	
Production.....thous. of lbs..	4,662	3,977	4,654	5,069	5,553	4,864	5,509	4,109	3,614	5,910	8,291	6,321	
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	
Stocks, end of month.....thous. of lbs..	53,553	57,274	59,876	59,770	60,221	57,794	56,878	54,997	51,657	53,686	59,134	68,182	
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	
Production.....thous. of lbs..	15,264	13,028	13,256	13,140	15,981	14,700	15,957	14,689	10,857	12,858	23,068	15,920	
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	
Stocks, end of month.....thous. of lbs..	137,143	139,499	141,522	139,773	136,840	129,643	124,238	117,622	109,835	115,313	121,666	140,503	
Cast-iron fittings:													
Production.....short tons..	4,592	3,650	4,059	4,165	4,976	5,603	5,763	6,288	6,446	6,506	7,188	9,122	7,684
Shipments.....short tons..	5,822	4,442	4,779	4,508	5,038	5,379	5,665	5,897	6,758	5,358	7,222	9,995	8,804
Malleable fittings:													
Production.....short tons..	2,466	1,959	2,114	2,365	2,471	3,075	3,290	3,379	3,236	3,209	3,322	4,061	3,382
Shipments.....short tons..	2,961	2,041	2,330	2,489	2,784	2,995	3,242	3,432	3,533	2,603	3,108	4,041	3,563
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	
Production, thous. sq. ft. heating surface.....	4,572	4,194	5,025	5,164	5,957	6,781	6,801	6,961	4,097	4,791	5,852	4,643	
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	
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		
Steel—Crude													
Prices, wholesale:													
Composite, finished steel													
Composite, finished steel.....dolls. per 100 lbs..	2.20	2.19	2.20	2.10	2.21	2.22	2.23	2.22	2.22	2.19	2.20	2.22	2.24
Iron and steel composite													
Iron and steel composite.....dolls. per long ton..	31.03	31.05	31.05	31.02	31.39	31.61	31.66	31.65	31.70	31.76	31.95	32.31	32.67
Steel billets, Bessemer (Pittsburgh).....dolls. per long ton..	29.00	29.00	29.00	29.00	29.50	30.00	30.00	30.00	30.00	30.60	31.00	31.00	31.00
Steel billets, Bessemer (Pittsburgh)rel. to 1926.....	82.9	82.9	82.9	82.9	84.3	85.7	85.7	85.7	85.7	87.4	88.6	88.6	88.6
Structural-steel beams (Pittsburgh)dolls. per 100 lbs..	1.60	1.60	1.65	1.65	1.65	1.65	1.65	1.65	1.63	1.60	1.60	1.60	1.60
Structural-steel beams (Pittsburgh)rel. to 1926.....	81.7	81.7	84.3	84.3	84.3	84.3	84.3	84.3	83.0	81.7	81.7	81.7	81.7
Sheets, black, blue, galvanized, and full finished:													
New orders.....net tons..	120,688	122,849	144,461	163,599	148,612	191,987	236,310	168,564	180,863	233,289	135,682	158,700	214,434
Production—													
Per cent of capacity.....per cent..	32.0	34.9	46.3	40.3	56.6	58.2	61.1	57.2	45.1	39.8	43.6	50.6	48.8
Total.....net tons..	116,842	123,752	174,890	147,843	201,846	213,860	224,322	192,218	167,865	145,125	148,550	193,934	179,928
Shipments.....net tons..	123,371	151,529	178,460	156,160	191,942	211,118	208,207	179,138	170,379	144,040	158,182	193,516	186,639
Stocks, end of month—													
Unsold.....net tons..	67,337	75,288	77,952	75,618	82,532	85,415	89,334	92,047	87,496	83,629	96,248	91,024	88,363
Total.....net tons..	143,153	149,533	160,959	168,013	169,444	176,846	189,915	181,614	180,285	184,590	184,586	189,213	185,791
Unfilled orders, end of month.....net tons..	167,366	170,122	203,358	304,107	296,731	325,169	383,280	343,439	360,479	378,601	295,282	319,518	388,599
Steel castings:													
New orders—													
Total.....short tons..	23,043	27,458	32,869	26,136	39,052	46,030	48,184	40,320	46,310	49,387	48,123	45,552	49,542
Miscellaneous.....short tons..	17,020	20,610	19,248	18,539	27,746	29,844	37,172	31,184	32,092	30,131	31,628	32,344	38,394
Railroad specialties.....short tons..	6,023	6,848	13,621	7,597	11,306	16,195	11,012	9,136	14,718	19,256	16,495	13,208	11,148
Per cent of capacity.....per cent..	16	19	23	18	27	32	33	28	32	34	33	32	34
Production—													
Total.....short tons..	26,898	30,186	31,751	35,018	43,154	48,282	56,755	49,548	46,264	46,290	44,290	59,522	61,919
Miscellaneous.....short tons..	19,633	21,529	23,339	25,608	31,083	35,438	42,544	35,638	35,351	32,093	32,445	43,840	44,096
Railroad specialties.....short tons..	7,265	8,657	8,412	9,410	12,071	12,843	14,211	13,910	10,943	14,197	11,845	15,682	17,823
Per cent of capacity.....per cent..	19	21	22	24	30	33	39	34	32	32	31	41	43
Steel ingots, production:													
Canada.....thous. of long tons..	33	52	45	56	75	91	99	83	58	56	72	65	56
United States, total.....thous. of long tons..	1,548	1,719	1,886	2,076	2,505	2,722	2,994	2,502	2,459	1,980	2,212	2,693	2,840
United States, total.....rel. to 1923-25.....	44.8	49.7	54.6	60.1	72.5	78.7	86.6	72.4	71.1	57.3	64.0	77.9	82.2
Per cent of capacity.....per cent..	23	31	34	38	45	54	54	49	43	38	44		

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
IRON AND STEEL—Continued													
Steel—Manufactured Products													
Furniture, steel:													
Business group—													
New orders.....thous. of dollars.....	1,049	1,010	1,092	1,272	1,306	1,424	1,487	1,478	1,841	1,591	1,587	1,833	1,796
Shipments.....thous. of dollars.....	1,178	1,056	1,074	1,221	1,305	1,481	1,522	1,563	1,768	1,774	1,632	1,902	1,934
Unfilled orders, end of month.....thous. of dollars.....	790	919	966	948	897	896	952	986	1,072	999	1,182	1,227	1,297
Shelving—													
New orders.....thous. of dollars.....	304	307	323	452	506	408	455	401	418	283	468	587	553
Shipments.....thous. of dollars.....	310	358	371	449	409	423	481	382	422	515	503	645	542
Unfilled orders, end of month.....thous. of dollars.....	383	390	441	483	480	383	398	424	404	409	641	676	734
Iron, steel, and heavy hardware, sales.....rel. to Jan., 1921.....		110	117	124	129	134	123	104	110	123	139	175	165
Iron and steel:													
Exports.....long tons.....	69,768	73,338	84,466	75,585	91,407	101,081	109,512	91,212	92,745	101,988	111,968	131,850	131,211
Imports.....long tons.....	24,509	*21,898	*28,225	*30,987	*29,689	*40,606	*33,343	*22,479	*33,959	24,338	34,572	29,730	29,793
Lock washers, shipments.....thous. of dollars.....	83	84	96	122	172	179	177	163	140	115	119	153	160
Steel barrels:													
Production.....barrels.....	451,562	449,590	580,565	552,955	610,788	591,399	550,583	450,134	421,514	412,283	497,539	616,121	564,927
Per cent of capacity.....per cent.....	31.7	31.6	40.7	*38.9	43.1	41.9	39.9	33.1	32.6	30.3	36.5	44.1	40.3
Shipments.....barrels.....	452,960	455,502	581,450	549,781	618,801	600,566	554,332	449,485	427,622	406,327	500,409	619,558	565,204
Stocks, end of month.....barrels.....	37,294	38,692	44,604	45,489	42,315	50,328	59,495	63,244	62,595	68,403	62,447	65,317	68,754
Unfilled orders, end of month.....thous. of barrels.....	914	1,030	939	1,078	1,053	1,195	1,253	1,392	1,424	1,437	929	986	1,011
Steel bars, cold finished, shipments, short tons.....	11,576	12,600	14,413	16,360	22,768	25,141	25,011	21,727	21,943	15,747	15,456	20,521	19,338
Steel boilers, new orders:													
Area.....thous. of sq. ft.....	692	595	687	677	603	825	665	622	577	587	709	851	1,282
Quantity.....number.....	893	827	816	818	658	689	630	516	598	814	777	1,189	1,254
Steel plate, fabricated, new orders:													
Total.....short tons.....	33,473	*24,282	27,261	22,806	26,210	29,916	31,056	24,438	27,518	26,787	33,151	30,197	41,066
Oil storage tanks.....short tons.....	4,024	1,138	4,136	4,679	2,411	7,749	2,538	3,585	2,598	5,118	9,965	4,518	14,916
Structural steel, fabricated:													
New orders—													
Computed total.....short tons.....	196,800	124,400	159,200	177,200	152,800	292,800	184,400	158,400	162,400	152,800	151,200	209,200	155,600
Per cent of capacity.....per cent.....	49.2	31.1	39.8	44.3	38.2	73.2	46.1	39.6	40.6	38.2	37.8	52.3	38.9
Shipments—													
Computed total.....short tons.....	150,000	168,800	181,600	162,400	148,000	158,400	151,200	166,400	172,000	168,400	195,200	239,200	243,200
Per cent of capacity.....per cent.....	37.5	42.2	45.4	40.6	37.0	39.6	37.8	41.6	43.0	42.1	48.8	59.8	60.8
Track work, production.....short tons.....	3,472	3,924	4,409	5,705	7,453	8,564	8,944	6,321	5,626	5,174	4,212	5,192	5,642
Enameling Ware													
Baths:													
New orders.....no. of pieces.....	33,578	*35,463	46,704	43,228	42,991	40,111	33,196	28,041	56,494	52,254	30,813	43,750	41,799
Shipments.....no. of pieces.....	34,980	*37,633	47,922	43,584	45,512	40,449	34,938	30,616	68,564	36,008	35,489	48,547	47,970
Stocks, end of month.....no. of pieces.....	134,392	*139,496	138,759	145,140	152,206	163,037	166,158	160,851	148,909	167,932	168,808	166,248	162,302
Unfilled orders, end of month.....no. of pieces.....	12,320	*13,722	15,892	17,110	17,466	19,987	20,325	22,067	24,642	36,712	20,466	25,142	29,939
Lavatories:													
New orders.....no. of pieces.....	41,489	*43,521	53,226	49,181	51,395	45,440	33,851	30,883	71,113	72,493	41,227	52,509	54,369
Shipments.....no. of pieces.....	43,372	*45,262	53,585	50,575	54,520	43,221	36,642	34,438	93,870	48,023	47,078	58,273	62,369
Stocks, end of month.....no. of pieces.....	176,825	*180,226	192,552	200,841	218,067	232,277	230,817	212,395	192,072	205,517	204,496	185,515	
Miscellaneous sanitary ware:													
New orders.....no. of pieces.....	21,911	*27,324	27,106	27,463	21,243	22,995	18,641	15,781	20,785	25,092	21,453	27,840	28,449
Shipments.....no. of pieces.....	22,231	*28,073	29,082	26,453	24,400	21,719	18,811	17,768	33,527	19,680	22,065	29,142	31,485
Stocks, end of month.....no. of pieces.....	86,640	*86,455	94,260	98,384	101,673	107,917	109,508	107,439	106,152	112,460	108,795	106,838	100,535
Sinks:													
New orders.....no. of pieces.....	43,518	*43,174	51,531	49,928	54,603	52,771	41,532	35,873	63,074	61,567	44,897	58,504	57,606
Shipments.....no. of pieces.....	43,070	*44,907	52,963	51,676	56,845	49,443	41,787	39,211	80,095	43,968	51,027	61,486	64,044
Stocks, end of month.....no. of pieces.....	226,410	*236,605	245,354	255,209	260,426	273,154	267,828	259,442	244,880	261,800	253,374	246,632	243,845
Small ware (except baths):													
Unfilled orders, end of month.....no. of pieces.....	39,702	*41,457	45,680	49,637	51,769	60,293	53,470	56,686	65,566	109,086	61,605	74,198	84,246
Shipbuilding													
Rate of activity (elec. energy consumed).....rel. to 1923-25.....	88.9	85.6	82.0	84.8	89.7	92.5	98.3	114.8	113.9	99.0	105.5	121.5	124.1
Building or under contract, end of month—													
Merchant vessels.....thous. of gross tons.....		299	326	359	370	397	409	412	421	344	359	366	423
Completed during month—													
Total.....gross tons.....	27,906	11,554	30,471	22,647	34,527	13,766	17,443	25,622	29,413	25,971	53,551	51,667	32,083
Steel, seagoing.....gross tons.....	25,002	7,150	25,363	16,964	28,613	4,985	13,976	9,703	21,045	18,391	39,830	16,895	20,125
Machinery													
Electric hoists:													
New orders—													
Quantity.....no. of hoists.....	132	203	90,192	220	298	276	261	205	335	231	267	259	274
Value.....dollars.....	63,032	*85,526	90,964	109,245	142,962	125,550	117,216	113,862	133,295	126,592	122,136	141,615	149,861
Shipments.....dollars.....	81,465	73,163	142,143	122,189	115,800	101,746	134,995	112,363	132,157	106,459	115,849	137,608	140,598
Electric overhead cranes:													
New orders.....thous. of dollars.....	84	91	160	261	307	274	671	268	423	302	370	353	614
Shipments.....thous. of dollars.....	235	345	435	410	310	416	261	530	496	671	587	677	942
Unfilled orders, end of month.....thous. of dollars.....	581	736	990	1,264	1,413	1,420	1,552	1,207	1,407	1,517	1,864	1,948	2,124
Foundry equipment:													
New orders.....rel. to 1922-24.....	31.9	16.9	38.7	40.9	54.1	57.7	174.4	54.7	65.3	59.8	45.3	50.0	91.0
Shipments.....rel. to 1922-24.....	29.6	37.4	55.7	90.4	118.6	69.7	72.9	55.4	54.7	102.6	76.5	62.0	66.0
Unfilled orders, end of month.....rel. to 1922-24.....	35.6	32.1	51.8	70.1	123.8	180.1	314.6	93.5	94.6	82.3	124.9	150.1	170.8
Machine tools:													
New orders.....rel. to 1922-24.....	56	72	62	74	87	105	118	84	67	69	60	90	136
Shipments.....rel. to 1922-24.....	92	96	72	95	96	91	92	73	75	85	67	103	96
Unfilled orders, end of month.....rel. to 1922-24.....	140	182	202	212	232	238	225	204	179	203	230	238	208
Oil burners:													
New orders.....no. of burners.....	12,329	10,621	8,010	6,046	5,132	5,528	4,836	3,699	3,842	5,			

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September	
IRON AND STEEL—Continued														
Machinery—Continued														
Patents granted:														
Agricultural implements.....number.....	62	54	55	79	60	67	67	44	41	58	52	41	43	
Internal-combustion engines.....number.....	66	69	60	67	58	68	68	76	58	67	54	49	35	
Total, all classes.....number.....	4,750	4,088	3,962	5,270	4,270	4,167	4,789	3,715	3,215	4,251	3,023	2,871	2,871	
Pulverized-fuel equipment:														
New orders, central system—														
Furnaces and kilns.no. of pulverizers.....	0	1	0	0	0	0	0	2	0	0	0	0	0	2
Water-tube boilers.no. of pulverizers.....	0	0	0	0	0	2	2	1	2	0	0	0	0	0
New orders, unit system—														
Fire-tube boilers...no. of pulverizers.....	4	4	5	4	3	1	2	3	6	0	5	0	6	
Furnaces and kilns.no. of pulverizers.....	1	1	1	3	1	1	2	0	0	3	2	2	3	
Water-tube boilers.no. of pulverizers.....	3	4	11	14	0	9	13	2	8	3	15	10	24	
Pumps:														
Domestic shipments—														
Pitcher, hand, and wind-mill.....no. of units.....	20,490	22,379	24,579	26,330	22,417	24,255	25,181	32,902	24,873	23,056	21,562	26,917	36,834	
Power, horizontal type..no. of units.....	1,063	2,197	2,312	2,229	2,135	2,145	1,772	1,657	1,564	1,325	1,238	1,902	1,881	
Steam, power, and centrifugal—														
New orders.....thous. of dolls.....	598	775	874	875	921	1,075	950	765	773	1,047	967	1,027	1,212	
Shipments.....thous. of dolls.....	883	800	944	1,028	1,037	918	1,036	873	718	1,205	1,116	1,167	1,183	
Unfilled orders, end of month.....thous. of dolls.....	2,162	2,450	2,441	2,471	2,605	2,762	2,616	2,717	2,826	2,812	2,975	3,124	3,267	
Stokers, mechanical, sales:														
Power.....horsepower.....	22,462	31,171	20,735	29,889	23,646	18,723	17,993	13,849	25,902	11,726	21,103	38,276	42,899	
Quantity.....number.....	90	132	101	111	80	65	63	66	85	53	71	92	128	
Water-softening apparatus, shipments.....no. of units.....	500	429	525	567	605	692	756	591	664	566	647	655	684	
Water-systems, shipments.....no. of units.....	6,681	7,850	7,640	8,694	9,090	7,638	6,105	5,434	6,010	5,177	6,401	7,522	8,202	
Wood-working machinery:														
Cancellations.....thous. of dolls.....	6	16	46	21	10	16	13	9	21	16	17	17	17	
New orders.....thous. of dolls.....	447	533	503	487	484	527	474	486	470	459	605	648		
Shipments.....thous. of dolls.....	572	448	463	513	451	545	491	383	500	506	504	516		
Shipments.....no. of machines.....	513	421	391	393	356	400	421	400	529	442	441	488		
Unfilled orders, end of month.....thous. of dolls.....	356	534	479	516	518	479	502	557	467	520	636	588		
NONFERROUS METALS AND PRODUCTS														
UCTS														
Prices, wholesale, metal and metal products.....rel. to 1926.....	87.2	87.1	87.5	87.4	87.8	88.7	89.0	88.9	89.3	90.0	90.2	90.4	91.8	
Production index (Fed. Res. Bd.).....rel. to 1923-25.....	64	64	65	68	73	73	77	79	78	85	87	95	97	
Production index (elec. energy consumed).....rel. to 1923-25.....	75.0	73.3	69.3	78.6	94.0	94.6	103.5	112.3	95.0	97.8	89.6	87.0	97.4	
Stocks, end of month.....rel. to 1923-25.....	201.3	199.9	203.3	213.7	219.3	220.4	219.9	224.4	227.4	228.1	231.1	234.1	223.3	
Stocks, raw materials, end of month.....rel. to 1923-25.....	150.6	147.9	137.7	127.7	122.4	126.9	144.8	130.7	130.9	129.6	139.8	134.1	137.0	
Raw Materials														
Babbitt metal consumption:														
Direct by producers.....thous. of lbs.....	497	404	511	702	731	716	832	687	766	647	791	1,033	1,042	
Sale to consumers.....thous. of lbs.....	1,355	1,377	1,420	1,605	1,678	1,844	1,829	1,820	2,090	1,459	1,904	2,069	1,850	
Total apparent.....thous. of lbs.....	1,852	1,781	1,932	2,307	2,409	2,560	2,661	2,507	2,856	2,107	2,695	3,101	2,892	
Copper:														
Exports.....short tons.....	17,201	19,271	22,381	23,244	22,951	24,179	31,536	28,947	42,192	32,208	37,773	30,715	30,478	
Domestic shipments, refined.....short tons.....	40,459	45,816	43,144	50,217	45,265	54,567	74,685	60,636	60,209	69,854	62,693	75,703	65,169	
Price, wholesale, electrolytic (N. Y.).....dollars per lb.....	.0699	.0729	.0770	.0803	.0867	.0939	.0985	.0972	.0984	.1030	.1011	.0960	.1031	
Production—														
Index (Fed. Res. Bd.).....rel. to 1923-25.....	60	59	59	67	68	69	70	76	72	76	83	83	89	
Mines.....short tons.....	38,088	38,925	38,228	44,473	45,580	46,452	48,702	47,504	48,059	48,726	53,141	55,954	56,584	
Refined (N. and S. America).....short tons.....	86,704	90,190	96,408	98,275	102,695	100,501	102,058	99,853	102,458	106,366	112,646	118,229	116,004	
Smelters.....short tons.....	47,012	47,246	46,503	51,652	55,734	52,085	57,922	55,229	53,429	60,022	64,816	70,419	68,487	
Stocks (N. and S. America), end of month—														
Blister.....short tons.....	178,425	176,105	179,658	187,353	190,578	193,876	198,811	203,224	210,637	218,799	223,280	240,145	236,464	
Refined.....short tons.....	479,896	455,775	440,417	413,474	398,667	367,921	354,205	363,629	363,827	367,175	369,832	364,930	360,650	
Refined.....rel. to 1923-25.....	423.9	402.6	389.1	365.3	352.2	325.0	312.9	321.2	321.4	324.4	326.7	324.4	318.6	
World production, blister.....short tons.....	120,689	121,655	121,504	126,722	130,486	128,877	136,958	128,685	129,390	136,252	143,214	157,344	156,705	
Lead:														
Ore shipments—														
Joplin district.....short tons.....	2,911	3,064	2,290	1,432	1,881	1,995	3,762	2,508	2,721	2,896	3,963	3,381	2,746	
Utah.....short tons.....	25,305	27,711	31,577	28,806	41,576	34,816	35,498	46,902	55,331	48,705	48,400	63,584	52,907	
Production, refined.....short tons.....	31,966	34,144	32,157	30,708	33,519	35,498	41,775	39,464	43,405	48,517	43,423	50,402	48,491	
Production (Fed. Res. Bd.).....rel. to 1923-25.....		61	64	60	78	71	79	82	83	92	83	94	101	
Price, pig, desilverized (New York).....dollars per lb.....	.0440	.0440	.0440	.0392	.0382	.0441	.0453	.0455	.0480	.0510	.0510	.0515	.0550	
Receipts in United States, ore.....short tons.....		33,385	30,136	32,551	35,677	34,694	37,878	35,512	42,110	40,462	38,820	46,237	48,354	
Tin:														
Deliveries (consumption).....long tons.....	5,015	5,270	5,100	5,185	5,505	6,630	6,120	5,100	7,210	7,495	6,270	7,580	7,250	
Imports (bars, blocks, etc.).....long tons.....	4,882	5,249	5,587	4,698	5,483	6,126	6,986	5,903	8,113	6,659	6,470	5,929	5,523	
Price, wholesale, Straits (New York).....dollars per lb.....	.2468	.2575	.2502	.2341	.2320	.2512	.2707	.2631	.2610	.2527	.2589	.2686	.2964	
Price, wholesale, Straits (New York).....rel. to 1923-25.....		37.8	39.4	38.3	35.8	35.5	38.5	41.5	40.3	40.0	38.7	39.6	41.1	45.4
Stocks, end of month—														
United States.....long tons.....	5,868	6,213	5,833	5,633	5,698	6,212	7,917	5,862	4,904	4,693	5,372	4,823	6,323	
World visible supply.....long tons.....	50,722	50,987	51,707	51,626	51,231	48,462	48,607	49,339	43,619	42,498	40,811	39,676	40,150	
Zinc:														
Ore, Joplin district.....short tons.....	17,113	20,243	12,059	14,395	22,470	27,261	17,163	25,389	25,987	31,056	39,478	33,474	32,122	
Shipments.....short tons.....														
Stocks, mines, end of month.....short tons.....	81,190	79,533	76,566	70,935	65,480	61,110	63,001	58,534	56,013	47,000	49,441	45,689	41,663	
Price, slab, prime western (St. Louis).....dollars per lb.....	.0374	.0382	.0389	.0342	.0331	.0372	.0400	.0401	.0404	.0410	.0427	.0406	.0427	
Price, slab, prime western (St. Louis).....rel. to 1926.....		51.0	52.0	53.0	46.6	45.1	50.7	54.5	54.6	55.0	58.2	55.3	58.2	
Production.....short tons.....	21,356	21,467	21,365	23,483	25,688	29,137	32,328	29,562	32,522	32,733	32,097	40,922	40,470	
Retorts in operation, end of month.....number.....	22,817	21,705	21,666	21,422	23,024	29,072	34,221	35,518	35,635	33,640	37,492	41,004	44,974	
Stocks, end of month.....short tons.....	130,155	129,701	131,833	138,928	1									

MONTHLY BUSINESS STATISTICS—Continued

1931										1930			
September	August	July	June	May	April	March	February	January	December	November	October	September	
NONFERROUS METALS AND PRODUCTS—Continued													
Manufactured Products													
Electrical equipment:													
Delinquent accounts, electrical trade. (See under Distribution movement.)													
Electric furnaces, new orders...kilowatts.	1,231	3,975	1,956	1,732	2,680	1,791	2,046	2,358	4,509	1,489	2,202	3,317	2,866
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	2,001	2,144	1,458	2,523	2,253	2,007	1,834	2,044	2,453	
Special...dollars.	74,183	66,906	77,194	78,983	76,313	78,716	86,471	86,976	91,564	93,677	131,815	99,576	
Standard...dollars.	38,303	33,042	41,331	57,462	52,009	52,599	64,823	87,794	51,016	47,994	73,659	65,581	
Tubes...thous. of pieces.	971	516	592	1,309	890	783	1,125	875	522	801	1,156	334	
Unglazed nail knobs...thous. of pieces.	901	562	929	2,323	1,281	1,224	1,386	1,752	1,159	1,164	1,615	1,222	
Industrial reflectors, sales...units.	54,691	56,735	61,794	66,188	67,256	72,003	69,484	68,285	65,501	76,659	115,736	113,316	125,736
Laminated phenolic products, shipments—													
Manufactured mica—													
Shipments...thous. of dolls.	644	637	623	637	711	633	689	630	605	551	674	1,023	854
Unfilled orders, end of month													
<thous. dolls.<="" of="" th=""><td>103</td><td>81</td><td>92</td><td>128</td><td>135</td><td>142</td><td>137</td><td>133</td><td>101</td><td>132</td><td>150</td><td>141</td><td></td></thous.>	103	81	92	128	135	142	137	133	101	132	150	141	
Motors (direct current)—													
Billings (shipments)...dollars.	365,877	360,444	450,165	455,325	473,767	445,833	418,223	393,558	500,165	433,530	621,114	596,670	
New orders...dollars.	299,081	377,129	402,130	440,476	536,272	396,958	450,204	680,251	617,454	457,518	474,611	820,444	
Nonmetallic conduits, ship- ments...thous. of feet.				4,487	2,777	2,447	4,091	5,112	3,503	3,667	3,997	2,417	
Power cables, shipments...thous. of feet.	806	840	890	1,106	1,303	1,619	1,630	1,326	1,139	1,678	1,824	1,957	
Power switching equipment, new orders—													
Indoor...dollars.	40,586	48,707	47,041	52,697	73,567	111,875	75,303	64,736	76,052	77,248	69,202	84,160	
Outdoor...dollars.	188,043	175,629	300,325	240,081	208,713	216,145	269,425	201,344	228,862	178,160	219,282	342,771	298,354
Vulcanized fiber—													
Consumption...thous. of lbs.	1,407	1,345	1,783	1,624	1,541	1,475	1,975	1,652	1,369	1,421	1,513	1,824	
Shipments, total...thous. of dolls.	332	348	344	402	419	432	484	426	385	318	359	465	
Welding sets, new orders—													
Multiple operations...units.		0	0	2	0	8	11	4	23	13	2	6	
Single operation...units.		80	120	134	165	169	177	136	155	152	153	200	
Miscellaneous products:													
Brass sheets...rel. to 1926	79.7	80.9	82.5	82.8	86.8	90.4	91.4	89.7	90.7	93.6	92.7	88.9	92.5
Copper-wire cloth—													
New orders...thous. of sq. ft.	339	326	328	275	275	299	357	309	404	337	269	363	
Make and hold orders, end of month...thous. of sq. ft.	509	504	546	560	514	554	557	530	574	539	530	606	
Production...thous. of sq. ft.	333	330	302	253	340	330	297	332	334	310	384		
Shipments...thous. of sq. ft.	316	330	324	274	277	308	304	311	309	303	356		
Stocks, end of month...thous. of sq. ft.	911	889	898	934	1,073	1,096	1,079	1,083	1,097	1,145	1,176	1,160	
Unfilled orders, end of month...thous. of sq. ft.	135	134	158	145	302	174	186	211	217	165	166	199	
Enamelled sheet-metal ware, shipments...dozen pieces.				251,544	246,858	232,672	264,953	281,339	312,916	289,205	267,232	250,568	263,365
Pails and tubs, galvanized—													
Production...dozen pieces.	136,003	103,345	92,460	121,413	143,258	147,278	132,781	103,677	87,140	60,798	130,906	103,177	
Shipments...dozen pieces.	129,693	114,134	90,747	122,072	140,080	144,052	120,723	138,538	68,898	68,330	115,185	116,875	
Other galvanized ware—													
Production...dozen pieces.		34,709	26,970	26,304	28,390	34,929	31,542	34,347	23,716	21,657	16,061	40,084	
Shipments...dozen pieces.		32,764	27,334	28,724	34,188	42,287	29,579	28,142	25,958	15,915	21,296	41,126	
PAPER													
New orders...rel. to 1923-25		90.3	*93.2	90.7	102.7	101.3	99.3	96.7	97.2	85.8	93.2	106.0	
Production index (Fed. Res.)													
Bd...rel. to 1923-25		105	109	108	113	110	110	110	106	98	103	107	
Production index (elect. energy consumed) (paper and pulp)...rel. to 1923-25	138.3	121.7	104.0	112.4	135.1	109.6	123.0	127.0	111.8	117.0	112.3	120.0	
Stocks, end of month...rel. to 1923-25	128.2	128.6	*128.6	129.7	126.1	131.2	123.4	128.6	125.9	122.6	121.7	118.1	
Wood Pulp													
Ground wood:													
Consumption and shipments...short tons.	100,180	111,463	118,371	118,157	116,914	111,165	96,823	108,349	109,740	110,502	121,335	109,860	
Imports...short tons.	18,750	14,433	17,725	13,512	12,851	23,136	14,652	15,656	14,394	27,024	31,305	29,502	
Production...short tons.	87,638	102,197	121,103	136,858	136,438	116,311	95,937	107,208	110,578	102,957	96,465	92,872	
Stocks, end of month...short tons.	91,434	103,975	115,235	111,832	93,131	73,606	68,460	69,346	75,498	74,600	82,205		
Soda:													
Consumption and shipments...short tons.	24,278	23,502	23,572	25,960	27,412	27,660	27,884	28,512	27,128	28,346	28,954		
Production...short tons.	25,508	24,362	24,834	27,230	28,102	29,304	29,422	28,560	28,966	30,684	30,052		
Stocks, end of month...short tons.	4,620	4,502	4,660	4,480	4,414	4,998	4,624	4,306	5,118	4,936	5,642		
Sulphite, unbleached:													
Consumption and shipments...short tons.	19,026	17,544	16,799	19,020	21,178	18,882	20,554	20,194	18,272	22,316	18,938		
Imports...short tons.	49,300	52,061	52,745	34,483	30,724	34,289	50,271	87,600	63,870	52,286	52,850		
Price...dollars per 100 lbs.	2.15	2.15	2.15	2.15	2.15	2.35	2.48	2.48	2.48	2.48	2.48		
Production...short tons.	16,922	17,924	19,092	19,494	21,076	18,878	19,384	20,354	17,860	18,532	22,166		
Stocks, end of month...short tons.	5,052	5,578	5,500	4,256	3,936	4,316	4,320	5,490	5,474	5,886	5,592		
Sulphite, bleached:													
Consumption and shipments...short tons.	37,818	35,448	38,080	37,440	37,272	40,544	43,090	41,616	38,844	40,634	48,118		
Imports...short tons.	29,510	23,109	29,558	28,614	30,511	32,863	25,592	36,095	30,322	30,595	30,484		
Production...short tons.	37,736	35,262	39,048	38,262	36,092	40,600	40,462	41,402	38,693	40,938	47,790		
Stocks, end of month...short tons.	5,718	5,800	5,986	5,018	4,196	5,376	5,320	7,948	8,206	9,352	9,048		
Total sulphite:													
Consumption and shipments...short tons.	108,924	105,294	111,282	110,722	115,960	115,794	117,122	121,774	116,830	120,780	141,852	128,936	
Production...short tons.	107,430	107,664	115,200	110,840	115,974	115,022	112,552	120,628	117,158	121,276	146,264	129,484	
Stocks, end of month...short tons.	23,710	23,626	21,558	18,698	18,734	18,998	19,770	24,340	28,720	27,896	29,484		
Sulphate:													
Consumption and shipments...short tons.	37,240	38,156	39,828	39,590	39,082	34,014	35,880	33,722	33,190	34,110	41,446	38,900	
Production...short tons.	39,110	39,223	40,948	41,870	41,292	36,542	38,104	36,674	36,204	37,208	44,454	42,378	
Stocks, end of month...short tons.	5,330	6,050	7,524	9,076	9,594	10,152	10,092	10,426	10,006	9,494	8,974	8,956	
Other grades:													
Consumption and shipments...short tons.	754	1,078	778	1,072	844	1,184	1,016	1,258					
Production...short tons.	890	1,202	774	514	898	1,188	1,098	1,190					
Stocks, end of month...short tons.	462	326	202	206	764	710	706	624					
Total chemical (all grades):													
Consumption...short tons.	171,196	168,030	175,460	177,344	183,298	178,652	181,902	185,266	177,272	183,346	212,388	196,714	
Production...short tons.	172,938	172,456	181,756	180,454	186,266	182,056	181,176	187,594	182,014	187,572	215,570	201,800	
Stocks, end of month...short tons.	34,122	34,504	33,944	32,460	33,506	34,888	39,756	43,872	42,882	42,560	43,714		

• Revised.

* Quarter ended in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930				
	September	August	July	June	May	April	March	February	January	December	November	October	September	
PAPER AND PRINTING—Continued														
Paper														
Box board:														
Consumption of waste paper, short tons	205,084	200,138	213,686	208,513	227,125	206,571	210,590	191,331	199,229	162,528	190,502	228,588	223,071	
New orders	235,282	215,752	221,048	223,990	236,173	224,021	222,511	198,296	211,782	173,258	200,199	247,209	226,899	
Operation, thous. of inch hours	7,946	7,635	8,114	8,200	8,727	7,903	8,175	7,345	7,520	6,261	7,114	8,391	7,907	
Operation, p. et. of capacity	70.9	65.9	69.6	70.3	77.8	67.8	70.1	71.2	64.5	53.1	65.3	68.5	69.7	
Production	221,684	213,614	222,927	224,110	232,020	230,537	226,011	205,785	211,691	176,483	203,381	253,889	228,257	
Shipments	221,261	218,244	221,980	223,328	231,746	227,806	224,023	203,202	209,660	175,170	202,042	251,810	228,439	
Stocks, end of month	79,580	79,157	83,787	82,840	82,058	81,784	79,053	77,065	74,482	72,451	71,138	89,799	67,720	
Stocks of waste paper, end of month—														
In transit and unshipped														
purchases	45,386	47,549	47,052	50,558	39,209	25,026	51,301	35,229	34,510	34,292	30,649	34,910	45,900	
At mills	149,029	148,042	166,006	169,570	182,812	167,478	167,846	191,507	197,699	201,597	184,598	177,486	165,499	
Unfilled orders, end of month	61,327	47,206	49,698	50,630	49,968	45,541	49,326	50,838	55,744	53,622	55,534	57,377	61,978	
Newsprint:														
Consumption by publishers,														
U. S.	152,422	146,249	157,119	161,265	179,836	174,325	179,340	150,403	160,660	166,645	184,615	183,388	163,895	
Exports, Canada	161,171	160,175	157,205	189,739	185,432	152,360	200,545	144,236	153,362	225,495	173,149	200,776	194,820	
Imports, United States	159,946	157,037	173,457	188,919	192,688	175,242	169,345	148,388	172,110	194,144	195,953	209,944	175,996	
Price, roll, f. o. b. mill, dollars per cwt.							3.10	3.10	3.10	3.25	3.25	3.25	3.25	
Production—														
Canada	178,412	165,124	182,731	193,971	202,607	205,838	187,005	164,552	182,657	184,755	201,703	213,817	195,490	
United States, total	91,241	88,344	99,548	101,086	101,202	102,450	100,590	88,788	101,990	99,276	92,237	105,450	95,261	
Per cent of capacity	64	59	67	68	69	70	68	65	69	69	68	72	70	
Shipments—														
Canada	178,181	162,303	175,350	194,144	202,280	205,752	187,730	162,350	180,027	188,845	213,673	221,748	193,835	
United States	90,303	89,047	97,225	100,087	102,555	101,819	101,044	90,901	100,440	99,062	93,631	102,808	96,048	
Stocks, end of month—														
At mills—														
Canada	50,451	49,128	47,288	39,832	39,962	39,754	39,850	42,250	38,768	36,777	40,372	52,547	62,495	
United States	33,517	32,607	33,616	33,906	32,956	34,289	32,254	33,627	33,903	32,061	31,818	33,318	30,879	
At publishers, U. S.	107,716	202,121	203,944	189,990	178,333	185,560	190,728	211,142	217,889	217,651	198,151	211,716	215,685	
In transit to publishers,														
U. S.	34,379	30,879	34,566	39,041	44,850	45,352	44,011	39,486	39,022	38,821	50,539	41,017	41,970	
Other paper:														
Binders' board, production	short tons	1,323	1,695	2,069	1,535	1,486	1,809	1,401	1,543	1,515	1,477	1,317	1,894	1,342
Book paper:														
Production	short tons	106,439	106,015	113,022	117,600	117,374	117,964	114,303	125,335	100,188	93,897	103,525	102,602	
Per cent of capacity	per cent	71	71	77	78	79	80	85	79	75	73	74	81	
Shipments	short tons	104,097	107,075	111,327	113,140	118,782	119,026	117,849	127,466	101,090	93,428	106,838	100,345	
Stocks, end of month	short tons	92,684	89,984	90,985	92,464	87,395	89,088	90,353	94,413	114,302	115,340	114,766	118,315	
New orders—														
Coated	p. et. of normal production	53	58	52	70	64	76	66	65	63	68	73	73	
Uncoated	p. et. of normal production	61	60	65	67	68	74	76	75	69	70	69	69	
Unfilled orders, end of month—														
Coated	days' production	5	6	5	7	7	6	8	6	7	7	8	8	
Uncoated	days' production	5	5	6	6	6	6	6	6	6	5	5	6	
Fine paper:														
Production	short tons	26,386	26,408	29,364	30,793	32,451	35,141	32,534	32,835	25,485	29,085	34,486	31,608	
Per cent of capacity	per cent	55	55	59	64	67	74	73	66	52	64	72	66	
Shipments	short tons	27,441	27,728	28,395	31,501	33,100	33,981	32,339	34,707	24,873	28,387	34,624	29,996	
Stocks, end of month	short tons	58,658	59,723	62,725	61,758	62,459	62,905	61,340	61,148	68,310	67,701	67,009	67,136	
Wrapping paper:														
Production	short tons	79,889	78,074	78,174	78,377	79,261	75,404	72,281	71,826	74,554	76,628	83,905	74,704	
Per cent of capacity	per cent	90	88	87	88	91	85	88	82	78	83	84	81	
Shipments	short tons	78,052	78,777	76,845	76,888	80,371	76,083	71,920	71,970	73,137	77,701	84,744	77,916	
Stocks, end of month	short tons	77,019	75,146	76,051	78,107	76,582	77,718	78,404	78,047	72,333	70,881	71,916	72,732	
All other grades:														
Production	short tons	77,382	74,728	75,655	78,509	80,983	74,123	70,054	78,378	75,094	77,846	87,455	84,954	
Shipments	short tons	80,668	74,062	75,895	83,882	81,268	74,156	69,735	72,122	71,717	78,349	88,985	85,708	
Stocks, end of month	short tons	67,769	70,755	69,174	68,734	71,545	69,540	67,618	65,594	65,777	62,400	62,903	64,432	
Total paper (including newsprint and box board):														
Production	short tons	591,931	607,700	621,411	638,510	643,056	629,233	583,748	622,055	551,080	573,174	668,710	617,386	
Per cent of capacity	per cent	67	70	71	72	74	73	71	66	65	69	74	74	
Shipments	short tons	596,710	606,847	615,877	639,712	643,146	628,343	585,946	621,365	545,049	573,538	669,809	618,452	
Stocks, end of month	short tons	412,610	413,011	415,681	416,077	414,054	410,558	408,407	406,587	425,234	419,278	419,711	421,214	
PAPER PRODUCTS														
Paper-board shipping boxes:														
Operating time—														
Corrugated	p. et. of normal	82	80	78	81	84	81	79	78	63	60	70	80	
Solid fiber	p. et. of normal	71	68	68	71	65	67	62	61	54	58	57	65	
Total	p. et. of normal	79	77	76	79	79	78	75	74	61	60	67	73	
Production—														
Corrugated	thous. of sq. ft.	448,910	449,285	402,031	416,282	417,407	401,574	391,043	382,305	305,274	283,933	347,876	425,900	
Solid fiber	thous. of sq. ft.	103,740	106,800	95,582	99,754	100,301	102,609	98,875	91,966	77,921	75,507	80,360	90,955	
Total	thous. of sq. ft.	552,650	556,085	497,613	516,036	517,708	504,483	484,938	474,271	383,195	359,440	428,236	518,388	
Rope paper sacks, shipments, rel. to 1921-22		75	67	65	44	55	60	65	77	84	66	79	88	
PRINTING														
Blank forms, new orders	thous. of sets	47,351	45,455	50,357	48,322	55,266	48,877	52,887	48,751	50,587	69,004	47,878	60,812	
Printing activity	rel. to 1923		76	77	84	96	97	98	96	95	95	91	93	
Sales books:														
New orders	thous. of books	10,275	10,511	10,321	10,514	11,587	10,284	11,204	10,054	10,735	9,455	11,053	12,217	
Shipments	thous. of books	11,241	10,501	9,997	10,382	10,585	11,079	10,669	10,652	10,454	10,893	10		

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
RUBBER—Continued													
Crude Rubber—Continued													
Prices, wholesale, smoked sheets, New York.....dollars per lb.	0.050	0.054	0.063	0.063	0.064	0.064	0.077	0.076	0.082	0.089	0.089	0.084	0.080
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													
World shipments, plantation.....long tons	65,392	66,600	62,090	68,628	63,395	71,218	65,719	65,714	65,661	63,065	71,934	74,941	151,173
World stocks, end of month:													
Afloat.....long tons				84,156	90,768	86,867	93,379	78,159	88,959	86,469	82,687	80,236	84,435
Europe.....long tons				140,192	139,261	140,265	143,747	142,520	137,452	130,247	127,553	121,131	119,010
Producing countries.....long tons				42,775	43,364	43,760	41,176	42,806	45,782	43,958	43,154	36,118	37,564
United States.....long tons				244,627	255,746	225,346	219,405	224,211	215,523	210,611	207,085	201,000	190,617
World total.....long tons				511,750	509,139	496,238	497,707	487,696	487,716	471,285	460,479	439,728	427,427
Reclaimed rubber:													
Production, quarterly.....long tons								38,540		32,115		30,477	
Stocks, end of quarter.....long tons								15,782		16,142		18,534	
Scrap rubber:													
Consumption by reclaimers, quarterly.....long tons								47,666		41,274		36,378	
Stocks at reclaimers, end of quarter.....long tons								59,103		57,198		59,464	
Tires and Tubes													
Pneumatic casings:													
Production.....thousands				3,125	3,941	4,538	4,543	3,955	3,730	3,188	2,940	2,251	2,123
Shipments—													
Domestic.....thousands				3,845	24,244	4,320	4,197	3,804	3,143	2,580	2,855	2,550	2,119
Exports.....thousands				123	125	137	135	142	155	142	140	139	148
Stocks, end of month.....thousands				7,117	7,936	8,358	8,250	8,025	8,012	7,629	7,166	7,203	7,676
Solid and cushion tires:													
Production.....thousands				12	13	12	11	12	11	11	13	13	18
Shipments—													
Domestic.....thousands				15	15	14	14	14	15	12	12	12	19
Exports.....thousands				1	1	1	1	1	1	1	1	1	1
Stocks, end of month.....thousands				51	55	57	61	64	69	73	75	76	78
Inner tubes:													
Production.....thousands				3,548	3,964	4,236	4,330	3,693	3,560	3,133	2,898	2,448	2,144
Shipments—													
Domestic.....thousands				4,158	4,569	4,228	4,135	3,610	2,922	2,619	3,147	2,634	2,147
Exports.....thousands				82	96	89	89	99	109	101	102	96	84
Stocks, end of month.....thousands				7,019	7,672	8,403	8,439	8,330	8,380	7,937	7,552	7,999	8,250
Raw material consumed:													
Fabrics.....thous. of lbs.				11,745	15,140	17,085	18,010	15,244	14,041	12,002	12,738	8,358	8,418
Crude rubber.....thous. of lbs.				36,232	46,697	51,280	53,418	45,016	41,851	36,651	36,319	25,537	26,253
Miscellaneous Rubber Products													
Calendered rubber clothing:													
Net orders.....no. coats and sundries	23,966	21,580	17,932	21,161	19,380	16,846	19,380	16,361	21,884	12,881	15,493	25,082	39,364
Production.....no. coats and sundries		22,728	27,080	14,431	15,419	18,094	16,803	19,220	18,276	13,059	20,791	22,623	41,291
Mechanical rubber goods, shipments:													
Belting.....thous. of dolls.				802	914	798	790	832	889	722	759	675	779
Hose.....thous. of dolls.				1,161	1,436	1,650	1,857	2,129	1,892	1,611	1,440	1,337	1,276
All other.....thous. of dolls.				1,393	1,356	1,431	1,584	1,656	1,631	1,378	1,400	1,326	1,345
Total.....thous. of dolls.				3,356	3,706	3,879	4,231	4,617	4,412	3,711	3,599	3,338	3,400
Rubber bands, shipments.....thous. of lbs.		201	195	246	209	215	259	231	222	211	165	165	197
Rubber flooring, shipments.....thous. of sq. ft.		595	595	577	576	569	496	366	365	597	432	682	529
Rubber and canvas footwear:													
Tennis—													
Production.....thous. of pairs				1,021	836	1,999	2,142	2,591	2,609	2,492	2,409	1,875	1,940
Shipments, domestic.....thous. of pairs				1,223	1,520	2,657	4,372	3,624	2,879	2,343	2,318	871	319
Exports.....thous. of pairs				29	125	100	121	150	236	200	110	175	148
Stocks.....thous. of pairs				5,704	5,957	6,766	7,523	8,889	10,960	11,451	11,563	10,712	9,239
Waterproof, total—													
Production.....thous. of pairs				2,361	1,570	1,922	1,261	1,102	874	958	1,272	2,214	2,736
Shipments, domestic.....thous. of pairs				2,842	1,510	1,173	626	1,070	944	1,015	1,549	3,888	4,212
Exports.....thous. of pairs				151	117	108	50	72	53	92	74	63	135
Stocks.....thous. of pairs				16,366	16,978	16,763	16,357	15,733	15,803	16,030	16,179	17,172	18,449
Grand total—													
Production.....thous. of pairs				3,382	2,407	3,921	3,402	3,693	3,483	3,450	3,681	4,089	4,675
Shipments, domestic.....thous. of pairs				4,065	3,030	3,830	4,998	4,694	3,822	3,358	3,867	4,759	4,531
Exports.....thous. of pairs				180	242	208	171	222	288	292	184	237	282
Stocks.....thous. of pairs				22,070	22,935	23,528	23,881	25,622	26,762	27,481	27,685	28,806	29,160
Rubber heels:													
Production.....thous. of pairs				15,827	16,203	15,361	17,093	15,474	15,408	14,661	13,156	12,973	13,101
Shipments—													
Exports.....thous. of pairs				501	514	540	630	612	578	577	658	748	838
Repair trade.....thous. of pairs				6,994	5,355	4,058	4,946	3,975	4,038	4,868	4,854	3,939	3,450
Shoe manufacturers.....thous. of pairs				9,724	11,653	11,177	10,522	9,693	10,112	10,991	8,397	8,471	6,618
Stocks, end of month.....thous. of pairs				23,952	25,832	27,006	27,898	28,491	27,764	26,708	29,335	30,302	29,741
Rubber-proofed fabrics, production:													
Auto fabrics.....thous. of yds.					596	531	701	982	710	738	644	577	476
Raincoat fabrics.....thous. of yds.					2,226	1,843	1,355	1,066	1,040	863	567	738	697
All other.....thous. of yds.					965	963	1,156	1,002	1,271	1,168	973	891	864
Total.....thous. of yds.					3,787	3,337	3,212	3,050	3,381	2,769	2,184	2,206	1,909
Rubber soles:													
Production.....thous. of pairs					2,880	2,933	2,864	3,177	2,885	2,692	2,292	2,724	2,481
Shipments—													
Exports.....thous. of pairs					90	67	67	59	62	69	14	36	11
Repair trade.....thous. of pairs					290	234	196	225	330	255	408	290	287
Shoe manufacturers.....thous. of pairs					2,640	2,790	2,569	2,809	2,651	2,474	2,145	2,259	2,090
Stocks, end of month.....thous. of pairs					2,264	2,395	2,475	2,461	2,655	2,764	2,876	3,167	3,032

*Revised.

†Quarter ended in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
STONE, CLAY, AND GLASS													
New orders.....rel. to 1923-25.....	51.7	46.7	*49.0	60.0	52.3	48.7	55.3	48.0	53.3	48.7	53.3	66.3	64.3
Production index (elect. energy consumed).....rel. to 1923-25.....	113.9	105.9	104.8	118.7	132.0	116.5	105.1	102.6	75.3	100.6	106.2	106.3	120.5
Stocks, end of month.....rel. to 1923-25.....	136.1	*143.9	*154.5	*164.2	174.9	175.5	179.4	173.4	165.0	166.0	162.9	149.6	152.6
Unfilled orders, end of month.....rel. to 1923-25.....	25.5	25.0	26.5	27.3	23.7	25.5	24.2	28.0	33.8	41.3	40.0	45.8	
Brick													
Common brick:													
Plants closed down.....number.....		31	21	30	33	44	53	66	55	65	90	76	70
Price, red, New York.....dolls. per thous.	10.00	10.00	10.00	10.00	10.25	10.25	10.00	10.00	10.00	9.50	9.50	9.50	9.50
Shipments.....thousands.....	*28,232	31,303	30,754	30,087	31,307	29,284	19,844	19,657	33,488	103,489	103,390	115,251	
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	
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	
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	
Face brick (average per firm):													
Production.....thousands.....	434	425	540	540	549	533	305	338	310	494	543	748	750
Shipments.....thousands.....	454	477	521	574	569	579	522	369	303	365	536	767	794
Stocks, end of month.....thousands.....	3,577	3,602	3,660	3,652	3,684	3,698	3,734	3,836	3,856	3,823	3,677	3,662	3,677
Unfilled orders, end of month.....thousands.....	587	639	669	733	781	784	685	703	778	821	901	1,067	
Sand-lime brick:													
Production.....thousands.....		5,939	5,518	6,664	5,084	3,999	4,369	4,140	3,718	6,053	7,126	7,925	7,877
Shipments by rail.....thousands.....		805	529	494	1,595	1,698	1,466	1,493	910	1,846	3,044	3,437	3,278
Shipments by truck.....thousands.....		5,506	5,424	5,758	4,375	3,330	3,743	3,306	3,367	4,277	4,659	6,169	6,553
Stocks, end of month.....thousands.....		10,698	10,199	8,975	10,724	11,119	12,566	12,545	11,594	12,070	12,730	12,260	14,151
Unfilled orders, end of month.....thousands.....		10,838	10,710	9,960	6,513	5,232	7,070	6,720	5,245	9,125	8,183	7,567	8,957
Glass Containers													
Net orders.....thous. of gross.....	1,820	1,859	2,102	2,465	2,119	1,952	2,250	2,342	2,634	1,894	2,221	2,451	*2,460
Shipments.....thous. of gross.....	2,310	2,213	2,180	2,491	2,545	2,291	2,479	1,972	2,041	1,486	1,678	2,297	*2,576
Stocks, end of month.....thous. of gross.....	5,536	5,930	5,837	6,086	6,003	6,078	5,974	6,307	6,696	7,022	6,314	6,578	*6,142
Production:													
Total.....thous. of gross.....	1,948	2,239	2,268	2,565	2,481	2,404	2,166	1,777	1,776	1,698	1,913	2,461	*2,146
Per cent of capacity.....	62.0	68.6	69.5	75.9	73.4	71.4	64.4	57.2	52.8	50.5	59.1	70.4	68.7
Unfilled orders, end of month.....thous. of gross.....	6,860	7,591	8,268	8,625	9,127	9,785	10,340	10,913	10,761	9,628	9,484	9,097	*9,292
Illuminating Glassware													
New orders.....p. ct. of capacity.....	26.3	24.8	24.3	29.3	27.3	28.6	32.4	27.0	30.7	26.5	30.5	34.5	33.7
Production:													
Total.....no. of turns.....	1,670	1,607	1,492	2,161	2,037	2,086	2,108	1,818	2,183	1,912	2,059	2,185	1,961
Per cent of capacity.....	22.4	21.4	19.9	28.8	27.2	27.8	28.1	24.2	29.1	30.9	33.2	35.3	31.7
Shipments.....p. ct. of capacity.....	26.0	21.6	24.0	28.2	26.8	28.8	28.7	27.5	28.7	27.6	30.6	34.4	33.0
Stocks, end of month.....no. of weeks' supply.....	.9	.9	3.9	4.1	4.1	4.1	4.1	4.2	1.1	5.1	4.9	4.7	4.6
Unfilled orders, end of month.....no. of weeks' supply.....	.2	.2	.8	.9	.8	.8	.8	.7	.2	.7	.8	.8	
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	8,583	7,979
Plumbing Fixtures													
Porcelain:													
Net new orders.....number of pieces.....	4,740	4,571	5,796	6,213	4,824	6,898	6,163	5,570	4,559	4,586	4,451	8,657	6,815
Shipments.....number of pieces.....	4,533	5,761	5,577	5,237	4,665	4,093	4,178	3,699	4,597	3,259	5,634	6,455	7,564
Stocks, end of month.....number of pieces.....	23,450	25,236	24,641	27,850	28,394	28,248	30,259	30,004	29,347	29,598	30,370	31,133	29,367
Unfilled orders, end of month.....number of pieces.....	7,104	7,697	10,476	10,804	11,387	32,541	31,497	30,526	29,863	30,400	29,869	31,309	31,973
Vitreous china plumbing fixtures:													
New orders.....pieces.....	116,794	122,977	121,324	136,285	119,922	93,108	64,260	150,451	250,183	131,807	113,710	141,036	140,882
Shipments.....pieces.....	127,954	139,095	135,292	134,549	128,574	117,105	133,802	184,563	172,334	108,065	121,259	158,839	155,330
Stocks, end of month.....pieces.....	529,531	533,605	554,939	574,304	593,268	597,476	583,099	552,403	594,886	623,125	582,675	593,492	586,915
Unfilled orders, end of month.....pieces.....	161,435	172,595	188,623	202,591	200,855	209,507	233,504	303,046	337,158	259,309	235,567	243,116	260,919
Portland Cement													
Per cent of capacity.....	55.3	60.2	62.0	65.4	62.8	52.1	36.9	29.4	29.5	38.2	51.7	65.4	75.7
Prices, wholesale, composite.....dolls. per bbl.....	133.1	1,331	1,331	1,364	1,399	1,422	1,477	1,543	1,586	1,591	1,599	1,611	1,611
Production.....thous. of bbls.....	12,092	13,549	13,899	14,118	14,010	11,245	8,245	5,920	6,595	8,480	11,098	14,410	16,124
Shipments.....thous. of bbls.....	13,671	15,172	15,545	16,077	14,200	11,184	7,192	5,074	4,692	5,688	8,784	15,599	18,083
Stocks, end of month.....thous. of bbls.....	22,734	*24,313	25,934	27,602	29,554	29,715	29,676	28,612	27,759	25,883	23,056	20,697	21,889
Stocks, clinker, end of month.....thous. of bbls.....	6,931	8,468	10,209	11,837	13,087	13,854	13,318	11,946	10,384	8,809	7,758	7,266	7,783
Terra Cotta													
Terra cotta, new orders:													
Quantity.....net tons.....	4,311	3,955	5,117	7,547	4,180	2,598	3,138	3,226	3,231	3,799	3,373	5,930	5,718
Value.....thous. of dolls.....	388	361	480	719	412	291	315	335	324	350	329	556	465
Tile													
Floor and wall tile:													
Production.....thous. of sq. ft.....		4,241	*4,346	4,120	4,090	3,861	3,535	2,656	2,866	3,342	3,134	4,135	3,954
Shipments—													
Quantity.....thous. of sq. ft.....		3,547	*4,308	4,316	3,998	3,744	2,923	3,656	2,541	2,937	3,791	4,572	4,482
Stocks, end of month.....thous. of sq. ft.....		15,250	*14,556	14,518	14,715	14,623	14,506	13,895	14,895	14,570	14,166	14,823	15,259
TEXTILES													
New orders.....rel. to 1923-25.....		89.5	86.7	90.9	96.6	96.8	101.0	91.4	86.7	61.4	73.9	90.9	76.0
Prices, wholesale.....rel. to 1926.....		62.9	64.2	65.4	66.3	67.6	69.2	70.4	71.0	72.4	73.3	73.8	75.5
Production index (Fed. Res. Bd.).....rel. to 1923-25.....		99	100	102	97	98	98	97	93	86	87	93	88
Production index (elect. energy consumed).....rel. to 1923-25.....		98.7	95.0	98.2	100.5	103.7	100.0	97.3	99.3	86.4	89.8	87.0	85.4
Stocks, manufactured goods, end of month.....rel. to 1923-25.....		86.6	*90.3	88.9	90.8	90.7	93.4	94.1	92.4	100.0	109.2	97.3	96.5
Stocks, raw materials, end of month.....rel. to 1923-25.....		169.8	133.2	133.5	148.9	161.2	176.8	196.3	212.2	229.9	241.8	237.6	214.7
Unfilled orders, end of month.....rel. to 1923-25.....		37.6	41.2	*42.9</									

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
TEXTILES—Continued													
Burlaps and Fibers													
Imports:													
Burlaps.....thous. of lbs.	37,504	45,618	35,604	42,942	37,732	30,481	34,915	42,176	35,062	41,591	36,656	37,940	39,578
Fibers.....long tons.	17,118	18,277	21,993	18,622	14,102	21,719	19,574	21,326	19,162	20,429	14,681	17,958	13,803
Clothing													
Hosiery:													
New orders.....thous. of doz. pairs	4,716	4,278	4,279	4,654	5,029	4,808	4,919	4,534	4,297				
Net shipments.....thous. of doz. pairs	4,941	4,540	3,777	4,561	4,772	4,025	4,982	4,360	3,893				
Production.....thous. of doz. pairs	4,520	4,188	4,069	4,572	4,719	4,627	4,486	4,199	4,134				
Stocks, end of month.....thous. of doz. pairs	9,730	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	2,814	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
New orders.....thous. of doz. garments							1,326	994	967	878	1,164	1,475	1,049
Production.....thous. of doz. garments							1,146	945	840	821	978	1,132	913
Stocks, end of month.....thous. of doz. garments							1,366	1,265	1,329	1,299	1,197	1,421	1,497
Unfilled orders, end of month.....thous. of doz. garments							1,549	1,342	1,258	1,284	1,266	1,250	1,140
Men's and boys' garments cut:													
Overcoats.....thous. of garments		573	464	299	132	191	303	251	160	150	444	555	564
Separate trousers.....thous. of garments	2,436	2,187	2,336	2,157	2,017	1,845	1,708	1,580	1,232	1,183	2,103	2,071	
Suits.....thous. of garments	1,926	1,849	1,702	1,749	1,878	2,370	2,028	1,714	1,222	1,103	1,654	1,662	
Overalls:													
Cut.....thous. of doz. garments								234	222	161	207	279	326
Net shipments.....thous. of doz. garments								223	218	137	131	249	289
Unfilled orders, end of month.....thous. of doz. garments								41	36	42	36	51	69
Cotton													
Consumption by textile mills.....bales	463,704	425,819	450,884	425,901	465,363	503,691	490,509	433,376	405,117	405,518	415,315	443,284	393,390
Consumption by textile mills.....rel. to 1923-25	90.4	83.0	287.9	288.4	90.7	99.1	95.6	84.4	87.7	79.0	80.9	86.4	76.7
Exports, unmanufactured (exclusive of linters).....thous. of bales	558	211	259	255	336	392	605	433	533	766	903	1,004	903
Ginnings.....thous. of bales	5,408	565	7	6,630	6,733	7,125	7,000	6,122	6,315	5,924	5,825	6,243	5,662
Imports, unmanufactured.....bales	5,426	7,236	9,305	14,134	15,189	17,258	10,266	11,165	11,299	4,461	2,3,410	1,747	3,394
Machinery, activity of spindles:													
Activity spindles.....thousands	25,237	25,623	25,826	25,898	26,379	26,669	26,504	25,798	25,628	25,550	25,797	25,721	26,067
Activity per spindle.....hours	201	190	200	202	204	216	211	184	191	176	173	184	167
Total activity.....mill. of hours	6,540	6,193	6,528	6,630	6,733	7,125	7,000	6,122	6,315	5,924	5,825	6,243	5,662
Per cent of capacity.....per cent	88.1	81.8	86.0	86.8	89.6	94.1	91.0	87.3	80.7	75.9	79.7	77.0	73.2
Prices:													
To producer.....dolls. per lb.	.059	.063	.085	.077	.088	.093	.096	.091	.086	.087	.096	.092	.099
In New York, middling.....dolls. per lb.	.065	.072	.093	.090	.093	.102	.102	.110	.102	.101	.110	.107	.109
Production, crop estimate.....thous. of bales	16,284										14,243		
Receipts into sight.....thous. of bales	1,623	333	277	103	241	358	447	513	729	1,627	2,749	3,670	2,410
Stocks, domestic, end of month:													
Mills.....thous. of bales	776	840	2,996	1,131	1,258	2,371	1,478	2,1,550	2,1,618	2,1,656	2,1,564	2,1,355	2,971
Warehouses.....thous. of bales	6,297	4,426	4,524	4,971	5,490	6,033	6,658	7,314	7,939	8,376	8,398	2,474	5,241
Total, mills and warehouses.....thous. of bales	7,072	5,266	5,520	6,102	6,748	7,404	8,136	8,864	9,557	10,031	9,962	8,829	6,212
Total, mills and warehouses.....rel. to 1923-25	188.1	140.1	146.8	162.3	179.5	196.9	216.4	235.8	254.2	266.8	264.9	234.8	165.2
Stocks, world visible, end of month:													
American.....thous. of bales	5,275	4,498	4,775	5,236	5,861	6,302	6,826	7,381	7,576	7,841	7,676	6,617	4,892
Total.....thous. of bales	7,113	6,435	6,899	7,572	8,346	8,883	9,332	9,958	9,897	9,437	8,413	6,707	
Cotton Finishing													
Printed only (mills and outside):													
Production.....thous. of yds.	70,138	65,983	56,153	57,412	67,704	86,612	87,318	76,847	68,380	70,301	62,005	69,764	55,387
Stocks, end of month.....thous. of yds.	70,245	71,615	74,662	77,335	74,436	72,973	65,145	64,546	65,704	68,420	68,817	65,876	64,788
White, dyed, and printed (outside mills):													
Billings, finished goods.....thous. of yds.	49,252	44,982	45,831	51,577	52,537	60,590	61,803	50,166	43,642	47,566	40,249	53,003	40,631
New orders, gray yardage.....thous. of yds.	45,782	44,372	45,233	41,119	45,937	50,394	57,872	49,679	46,370	39,749	38,541	47,133	41,618
Per cent of capacity.....per cent	49	48	47	45	51	52	58	56	47	40	44	48	46
Shipments, finished goods.....cases	27,207	24,483	24,916	27,221	30,109	31,176	35,334	30,593	29,031	23,888	23,743	29,260	26,691
Stocks, finished goods, end of month.....cases	17,467	18,095	16,404	16,433	17,141	16,677	17,641	17,071	20,134	23,593	21,803	22,392	22,079
Unfilled orders, end of month.....days	1.6	1.7	1.5	1.5	1.9	2.7	2.7	2.6	2.6	2.6	2.5	2.1	2.6
Cotton Goods													
Cotton cloth:													
Imports.....thous. of sq. yds.	2,185	1,692	4,326	3,937	3,920	2,810	2,530	2,148	2,641	1,658	1,763	1,976	1,920
Exports.....thous. of sq. yds.	25,599	30,300	35,272	34,370	30,961	30,776	33,392	25,188	31,488	29,388	28,273	34,804	32,626
Cotton textiles:													
New orders.....thous. of yds.	287,708	167,555	158,333	355,902	160,029	137,749	295,334	326,691	239,106	182,656	183,067	335,801	291,980
Production.....thous. of yds.	272,118	209,050	192,545	206,163	225,392	225,955	271,638	212,168	202,149	234,052	206,633	228,866	182,385
Shipments.....thous. of yds.	278,049	227,644	211,331	273,871	205,603	217,582	317,185	248,354	210,597	226,951	200,661	270,383	232,975
Stocks, end of month.....thous. of yds.	244,924	250,855	269,449	288,235	301,943	282,154	273,781	319,328	355,514	363,962	356,861	350,889	392,406
Unfilled orders, end of month.....thous. of yds.	227,167	217,508	277,597	330,575	248,544	294,118	373,951	395,802	317,465	288,956	333,251	350,845	285,427
Elastic webbing, shipments.....thous. of dohs.	1,031	969	1,015	1,018	1,124	1,199	1,363	1,180	1,041	921	1,000	1,356	1,200
Fabric for tire manufacture, consumption.....thous. of lbs.													
Prices:													
Print cloth 64 x 60.....dolls. per yd.	.041	.043	.049	.048	.050	.053	.055	.053	.052	.053	.057	.055	.053
Sheeting, brown.....dolls. per yd.	.060	.052	.056	.054	.058	.059	.059	.065	.062	.065	.066	.066	.070
Cotton goods (Fairchild).....rel. to 1911-13	95	100	111	112	115	119	121	119	119	120	122	124	124
Cotton Yarn													
Carded sales yarn:													
Production.....thous. of lbs.	10,858	10,295	11,800	10,067	13,377	11,081	11,536	10,968	12,665	9,582	11,787	15,494	11,148
Stocks, end of month.....thous. of lbs.	9,382	10,023	10,181	11,195	11,212	12,240	12,537	13,420	13,795	13,531	12,548	12,548	12,819
Unfilled orders, end of month.....thous. of lbs.	29,819	31,351	32,951	34,017	34,914	38,825	40,979	42,407	39,963	38,920	38,926	37,854	33,194

^a Revised.^b As of Oct. 1.^c Final estimate for 1930.

*Months of March, June, and September, 1931, and

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
TEXTILES—Continued													
Cotton Yarn—Continued													
Prices:													
22/1 cones, Boston.....dolls. per lb.	0.201	0.212	0.225	0.215	0.223	0.231	0.240	0.239	0.248	0.247	0.254	0.235	0.242
40/1s southern spinning.....dolls. per lb.	.326	.336	.352	.352	.353	.369	.382	.390	.390	.390	.405	.413	.420
Fur													
Sales by dealers.....thous. of dolls.	6,609	5,465	6,033	4,474	5,324	5,615	6,693	6,049	4,496	3,048	4,520	5,787	7,301
Pyroxylon-Coated Textiles													
Pyroxylon spread.....thous. of lbs.	2,822	2,667	4,258	4,001	4,060	4,273	4,081	3,044	2,565	2,353	2,417	2,877	3,158
Shipments billed.....thous. of linear yds.	2,419	2,412	2,375	2,815	3,186	3,301	3,394	2,724	2,333	2,126	2,075	2,711	2,690
Unfilled orders end of month.....thous. of linear yds.	2,400	2,751	2,615	2,656	2,810	2,962	3,358	3,058	2,735	2,031	2,424	2,472	2,590
Rayon													
Imports.....thous. of lbs.	239	299	276	202	225	295	439	274	154	0	216	101	153
Price, 150 denier, "A" grade, New York.....dolls. per lb.	.75	.75	.75	.75	.75	.75	.75	.75	.75	.95	.95	.95	.95
Silk													
Deliveries (consumption).....bales.	53,819	46,454	44,746	42,161	45,073	41,356	55,383	54,242	55,910	55,424	57,333	61,937	55,649
Imports, raw.....thous. of lbs.	7,381	7,167	6,724	6,409	6,520	4,823	7,725	7,318	7,405	8,877	7,000	8,940	7,887
Prices:													
Raw, Japanese 13-15, New York.....dolls. per lb.	2,315	2,512	2,364	2,463	2,266	2,266	2,561	2,709	2,807	2,709	2,463	2,512	2,413
Silk goods, composite.....dolls. per yd.	.98	.98	.98	.99	.99	.99	.99	1.00	1.02	1.02	1.02	1.02	1.04
Silk machinery activity:													
Broad looms.....p. ct. of normal.	90.5	79.4	76.4	75.6	76.3	90.9	93.8	96.5	94.0	94.0	96.5	88.2	80.0
Narrow looms.....p. ct. of normal.	48.3	38.2	35.3	43.9	42.5	44.6	44.2	51.7	39.2	35.8	60.8	35.2	44.7
Spinning spindles.....p. ct. of normal.	55.4	48.7	44.6	42.8	49.5	51.8	58.6	58.9	55.2	65.8	75.1	70.2	57.7
Stocks, end of month:													
At warehouses.....bales.	36,099	41,878	29,921	37,342	32,688	35,497	47,407	45,399	51,814	58,430	49,238	51,278	47,621
At manufacturing plants.....bales.	20,044	21,122	16,990	18,706	20,425	22,231	23,124	23,588	24,242	24,929	22,954	21,243	
Wool													
Consumption at textile mills, grease equivalent.....thous. of lbs.	47,548	51,140	53,886	45,805	52,199	47,710	40,373	38,420	33,856	30,007	31,237	40,975	38,083
Consumption at textile mills, rel. to 1923-25.....	100.4	107.9	113.7	96.7	110.2	100.7	85.2	81.1	71.5	63.3	65.9	86.5	80.4
Imports:													
In condition, imported.....thous. of lbs.	11,677	9,679	12,987	16,868	14,168	21,258	15,348	11,687	13,767	10,920	8,546	8,994	8,817
Machinery activity, hourly:													
Combs.....p. ct. of hours active..	109	115	115	107	97	82	76	75	67	67	65	74	81
Looms—													
Carpet and rug p. ct. of hours active..	40	38	38	40	46	44	44	39	29	29	38	38	36
Narrow.....p. ct. of hours active..	44	45	43	46	45	42	34	30	28	26	37	44	41
Wide.....p. ct. of hours active..	63	70	64	61	58	54	59	59	49	46	47	47	46
Set of cards.....p. ct. of hours active..	61	65	64	60	57	66	60	47	43	50	52	52	53
Spinning spindles—													
Woolen.....p. ct. of hours active..	63	66	64	61	60	55	57	66	48	45	52	53	55
Worsted.....p. ct. of hours active..	70	78	83	73	66	57	57	54	52	52	62	62	60
Prices:													
Raw, territory, fine, scoured.....dolls. per lb.	.62	.63	.62	.62	.63	.65	.66	.66	.68	.72	.72	.75	.76
Raw, Ohio and Penn. fleeces, 1/4 blood, combing, grease.....dolls. per lb.	.22	.23	.21	.20	.20	.22	.22	.23	.26	.27	.29	.30	.31
Sizing, 13-oz.....dolls. per lb.	1,400	1,490	1,494	1,494	1,494	1,494	1,543	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	.925	.968	1,050	1,050	1,050	1,050	1,050	1,093	1,100
Worsted yarns.....dolls. per lb.	.950	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	1.17	1.20	1.20	1.20
Worsted yarns.....rel. to 1926	66.2	69.7	69.7	69.7	69.7	69.7	76.6	81.8	83.6	83.6	83.6	83.6	83.6
Receipts at Boston:													
Domestic.....thous. of lbs.	16,595	34,445	76,046	53,779	26,151	10,376	8,215	6,741	3,363	7,574	4,576	10,494	4,094
Foreign.....thous. of lbs.	2,112	2,405	3,335	2,964	4,190	7,399	5,064	6,528	7,432	4,000	1,664	2,245	2,980
Total.....thous. of lbs.	18,707	36,850	79,381	56,743	30,341	17,775	13,279	13,269	10,795	11,574	6,240	12,739	7,074
TOBACCO													
Unmanufactured:													
Production, crop estimate.....mills. of lbs.	41,661												
Exports, leaf.....thous. of lbs.	44,826	23,113	20,574	38,737	48,911	45,006	39,908	46,879	50,440	62,148	57,964	78,262	53,341
Stocks—													
Chewing, smoking, snuff and export types, quarterly.....mills. of lbs.													
3,1453													
Cigar types, quarterly.....thous. of lbs.													
370,142													
Total, including imported types, quarterly.....mills. of lbs.													
3,354,184													
Manufactured products:													
Consumption (tax-paid withdrawals)—													
Large cigars.....thousands.	449,330	463,256	478,901	517,514	467,300	459,982	440,472	362,839	362,939	349,635	528,128	623,861	523,973
Small cigarettes.....millions.	9,635	9,520	10,700	11,508	10,448	9,471	9,802	8,836	9,368	8,675	7,952	10,947	10,190
Manufactured tobacco and snuff.....thous. of lbs.	33,278	31,558	30,661	31,036	30,780	30,781	31,049	29,562	31,697	25,815	25,976	33,026	32,166
Manufacturing operations.....rel. to 1923-25													
Exports, cigarettes.....thousands.	257,854	254,049	243,233	244,201	250,858	241,703	324,808	256,706	229,697	338,808	251,507	318,751	305,676
MISCELLANEOUS PRODUCTION													
Buttons:													
Production, ratio to capacity.....per cent.	42.9	45.0	31.3	45.0	44.7	45.2	47.5	44.6	35.5	40.6	42.0	38.8	36.2
Stocks, end of month.....thous. of gross.	8,583	8,689	8,803	9,252	9,224	9,408	9,518	9,807	10,164	8,842	8,756	8,808	9,061
Imports:													
Buttons—													
Product of Philippines.....thous. of gross.	62	95	68	118	61	55	94	59	59	82	65	72	78
All other.....thous. of gross.	5	6	10	446	11	2	3	4	4	9	9	5	3
Shells—													
Mother-of-pearl.....thous. of lbs.	451	399	256	262	272	395	289	273	475	896	402	354	802
All other.....thous. of lbs.	83	467	134	527	43	48	95	369	22	15	458	586	164
Tagua nuts.....thous. of lbs.	2,014	1,527	2,025	1,999	901	1,720	592	1,329	270	858	331	1,204	1,286

Revised.

* Quarter ended in month indicated.

* As of Oct. 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			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FUELS													
Coal													
Anthracite:													
Exports.....thous. of long tons..	121	101	110	146	148	120	79	159	207	178	182	253	198
Prices—													
Retail, composite, dolls. per short ton..	14.93	14.73	14.59	14.31	14.19	14.39	14.85	14.85	14.88	14.89	14.90	14.87	14.80
Wholesale, com- posite.....dolls. per long ton..	13,083	12,796	12,614	12,413	12,270	12,202	12,608	12,732	12,732	12,751	12,751	12,762	12,707
Wholesale, composite.....rel. to 1926..	95.0	92.9	91.6	90.2	89.1	88.6	91.6	92.5	92.5	92.6	92.6	92.7	92.3
Production.....thous. of short tons..	4,358	4,314	3,954	4,544	5,005	5,700	4,745	5,391	6,157	6,086	5,207	7,576	2,5,199
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..		186	193	213	229	230	247	235	236	246	249	249	233
United States													
-----thous. of short tons..	3,459	3,634	3,795	4,027	4,629	4,682	4,902	4,408	4,686	4,737	4,820	5,270	5,214
By electric power plants.....thous. of short tons..	3,229	2,3,166	2,954	2,953	2,963	3,410	3,286	3,688	3,837	3,670	3,944	3,725	
By railroads.....thous. of short tons..	5,419	5,463	5,314	5,821	5,885	6,414	5,810	6,598	6,622	6,642	7,124	6,349	
By vessels clearing ports.....thous. of long tons..	163	165	186	209	195	168	136	141	187	201	204	230	269
Exports.....thous. of long tons..	1,163	1,217	1,087	994	926	671	665	645	700	803	1,287	1,317	1,462
Prices—													
Mine average (spot) dolls. per short ton..	1.62	2.158	1.58	1.56	1.60	1.64	1.69	1.77	1.77	1.77	1.78	1.81	1.75
Prepared sizes (com- posite).....dolls. per net ton..	3,954	3,907	3,856	3,816	3,838	3,845	4,001	4,223	4,268	4,317	4,336	4,342	4,303
Prepared sizes (composite) rl. to 1926..	82.5	81.5	80.4	79.6	80.1	80.2	83.5	88.1	89.0	90.0	90.5	90.6	89.8
Retail, composite, dolls. per short ton..	8.17	8.11	8.09	8.00	8.04	8.46	8.71	8.83	8.87	8.94	8.94	8.88	8.79
Wholesale, composite dolls. per short ton..	3,705	3,704	3,706	3,692	3,723	3,760	3,791	3,814	3,829	3,898	3,900	3,893	3,897
Wholesale, composite.....rel. to 1926..	85.9	85.9	85.9	85.6	86.3	87.2	87.9	88.4	88.8	90.4	90.4	90.2	90.3
Production—													
Canada.....thous. of short tons..	760	826	888	902	888	1,028	963	1,164	1,275	1,315	1,630	1,230	
United States.....thous. of short tons..	31,919	30,534	29,790	29,185	28,314	28,478	33,810	31,408	33,542	39,716	38,122	44,150	38,632
Production index.....rel. to 1923-25..	70	70	74	74	75	77	76	73	77	85	86	87	85
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..	52	87	50	45	86	43	54	67	71	70	69	83	66
Price, furnace, Connellsburg.....													
dolls. per short ton..	2.45	2.45	2.45	2.45	2.48	2.50	2.50	2.53	2.55	2.55	2.58	2.60	2.60
price, furnace, Connellsburg.....rel. to 1926..	59.7	59.7	59.7	59.7	60.3	60.9	60.9	61.5	62.1	62.1	62.7	63.3	63.3
Production:													
Canada.....thous. of short tons..		132	139	155	169	169	179	165	171	181	185	185	170
United States—													
Beehive.....thous. of short tons..	78	70	76	87	94	109	149	163	163	170	166	176	167
By-product.....thous. of short tons..	2,310	2,443	2,569	2,715	3,126	3,146	3,256	2,898	3,092	3,055	3,114	3,408	3,376
Petroleum													
Asphalt:													
Imports.....thous. of short tons..	12	14	4	10	9	7	7	3	0	3	3	6	5
Production.....thous. of short tons..	312	314	315	304	248	190	166	147	168	217	212	267	270
Stocks, end of month.....thous. of short tons..	332	349	393	380	360	354	295	308	295	295	295	267	
Coke:													
Production.....thous. of short tons..		178	173	180	178	168	170	151	159	166	158	177	170
Stocks, end of month.....thous. of short tons..	1,451	1,391	1,315	1,250	1,158	1,089	1,053	1,032	2,1,069	2,1,097	2,1,080	2,1,089	
Crude petroleum:													
Consumption (run to stills).....thous. of bbls..	80,672	79,758	76,237	78,521	74,706	73,506	65,249	70,026	71,581	70,310	74,016	75,950	
Imports.....thous. of bbls..	2,702	3,588	3,978	4,512	4,162	3,715	4,789	4,353	4,727	4,467	5,061	5,808	
Oil wells completed.....number..	441	599	603	498	519	333	450	487	2,540	2,657	866	2,781	
Price, Kansas-Oklahoma.....dollars per bbl..	.560	.434	.238	.300	.530	.504	.850	.850	.850	.850	.850	1,098	1,178
Price, Kansas-Oklahoma.....rel. to 1926..	29.7	23.0	12.6	15.9	28.1	31.5	45.1	45.1	45.1	45.1	45.1	58.3	62.5
Production.....thous. of bbls..	68,418	77,961	75,116	77,164	73,101	69,397	60,645	65,991	2,66,972	2,67,957	2,72,893	2,71,216	
Production index.....rel. to 1923-25..	94	2,107	122	122	121	112	110	110	111	114	115	114	
Refinery operations.....p. ct. of capacity..		69	68	67	67	64	63	61	63	64	65	60	
Refinery operations index.....rel. to 1923-25..		165	162	161	163	161	152	149	149	151	160	165	
Stocks, end of month—													
California—													
Heavy.....thous. of bbls..	97,809	98,093	99,015	100,011	100,578	100,531	101,442	102,368	2,103,421	2,103,253	2,102,530	2,103,705	
Light.....thous. of bbls..	38,224	39,621	40,043	40,805	40,840	41,016	40,651	40,389	2,40,325	2,40,472	2,40,338	2,40,432	
East of California—													
Refineries.....thous. of bbls..	39,021	41,007	41,734	41,819	41,413	40,786	42,027	41,785	2,41,136	2,43,457	46,032	45,445	
Tank farms and pipe lines.....thous. of bbls..	294,831	305,009	305,876	306,287	308,752	310,377	313,310	317,854	2,320,740	2,323,151	2,323,213	2,324,795	
Total.....thous. of bbls..	333,852	346,016	347,610	348,106	350,165	351,163	355,337	359,639	2,361,876	2,366,008	2,369,245	2,370,240	
Mexico—													
Production.....thous. of bbls..		2,841	3,120	2,960	3,080	2,761	2,819	2,564	2,890	2,922	2,895	3,147	3,243
Exports.....thous. of bbls..		1,488	2,183	2,716	2,808	2,392	1,528	1,463	1,263	1,690	1,895	2,093	2,419
Venezuela—													
Exports.....thous. of bbls..		9,420	9,274	9,401	8,561	9,049	8,586	10,362	9,516	10,877	10,704	11,134	12,208
Production.....thous. of bbls..		9,412	9,796	9,913	9,181	9,515	9,263	10,233	9,486	10,384	10,492	10,911	11,735
Gas and fuel oils:													
Consumption—													
By electric power plants.....thous. of bbls..				714	622	541	552	643	637	800	845	790	845
By railroads.....thous. of bbls..				3,286	3,567	3,440	3,606	3,536	3,644	3,181	3,599	3,705	3,841
By vessels.....thous. of bbls..				3,095	3,442	3,839	4,033	4,288	4,043	3,667	3,644	3,868	4,463
Price, Oklahoma 24-26, refineries.....dollars per bbl..		.319	.280	.294	.385	.463	.488	.510	.588	.600	.610	.650	.580
Production.....thous. of bbls..		30,292	29,488	29,512	29,949	30,073	30,754	26,536	29,174	29,704	2,29,054	2,29,809	2,29,864
Stocks at refineries at end of month.....thous. of bbls..		44,751	41,416	38,581	36,579	33,854	32,105	32,159	33,977	37,007	40,427	41,293	41,480
Gasoline:													
Consumption.....thous. of bbls..		39,459	39,459	38,375	35,716	33,400	31,037	26,133	26,844	2,29,213	2,30,882	2,32,090	2,37,786
Exports.....thous. of bbls..		3,074	2,4,036	2,4,166	3,093	4,792	3,988	2,841	3,586	4,462	4,149	3,536	3,841
Prices, wholesale, New York, dollars per gal..		.143	.133	.133	.133	.133	.133	.133	.135	.135	.141	.141	.148
Prices, retail, filling station, 50 cities.....dollars per gal..													

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FUELS—Continued													
Petroleum—Continued													
Gasoline—Continued.													
Production—													
Natural gas (at plants) thous. of bbls.	3,179	3,521	3,521	3,814	3,824	4,048	3,631	4,140	4,271	4,317	4,405	4,152	
Raw (at refineries) thous. of bbls.	39,283	38,440	37,024	39,019	36,601	35,246	31,328	32,708	34,472	33,572	37,223	37,046	
Retail distribution—41 States mills. of gals.					962	874	777	835	890	929	1,022	1,060	
Stock, end of month—													
Natural gas (at plant) thous. of bbls.	722	855	860	996	1,006	884	692	606	578	596	550	534	
Raw (at refineries) thous. of bbls.	37,150	40,332	44,296	47,948	48,587	48,225	45,355	42,818	40,541	38,705	38,624	38,194	
Kerosene:													
Consumption thous. of bbls.	2,678	2,114	2,104	2,395	2,804	2,691	2,272	2,506	2,786	2,841	2,569	2,768	
Exports thous. of bbls.	1,057	1,131	1,214	720	1,145	753	1,151	974	1,275	1,310	970	1,349	
Price, 15° water white dolls. per gal.	.039	.038	.038	.042	.045	.048	.051	.053	.054	.053	.054	.053	
Production thous. of bbls.	3,085	3,096	3,404	3,389	3,397	3,676	3,171	3,560	3,575	3,590	3,876	3,846	
Stocks at refineries, end of month thous. of bbls.	6,734	6,869	6,521	5,900	6,129	6,300	6,477	6,555	6,883	7,379	7,633	7,771	
Lubricating oil:													
Consumption thous. of bbls.	1,753	1,969	1,615	1,865	1,850	1,950	1,583	1,715	1,459	1,573	1,569	1,944	
Price cylinder oil dolls. per gal.							.145	.145	.146	.165	.172	.184	
Production thous. of bbls.	2,306	2,337	2,088	2,264	2,316	2,293	2,036	2,441	2,509	2,409	2,546	2,723	
Stocks at refineries, end of month thous. of bbls.	9,289	9,597	9,763	10,119	10,463	10,710	10,911	11,013	10,971	10,536	10,502	10,257	
Wat:													
Production thous. of lbs.	37,520	37,800	34,160	35,840	33,040	37,520	38,640	42,560	36,120	35,840	35,080	43,960	
Stocks, end of month thous. of lbs.	192,198	188,407	200,836	205,803	205,165	208,620	229,414	238,044	232,592	237,627	240,630	248,940	
DISTRIBUTION MOVEMENT													
Advertising													
Magazine advertising thous. of lines.	1,603	1,316	1,613	2,161	2,375	2,421	2,203	1,992	1,585	2,265	2,488	2,490	2,146
Magazine advertising, total cost thous. of dolls.	11,967	10,008	12,314	16,692	16,959	17,173	16,002	15,307	10,826	15,352	17,359	15,214	
Newspaper advertising thous. of lines.	77,208	67,169	66,877	79,772	88,443	88,737	90,244	72,282	75,823	82,467	89,424	98,437	*88,597
Radio broadcasting, facilities, cost thous. of dolls.	2,736	2,527	2,784	2,835	3,036	3,104	3,141	2,591	2,637	2,718	2,577	2,674	2,123
Agricultural Products (Marketing)													
Agricultural, total rel. to 1923-25	115.4	*84.9	*103.2	61.4	66.4	57.9	67.3	68.7	70.3	105.0	142.8	260.7	167.2
Animal products:													
Dairy products rel. to 1923-25	90.5	96.3	123.6	156.6	130.9	113.1	102.9	91.3	96.4	92.7	77.8	82.2	86.3
Fish rel. to 1923-25	211.3	*189.3	161.2	144.5	138.5	174.3	169.4	116.2	103.4	95.9	146.2	172.0	229.1
Livestock rel. to 1923-25	88.3	*82.5	72.6	77.9	80.2	82.6	79.6	79.8	96.2	93.9	88.0	108.0	93.9
Poultry and eggs rel. to 1923-25	88.4	88.0	88.6	115.6	125.6	137.0	121.8	94.0	95.0	137.8	121.6	79.2	78.2
Wool rel. to 1923-25	125.1	259.6	573.2	405.4	197.1	78.2	61.9	50.8	25.3	57.1	34.5	79.1	30.9
Total rel. to 1923-25	92.7	*94.3	105.2	118.0	106.7	101.2	94.0	85.5	94.7	97.8	88.5	96.7	91.2
Crops:													
Cotton rel. to 1923-25	152.1	29.2	22.6	9.1	28.3	29.8	38.6	45.1	64.0	144.9	240.6	327.5	219.3
Fruits rel. to 1923-25	129.2	*154.6	139.3	88.8	102.2	70.6	75.1	68.1	70.2	37.1	109.0	249.0	164.3
Grains rel. to 1923-25	79.8	*130.0	182.9	68.6	69.0	63.9	80.0	84.6	81.0	79.8	72.3	82.6	139.0
Vegetables rel. to 1923-25	103.2	64.1	103.4	165.8	135.6	93.3	104.3	91.1	98.0	79.4	89.6	168.4	138.8
Total rel. to 1923-25	117.9	*83.9	*103.0	55.2	62.0	53.1	64.4	66.8	74.3	105.8	148.8	212.1	175.5
Collections													
Delinquent accounts, electrical trade:													
Amount dollars.	78,534	70,681	98,621	111,183	91,332	112,843	128,502	132,609	112,250	150,349	96,912	122,150	98,898
Delinquent firms number.	786	780	933	948	941	1,258	1,228	1,141	1,089	1,065	868	1,101	939
Forest Products (Marketing)													
Distilled wood rel. to 1923-25	22.1	*17.2	*20.4	*27.5	*34.7	*44.6	*68.9	*63.7	*72.9	*66.4	*60.8	*53.8	*44.0
Gum rel. to 1923-25	132.8	141.5	186.7	189.9	136.5	98.3	39.7	25.5	37.1	117.7	112.9	143.1	158.2
Lumber rel. to 1923-25	58.1	*62.3	61.1	62.1	59.1	51.4	51.6	50.5	50.7	57.4	63.4	57.7	
Pulpwood rel. to 1923-25	76.2	85.3	87.7	96.6	123.1	117.2	118.3	103.1	110.9	115.6	105.4	99.3	63.9
Total rel. to 1923-25	60.9	*66.3	66.6	*67.4	*65.3	64.0	60.9	*55.8	55.9	58.0	62.9	*68.1	*60.1
Postal Business													
Air mail, weight dispatched pounds.													
Money orders:													
Domestic, issued (50 cities)													
Quantity thousands.	3,368	3,501	3,729	3,766	3,828	4,015	3,567	3,749	4,165	3,525	3,662	3,415	
Value thous. of dolls.	33,370	34,224	36,315	36,006	37,803	37,250	33,240	36,352	39,627	34,525	33,916	33,923	
Domestic, paid (50 cities)													
Quantity thousands.	9,074	9,930	10,734	10,902	11,562	11,132	9,701	10,590	11,716	10,248	11,514	9,758	
Value thous. of dolls.	71,622	76,365	79,311	81,956	90,646	81,747	70,935	78,273	91,923	79,934	90,647	79,174	
Foreign, issued thous. of dolls.													
Postal receipts:													
Total index rel. to 1923-25	98.8	88.8	92.9	99.4	104.5	109.9	113.1	100.1	110.3	145.3	106.2	121.1	107.9
50 selected cities thous. of dolls.	26,335	23,389	24,578	26,442	27,644	29,257	30,178	26,405	29,172	38,572	28,379	32,279	28,764
50 industrial cities thous. of dolls.	2,897	2,860	2,903	2,957	3,047	3,268	3,284	3,215	3,466	4,418	3,028	3,568	3,160
Retail Sales													
Department store sales, value of:													
United States, adjusted rel. to 1923-25	84	*88	91	95	97	106	97	98	97	94	98	102	99
United States, unadjusted rel. to 1923-25	87	*67	65	90	97	101	92	80	79	165	113	112	103
Department store stocks, end of month:													
United States, adjusted rel. to 1923-25	81	79	81	82	83	84	86	83	81	91	92	92	91
United States, unadjusted rel. to 1923-25	84	76	75	80	85	87	87	81	78	85	104	101	95
Mail-order houses:													
Total sales, 2 houses thous. of dolls.	45,955	43,004	45,093	49,480	50,070	52,078	43,008	39,422	41,459	72,486	55,713	68,878	*54,439
Total sales, 2 houses rel. to 1923-25	141	132	138	151	153	159	132	121	127	222	170	211	166
Sears, Roebuck & Co. thous. of dolls.	28,450	26,597	29,773	30,261	31,523	31,520	25,407	24,177	24,177	24,839	43,814	33,312	38,785
Montgomery, Ward & Co. thous. of dolls.	17,505	16,407	15,320	19,219	18,547	20,558	17,601	15,245	16,620	28,672	22,401	30,093	21,336

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
DISTRIBUTION MOVEMENT—Con.													
Retail Sales—Continued													
Restaurant chains:													
Childs Co.—													
Sales.....thous. of dolls..	2,164	2,030	1,858	1,847	1,957	2,059	2,064	1,889	2,083	2,277	2,075	2,259	2,136
Stores operated.....number..	108	108	108	109	108	110	111	111	112	112	111	111	113
J. R. Thompson Co.—													
Sales.....thous. of dolls..	1,278	1,301	1,086	1,093	1,202	1,175	1,208	1,082	1,192	1,246	1,180	1,287	1,215
Stores operated.....number..	117	117	118	117	116	117	117	120	120	120	121	121	120
Waldorf System (Inc.)—													
Sales.....thous. of dolls..	1,303	2,146	1,244	1,245	1,337	1,360	1,351	1,210	1,295	1,379	1,338	1,338	1,291
Stores operated.....number..	156	154	162	162	160	160	160	152	152	147	147	146	147
Total sales, 3 chains—													
Total.....thous. of dolls..	4,745	2,4,579	4,188	4,185	4,496	4,594	4,623	4,181	4,570	4,902	4,599	4,884	4,642
Stores operated.....number..	381	379	391	388	386	387	388	391	384	384	379	377	380
Grocery chains:													
Atlantic & Pacific Tea Co.—													
Total sales.....thous. of dolls..	74,642	74,411	95,528	89,851	102,946	85,160	82,719	82,385	97,559	81,347	79,820	100,960	77,019
Weeks in month.....number..	4	4	5	4	5	4	4	4	5	4	4	5	4
Weekly average.....thous. of dolls..	18,660	18,603	19,106	20,213	20,589	21,290	20,680	20,596	19,512	20,237	19,955	20,192	19,255
Tonnage sales.....tons	411,883	399,779	513,095	434,268	563,223	454,479	435,292	439,645	508,490	416,673	400,203	431,703	569,673
Weekly average.....tons	102,971	99,945	102,619	113,567	112,645	113,620	108,823	109,886	101,980	104,168	100,081	96,341	92,418
Chain stores, sales:													
F. W. Woolworth & Co.—													
Sales.....thous. of dolls..	21,732	21,712	21,079	21,978	24,117	23,830	21,724	19,386	19,240	42,320	24,077	26,422	22,353
Stores operated.....number..	1,902	1,895	1,889	1,893	1,896	1,896	1,894	1,888	1,886	1,890	1,890	1,889	1,886
F. & W. Grand—													
Sales.....thous. of dolls..	1,699	1,565	1,628	1,833	1,825	2,004	1,664	1,431	1,371	3,545	1,894	2,026	1,663
Stores operated.....number..	121	119	119	119	118	117	116	114	112	112	112	111	111
G. C. Murphy Co.—													
Sales.....thous. of dolls..	1,430	1,519	1,475	1,569	1,549	1,588	1,329	1,204	1,221	3,170	1,579	1,621	1,344
Stores operated.....number..	172	172	170	169	168	168	166	166	166	166	166	165	162
Isaac Silver & Bros.—													
Sales.....thous. of dolls..	607	589	594	692	695	723	596	513	476	1,421	673	693	566
Stores operated.....number..	44	45	45	45	45	45	45	45	45	45	45	44	45
J. C. Penny Co.—													
Sales.....thous. of dolls..	14,577	13,257	12,779	14,832	15,450	15,380	12,443	9,540	9,725	23,703	18,937	19,860	15,956
Stores operated.....number..	1,456	1,454	1,454	1,453	1,453	1,454	1,454	1,453	1,452	1,452	1,452	1,450	1,446
McCrory Stores Corp.—													
Sales.....thous. of dolls..	3,260	3,214	3,004	3,240	3,412	3,703	3,381	2,946	2,903	6,783	3,617	3,606	3,278
Stores operated.....number..	244	243	242	243	243	243	242	242	242	242	242	241	240
Metropolitan—													
Sales.....thous. of dolls..	571	518	558	702	713	722	508	445	487	1,606	724	699	621
Stores operated.....number..	83	83	83	83	84	91	93	94	95	95	95	95	95
S. H. Kress Co.—													
Sales.....thous. of dolls..	5,205	5,286	5,104	5,467	5,469	5,761	5,250	4,487	4,400	12,061	5,528	5,716	5,478
Stores operated.....number..	220	218	218	217	216	216	213	211	211	213	213	213	211
S. S. Kresge Co.—													
Sales.....thous. of dolls..										9,825	23,982	12,503	12,853
Stores operated.....number..										681	678	676	668
W. T. Grant Co.—													
Sales.....thous. of dolls..	5,570	5,395	5,227	6,289	6,606	6,402	5,334	4,347	4,110	11,797	6,677	7,084	5,286
Stores operated.....number..	381	375	371	367	364	354	354	350	348	348	346	340	318
Five and Ten—chain group:													
Actual.....rel. to 1923-25..	141	142	139	147	155	160	144	127	124	298	159	168	147
Adjusted for seasonal.....rel. to 1923-25..	155.1	158.8	147.3	160.6	166.7	167.9	158.7	162.5	160.8	153.2	158.3	151.0	156.0
Warehouses													
Public merchandising warehouses, space occupied.....p. ct. of total..		63.9	63.9	64.7	65.8	65.9	66.8	67.9	68.9	70.4	69.9	68.8	68.4
FOREIGN TRADE													
Canadian													
Total trade:													
Exports.....thous. of dolls..	49,909	49,894	2,50,671	55,320	60,845	34,674	56,296	44,914	45,634	68,053	74,592	84,298	82,190
Imports.....thous. of dolls..	45,379	47,308	48,379	52,508	73,457	51,189	75,348	50,994	50,414	60,338	76,325	78,358	87,900
United States													
Exports:													
Grand total, including reexports.....thous. of dolls..	181,000	164,822	180,670	187,190	203,991	214,888	235,881	224,413	249,646	275,193	289,021	327,120	311,889
Grand total, including reexports, index.....rel. to 1923-25..	47.7	243.4	47.6	49.3	53.7	56.6	62.1	50.1	65.8	72.5	76.1	86.2	82.1
By grand divisions—													
Africa, total.....thous. of dolls..	6,162	5,070	4,648	6,120	4,925	4,923	4,954	5,514	5,635	6,588	6,272	6,460	
Asia and Oceania—													
Total.....thous. of dolls..	28,996	34,660	30,277	33,420	36,202	38,913	33,252	35,431	42,279	39,219	44,204	41,268	
Japan.....thous. of dolls..	8,357	10,885	8,798	11,201	14,230	17,995	11,257	14,743	12,593	12,425	11,249	15,025	
Europe—													
Total.....thous. of dolls..	74,567	79,977	88,149	89,576	94,320	113,838	117,938	131,699	141,621	155,227	174,652	158,717	
France.....thous. of dolls..	8,106	7,392	8,688	10,121	11,329	12,456	13,564	16,676	19,172	22,094	23,683	20,069	
Germany.....thous. of dolls..	7,873	8,286	10,819	13,153	12,282	19,195	16,960	17,015	20,326	23,686	31,507	32,912	
Italy.....thous. of dolls..	3,239	3,757	3,622	3,887	3,884	5,691	4,168	5,260	8,625	7,582	8,924	8,105	
United Kingdom.....thous. of dolls..	27,815	32,564	30,915	34,238	33,344	39,706	38,626	49,744	53,871	61,094	71,918	57,841	
North America—													
Total.....thous. of dolls..	44,328	48,018	51,247	59,581	62,974	63,068	52,762	56,952	61,921	64,471	76,175	79,533	
Canada.....thous. of dolls..	30,579	32,677	35,030	41,664	44,851	41,860	35,305	33,657	36,326	41,689	49,165	52,070	
South America—													
Total.....thous. of dolls..	10,770	12,945	12,869	15,286	16,467	15,139	15,508	20,049	23,737	23,516	25,817	25,911	
Argentina.....thous. of dolls..	4,420	4,706	4,295	5,583	5,803	4,512	5,467	5,467	8,801	8,728	10,361	9,776	

* Revised

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FOREIGN TRADE—Continued													
United States—Continued													
Grand total, including exports, index—Con.													
By economic classes—													
Total domestic exports													
only thous. of dollars													
Crude materials thous. of dollars													
Foodstuffs, crude, and food animals thous. of dollars													
Manufactured food-stuffs thous. of dollars													
Finished manufactures thous. of dollars													
Semifinished manufactures thous. of dollars													
Agricultural exports (quantities)—													
All commodities rel. to 1910-14													
All commodities (except cotton) rel. to 1910-14													
Imports:													
Grand total thous. of dollars													
Grand total index rel. to 1923-25													
By grand divisions—													
Africa, total thous. of dollars													
Asia and Oceania—													
Total thous. of dollars													
Japan thous. of dollars													
Europe—													
Total thous. of dollars													
France thous. of dollars													
Germany thous. of dollars													
Italy thous. of dollars													
United Kingdom thous. of dollars													
North America—													
Total thous. of dollars													
Canada thous. of dollars													
South America—													
Total thous. of dollars													
Argentina thous. of dollars													
By economic classes—													
Total thous. of dollars													
Crude materials thous. of dollars													
Foodstuffs, crude, and food animals thous. of dollars													
Manufactured food-stuffs thous. of dollars													
Finished manufactures thous. of dollars													
Semifinished manufactures thous. of dollars													
EMPLOYMENT AND WAGES													
Employment													
Factory employment, adjusted (Fed. Res. Bd.):													
Total rel. to 1923-25	72.8	74.1	75.1	76.0	77.8	78.0	77.9	77.8	78.3	80.1	81.1	82.2	83.4
Cement, clay, and glass rel. to 1923-25	59.4	60.1	62.7	64.4	65.4	65.2	65.2	65.0	64.4	68.6	70.0	71.4	71.7
Chemicals—													
Group rel. to 1923-25	85.7	86.6	89.4	89.6	93.0	91.7	89.8	94.5	96.6	97.9	98.3	101.1	102.3
Petroleum, refined rel. to 1923-25	82.9	84.8	87.1	90.2	94.5	94.0	87.2	97.4	99.7	100.8	100.8	104.3	106.6
Iron and steel rel. to 1923-25	67.4	70.3	72.1	72.6	74.8	76.5	76.6	75.9	77.5	79.1	80.2	81.3	81.7
Leather and its products rel. to 1923-25	80.9	84.3	84.8	83.9	84.2	84.0	82.2	78.4	77.1	76.6	77.4	80.2	82.7
Lumber and its products rel. to 1923-25	49.4	51.1	52.0	54.4	55.4	55.4	55.7	56.3	56.3	58.8	60.4	62.1	62.4
Machinery rel. to 1923-25	67.3	67.7	70.3	73.4	76.3	78.0	79.3	80.6	81.9	84.2	85.7	88.0	90.2
Nonferrous metals rel. to 1923-25	62.5	63.1	64.2	65.4	66.6	66.5	66.6	66.8	69.2	71.2	71.8	72.6	73.6
Paper and printing rel. to 1923-25	91.1	93.0	93.0	93.6	95.3	95.0	94.7	94.9	95.6	96.7	97.0	98.4	99.0
Rubber products rel. to 1923-25	69.8	70.5	73.8	75.7	74.0	70.5	68.4	71.4	73.7	74.7	75.2	75.4	75.3
Textiles rel. to 1923-25	80.0	80.9	79.6	78.6	81.2	80.2	79.7	77.2	75.5	77.4	79.4	80.7	82.4
Tobacco production rel. to 1923-25	77.2	79.1	81.4	80.4	82.1	83.4	82.1	84.6	81.3	83.5	82.0	83.5	85.1
Transportation—													
Group rel. to 1923-25	57.2	58.3	60.2	62.4	63.2	63.8	64.3	64.9	67.1	69.4	68.6	67.2	69.7
Automobiles rel. to 1923-25	62.0	64.2	67.6	70.7	70.9	70.3	70.2	68.8	72.3	78.9	76.4	69.6	71.1
Nonmanufacturing industries:													
Anthracite mining rel. to 1929	80.0	67.3	65.1	76.1	80.3	85.2	82.0	89.5	90.6	99.1	97.2	99.0	93.8
Bituminous coal mining rel. to 1929	80.4	77.0	76.4	78.4	82.4	85.9	88.8	91.5	93.9	92.5	92.5	91.8	90.5
Metalliferous mining rel. to 1929	55.5	55.8	56.2	60.0	62.4	63.9	63.5	65.3	68.3	70.1	72.8	77.2	78.1
Quarrying and nonmetallic mining—													
rel. to 1929	66.6	68.9	71.0	72.3	75.0	76.1	70.0	66.6	64.4	70.2	78.3	84.7	87.7
Crude petroleum producing rel. to 1929	61.2	62.4	65.3	65.0	67.8	69.8	72.2	73.2	74.8	77.4	83.6	85.2	85.0
Telephone and telegraph rel. to 1929	85.0	85.9	86.6	86.9	87.4	88.1	88.6	89.2	90.5	91.6	93.0	94.5	96.8
Power, light, and water rel. to 1929	94.7	95.9	96.7	97.2	97.6	97.1	96.7	97.8	99.2	103.2	103.4	104.8	105.2
Operation and maintenance of electric railroads rel. to 1929	84.0	84.8	85.6	85.3	85.9	86.8	86.4	86.6	86.9	88.8	89.3	91.0	91.8
Wholesale trade rel. to 1929	86.1	86.5	86.8	87.1	87.4	87.4	88.2	89.5	92.0	92.6	94.2	94.8	94.8
Retail trade rel. to 1929	86.6	81.8	83.9	89.1	89.9	90.1	87.8</						

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
EMPLOYMENT AND WAGES—Con.													
Employment—Continued													
Anthracite mines, employment, rel. to 1923-25—	77.8	65.5	63.4	74.2	78.3	82.9	79.9	87.1	88.3	96.5	94.7	96.2	91.9
Applicants per 100 jobs, employment agencies:													
Canada—number	266	237	206	165	151	147	141	156	133	189	211	159	
United States—number	217	209	205	181	177	179	202	224	218	227	193	170	
Central States—number	273	247	246	206	199	215	232	261	233	251	240	222	
Eastern States—number	212	235	221	187	181	202	209	254	239	231	192	181	
Southern States—number	411	265	277	345	237	215	265	293	314	344	277	201	
Western States—number	94	94	84	66	80	75	89	91	103	123	74	71	
Illinois—number	220	244	250	245	218	215	228	250	331	270	280	278	230
Wisconsin—number	199	186	212	197	172	197	250	230	191	210	178	188	
Employment Trade Unions:													
Canada—p. ct. of total membership	84.2	83.8	83.7	83.8	85.1	84.5	84.4	84.0	83.0	86.2	89.2	90.6	
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	
Employment, Canada—rel. to 1926—	107.1	105.2	103.8	103.6	102.2	99.7	100.2	100.7	101.7	108.5	112.9	116.2	116.6
Factories, time operated:													
Total—p. ct. of full time	89	89	89	90	91	91	90	89	90	90	90	92	92
Chemicals and other products—p. ct. of full time	93	92	95	96	97	96	95	95	95	95	95	97	96
Food and kindred products—p. ct. of full time	95	96	95	96	96	96	96	97	97	97	98	98	
Leather and its finished products—p. ct. of full time	93	92	90	91	92	91	92	89	87	84	90	91	
Lumber and its manufactures—p. ct. of full time	83	84	85	85	86	85	84	83	84	86	89	89	
Iron and steel and their products—p. ct. of full time	76	76	77	79	80	80	80	80	80	80	83	84	
Nonferrous metals—p. ct. of full time	84	84	84	85	86	87	87	86	86	87	89	90	
Paper and printing—p. ct. of full time	93	93	94	95	95	96	95	95	96	96	97	96	
Stone, clay, and glass products—p. ct. of full time	90	90	90	91	91	91	90	90	90	91	93	92	
Textiles and their products—p. ct. of full time	92	92	92	93	93	94	93	90	90	91	92	90	
Tobacco manufactures—p. ct. of full time	88	87	87	87	86	87	85	88	91	89	90	90	
Vehicles for land transportation—p. ct. of full time	90	89	91	92	92	91	91	89	91	91	93	93	
Miscellaneous industries—p. ct. of full time	85	85	86	88	88	87	87	88	88	88	90	91	
Federal Civilian Employees (Washington)—number	70,885	71,658	71,693	72,417	72,297	71,917	71,162	71,252	71,189	71,052	70,790	70,598	
Hours of work in factories:													
Actual—hours per week	39.2	39.9	40.9	42.7	41.7	41.8	42.3	40.2	41.6				
Nominal—hours per week	48.1	48.0	47.9	48.0	48.0	48.2	47.9	48.0	48.3				
Labor disputes:													
Disputes—number	76	266	51	49	39	27	34	20	7	29	36	44	
Man-days lost in month—number	1,304,774	2,683,150	2,506,097	402,437	769,720	422,545	228,329	181,031	194,455	273,608	335,916	208,184	
Workers involved—number	29,000	2,62,527	2,17,071	15,735	22,604	28,139	12,512	2,927	5,144	7,759	16,007	13,778	
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	
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	
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	
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	
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	
Ohio construction, employment—rel. to 1926—													
Railways, employees on pay roll—thousands													
62.8	63.3	61.3	60.0	53.7	51.9	49.4	59.8	72.0	82.6	87.7			
1,310	1,317	1,337	1,331	1,319	1,316	1,334	1,357	1,394	1,455	1,486			
Wages													
Anthracite mines, pay roll—rel. to 1923-25—	55.0	47.8	45.6	56.5	64.6	63.8	55.7	79.8	75.8	85.0	83.2	102.3	78.2
Factory pay rolls (Fed. Res. Bd.):													
Total—rel. to 1923-25—	61.7	64.3	64.4	67.6	72.1	73.6	74.9	73.2	68.4	73.7	75.1	80.8	83.0
Cement, clay, and glass—rel. to 1923-25—	46.1	48.1	49.4	54.4	56.7	55.7	54.0	51.4	46.6	56.3	60.9	66.4	66.4
Chemicals—													
Group—rel. to 1923-25—	80.8	80.4	82.9	84.1	88.4	92.0	89.8	92.9	90.4	94.7	96.1	99.9	101.3
Petroleum refining—rel. to 1923-25—	83.0	85.6	89.6	91.1	96.1	96.7	90.8	100.8	99.3	101.4	103.2	109.3	113.8
Iron and steel—rel. to 1923-25—	45.2	50.6	52.4	57.6	64.9	69.1	70.0	67.5	62.4	66.7	68.9	75.8	75.4
Leather and its products—rel. to 1923-25—	67.7	75.5	72.6	66.7	68.7	70.6	73.4	68.8	60.6	58.1	55.0	69.7	76.2
Lumber and its products—rel. to 1923-25—	40.3	41.3	41.7	44.6	45.7	44.9	46.2	45.6	44.0	50.4	54.7	60.4	60.9
Machinery—rel. to 1923-25—	51.2	54.9	57.4	62.4	67.8	69.7	72.0	71.9	69.9	75.0	75.1	81.4	84.2
Nonferrous metals—rel. to 1923-25—	50.2	52.9	54.5	59.1	63.4	65.4	66.3	64.4	64.1	67.9	67.3	69.4	70.7
Paper and printing—rel. to 1923-25—	90.4	93.1	93.6	96.6	100.0	100.6	101.9	100.7	101.3	105.7	105.0	105.4	106.3
Rubber products—rel. to 1923-25—	54.6	62.2	64.0	72.4	71.0	66.8	63.2	63.8	63.8	62.6	58.7	65.9	71.8
Textiles—rel. to 1923-25—	71.0	70.2	65.9	66.7	71.7	76.8	81.9	76.9	68.4	72.2	73.4	80.3	81.2
Tobacco products—rel. to 1923-25—	62.7	66.3	67.5	68.6	68.3	65.7	68.3	65.3	64.3	77.7	76.8	78.0	80.0
Transportation—													
Group—rel. to 1923-25—	45.6	50.9	52.7	58.8	66.1	65.3	64.1	62.2	51.8	60.8	62.8	66.0	
Automobile—rel. to 1923-25—	41.5	50.4	53.2	62.1	75.6	70.8	67.7	61.1	40.0	55.5	57.4	58.4	62.4
Nonmanufacturing industries:													
Anthracite mining—rel. to 1929—	64.9	56.4	53.7	66.7	76.1	75.2	71.3	101.9	89.3	100.0	98.0	117.2	91.6
Bituminous coal mining—rel. to 1929—	53.6	50.6	50.4	52.4	54.4	58.6	65.2	68.3	73.3	77.7	79.1	79.4	74.9
Metalliferous mining—rel. to 1929—	40.0	40.2	41.3	46.1	49.3	51.4	52.8	54.6	55.0	59.9	63.4	68.6	69.9
Quarrying and nonmetallic mining—rel. to 1929—	51.2	55.1	57.3	60.1	62.3	62.6	58.2	54.4	50.4	59.9	66.8	79.3	82.5
Crude petroleum producing—rel. to 1929—	55.2	56.3	59.2	62.7	64.7	66.3	73.2	70.0	71.5	77.2	80.0	82.6	84.0
Telephone and telegraph—rel. to 1929—	92.1	92.3	93.3	95.0	94.1	95.0	97.9	94.8	96.3	101.3	97.7	100.9	102.2
Power, light, and water—rel. to 1929—	94.3	96.2	97.4	98.3	98.7	97.6	102.4	99.7	98.6	106.3	103.7	105.6	100.1
Operation and maintenance of electric railroads—rel. to 1929—	81.2	81.9	83.3	84.8	85.1	86.6	88.1	87.1	85.6	88.6	87.7	89.9	90.5
Wholesale trade—rel. to 1929—	81.4	82.1	83.3	84.1	84.7	85.2	89.1	88.4	87.5	91.3	91.0	92.9	93.6
Retail trade—rel. to 1929—	83.5	80.3	83.3	87.6	88.0	88.3	87.5	86.7	89.4	107.7	96.8	95.1	92.4
Hotels—rel. to 1929—	81.9	83.8	85.2	85.4	87.7	89.9	93.4	93.7	91.0	91.5	93.6	95.5	97.1
Canning and preserving—rel. to 1929—	129.4	104.7	74.2	58.6	56.0	57.1	60.3	48.6	46.1	57.4	82.9	140.0	214.8
Farm wages, without board—													
dolls per month—	*34.22			*37.00			*38.37		*39.04			*44.28	

*Revised.

†Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
EMPLOYMENT AND WAGES—Con.													
Wages—Continued													
Industrial pay rolls:													
Total, monthly—													
Delaware.....rel. to 1923-25	64.1	68.9	68.7	78.0	81.1	79.7	81.7	79.9	77.0	78.7	78.1	87.1	89.7
New Jersey.....rel. to 1923-25	66.6	70.7	70.8	72.0	76.3	76.1	77.3	78.6	77.5	83.4	87.7	93.4	93.0
New York.....rel. to 1923-	63.0	61.6	62.0	63.2	66.6	69.1	71.1	68.8	66.7	69.7	72.2	76.2	80.0
Pennsylvania.....rel. to 1923-25	53.7	55.1	55.6	60.6	64.9	69.5	68.4	68.3	66.2	71.3	74.8	80.7	81.4
Wisconsin.....rel. to 1925-27	58.9	61.0	64.2	67.2	68.2	68.8	65.8	66.0	63.9	66.2	73.0	73.0	72.3
Weekly—													
New York State.....thous. of dolls.	9,493	9,278	9,347	9,524	10,046	10,414	10,723	10,305	10,048	10,513	10,883	11,489	12,061
Oklahoma.....thous. of dolls.						632	679	711	730	808	869	\$36	12,944
Road building, wages of common labor:													
United States average.....cents per hour	34	36	36	37	37	35	37	36	36	37	33	39	40
East North Central section.....cents per hour	36	35	35	36	37	36	41	33	37	37	37	38	38
East South Central section.....cents per hour	18	19	20	20	21	20	21	22	21	22	24	24	24
Middle Atlantic section.....cents per hour	36	37	38	36	38	38	41	39	40	41	40	41	42
Mountain section.....cents per hour	46	47	45	46	45	43	44	42	44	45	47	48	48
New England section.....cents per hour	43	44	45	44	45	47	48	48	51	50	51	52	53
Pacific section.....cents per hour	50	50	51	51	50	51	52	51	51	51	52	53	53
South Atlantic section.....cents per hour	20	20	22	21	21	22	24	24	23	22	22	22	23
West North Central section.....cents per hour	35	35	35	36	36	36	37	36	37	37	35	38	37
West South Central section.....cents per hour	24	22	20	23	22	21	23	28	26	28	26	27	27
Railways, average hourly wages.....dollars				.660	.659	.664	.664	.669	.670	.670	.679	.659	.664
U. S. Steel Corp., wage rates, cents per hour					50	50	50	50	50	50	50	50	50
Weekly earnings of factory labor:													
United States, totals, 23 industries—													
Grand total.....dollars	21.75	22.49	22.34	23.07	24.25	23.82	23.93	24.29	23.07	24.03			
Grand total.....rel. to 1923	81.7	84.5	84.0	86.7	91.1	89.5	89.9	91.3	86.7	90.3			
Men—													
Total.....dollars	23.08	23.81	23.65	24.42	25.76	25.35	25.32	25.83	24.45	25.55			
Total.....rel. to 1923	80.5	83.0	82.5	85.1	89.8	88.4	88.3	90.1	85.3	89.1			
Skilled.....dollars	23.95	24.76	24.89	25.71	27.04	26.49	26.91	25.89	26.71				
Skilled.....rel. to 1923	77.7	80.4	80.8	83.4	87.8	86.0	86.0	87.3	81.0	86.7			
Unskilled.....dollars	18.19	18.86	18.92	19.55	20.75	20.46	20.78	20.89	19.77	20.46			
Unskilled.....rel. to 1923	81.6	84.6	84.9	87.7	91.3	93.3	93.8	88.7	91.8				
Women.....dollars	14.37	14.78	14.79	15.17	15.37	15.22	15.62	15.33	14.79	15.64			
Women.....rel. to 1923	84.5	85.7	85.8	88.0	89.2	88.3	90.6	88.9	85.8	90.7			
Totals by States—													
Illinois.....dollars	22.52	23.70	23.86	23.93	24.54	24.99	25.13	25.29	24.25	25.09	25.31	26.42	26.43
Illinois.....rel. to 1925-27	79.4	83.5	84.1	84.3	86.5	88.1	88.6	89.1	85.5	88.4	89.2	93.1	93.1
New York.....dollars	26.07	26.23	26.39	26.23	26.87	27.27	27.87	27.35	26.92	27.42	27.32	27.94	28.84
New York.....rel. to 1923	95.7	96.5	96.5	98.6	100.1	102.3	100.4	98.8	109.7	100.3	102.6	105.9	105.9
Oklahoma.....dollars													
Wisconsin.....dollars													
Wisconsin.....rel. to 1925-27													
Youngstown district, wages of steel workers.....p. ct. of base scale													
CONSTRUCTION													
Building Costs													
Building costs (A. G. C.), 1st of month.....rel. to 1913	193	195	195	196	197	199	199	200	199	199	199	200	198
Building costs (E. N. R.) 1st of month.....rel. to 1913	171.4	171.4	174.4	187.4	189.3	191.6	194.5	196.6	194.5	196.9	198.5	198.7	199.6
Building materials:													
Brick house, 6-rm., 1st of month.....rel. to 1913	161	163	164	166	167	167	170	171	170	174	172	176	174
Frame house, 6-rm., 1st of month.....rel. to 1913	154	156	155	158	160	157	163	165	163	168	165	171	168
Construction costs (Am. Appraisal):													
Brick, steel frame.....rel. to 1913	163	163	165	166	166	172	178	179	179	179	180	186	188
Brick, wood frame.....rel. to 1913	174	176	177	179	180	186	192	194	194	196	196	202	206
Frame.....rel. to 1913	159	160	162	165	166	172	178	179	179	182	183	188	191
Reinforced concrete.....rel. to 1913	164	165	166	168	169	175	181	182	182	184	185	190	193
Factory costs (quarterly) (After taxe).....rel. to 1914	3 174	4 174	4 176	4 176	4 181	4 181	4 185	4 185	4 185	4 185	4 185	4 185	4 185
Building volume (A. G. C.).....rel. to 1913	135	144	140	137	107	87	78	90	95	123	173	186	199
Construction Contracts Awarded													
Total construction, adjusted, F. R. B.rel. to 1923-1925	55	2 59	61	64	66	73	77	79	71	73	76	78	81
Total construction, all types: F. W. Dodge Corp.—													
Projects.....number	9,105	9,242	10,663	10,806	11,506	11,888	10,788	7,629	6,911	7,301	9,127	12,158	11,495
Floor space.....thous. of sq. ft.	30,068	30,631	33,812	35,001	38,941	39,350	37,955	28,339	24,635	29,055	33,099	39,484	41,193
Valuation.....thous. of dollars	232,110	233,106	285,997	331,880	306,079	336,925	366,981	235,405	227,956	249,436	253,574	336,706	331,864
Public works and utilities:													
Projects.....number	1,800	1,719	2,048	2,030	2,141	1,907	1,681	1,080	978	1,009	1,292	2,017	2,146
Floor space.....thous. of sq. ft.	353	737	1,233	2,367	387	785	522	246	393	697	468	339	1,484
Valuation.....thous. of dollars	85,139	72,664	116,265	184,512	108,948	132,993	151,722	78,643	95,211	78,621	76,378	112,966	109,032
Residential buildings, all types:													
Projects.....number	5,096	5,141	5,658	5,972	6,652	7,221	6,486	4,520	4,056	4,340	5,368	6,822	6,097
Floor space.....thous. of sq. ft.	12,092	14,124	15,889	16,913	21,911	22,633	22,000	16,559	12,235	14,705	18,844	22,337	19,688
Valuation.....thous. of dollars	54,553	60,203	63,893	72,745	88,900	95,896	100,913	77,918	54,376	70,911	80,782	104,670	98,535
Contracts awarded, Canada.....thous. of dollars	33,658	26,143	28,055	29,793	36,896	22,708	27,312	25,930	20,299	24,542	39,311	33,232	32,407
Engineering construction (E. N. R.):													
Total public.....thous. of dollars	129,157	82,453	148,784	125,737	122,036	176,075	168,925	83,837	116,535	99,616	87,188	121,633	104,973
Water works.....thous. of dollars	6,390	1,153	5,536	8,016	5,248	10,219	2,542	3,110	5,437	2,237	4,008	7,022	3,234
Sewers.....thous. of dollars	7,733	6,059	5,697	5,370	3,254	7,727	11,300	3,043	5,079	5,669	4,647	6,150	8,664
Bridges, public.....thous. of dollars	9,948	6,909	28,520	5,786	11,801	9,916	9,752	2,477	11,428	6,289	7,149	13,763	9,378
Excavation.....thous. of dollars	2,363	1,711	1,180	1,419	1,498	1,143	1,122	1,768	2,908	3,762	8,623	1,053	6,038
Street and roads.....thous. of dollars	29,840	31,088	56,511	62,471	63,167	81,623	53,588	36,032	39,620	25,650	25,798	47,886	41,601
Federal Government.....thous. of dollars	41,637	10,839	22,560	20,158	10,340	26,389	66,225	14,571	10,576	12,300	8,723	8,815	10,083
Unclassified, public.....thous. of dollars	4,753	5,990	4,129	3,965	5,422	8,214	10,247	5,633	16,134	22,915	11,805	3,798	7,162
Buildings, public.....thous. of dollars	26,491	18,704	24,651	18,552	18,606	30,844	14,349	16,553	25,359	20,704	16,535	33,146	18,813

* Revised.

* Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
CONSTRUCTION—Continued													
Construction Contracts Awarded—Con.													
Engineering construction (E. N. R.)—Con.													
Total, private—thous. of dolls.	47,799	66,448	121,326	70,580	95,797	110,830	78,421	94,705	120,660	73,199	102,146	121,305	109,227
Buildings, industrial—thous. of dolls.	10,021	11,801	38,663	13,901	12,605	22,965	16,566	14,119	14,135	11,746	20,401	24,593	17,641
Buildings, commercial—thous. of dolls.	25,446	33,256	55,242	40,986	54,413	67,444	46,128	50,432	54,316	51,742	73,447	83,723	73,492
Bridges, private—thous. of dolls.	944	137	2,250	25	6,243	50	25	0	230	100	1,997	825	5,750
Unclassified—thous. of dolls.	11,388	21,254	25,171	15,677	22,530	50,371	15,702	30,154	51,979	9,611	6,301	12,164	12,344
Highways													
Concrete pavements, new contracts:													
Total—thous. of sq. yds.	8,702	7,675	12,470	15,957	12,303	24,671	19,467	9,403	10,107	8,808	6,293	9,745	10,080
Road—thous. of sq. yds.	6,182	5,437	9,309	13,536	10,038	21,952	17,573	8,321	9,218	5,081	4,790	6,820	6,360
Federal-aid highways:													
Completed—													
Cost—thous. of dolls.	53,415	26,799	26,164	13,994	5,059	9,160	5,826	9,654	17,416	42,751	40,418	41,988	18,422
Distance—miles.	1,887	943	1,018	651	225	254	205	188	423	1,071	1,138	1,025	544
Under construction, end of month—miles.	10,659	11,884	12,207	12,306	11,229	9,569	8,277	7,489	6,957	7,030	7,785	8,325	8,459
PUBLIC UTILITIES													
Gas and Electric Power													
Electric power companies, gross revenue—thous. of dolls.	167,380	167,190	168,510	217,550	176,210	2175,840	182,280	2195,170	191,920	187,340	182,950	174,940	
Electric power production:													
United States—													
Total—mills. of kw. hrs.	7,629	27,770	27,526	7,639	7,613	7,876	7,160	7,947	8,108	7,693	8,185	7,792	
By fuels—mills. of kw. hrs.	5,164	25,026	24,642	4,500	4,520	5,243	5,001	5,597	5,746	5,502	5,906	5,517	
By water power—mills. of kw. hrs.	2,465	22,744	2,884	3,139	3,123	2,633	2,159	2,350	2,362	2,191	2,283	2,275	
In street railways, manufacturing plants, etc.—mills. of kw. hrs.	470	506	509	447	454	452	410	400	502	495	486	479	
In central stations—mills. of kw. hrs.	7,159	27,264	27,017	7,192	7,189	7,424	6,750	7,487	7,608	7,228	7,709	7,313	
Canada—													
Total—mills. of kw. hrs.	1,252	21,247	21,286	21,362	21,407	21,413	1,336	1,485	1,542	1,515	1,575	1,443	
By water power—mills. of kw. hrs.	1,234	21,231	1,268	1,343	1,388	1,392	1,311	1,456	1,513	1,488	1,550	1,419	
Exported—mills. of kw. hrs.	100	95	89	87	98	128	145	162	149	142	161	154	
Manufactured gas:													
Sales—mills. cu. ft.	23,527	24,741	28,310	29,865	30,731	30,945	31,110	33,478	31,320	29,757	29,377	26,882	
Revenue—thous. of dolls.	26,046	27,337	30,654	31,827	32,350	32,386	32,504	34,947	32,963	31,751	31,698	29,518	
Natural gas:													
Sales—mills. cu. ft.	31,661	32,834	33,821	43,340	52,568	54,729	56,242	63,333	56,529	49,386	40,930	36,136	
Revenue—thous. of dolls.	12,813	13,482	16,159	20,103	24,225	26,031	27,124	31,037	26,816	22,423	17,031	14,592	
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.	73,337	74,802	75,919	76,804	77,098	77,124	73,277	76,824	77,820	76,139	79,173	76,925	
Operating income—thous. of dolls.	16,621	16,320	17,977	18,046	19,051	18,650	16,864	17,892	16,070	17,148	19,074	17,756	
Telegraph													
Commercial telegraph tolls—thous. of dolls.	8,359	8,774	9,212	9,133	9,391	9,346	8,326	8,943	10,012	8,647	10,137	10,117	
Operating revenues—thous. of dolls.	10,825	11,370	11,875	11,744	11,963	12,024	10,506	11,528	12,973	11,348	13,157	13,054	
Operating income—thous. of dolls.	387	461	1,737	1,426	1,513	1,406	724	699	1,517	735	1,829	1,467	
Transportation													
Express earnings:													
Operating income—thous. of dolls.		139	105	107	129	119	134	128	102	124	118	115	
Operating revenue—thous. of dolls.		9,773	10,151	10,493	10,196	10,113	9,687	9,884	10,826	10,474	10,940	10,810	
Electric railways (232 companies):													
Average fare—cents.													
Passengers carried—thous. of persons.	712,660	730,617	787,453	831,183	843,669	861,501	782,034	860,458	898,062	828,905	878,327	817,253	
Inland waterways:													
Allegheny River—short tons.	246,551	294,720	237,024	143,627	169,760	134,854	52,700	49,620	56,740	64,170	230,423	240,832	282,393
Cape Cod Canal—short tons.	197,957	186,414	211,172	203,230	216,559	203,085	163,186	165,789	233,890	225,021	225,322	230,043	244,640
Mississippi River Government barges—short tons.	106,500	104,266	104,300	83,016	99,901	92,405	82,970	69,572	75,512	107,507	83,489	102,569	113,749
Monongahela River, thous. of short tons.	962	1,042	1,331	1,257	1,508	1,518	1,535	1,359	1,571	1,547	1,811	2,075	
New York State canals—thous. of short tons.	587	425	506	385	457	349	0	0	0	0	390	608	458
Ohio River, Pittsburgh to Wheeling—thous. of short tons.	636	662	849	736	686	713	546	428	505	500	926	1,037	928
Panama Canal—Total cargo traffic, thous. of long tons.	1,755	1,780	1,867	1,759	1,925	2,011	1,916	1,930	2,107	2,167	2,263	2,394	2,060
In American vessels—thous. of long tons.	884	859	829	828	937	929	910	864	958	953	1,009	1,133	1,040
In British vessels, thous. of long tons.	318	378	466	453	421	436	429	448	540	536	615	546	436
St. Lawrence Canal, thous. of short tons.	711	714	717	920	1,166	319	0	0	0	38	563	877	914
Sault Ste. Marie Canal—thous. of short tons.	7,126	8,385	7,611	6,645	4,335	922	0	0	312	5,130	9,094	10,347	
Sue Canal—thous. of met. tons.	1,860	1,963	2,027	2,403	2,396	2,440	2,474	2,744	2,246	2,186	2,217	2,204	
Welland Canal—short tons.	968,763	972,976	871,513	1,015,469	1,165,853	370,003	0	0	68,400	533,907	916,563	979,532	
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	
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	
Foreign, thous. of net tons.	4,729	4,794	4,302	4,014	3,815	3,271	3,571	3,514	3,723	4,423	4,593		

* Revised.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930			
	Septem-	August	July	June	May	April	March	Febru-	January	Decem-	Novem-	October	Septem-	
PUBLIC UTILITIES—Continued														
Transportation—Continued														
Passenger travel:														
Arrivals from abroad—														
Immigrants.....number.....	4,090	3,174	3,534	3,799	3,470	3,577	3,147	4,091	6,439	9,209	13,942	17,792		
United States citizens.....number.....	59,372	30,944	25,588	22,518	28,281	34,861	27,508	19,844	28,535	22,381	40,702	80,900		
Departures abroad—														
Emigrants.....number.....	9,541	7,428	5,893	5,616	5,647	4,693	4,720	4,397	5,450	4,951	5,352	5,100		
United States citizens.....number.....	65,895	46,961	29,579	23,242	24,418	32,278	33,172	24,885	21,140	24,420	32,988	56,526		
Passports issued.....number.....	8,812	10,749	17,667	27,689	28,513	21,466	14,328	7,255	7,445	6,565	7,496	7,834	8,772	
Pullman Company operations:														
Revenue.....thous. of dolls.....	5,564	5,413	5,470	5,055	5,238	4,894	5,346	6,072	5,418	5,305	6,016	6,476		
Passengers carried.....thousands.....	2,091	2,023	2,051	1,900	1,986	1,966	1,919	2,203	2,180	2,031	2,278	2,517		
Trend of business in hotels:														
Average sale per occupied room.....dollars.....	3.55	3.64	3.55	3.58	3.50	3.73	3.63	3.84	3.80	3.72	3.96	3.90	3.82	
Room occupancy.....p. ct. of capacity.....	58	54	54	56	61	63	61	64	66	60	65	69	64	
Steam railways:														
Equipment—														
Freight cars—														
In bad order, end of month—														
Quantity.....cars.....	194,127	187,585	181,702	172,776	170,165	162,966	162,117	153,606	147,650	147,334	155,883	157,727	157,141	
Ratio to total cars.....per cent.....	8.9	8.6	8.3	7.9	7.7	7.4	7.3	6.9	6.7	6.6	7.0	7.1	7.1	
New orders.....cars.....	3	534	443	972	46	2,768	2,166	24	0	2,691	2,862	3,291	3,565	
Owned, end of month—														
Quantity.....thous. of cars.....	2,220	2,224	2,229	2,244	2,249	2,251	2,253	2,254	2,258	2,271	2,272	2,275		
Capacity.....mills. of lbs.....	207,947	208,207	208,579	209,645	209,958	210,102	210,235	210,229	210,426	211,788	211,823	211,942		
Shipments—														
Total.....cars.....	780	524	341	615	648	1,082	762	633	845	607	1,182	2,384	4,235	
Domestic.....cars.....	776	499	341	555	646	1,082	657	533	735	436	1,139	2,307	4,176	
Unfilled orders (railroads)—														
Total.....cars.....	5,746	6,466	7,179	6,585	7,542	7,484	8,637	8,799	9,780	3,716	5,423	6,175		
Of manufacturers.....cars.....	866	1,336	2,070	1,599	2,176	1,569	2,207	2,681	3,376	1,125	2,445	4,127		
In railroad shops.....cars.....	4,880	5,130	5,109	4,986	5,366	5,915	6,430	6,118	6,404	2,591	2,978	2,048		
Locomotives (Am. Ry. Assc.)—														
Exports, steam.....number.....	0	2	1	3	5	0	2	2	3	0	5	2		
In bad order, end of month—														
Awaiting classified repairs.....number.....	6,310	6,173	5,913	5,938	5,910	5,958	5,967	5,734	5,522	5,216	5,102	4,936	4,676	
Ratio to total locomotives.....per cent.....	11.7	11.4	10.9	10.9	10.8	10.9	10.9	10.4	10.0	9.5	9.2	8.9	8.6	
Installed.....number.....	51	95	66	114	94	67	77	86	80	92	96	127	147	
New orders.....number.....	1	6	3	2	151	7	8	8	2	60	4	7	25	
Retired.....number.....	113	122	108	291	182	161	128	182	390	268	206	198		
Owned, end of month—														
Quantity.....number.....	54,967	55,029	55,056	55,008	55,278	55,366	55,450	55,534	55,576	55,678	55,985	56,157	56,236	
Tractive power.....mills. of lbs.....	2,512	2,514	2,513	2,513	2,518	2,520	2,522	2,525	2,525	2,528	2,538	2,541	2,541	
Shipments, manufacturers (Census)—														
Total.....number.....	4	13	13	19	26	15	10	15	16	49	43	50	65	
Electric, domestic.....number.....	0	1	1	0	0	2	5	5	6	6	2	3		
Steam, domestic.....number.....	4	2	11	19	26	12	5	10	10	37	37	48	62	
Shipments, electric locomotives—														
Industrial (quarterly).....number.....	3	3												
Mining (quarterly).....number.....	37													
Unfilled orders (railroads), end of mo—														
Of manufacturers.....number.....	15	16	18	20	31	57	60	57	64	90	59	102	143	
In railroad shops.....number.....	12	13	14	16	20	24	26	29	30	30	33	37	38	
Unfilled orders, manufacturers' (Census) —														
Total.....number.....	120	74	86	95	58	80	95	103	91	104	93	132	174	
Electric, domestic.....number.....	105	55	55	54	0	0	2	7	12	18	25	31	33	
Steam, domestic.....number.....	14	18	20	30	47	69	81	85	78	86	63	96	136	
Passenger cars—														
In railroad hands, end of quarter.....number.....														
New orders.....cars.....	0	0	0	0	0	4	0	0	0	51,644	2	10	62	
Shipments—														
Total.....cars.....	0	8	2	13	38	37	24	30	33	8	67	73	50	
Domestic.....cars.....	0	8	2	13	38	37	24	30	33	8	67	73	50	
Unfilled orders, end of quarter.....number.....										264			465	
Financial operations—														
Net operating income, thous. of dolls.....	55,859	56,535	50,163	41,264	39,074	45,906	27,264	33,849	49,372	62,069	112,251	104,078		
Operating revenues—														
Canada.....thous. of dolls.....														
United States—														
Total.....thous. of dolls.....	29,352	30,480	30,934	30,912	30,613	26,788	28,141	33,450	35,474	42,093	44,340			
Freight.....thous. of dolls.....	364,525	377,146	369,810	369,020	369,652	376,149	336,632	365,900	377,933	398,786	483,455	467,469		
Passenger.....thous. of dolls.....	280,103	290,348	281,261	283,161	283,711	291,289	257,521	277,014	280,909	311,042	385,684	363,473		
Operating expenses.....thous. of dolls.....	49,183	50,272	50,957	46,981	47,272	47,150	46,455	53,349	55,443	48,710	52,368	58,092		
Net operating revenue, Canada.....thous. of dolls.....	269,463	280,127	280,145	288,067	290,618	291,582	272,116	294,082	297,606	299,301	326,286	320,131		
Freight cars—														
Carloadings—														
Total.....thous. of cars.....	2,908	3,747	2,931	2,992	3,736	2,986	2,940	2,836	3,491	2,784	4,127	3,818	3,725	
Coal and coke.....thous. of cars.....	516	617	452	465	611	486	555	584	817	638	852	733	638	
Forest products.....thous. of cars.....	104	138	106	125	165	130	138	138	156	121	174	159	162	
Grain and grain products.....thous. of cars.....	149	228	220	140	180	151	153	165	196	143	190	163	189	
Livestock.....thous. of cars.....	96	106	71	75	106	85	79	88	124	94	140	129	108	
Ore.....thous. of cars.....	121	175	139	119	80	29	23	22	26	22	92	154	195	
Merchandise, l. c. l.thous. of cars.....	841	1,069	830	876	1,097	899	886	842	997	820	1,133	966	944	
Miscellaneous.....thous. of cars.....	1,081	1,413	1,113	1,192	1,496	1,206	1,105	997	1,175	946	1,546	1,514	1,490	
Car surplus (daily average, last week of month)—														
Total.....cars.....	564,284	573,680	564,068	569,232	615,924	602,832	621,509	650,964	646,750	706,538	580,498	402,637	394,032	
Box.....cars.....	293,424	302,887	288,414	306,443	306,319	282,315	298,837	336,577	380,603	304,100	230,705	202,398		
Coal.....cars.....	209,765	206,240	211,044	224,120	238,504	251,679	252,825	253,515	240,292	251,358	213,752	126,935	139,416	

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

¹ Revised.

² Quarter ending in month indicated.

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931										1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September	
PUBLIC UTILITIES—Continued														
Transportation—Continued														
Steam railways—Continued.														
Freight cars—Continued														
Operation results—														
Freight carried 1 mile—														
Canada—mills. of tons.			1,770	2,207	2,178	2,136	2,104	1,951	2,016	2,239	2,633	3,096	3,562	
United States—mills. of tons.	29,348	30,276	28,258	30,014	28,710	29,960	27,079	30,314	29,026	32,295	39,292	36,220		
Passengers carried 1 mile.millions.		2,116	2,034	1,870	1,831	1,758	1,747	1,915	2,015	1,828	1,959	2,253		
Receipts per ton-mile—cents.	1,051	1,090	1,054	1,093	1,074	1,049	1,015	1,052	1,050	1,063	1,081			
FINANCE														
Agricultural Finances														
Loans outstanding, end of month:														
Federal land banks—mills. of dolls..	1,174	1,178	1,179	1,182	1,184	1,185	1,187	1,187	1,187	1,188	1,189	1,190		
Federal intermediate credit banks—mills. of dolls..	130	133	137	137	131	138	138	128	128	130	132	126	123	
Joint-stock land banks—mills. of dolls..	545	548	551	532	536	540	544	548	550	553	567	560	563	
Banking														
Bank debits:														
Canada—mills. of dolls..		2,244	2,400	2,694	3,172	2,786	2,570	2,535	2,668	3,012	2,974	3,618	2,967	
New York City—mills. of dolls..	20,073	17,501	21,007	25,893	25,072	26,821	27,589	20,948	24,557	29,001	22,490	30,781	27,383	
Outside New York City—mills. of dolls..	16,627	16,526	18,444	19,406	18,858	19,620	19,421	17,084	21,697	22,113	19,700	23,693	21,253	
Outside New York City—rel. to 1923-25—	84.3	83.8	93.5	98.4	95.6	99.5	98.4	86.6	110.0	117.2	99.9	120.1	107.7	
Brokers' loans, end of month:														
By N. Y. F. R. member banks—mills. of dolls..	1,172	1,366	1,390	1,479	1,539	1,730	1,875	1,798	1,734	1,926	2,111	2,512	3,063	
Ratio to market value—per cent.	3.23	3.04	3.03	2.93	3.37	3.40	3.53	3.22	3.30	3.86	4.06	4.65	5.79	
Total—mills. of dolls..	1,044	1,354	1,344	1,391	1,435	1,651	1,909	1,840	1,720	1,894	2,162	2,556	3,481	
Deposits, New York State savings banks, end of month—mills. of dolls..	5,231	5,173	5,149	5,156	5,083	5,059	5,018	4,928	4,888	4,792	4,666	4,658	4,662	
Federal reserve banks:														
Bills discounted—mills. of dolls..	328	255	195	149	174	157	250	198	232	251	275	207	272	
Notes in circulation—mills. of dolls..	2,098	1,963	1,765	1,723	1,580	1,535	1,486	1,478	1,494	1,664	1,455	1,368	1,379	
Reserve ratio—per cent.	71.7	78.8	83.8	84.6	84.9	84.0	82.6	83.7	82.2	73.7	80.3	82.2	79.7	
Reserve ratio—rel. to 1923-25—	93.2	102.5	109.0	110.4	109.2	107.4	108.8	106.9	95.8	104.4	106.9	103.6		
Total deposits—mills. of dolls..	2,506	2,632	2,527	2,504	2,442	2,434	2,506	2,399	2,448	2,517	2,422	2,465	2,532	
Total investments—mills. of dolls..	1,211	943	751	773	724	761	728	735	1,100	780	771	780	783	
Total reserve—mills. of dolls..	3,301	3,619	3,597	3,576	3,413	3,334	3,296	3,244	3,243	3,082	3,115	3,149	3,118	
Federal reserve member banks:														
Net demand deposits—mills. of dolls..	13,227	13,244	13,473	13,688	13,605	13,664	13,748	13,614	13,680	13,999	13,908	13,830	13,812	
Total investments—mills. of dolls..	7,016	7,665	7,810	7,795	7,807	7,903	7,551	7,183	6,843	6,693	6,800	6,781	6,454	
Total loans and discounts—mills. of dolls..	14,191	14,398	14,486	14,691	14,730	14,993	15,382	15,464	15,753	16,263	16,516	16,764	17,013	
Interest rates:														
Call loans, renewal—per cent.	* 1.50	1.50	1.50	1.50	1.45	1.52	1.55	1.50	1.57	2.23	2.00	2.00	2.19	
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	3.81	3.90	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.06	
New York Federal Reserve—Bank (discount rate)—per cent.	1.50	1.50	1.50	1.50	* 1.50	* 2.00	2.00	2.00	2.00	* 2.00	2.50	2.50	2.50	
Prime bankers' acceptances—per cent.	1.07	.88	.88	.88	2.00	1.50	1.50	1.44	1.56	1.88	1.88	1.88	1.88	
Prime commercial paper (4-6 months)—per cent.	2.00	2.00	2.00	2.00	2.13	2.38	2.50	2.63	2.88	2.88	2.88	3.00	3.00	
Prime commercial paper (4-6 months)—rel. to 1923-25—	46.4	46.4	46.4	46.4	49.4	55.2	58.0	61.0	66.8	66.8	66.8	69.6	69.6	
Time loans, 90 days—per cent.	1.63	1.33	1.33	1.50	1.75	2.00	2.13	1.88	2.13	2.25	2.13	2.50	2.63	
Business Failures														
Firms (United States):														
Banks—number—	298	2158	93	167	89	64	86	77	202	344	254	72	66	
Total commercial—number—	1,936	1,944	1,983	1,993	2,248	2,386	2,604	2,563	3,316	2,525	2,031	2,124	1,963	
Manufacturers—number—	449	427	520	449	552	515	582	583	611	537	448	499	434	
Trade establishments—number—	1,374	1,381	1,322	1,425	1,570	1,710	1,843	1,831	2,541	1,824	1,447	1,474	1,395	
Agents and brokers—number—	113	136	141	109	126	158	179	149	164	154	136	151	134	
By groups—														
Manufacturers—														
Total—number—	449	427	520	449	552	515	582	583	611	537	448	499	434	
Chemicals—number—	13	9	13	7	12	9	5	13	10	9	5	7	9	
Foodstuffs—number—	40	30	34	64	43	38	37	37	32	34	27	35	35	
Leather—number—	14	18	16	26	14	12	23	14	17	14	8	15	14	
Liquors and tobacco—number—	10	7	6	10	4	6	9	9	6	6	10	14	8	
Lumber—number—	49	52	39	57	65	75	61	72	76	77	71	54	65	
Printing and engraving—number—	23	14	17	21	27	20	27	21	15	21	15	18	20	
Stone, clay, and glass—number—	6	6	13	7	9	5	7	4	11	12	14	12	7	
Textiles—number—	64	61	75	53	78	78	79	96	124	85	71	97	53	
Metals—number—	32	49	49	37	50	55	52	54	44	34	34	34	30	
All other—number—	198	181	258	167	250	227	282	269	270	251	190	211	197	
Traders—														
Total—number—	1,374	1,381	1,322	1,425	1,570	1,710	1,843	1,831	2,541	1,824	1,447	1,474	1,395	
Books and paper—number—	15	12	19	20	19	18	28	19	15	15	11	18	12	
Chemicals and paints—number—	90	109	86	84	108	98	107	93	117	114	111	94	98	
Clothing—number—	273	220	257	235	295	351	400	381	633	444	261	250	257	
Foods and tobacco—number—	353	441	363	360	401	451	441	438	476	461	393	398	341	
General stores—number—	87	78	66	89	88	109	152	131	220	138	104	108	93	
Household furniture—number—	234	235	239	243	357	297	358	407	571	290	245	253	247	
All other—number—	322	288	292	404	302	398	357	362	509	372	322	353	347	
Firms (Canada)—number—														
Liabilities (United States):														
Banks—thous. of dolls.—	271,299	2185,902	41,334	2196,082	43,963	42,417	35,285	35,123	78,130	367,119	186,306	24,599	23,666	
Total commercial—thous. of dolls.—	40,256	53,025	60,998	51,656	53,371	50,868	60,387	59,608	94,608	83,683	55,261	56,297	46,947	
Total commercial—rel. to 1923-25—	94.9	125.1	143.9	121.8	125.9	120.0	142.4	140.6	223.1	197.4	130.3	132.8	110.7	
Manufacturers—thous. of dolls.—	14,857	16,967	20,586	21,909	18,506	18,719	24,072	25,304	47,633	19,948	19,433	17,089	16,448	
Trade establishments—thous. of dolls.—	24,658	25,												

MONTHLY BUSINESS STATISTICS—Continued

	1931									1930				
	September	August	July	June	May	April	March	February	January	December	November	October	September	
<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>														
FINANCE—Continued														
Dividend and Interest Payments														
Grand total.....	mills. of dolls.	533	490	946	762	560	749	594	524	1,121	713	579	2,777	2,574
Dividend payments:														
Total.....	mills. of dolls.	223	245	387	346	292	314	311	285	521	284	277	2,334	2,278
Industrial and miscellaneous.....	mills. of dolls.	174	170	267	237	213	236	236	217	386	221	212	2,252	2,205
Steam railroads.....	mills. of dolls.	27	34	42	34	33	33	46	45	56	39	39	44	2,33
Street railways.....	mills. of dolls.	7	6	11	7	8	9	7	9	16	14	12	2,10	7
Interest payments.....	mills. of dolls.	300	245	559	416	268	435	284	239	601	429	302	443	296
Foreign Exchange Rates														
America:														
Argentina.....	dolls. per gold peso	.597	.646	.699	.703	.707	.765	.780	.719	.697	.756	.781	.781	.818
Brazil.....	dolls. per milreis	.059	.064	.072	.075	.067	.073	.079	.086	.091	.096	0	0	.101
Canada.....	dolls. per Canadian doll	.963	.997	.997	.999	1,000	1,000	1,000	1,000	.998	.999	1,001	1,001	1,001
Chile.....	dolls. per paper peso	.120	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121	.121
Asia:														
Japan.....	dolls. per yen	.493	.494	.494	.494	.494	.494	.494	.494	.494	.496	.496	.496	.494
India.....	dolls. per rupee	.339	.359	.360	.360	.361	.361	.361	.359	.359	.359	.360	.360	.360
Europe:														
Belgium.....	dolls. per beiga	.139	.139	.140	.139	.139	.139	.139	.139	.139	.140	.139	.139	.140
England.....	dolls. per lb. sterling	4.53	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86	4.86
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	.403	.402	.402	.401	.401	.401	.402	.403	.402	.403	.403
Sweden.....	dolls. per krone	.261	.268	.268	.268	.268	.268	.268	.268	.268	.268	.268	.269	.269
Switzerland.....	dolls. per franc	.195	.195	.194	.193	.193	.192	.193	.194	.194	.194	.194	.194	.194
Gold and Silver														
Gold:														
Domestic receipts at mint—fine ounces.....		128,928	115,343	118,123	114,651	95,133	93,612	85,091	87,717	94,476	109,907	113,430	152,648	125,871
Exports—thous. of dolls.....		25,708	39	1,009	40	628	27	26	14	54	36	5,008	9,266	11,133
Imports—thous. of dolls.....		49,240	57,539	20,497	63,887	50,258	49,543	25,671	16,156	34,426	32,778	40,159	35,635	13,680
Monetary stocks of U. S., daily average.....	mills. of dolls.	4,948	4,975	4,958	4,865	4,767	4,711	4,682	4,656	4,622	4,533	4,553	4,520	4,503
Rand output—fine ounces.....		916,000	916,423	916,843	897,000	910,279	882,237	910,998	839,837	914,576	908,482	884,735	926,561	905,176
Silver:														
Exports—thous. of dolls.....		2,121	2,024	2,305	1,895	2,099	3,249	2,323	1,638	3,571	3,472	4,102	4,424	3,903
Imports—thous. of dolls.....		2,309	2,685	1,640	2,364	2,636	2,439	1,821	1,877	2,896	2,660	2,652	3,270	3,461
Price at New York—dollars per fine oz.....		.282	.275	.283	.273	.277	.283	.292	.268	.294	.326	.359	.358	.363
Production—United States—thous. of fine oz.....		2,029	* 2,419	2,176	2,433	2,762	2,831	3,528	3,187	3,480	3,713	3,738	3,816	3,780
Canada—thous. of fine oz.....		1,403	1,610	2,133	731	1,836	1,139	1,431	1,772	1,932	2,043	1,412	2,201	3,486
Mexico—thous. of fine oz.....				6,390	7,041	7,374	9,555	6,510	6,944	8,751	8,481	8,712	8,899	9,154
Stocks, end of month—United States—thous. of fine oz.....		4,082	2,240	2,077	1,611	1,485	713	2,714	1,851	792	960	956	649	813
Canada—thous. of fine oz.....		989	1,363	754	958	1,423	1,509	796	702	694	179	216	217	341
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.					* 3			* 3			* 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.				* 69				* 68			* 68		* 65
Life Insurance														
(Association of Life Insurance Presidents)														
Admitted life insurance assets (40 cos.):														
Grand total.....	mills. of dolls.	16,070	15,978	15,871	15,769	15,662	15,573	15,474	15,392	15,293	15,217	15,120	15,024	
Mortgage loans—														
Total.....	mills. of dolls.	6,359	6,353	6,356	6,345	6,332	6,330	6,323	6,312	6,303	6,270	6,244	6,223	
Farm.....	mills. of dolls.	1,533	1,535	1,541	1,544	1,547	1,555	1,555	1,554	1,561	1,562	1,562	1,563	
Ali other.....	mills. of dolls.	4,826	4,818	4,804	4,788	4,783	4,768	4,757	4,749	4,709	4,682	4,680	4,680	
Bonds and stocks (book value):														
Government.....	mills. of dolls.	1,258	1,213	1,189	1,164	1,134	1,120	1,108	1,106	1,104	1,101	1,095	1,089	
Public utility.....	mills. of dolls.	1,667	1,662	1,644	1,611	1,605	1,578	1,572	1,545	1,531	1,521	1,521	1,488	
Railroad.....	mills. of dolls.	2,663	2,657	2,653	2,660	2,651	2,644	2,648	2,633	2,637	2,640	2,638	2,622	
All other.....	mills. of dolls.	504	503	504	499	495	487	485	478	475	469	465	449	
Total.....	mills. of dolls.	6,092	6,035	5,990	5,927	5,894	5,836	5,813	5,762	5,747	5,736	5,719	5,648	
Policy loans and premium notes.....	mills. of dolls.	2,409	2,388	2,363	2,331	2,300	2,273	2,241	2,212	2,169	2,127	2,098	2,062	
Amount of new insurance (44 cos.):														
Group.....	mills. of dolls.	37	46	46	81	72	99	62	104	78	131	59	52	138
Industrial.....	mills. of dolls.	199	247	253	251	236	225	247	209	214	229	208	244	210
Ordinary.....	mills. of dolls.	484	547	606	673	672	691	720	599	596	753	593	620	545
Total insurance.....	mills. of dolls.	720	839	905	1,005	980	1,025	912	888	1,112	861	915	894	
Policies and certificates, new (44 cos.):														
Group.....	thous. of certificates	22	26	22	45	35	59	28	60	44	59	28	35	46
Industrial.....	thous. of policies	723	995	994	926	845	865	881	731	750	794	741	847	722
Ordinary.....	thous. of policies	223	233	260	285	288	301	321	247	231	319	253	261	229
Total policies and certificates.....	thousands	968	1,254	1,276	1,256	1,168	1,225	1,230	1,039	1,026	1,172	1,022	1,143	996
Premium collections (44 cos.):*														
Annuities.....	thous. of dolls.	9,019	9,304	17,979	13,868	25,175	12,682	11,919	12,430	10,741	19,615	7,094	6,917	5,016
Group.....	thous. of dolls.	7,521	7,895	8,114	8,117	8,037	8,398	8,748	10,108	9,591	7,269	7,944	7,220	
Industrial.....	thous. of dolls.	55,319	62,874	55,612	60,654	59,884	53,854	62,920	56,388	62,659	112,666	58,108	65,851	59,859
Ordinary.....	thous. of dolls.</td													

MONTHLY BUSINESS STATISTICS—Continued

Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FINANCE—Continued													
Life Insurance—Continued													
Sales of ordinary life insurance (Life Insurance Sales Research Bureau):													
Canada, total, 15 cos. thous. of dolls.	30,066	35,738	39,977	46,227	41,314	45,648	46,945	40,180	41,188	49,874	46,868	46,019	39,643
United States, total. thous. of dolls.	535,353	589,497	634,902	734,614	724,206	754,002	770,440	647,140	628,607	795,642	653,131	685,755	603,102
Eastern manufacturing district. thous. of dolls.	221,440	242,920	267,378	321,403	313,038	327,077	343,745	289,757	280,066	324,635	279,651	285,594	238,909
Far western district. thous. of dolls.	56,553	60,607	63,112	70,226	68,663	70,943	73,579	60,094	61,589	86,291	65,011	71,961	68,520
Southern district. thous. of dolls.	61,075	69,047	73,714	84,055	81,955	82,930	77,628	64,009	65,329	91,922	72,189	77,196	69,724
Western agricultural district. thous. of dolls.	75,004	84,197	91,959	100,752	98,861	102,396	101,945	86,439	82,754	117,117	90,178	97,300	89,779
Western manufacturing district. thous. of dolls.	121,280	132,726	138,739	158,178	161,689	170,657	173,543	146,841	138,869	175,677	146,102	153,704	136,170
Ordinary life insurance, lapse rates (Life Insurance Research Bureau):													
United States, total. rel. to 1925-26.													
East North Central. rel. to 1925-26.													
8 111													
8 123													
8 116													
8 117													
8 128													
8 127													
8 95													
8 108													
8 105													
8 114													
8 98													
8 103													
8 109													
8 106													
8 107													
8 110													
8 119													
8 124													
Public Finance													
Customs receipts. thous. of dolls.	35,500	38,240	34,480	28,986	27,463	31,798	31,807	28,107	28,808	30,764	36,365	39,319	36,655
Expenditures chargeable to ordinary receipts. thous. of dolls.	356,630	323,838	330,661	375,153	285,802	432,366	720,236	191,425	413,796	364,540	244,651	375,244	308,221
Government debt, gross end of month. mills. of dolls.	17,321	16,864	16,802	16,801	16,527	16,655	16,583	16,231	16,163	16,026	16,185	16,180	16,081
Total ordinary receipts. thous. of dolls.	368,792	122,141	131,706	512,894	124,405	148,208	433,301	118,614	125,605	717,092	120,362	147,813	602,811
United States money in circulation. mills. of dolls.	5,133	4,947	4,836	4,750	4,679	4,647	4,590	4,598	4,695	4,823	4,528	4,501	4,492
Stockholders													
American Telephone & Telegraph Co.: Domestic. number.	3,605,885												
Foreign. number.	3,670												
Pennsylvania R. R. Co.: Domestic. number.	3,241,301												
Foreign. number.	3,284												
U. S. Steel Corporation (common stock): Domestic. number.	3,166,316												
Foreign. number.	3,2701												
Shares held by brokers. p. ct. of total.	3,13	16		14,37									
Stocks and Bonds													
BONDS													
Bond prices:													
Combined price index. p. ct. of par, 4% bond.	72.24	77.05	80.90	79.07	80.48	80.86	82.29	82.06	81.98	78.96	81.10	82.49	84.26
Highest-grade rails p. ct. of par, 4% bond.	92.70	95.14	97.70	97.73	97.68	96.11	96.31	96.41	96.59	92.89	94.63	95.85	95.33
Industrial p. ct. of par, 4% bond.	61.60	65.82	67.75	64.36	66.70	68.15	70.83	70.72	70.98	68.61	70.53	71.63	76.13
Public utility p. ct. of par, 4% bond.	78.40	82.81	83.68	82.76	80.91	80.06	79.59	79.60	78.14	75.54	77.32	78.92	79.49
Second-grade rails p. ct. of par, 4% bond.	64.11	70.76	80.34	78.51	82.54	84.03	86.58	86.39	86.54	82.78	85.85	87.49	88.32
Bond prices, 1st of following month:													
50 domestic bonds. p. ct. of par.	96.32	99.98	100.38	100.25	99.89	100.12	100.15	100.27	99.57	99.54	99.68	100.08	100.96
40 representative issues. p. ct. of par.	53.98	71.02	72.32	83.84	81.01	85.30	88.03	86.67	84.56	81.53	84.05	86.08	88.25
5 liberty bonds. p. ct. of par.	103.76	106.04	106.09	106.30	106.84	105.77	105.37	104.85	104.23	105.53	106.41	106.06	105.84
Bond yields:													
Industrial (15). per cent.	5.64	5.26	5.13	5.25	5.24	5.10	4.98	5.01	4.99	5.12	4.97	4.89	4.85
Liberty and Treasury bonds. per cent.	3.40	3.34	3.32	3.30	3.31	3.38	3.39	3.40	3.33	3.34	3.32	3.34	3.37
Municipal (15). per cent.	4.00	3.88	3.88	3.76	3.75	3.80	3.89	3.95	3.92	4.08	4.00	3.94	3.97
Municipal bond yield (20). per cent.	4.00	3.85	3.86	3.84	3.74	3.85	3.90	4.03	4.05	4.12	4.06	3.99	3.97
Railroads (15). per cent.	4.66	4.47	4.32	4.32	4.27	4.33	4.27	4.27	4.25	4.41	4.32	4.25	4.25
U. S. Treasury notes and certificates, 3-6 mos. per cent.	.45	.42	.41	.55	.58	1.49	1.38	1.06	1.24	1.48	1.40	1.74	1.84
Utilities (15). per cent.	4.50	4.40	4.42	4.46	4.44	4.46	4.48	4.54	4.56	4.61	4.57	4.53	4.55
Total, 60 high grade. per cent.	4.70	4.50	4.44	4.45	4.43	4.43	4.41	4.44	4.45	4.55	4.46	4.41	4.41
Long-term real-estate bonds issued:													
Grand total. thous. of dolls.	66,785	2,100	775	3,425	9,485	7,235	2,015	3,590	4,520	29,877	9,965	6,635	13,890
Interest rates. per cent.	5.80	5.76	5.78	5.69	5.43	5.68	5.66	5.36	5.81	5.75	5.74	5.61	5.89
Kind of structure:													
Apartments. thous. of dolls.	0	0	0	0	0	250	0	0	0	110	175	0	0
Hotels. thous. of dolls.	0	0	0	0	265	0	0	1,250	340	0	0	600	
Office and commercial. thous. of dolls.	66,445	1,985	175	2,700	8,650	4,400	1,475	2,000	1,200	28,972	9,300	3,050	2,300
Purpose of issue:													
Acquisitions and improvements. thous. of dolls.	0	0	0	0	265	0	210	0	1,250	850	0	2,000	10,500
Finance construction. thous. of dolls.	395	565	600	1,000	0	1,700	1,000	1,500	2,850	530	1,695	1,210	1,475
Real-estate mortgage. thous. of dolls.	66,090	635	0	425	9,220	3,135	630	1,090	0	27,945	5,120	1,975	165
STOCKS													
Stock prices, average daily closing:													
25 industrials, average. dolls. per share.	156.80	190.59	193.83	198.56	198.75	215.74	237.52	235.29	214.18	212.34	227.60	240.49	282.92
25 industrials, average. rel. to 1923-25.	125.3	152.3	154.9	158.6	154.8	172.4	189.8	188.0	171.1	169.6	181.8	191.1	226.0
25 railroads, average. dolls. per share.	46.44	57.87	64.88	68.09	65.89	74.97	84.55	92.03	90.38	82.00	90.23	97.30	110.16
25 railroads, average. rel. to 1923-25.	66.4	82.7	92.8	97.4	94.2	107.2	120.9	131.6	129.2	117.2	129.0	129.1	157.5
103 stocks, average. dolls. per share.	22.90	32.48	33.35	35.81	31.39	36.38	40.49	44.00	40.69	38.09	42.12	43.44	47.40

* Quarter ending in month indicated

MONTHLY BUSINESS STATISTICS—Continued

<i>Earlier data for items shown here may be found in the 1931 Annual Supplement to the Survey</i>	1931									1930			
	September	August	July	June	May	April	March	February	January	December	November	October	September
FINANCE—Continued													
Stocks and Bonds—Continued													
Stocks—Continued													
Stock prices, average weekly closing:													
All industrials (404).....rel. to 1926..	81.7	95.5	98.2	95.1	98.0	109.2	121.6	119.8	112.3	109.4	116.7	127.6	148.8
All railroads (33).....rel. to 1926..	56.1	66.2	75.3	74.0	76.8	87.3	97.2	104.7	100.4	93.5	102.1	110.9	122.6
All utilities (34).....rel. to 1926..	131.9	154.0	157.5	153.0	156.4	169.8	188.9	177.9	163.4	157.9	167.4	187.0	216.4
Industrials, rails and utilities (337).....rel. to 1926..	75.8	88.5	89.8	86.5	89.4	100.3	111.8	110.3	103.4	101.9	108.5	117.8	139.3
Agricultural implements (4).....rel. to 1926..	94.0	115.0	129.2	140.3	150.5	178.6	174.0	161.7	169.7	195.8	211.7	265.3	265.3
Airplanes (10).....rel. to 1926..	158.1	194.1	196.3	189.7	202.3	227.6	268.2	237.3	202.5	177.0	214.9	269.6	391.1
Automobiles and trucks (13).....rel. to 1926..	84.7	103.4	104.9	101.2	110.0	117.4	128.6	120.4	106.2	100.3	101.2	108.0	132.5
Automobile tires and rubber goods (7).....rel. to 1926..	41.1	49.1	50.2	46.7	46.4	50.0	57.5	54.4	50.6	54.9	56.0	52.5	65.5
Chain stores (17).....rel. to 1926..	80.0	91.6	89.2	88.5	88.8	86.2	89.9	86.4	78.4	78.1	81.7	88.1	95.6
Copper and brass (9).....rel. to 1926..	50.0	61.0	65.8	62.0	66.7	79.4	95.7	90.8	82.1	79.9	90.8	92.6	114.4
Food, other than meat (20).....rel. to 1926..	96.7	112.0	112.2	111.9	117.7	127.1	136.9	133.2	127.2	123.0	126.4	133.5	149.8
Machinery and machine equipment (10).....rel. to 1926..	71.6	84.2	88.0	83.4	88.7	109.4	125.1	125.8	120.4	116.9	120.3	134.4	154.1
Oil producing and refining (16).....rel. to 1926..	60.0	69.9	67.4	63.1	63.2	74.1	84.5	90.7	89.1	87.8	96.9	106.4	125.4
Railroad equipment (9).....rel. to 1926..	46.4	54.5	57.2	54.6	57.1	67.5	78.2	77.4	74.1	72.9	76.8	82.0	95.6
Rayon (5).....rel. to 1926..	45.9	48.4	48.9	48.6	48.6	52.6	51.5	52.2	53.8	58.2	67.9	64.6	71.4
Steel and iron (9).....rel. to 1926..	54.8	65.2	71.8	68.2	72.1	88.1	102.9	101.2	89.8	91.6	99.5	115.4	138.1
Textiles (30).....rel. to 1926..	40.4	44.7	45.8	45.0	47.4	52.2	58.2	55.3	52.5	51.0	54.9	58.2	67.2
Theaters, motion pictures and amusements (7).....rel. to 1926..	37.9	43.4	44.5	44.6	44.3	61.3	76.1	80.2	69.4	66.7	77.7	87.8	112.4
Tobacco and tobacco products (10).....rel. to 1926..	117.5	136.9	141.0	133.5	137.3	144.3	143.8	137.4	131.5	125.6	129.2	136.8	152.6
Traction, motor transportation (9).....rel. to 1926..	51.1	59.8	62.7	63.2	60.8	61.9	67.1	66.3	63.1	63.3	67.9	72.3	74.6
Stock sales, N. Y. Stock Exchange.....thous. of shares..	51,140	24,890	33,540	58,719	46,661	54,335	65,494	64,145	52,543	58,764	51,946	65,497	53,545
Stock yields:													
Preferred high-grade industrial (20).....per cent..	6.03	5.80	5.77	5.85	5.71	5.50	5.54	5.61	5.66	5.77	5.62	5.52	5.48
Total common (90).....per cent..	6.51	5.74	5.66	5.96	5.95	5.43	4.95	5.12	5.50	5.62	5.43	5.05	4.33
Industrials (50).....per cent..	6.63	5.94	5.89	6.20	6.23	5.69	5.17	5.35	5.73	5.79	5.69	5.39	4.60
Public utilities (20).....per cent..	5.11	4.36	4.33	4.47	4.42	4.04	3.60	3.89	4.26	4.37	4.10	3.64	3.04
Railroads (20).....per cent..	9.59	8.15	7.54	7.76	7.91	7.12	6.75	6.29	6.56	7.05	6.46	5.98	5.45
New Security Issues													
Bond sales, Canada:													
Total.....thous. of dollars..	51,078	1,923	7,133	62,240	666,340	57,994	44,958	39,834	109,864	46,839	69,563	156,873	31,658
Corporation.....thous. of dollars..	240	400	683	5,085	9,660	3,975	17,054	19,300	2,685	12,355	7,000	33,690	7,150
Dominion and provincial													
.....thous. of dollars..	0	0	5,000	33,650	650,141	25,764	8,057	8,000	35,444	7,714	60,000	112,404	15,150
Municipal.....thous. of dollars..	833	1,523	1,450	13,505	7,039	28,264	18,097	12,534	1,735	2,520	2,563	10,779	9,358
Railways.....thous. of dollars..	50,000	0	0	0	0	0	1,750	0	70,000	24,250	0	0	0
Bond sales (U. S.):													
Corporation—													
Total.....thous. of dollars..	176,264	51,997	155,934	252,918	250,590	456,678	401,229	88,226	530,706	187,644	141,855	213,795	346,887
Class of industry—													
Industrial.....thous. of dollars..	4,550	9,197	15,439	6,350	4,850	96,932	82,400	2,925	69,173	21,889	10,562	44,605	10,273
Land and buildings.....thous. of dollars..	67,009	2,650	1,651	3,813	10,415	7,577	3,765	6,405	8,021	30,002	15,365	8,740	15,615
Oil.....thous. of dollars..	0	400	0	5,000	2,000	4,940	2,053	0	1,500	0	4,250	35,750	0
Public utilities.....thous. of dollars..	42,050	27,456	136,800	220,416	210,025	305,661	101,393	64,266	324,108	116,778	89,738	104,642	172,243
Railroads.....thous. of dollars..	60,000	12,295	0	16,113	22,500	6,000	200,018	12,000	175,004	14,250	7,600	5,000	76,254
Shipping and miscellaneous.....thous. of dollars..	2,625	0	2,044	1,226	800	35,563	11,600	2,630	2,900	4,725	14,340	15,058	72,501
Purpose of issue—													
New capital.....thous. of dollars..	156,381	46,197	115,070	131,343	169,360	267,471	269,030	74,251	399,848	180,872	137,622	151,148	284,570
Refunding.....thous. of dollars..	19,883	5,800	40,864	121,575	81,230	189,207	132,199	13,975	180,858	6,772	4,233	62,647	62,317
Type of security—													
Bonds and notes.....thous. of dollars..	163,399	39,835	153,814	247,034	190,065	354,960	391,758	61,460	535,404	114,135	123,417	183,659	285,112
Stocks.....thous. of dollars..	12,865	12,162	2,120	5,884	60,525	101,709	9,471	26,766	45,302	73,509	18,438	30,136	61,775
Bond sales on N. Y. Stock Exchange:													
Miscellaneous.....thous. of dollars..	267,323	191,035	219,615	252,585	221,256	215,661	238,298	174,535	247,308	250,707	182,906	264,357	221,327
Liberty—Treasury.....thous. of dollars..	38,493	8,675	8,284	15,167	14,431	12,127	8,723	19,911	16,809	15,055	6,640	7,773	9,631
Total.....thous. of dollars..	305,816	199,710	227,899	267,732	235,687	227,788	247,021	194,446	264,117	265,762	189,546	272,130	230,958
Foreign governments:													
Foreign loans in the United States.....thous. of dollars..	23,602	0	21,900	38,800	69,184	44,303	13,791	8,707	95,657	22,377	5,662	103,545	59,650
States and municipalities:													
Permanent loans.....thous. of dollars..	118,772	276,691	291,327	120,041	169,022	111,395	279,327	119,589	49,977	97,703	93,982	158,380	79,578
Temporary loans.....thous. of dollars..	102,019	294,422	45,602	30,892	24,785	196,598	64,975	250,436	69,697	76,531	80,422	81,222	76,501

* Revised.

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