UNITED STATES DEPARTMENT OF COMMERCE

WASHINGTON

SURVEY OF CURRENT BUSINESS

JUNE, 1930

No. 106

ISSUED BY

BUREAU OF THE CENSUS

IMPORTANT NOTICE

In addition to figures given from Government sources, there are also incorporated for completeness of service figures from other sources generally accepted by the trades, the authority and responsibility for which are noted in the "Sources of Data" on pages 139–142 of the February, 1930, semiannual issue

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

INTRODUCTION

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 reported are very largely those already in existence. The chief function of the department is to bring together these 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.

At semiannual intervals detailed tables are published giving, for each item, monthly figures for the past two years and yearly comparisons, where available, back to 1913; also blank lines sufficient for six months have been left at the bottom of each table, enabling those who care to do so to enter new figures as soon as they appear (see February, 1930 issue). In the intervening months the more important comparisons only are given in the table entitled "Trend of business movements."

WEEKLY SUPPLEMENT

Realizing that current statistics are highly perishable and that to be of use they must reach the business man at the earliest possible moment, the department has arranged to distribute supplements every week to subscribers in the United States. The supplements are usually mailed on Saturdays and give such information as has been received during the week ending on the preceding Tuesday. The monthly information contained in these bulletins is republished in the SURVEY, and the supplements also contain charts and tables of weekly data.

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 number 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 or period to equal 100. If the movement for a 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 it 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.

RATIO CHARTS

In most instances the charts used in the SURVEY OF CURRENT BUSINESS are of the type termed "Ratio Charts" (logarithmic scale), notably the Business Indicator charts on page 2. These charts show the percentage increase and allow direct comparisons between the slope of one curve and that of any other curve regardless of its location on the diagram; that is, a 10 per cent increase in an item is given the same vertical movement whether its curve is near the bottom or near the top of the chart. The difference between this and the ordinary arithmetic form of chart can be made clear by an example. If a certain item having a relative number of 400 in one month increases 10 per cent in the following month, its relative number will be 440, and on an ordinary chart would be plotted 40 equidistant scale points higher than the preceding months. Another movement with a relative number of, say, 50 also increases 10 per cent, making its relative number 55. On the ordinary (arithmetic) scale this item would rise only 5 equidistant points, whereas the previous item rose 40 points, yet each showed the same percentage increase. The ratio charts avoid difficulty and give to each of the two movements exactly the same vertical rise, and hence the slopes of the two lines are directly comparable. The ratio charts compare percentage changes, while the arithmetic charts compare absolute changes.

RECORD BOOK

As an aid to readers in comparing present data with monthly statistics in previous years, the department is compiling a RECORD BOOK OF BUSINESS STATISTICS, in which data now carried in the SURVEY OF CURRENT BUSINESS are shown by months as far back as 1909, if available. Full descriptions of the figures and reports of how the data are used in actual practice by business firms are contained in the RECORD BOOK. The sections covering textiles, metals, and fuels, automobiles, and rubber have already been issued and may be obtained for 10 cents per copy from the Superintendent of Documents, Government Printing Office, Washington, D. C. (Do not send stamps.) Notices of other sections will be given in the SURVEY as they are issued.

METHODS OF USE

Methods of using and interpreting current business statistics have been collected by the department 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. (Do not send stamps.)

This issue presents practically complete data for the month of April and contains text covering the early weeks of May (page 1), for which the basic figures in table and chart form are presented regularly in the weekly supplements. As most data covering a particular month's business are not available until from 15 to 30 days after the close of the month, a complete picture of that month's operations can not be presented at an early date, but the weekly supplements give every week the latest data available.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

SURVEY OF CURRENT BUSINESS

PUBLISHED BY

UNITED STATES DEPARTMENT OF COMMERCE

Subscription price of the SURVEY OF CURRENT BUSINESS is $1.50 a year; single copies (monthly), 10 cents, semiannual issue, 25 cents. Foreign subscriptions, $2.25, single copies (monthly issues), including postage, 14 cents; semiannual issues, 36 cents. Subscription price of COMMERCE REPORTS is $4 a year; with the SURVEY, $5.50 a year. Make remittances only to Superintendent of Documents, Washington, D. C., by postal money order, express order, or New York draft. Currency at sender's risk. Postage stamps or foreign money not accepted

No. 106 WASHINGTON June, 1930

CONTENTS

SUMMARIES

	Page
Preliminary summary for May	1
Monthly business indicators:	
Ratio charts	2
Yearly averages, 1923–1929; monthly averages, 1929–1930 (table)	3
Business conditions in April	4
Indexes of business	15

DETAILED TABLES

Sales of the Great Atlantic and Pacific Tea Co	18
Rate of manufacturing operations:	
By divisions	18
By industries	19
Debits to individual accounts at clearing house centers:	
By Federal Reserve districts	20
District totals—seasonal variation eliminated	22

INDEX BY SUBJECTS

	Text page	Table page
Textiles	9	23–24
Metals and metal products	10	25–27
Fuels	11	27, 29
Automobiles and rubber	11	28–30
Hides and leather	11	30
Paper and printing	11	31, 32
Building construction and housing	12	32
Lumber products	12	33, 34
Stone, clay, and glass products	12	34, 35
Chemicals and oils	--	35–37
Foodstuffs and tobacco	13	37–40
Transportation and public utilities	14	40–42
Employment and wages	5	43, 44
Distribution movement (trade, etc.)	14	44, 45
Banking, finance, and insurance	14	45–48
Foreign exchange and trade	14	48

PRELIMINARY SUMMARY FOR MAY

Business in May, as seen from figures covering check payments, for the first four weeks, was lower than the corresponding period of 1929. The distribution of commodities through primary channels as reflected by data on car loadings was also lower than in May a year ago.

Activity in steel plants, though showing slight change from April, was on a lower plane than in May, 1929. The production of bituminous coal, while showing a a slight gain over April, was lower than for the corresponding period last year. Factory employment in Detroit, reflecting the automobile industry, showed an improvement over the previous month, but was substantially lower than a year ago. The output of crude petroleum was slightly larger than during the preceding month but lower than a year ago. The value of new building contracts awarded during May was larger than during the previous month but was 6 per cent less than during May, 1929.

The general index of wholesale prices was lower than for either the previous month or for May, 1929. Prices for wheat declined continuously during the month, except for a slight recovery during the last week and were lower than during the corresponding month of last year. Cotton prices were slightly higher than the previous month but materially below the same period a year ago. The prices for iron and steel showed declines from both the month of April and May, 1929.

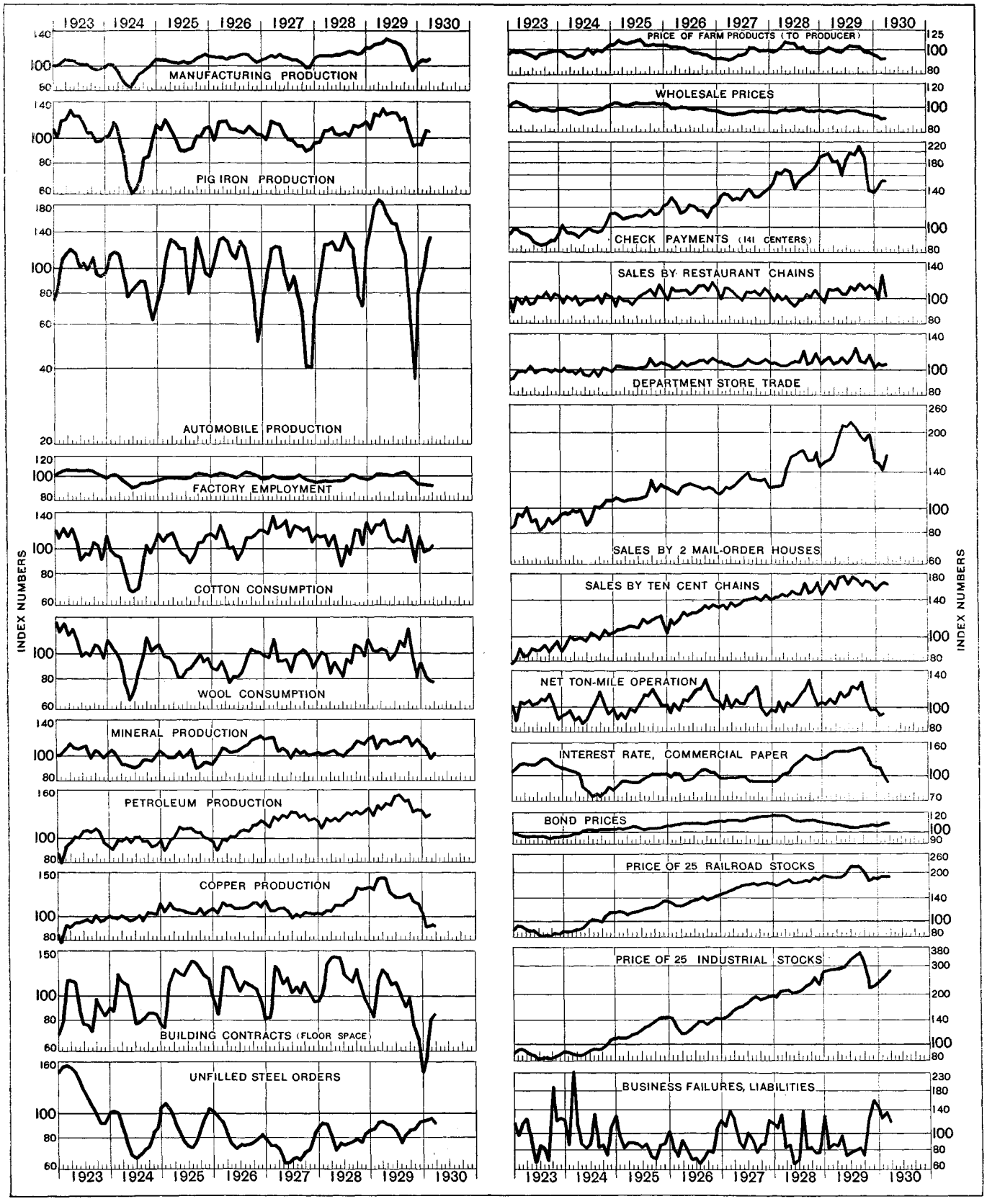
Bank loans and discounts showed little change from the previous month and were slightly larger than a year ago. Interest rates were lower than during either the previous month or the corresponding period a year ago. Brokers loans at the end of May were less than at the end of April or May, a year ago. Prices for stocks averaged lower than during April or May, 1929.

Bond prices were lower than the previous month but showed a gain over the same period of 1929. Business failures were somewhat fewer than in the previous month but more numerous than a year ago. Liabilities of failing firms were smaller than the month of April but higher than a year ago.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

MONTHLY BUSINESS INDICATORS, 1923–1930

[Ratio charts—see explanations on inside front cover. The curves on check payments, wholesale trade, 10-cent chains, and department stores have been adjusted for normal seasonal variations, and manufacturing production for the varying number of working days in the month as well. 1923–1925 monthly average=100]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

MONTHLY BUSINESS INDICATORS

The principal business indicators are shown below, all calculated on a comparable basis, the average for the years 1923 to 1925, inclusive. Thus the table gives a bird's-eye view of the business situation in a concise form, so that trends of the principal indicators may be seen at a glance.

Certain indicators, in which there is a marked seasonal movement, are shown with the average seasonal variations eliminated, as noted below. In this manner a more understanding month-to-month comparison may be made.

ITEM	MONTHLY AVERAGE							1929									1930			
	1923	1924	1925	1926	1927	1928	1929	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.
	1923-1925 monthly average=100																			
Industrial production:																				
* Total manufacturing	101.0	94.0	105.0	108.0	106.0	111.0	119.0	123.0	124.0	128.0	125.0	124.0	122.0	117.0	105.0	96.0	102.0	106.0	105.0	106.0
* Total minerals	105.0	96.0	99.0	107.0	107.0	106.0	115.0	115.0	116.0	112.0	114.0	115.0	118.0	118.0	110.0	116.0	112.0	108.0	96.0	103.0
Pig iron	111.7	86.7	101.5	109.0	101.0	105.5	117.9	122.6	130.5	124.4	126.7	125.7	117.1	120.1	106.5	94.9	94.0	95.0	108.6	106.5
Steel ingots	104.8	88.7	106.4	113.1	104.6	120.2	130.6	142.8	152.5	141.2	139.9	142.5	130.5	130.5	101.6	83.8	109.5	117.7	124.1	119.8
Automobiles	101.7	90.8	107.5	108.4	85.7	109.9	135.1	188.1	182.9	165.1	151.5	150.8	125.8	114.9	65.8	36.3	83.3	105.0	121.4	133.9
Cement	92.1	99.8	108.1	110.0	115.3	118.0	114.1	110.6	129.9	135.2	139.3	149.5	138.6	134.6	113.1	90.2	68.4	65.7	90.3	108.8
Cotton (consumption)	105.9	89.7	104.4	108.5	120.2	106.7	114.6	123.1	130.3	111.1	106.6	108.7	106.3	124.9	106.0	88.4	112.5	96.5	99.1	103.7
Wool (consumption)	112.8	94.6	92.6	86.7	97.0	94.7	103.1	103.8	102.9	93.0	99.8	111.1	105.0	125.3	98.5	79.8	92.1	80.9	78.5	77.7
Raw material output:																				
Animal products	100.0	104.0	96.0	96.0	97.0	99.0	99.2	99.7	108.9	111.8	116.0	100.0	98.7	102.6	95.2	93.0	94.7	83.8	97.6	100.3
Crops	91.9	104.0	104.0	109.0	113.3	117.0	114.2	57.4	51.1	56.3	91.1	134.5	177.1	246.3	154.6	139.2	78.7	62.6	55.6	53.0
Forest products	99.0	97.0	104.0	98.0	93.0	88.2	85.4	90.2	98.6	89.9	88.3	91.8	80.3	89.2	82.0	69.6	63.3	66.5	73.3	81.4
Crude petroleum	99.4	96.9	103.7	104.6	122.3	122.4	136.5	130.5	137.5	135.9	148.8	150.3	142.2	143.5	127.3	130.9	129.4	121.2	126.1	125.7
Bituminous coal	108.0	92.5	99.5	109.7	99.0	95.8	100.5	84.7	92.2	87.4	93.3	100.7	102.2	117.6	104.9	107.5	114.3	90.8	82.1	82.3
Copper	93.4	100.2	103.4	110.2	104.9	114.9	127.1	143.9	141.6	124.9	120.1	119.6	120.4	125.2	115.1	113.4	102.9	89.8	92.8	91.5
Power and construction:																				
Electric power	92.5	98.1	109.5	122.6	133.3	146.0	161.7	157.1	161.2	154.9	159.8	166.6	160.7	173.6	164.4	169.8	172.5	151.9	162.9	158.7
Building contracts (37 States)	89.7	92.7	117.6	111.0	106.8	121.4	99.6	128.0	122.4	109.7	113.7	100.5	90.2	98.9	76.9	66.3	49.6	57.6	81.1	85.3
Unfilled orders:																				
General index	121.7	87.0	91.3	84.6	74.0	76.2	80.8	93.1	88.4	83.4	82.1	76.0	76.8	76.8	73.7	77.7	80.2	79.4	81.7	78.3
U. S. Steel Corporation	125.8	83.6	90.6	82.1	71.1	80.7	87.1	92.7	90.1	89.2	85.6	76.6	81.7	85.6	86.4	92.5	93.6	93.8	95.7	91.2
Stocks:																				
General index	94.5	102.0	103.5	114.6	120.8	123.0	136.8	129.9	122.8	120.2	121.8	127.2	139.2	154.8	156.5	158.0	150.8	147.3	141.8	136.1
Manfd. commodities (28)	93.8	103.2	103.0	106.3	112.5	117.4	120.1	121.5	120.4	121.1	120.3	115.7	113.8	113.9	115.6	118.9	121.5	124.9	125.2	127.6
Cotton	102.5	91.4	106.2	145.5	153.1	123.6	126.8	109.9	88.4	70.9	54.2	58.2	106.8	177.5	199.8	206.4	192.5	177.4	158.3	141.1
Copper (refined)	106.4	113.9	73.1	64.8	85.4	58.4	78.4	50.8	62.2	73.4	86.3	92.2	83.7	78.1	111.7	151.3	179.7	205.9	226.2	266.2
Employment:																				
Factories	104.2	96.2	99.7	101.4	98.8	97.2	100.4	101.8	101.6	101.2	100.7	102.0	103.4	102.1	98.2	94.8	92.9	92.9	92.7	92.1
Prices:																				
Farm products, to producers	97.8	97.1	106.5	98.6	94.9	100.7	100.0	100.0	98.6	97.8	101.4	103.6	102.2	101.4	98.6	97.8	97.1	94.9	91.3	92.0
Wholesale, all commodities	99.9	97.4	102.8	99.3	94.7	97.0	95.8	96.1	95.1	95.7	97.3	97.0	96.8	95.6	93.7	93.5	92.8	91.5	90.2	90.1
Retail food	97.6	97.6	104.9	107.6	103.6	102.9	104.6	101.3	102.4	103.4	105.9	107.0	107.4	107.2	106.7	105.6	103.8	102.2	100.3	102.9
Cost of living (including food)	98.2	99.4	102.4	102.4	100.0	98.7	98.4	97.0	97.0	97.6	98.8	99.4	99.4	99.4	99.3	98.7	97.4	96.8	95.6	96.2
Distribution (values):																				
* Bank debits, 141 cities	91.2	96.7	111.9	119.6	132.5	158.2	184.5	180.6	180.5	159.0	184.8	198.2	192.8	211.1	190.0	139.8	136.7	144.4	153.4	152.1
* Department stores, sales	98.0	99.0	103.0	106.0	107.0	108.0	110.0	105.0	107.0	112.0	106.0	112.0	123.0	109.0	107.0	115.0	102.0	106.0	104.0	106.0
* Mail-order sales, 2 houses	89.3	97.2	111.9	120.6	126.2	147.7	188.6	169.1	194.8	215.1	211.2	223.3	212.1	194.7	186.0	199.9	154.7	149.6	140.7	164.0
* 10-cent chains, sales	88.0	99.0	113.0	125.0	138.0	150.0	164.0	153.0	172.0	174.0	162.0	174.0	168.0	159.0	166.0	165.0	152.0	162.0	164.0	161.0
Postal receipts	93.6	98.5	107.9	114.5	117.3	117.7	121.1	121.1	121.0	109.3	109.1	110.0	114.5	133.5	122.0	153.3	120.9	111.3	121.8	122.3
Imports	97.8	93.1	109.0	114.3	108.0	105.5	113.5	127.1	123.9	109.4	109.6	114.3	108.8	121.1	104.8	96.1	96.3	87.2	93.0	95.4
Exports	91.5	100.8	107.8	105.5	106.8	112.6	115.2	112.2	101.4	103.6	106.2	100.4	115.3	139.6	116.5	112.4	108.3	91.9	97.4	88.0
Transportation:																				
Freight, net ton-miles	102.2	95.9	101.9	109.1	106.0	106.5	109.9	102.7	112.6	109.1	112.5	120.4	118.5	128.1	103.8	96.6	98.3	92.0	94.6	------
Finance:																				
Member bank loans and discounts	94.1	98.5	107.4	112.9	117.3	126.8	135.9	131.3	129.3	135.1	136.2	135.3	139.1	151.1	141.3	140.9	133.1	131.1	135.0	135.4
Interest rate (commercial paper)	116.2	90.0	93.5	100.9	95.4	112.8	135.7	139.2	139.2	139.2	139.2	142.2	145.0	145.0	133.4	116.0	113.2	110.2	98.6	90.0
Federal reserve ratio	99.0	104.1	96.9	96.0	99.1	89.1	93.4	94.9	96.5	94.4	96.4	97.7	94.2	89.9	93.0	90.2	101.4	102.1	103.4	106.9
Price, corporation bonds	96.4	99.9	103.6	108.0	112.5	113.0	106.5	107.6	106.7	105.4	104.9	104.1	103.9	105.2	105.0	107.1	106.8	107.0	109.3	109.2
Price, railroad stocks	86.0	96.1	117.9	133.4	162.7	174.5	194.3	183.7	184.4	192.1	213.4	216.3	217.7	203.5	176.2	181.4	180.6	188.6	188.1	187.6
Price, industrial stocks	86.1	91.9	122.0	132.4	171.4	214.8	292.6	285.8	290.3	297.8	330.8	344.5	358.5	316.3	219.4	229.3	235.5	251.9	262.2	279.2
Failures (liabilities)	106.0	106.8	87.2	80.4	102.2	96.2	95.0	83.2	97.2	74.0	76.5	79.6	80.5	73.9	122.8	159.1	144.3	121.1	134.1	115.7

* Seasonal adjustments

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

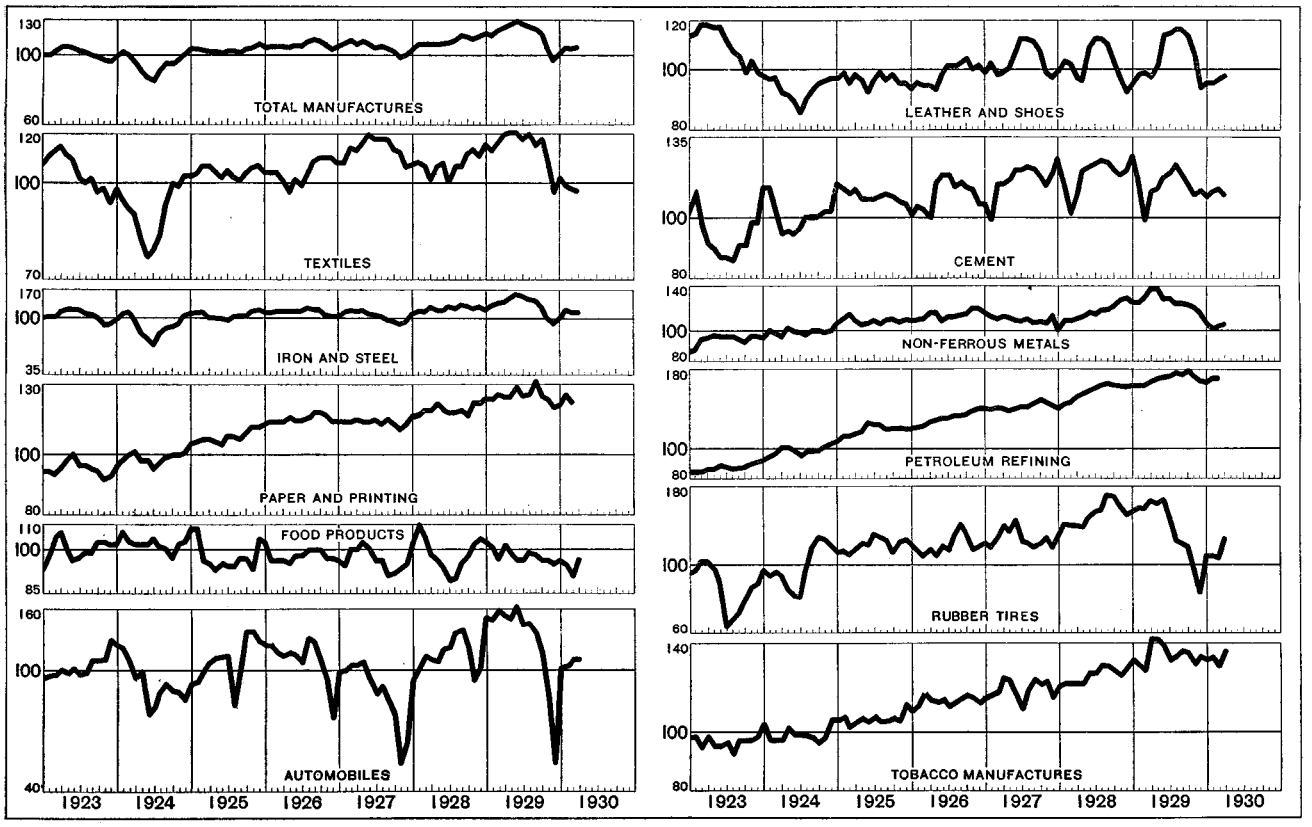
BUSINESS CONDITIONS IN APRIL

PRODUCTION

Manufacturing output in April, according to the weighted index of the Federal Reserve Board using adjustments for seasonal variations, was on a higher level than the previous month but showed a decline from a year ago. Gains in the production of iron and steel, food products, leather and shoes, nonferrous metals, rubber tires, and tobacco products more than offset declines in the production of textiles and cement, while the production of automobiles showed no change. As compared with April, 1929, all the groups except leather and shoes and petroleum refining showed a decline in output. Mineral production, after adjustments for seasonal variations, was higher than in March, but was lower than in the corresponding period, a year ago.

MANUFACTURING PRODUCTION BY MAJOR GROUPS

[Relative numbers, monthly average 1923–1925 taken as 100, adjusted for seasonal variations]



COMMODITY STOCKS

Stocks of commodities held at the end of April, while showing a decline from the month of March, were greater than those held at the end of April, 1929. Stocks of finished goods in the hands of manufacturers showed gains over the preceding month and the same period a year ago.

SALES

The general index of unfilled orders was lower than the preceding month and April a year ago. As compared with the months of March and April, 1929, declines in unfilled orders occurred in textiles, iron and steel, transportation equipment, and lumber. Contrasted with a year ago unfilled orders for transportation equipment showed but slight changes, while other lines registered declines.

WHOLESALE TRADE

Wholesale trade in April was slightly less than during April, 1919, declines occurring in the sales of dry goods and hardware, while the sales of groceries and drugs showed no change. For the period of January 1 to April 30 sales of dry goods, hardware, and drugs were smaller than in the corresponding period a year ago, while those of groceries showed no change. Retail trade in June, as measured by department store sales after adjustments for seasonal variation, were at a higher level than in either the month of March or April, 1929.

IMPORTS AND EXPORTS

Imports of merchandise into the United States during April were greater than in March but considerably less than during the same period in 1929. Exports, however, showed losses when compared with the month of March and the corresponding period in 1929.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

PRICES

The general index of wholesale prices showed only a slight change from the month of March and was 6 per cent lower than April, 1929. Almost all groups included in the index showed declines from a year ago. In comparison with the month of March the following groups registered declines, hides and leather products, textile products, metals and metal products, building materials, and chemicals and drugs. On the other hand, increases were noted in the prices of foods, fuel and lighting materials, and miscellaneous items, while the prices of house-furnishing goods showed no change.

Classified by condition of manufacture, the index showed a decrease of 7 per cent in raw materials, 10 per cent in semimanufactured commodities, 6 per cent in finished products, and 6 per cent in nonagricultural commodities.

Prices paid to farmers during April for their products, as shown in the general index, were higher than during the month of March and 11 per cent below what they were in April, 1929. Compared with a year ago, gains in prices paid for fruits and vegetables were more than offset by declines in each of the other groups. As compared with the month of March, gains were noted in the prices of grains, fruits and vegetables, dairy and poultry products, cotton and cottonseed.

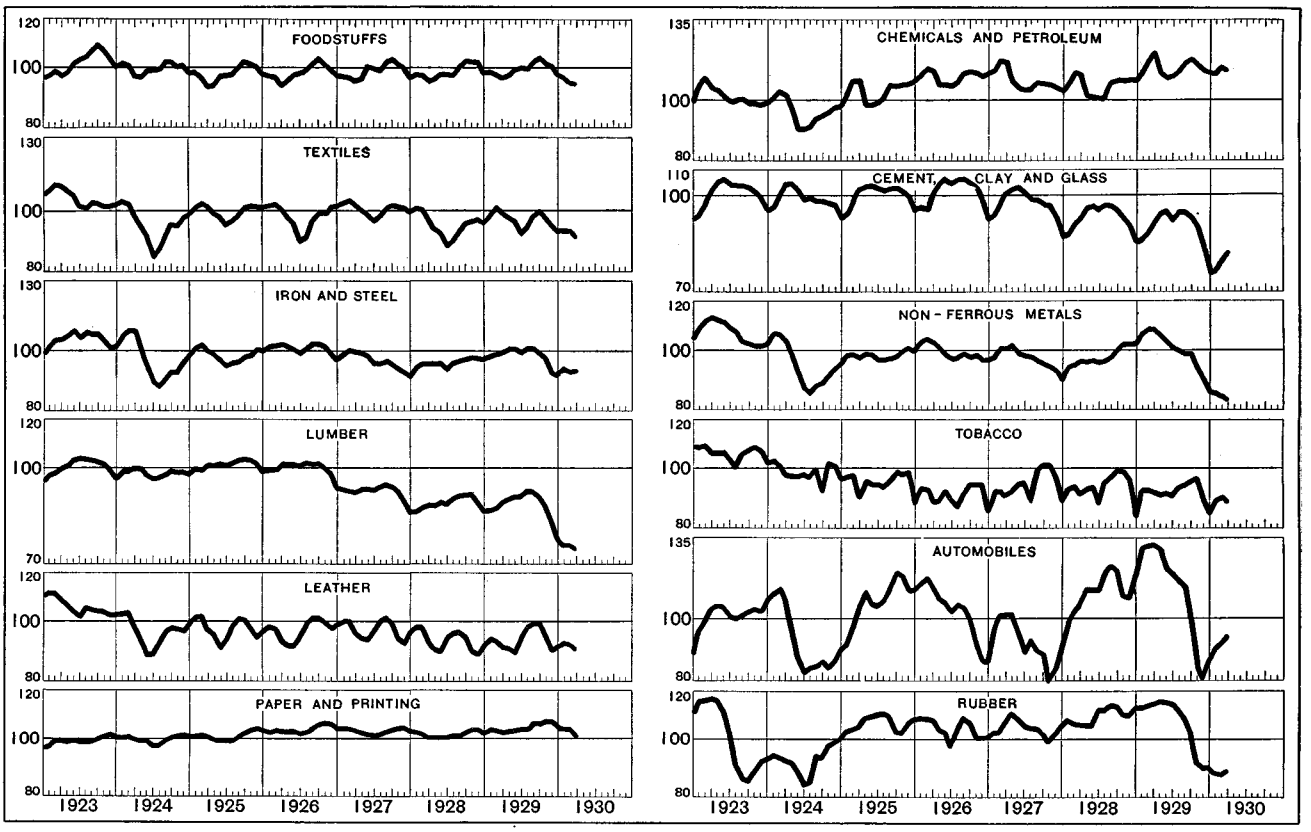
EMPLOYMENT

Factory employment in April, as measured by the Index of Employment compiled by the Federal Reserve Board, was 1 per cent less than the previous month and was 10 per cent lower than in April, 1929. As compared with the previous month, increases in employment in factories producing iron and steel, automobiles, cement, clay and glass, rubber products, more than offset declines in those producing machinery, textiles, foodstuffs, paper and its products, lumber, leather products, nonferrous metals, chemicals, and tobacco products. Compared with April a year ago, all lines showed losses in employment with the exception of the paper and printing groups and petroleum refining, declines occurring in employment in the production of machinery, automobiles, cement, clay and glass, nonferrous metals, and rubber products.

Factory pay rolls in April showed only a slight change from March, but were 13 per cent less than a year ago. Declines from the previous month in wage payments were shown in factories producing machinery, textiles, paper and printing, lumber, leather, nonferrous metals, petroleum and tobacco products, but these were offset by increases recorded in factories producing iron and steel, automobiles, cement, clax and glass, and rubber products.

FACTORY EMPLOYMENT, BY GROUPS

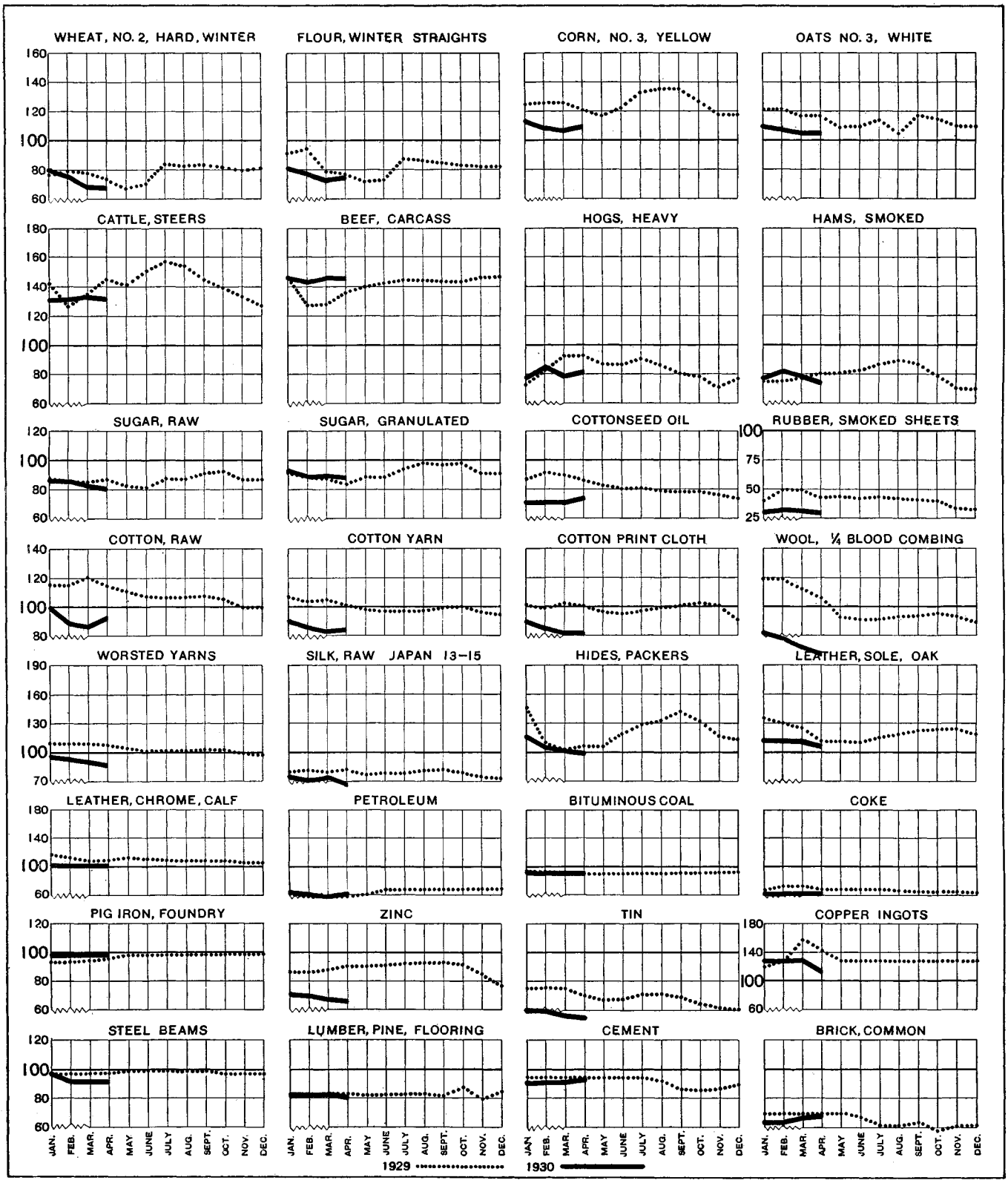
[1926 monthly average=100. April, 1930, is latest month plotted]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

WHOLESALE PRICES FOR SPECIFIED COMMODITIES

[Relative numbers, 1926 monthly average taken as 100. April, 1930, is latest month plotted. Data from which these charts are drawn are given on the opposite page]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

WHOLESALE PRICES FOR SPECIFIED COMMODITIES

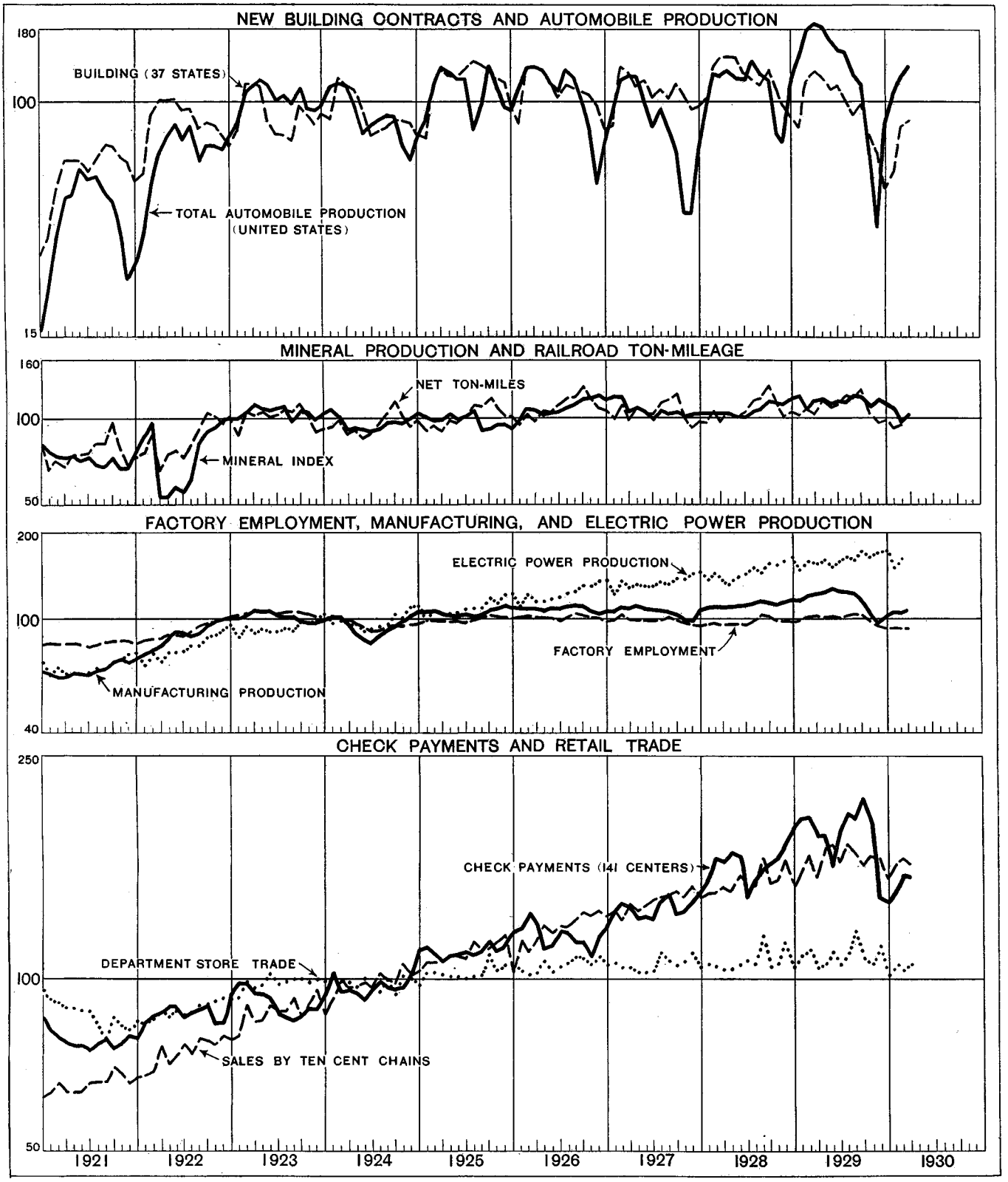
NOTE.—Prices to producer on farm products and market price of wool and grain prices are from *U. S. Department of Agriculture, Bureau of Agriculture Economics*; nonferrous metals from the *Engineering and Mining Journal-Press*, except tin, which is from the *American Metal Market*. All other prices are from *U. S. Department of Labor, Bureau of Labor Statistics*. So far as possible all quotations represent prices to producer or at mill.

COMMODITIES	Unit	ACTUAL PRICE (dollars)			RELATIVE PRICE 1926 average=100				
		March, 1930	April, 1930	April, 1929	February, 1930	March, 1930	April, 1930	March, 1929	April, 1929
FARM PRODUCTS—AVERAGE PRICE TO PRODUCER									
Wheat	Bushel	0.919	0.934	0.998	75	68	69	78	74
Corn	Bushel	.745	.783	.875	111	107	112	127	125
Potatoes	Bushel	1.367	1.461	.553	75	74	79	31	30
Cotton	Pound	.138	.147	.185	98	91	97	125	123
Cottonseed	Ton	28.63	29.74	38.94	106	105	109	145	143
Cattle, beef	Pound	.0877	.0865	.0953	134	136	134	142	148
Hogs	Pound	.0957	.0917	.1020	80	81	78	85	86
Lambs	Pound	.0963	.0902	.1336	90	83	78	113	116
FARM PRODUCTS—MARKET PRICE									
Wheat, No. 1, northern spring (Minneapolis)	Bushel	1.12	1.11	1.20	79	71	70	79	76
Wheat, No. 2, red, winter (St. Louis)	Bushel	1.18	1.17	1.25	79	76	76	87	81
Wheat, No. 2, hard, winter (Kansas City)	Bushel	1.02	1.01	1.10	76	69	68	78	74
Corn, No. 3, yellow (Chicago)	Bushel	.80	.82	.90	109	107	109	125	120
Oats, No. 3, white (Chicago)	Bushel	.43	.43	.48	107	105	105	117	117
Barley, No. 2 (Minneapolis)	Bushel	.55	.56	.65	89	86	88	105	102
Rye, No. 2 (Minneapolis)	Bushel	.66	.68	.89	85	72	74	109	97
Cotton, middling upland (New York)	Pound	.151	.163	.201	90	86	93	121	115
Wool, ¼ blood combing, Ohio and Pennsylvania fleeces (Boston)	Pound	.33	.31	.49	78	72	67	113	107
Cattle, steers, good to choice, corn fed (Chicago)	Cwt	12.800	12.563	13.875	132	134	132	135	146
Hogs, heavy (Chicago)	Cwt	9.825	9.975	11.460	84	80	81	92	93
Sheep, ewes (Chicago)	Cwt	5.135	5.125	9.175	79	78	78	128	139
Sheep, lambs (Chicago)	Cwt	9.730	8.938	16.450	76	71	65	118	120
FOOD									
Flour, standard patents (Minneapolis)	Barrel	6.231	6.090	6.405	76	74	72	79	76
Flour, winter straights (Kansas City)	Barrel	5.260	5.400	5.581	78	73	75	79	77
Sugar, 96° centrifugal (New York)	Pound	.036	.035	.037	86	82	80	85	84
Sugar, granulated, in barrels (New York)	Pound	.049	.048	.048	90	89	88	88	88
Cottonseed oil, prime yellow (New York)	Pound	.084	.087	.102	71	71	74	90	86
Beef, fresh, carcass, good native steers (Chicago)	Pound	.240	.239	.224	144	146	145	129	136
Beef, fresh, carcass, steers (New York)	Pound	.215	.220	.225	130	126	129	127	132
Pork, smoked hams (Chicago)	Pound	243	.229	.248	82	79	74	77	81
Butter, creamery, 92 score (New York)	Pound	.37	.39	.45	80	82	87	107	100
Oleomargarine, standard, uncolored (Chicago)	Pound	.235	.235	.235	103	103	103	103	103
TEXTILES									
Cotton yarns, carded, white, northern, mule spun, 22-1-cones (Boston)	Pound	.297	.302	.363	87	83	84	105	101
Cotton-print cloth 64 x 60-38½"-5.35—yards to pound	Yard	.062	.061	.076	86	82	81	102	100
Cotton sheeting, brown 4/4 Trion (New York)	Yard	.078	.076	.089	85	84	82	96	96
Worsted yarns, 2/32's cross-bred stock, white, in skein (Boston)	Pound	1.300	1.250	1.550	94	91	87	110	108
Women's dress goods, French, 39 inches, at mills, serge	Yard	.926	.900	.975	94	90	87	94	94
Suitings, unfinished worsted—13-ounce, mill	Yard	1.756	1.756	2.008	90	88	88	100	100
Suitings, serge, 11-ounce, 56-58 inch	Yard	1.843	1.843	1.959	90	85	85	90	90
Silk, Japan, 13-15	Pound	4.531	4.186	5.145	72	73	68	81	83
Hosiery, women's pure silk, mill	Dozen pair	8.500	8.500	9.500	78	73	73	82	82
LEATHER									
Hides, green salted, packers' heavy native steers (Chicago)	Pound	.142	.140	.149	106	101	100	103	107
Hides, calfskins, No. 1, country, 8 to 15 pounds (Chicago)	Pound	.156	.159	.187	95	90	91	105	108
Leather, chrome calf, dull or bright "B" grades (Boston)	Square foot	.460	.460	.495	102	102	102	108	109
Leather, sole, oak, scoured backs, heavy (Boston)	Pound	.490	.470	.490	112	112	107	126	112
Boots and shoes, men's black calf, blucher (Massachusetts)	Pair	6.750	6.750	6.750	106	106	106	106	106
Boots and shoes, men's dress welt tan calf oxford (St. Louis)	Pair	4.850	4.850	4.850	100	100	100	100	100
FUEL									
Coal, bituminous, mine-run (composite price)	Net ton	3.911	3.901	3.912	92	91	90	93	91
Coal, bituminous, prepared sizes (composite price)	Net ton	4.292	4.083	4.113	93	90	85	92	86
Coal, anthracite, chestnut (composite price)	Long ton	13.033	12.887	12.654	95	95	94	95	92
Coke, Connellsville (range of prompt and future), furnace—at ovens	Short ton	2.600	2.600	2.810	63	63	63	73	68
Petroleum, crude, Kansas-Oklahoma—at wells	Barrel	1.110	1.163	1.110	63	59	62	59	59
METALS									
Pig iron, foundry No. 2, northern (Pittsburgh)	Long ton	20.260	20.260	19.760	98	98	98	95	96
Pig iron, basic, valley furnace	Long ton	18.500	18.500	17.900	100	100	100	94	97
Steel billets, Bessemer (Pittsburgh)	Long ton	33.000	33.000	34.800	94	94	94	97	99
Copper ingots, electrolytic, early delivery (New York)	Pound	.1778	.1562	.1950	129	129	113	154	141
Brass, sheets, mill	Pound	.233	.218	.244	122	122	115	132	128
Lead, pig, desilverized, for early delivery (New York)	Pound	.0566	.0543	.0719	74	67	65	89	85
Tin, straits (New York)	Pound	.3681	.3607	.4597	59	56	55	75	70
Zinc, slab, western (St. Louis)	Pound	.0493	.0484	.0666	71	67	66	88	91
BUILDING MATERIAL AND MISCELLANEOUS									
Lumber, pine, southern, yellow flooring; mill	M feet	37.200	36.390	37.350	83	83	81	83	83
Brick, common red, domestic building (New York)	Thousand	11.000	11.250	11.500	64	67	68	70	70
Cement, Portland, net without bags to trade, f. o. b. plant (Chicago district)	Barrel	1.617	1.617	1.650	93	93	93	95	95
Steel beams, mill (Pittsburgh)	Cwt	1.800	1.800	1.900	92	92	92	97	97
Rubber, smoked sheets (New York)	Pound	.153	.150	.211	33	32	31	50	44
Sulphuric acid, 66°, (New York)	Ton	15.500	15.500	15.500	107	107	107	107	107
Newsprint, rolls, contract, mill	Cwt	3.250	3.250	3.250	94	94	94	94	94

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

MEASURES OF INDUSTRIAL AND COMMERCIAL ACTIVITY

[Relative numbers, monthly average 1923–1925, taken as 100]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

REVIEW OF PRINCIPAL BRANCHES OF INDUSTRY AND COMMERCE

TEXTILES

Imports of wool during April were smaller than during March and were more than 36 per cent less than during April, 1929. Wool consumption by manufacturers was smaller than during either prior period. Prices for wool and yarns averaged lower than in either the previous month or the same month of last year.

Exports of cotton during April declined seasonably from the previous month and were 22 per cent smaller than a year ago. Consumption of cotton by domestic mills showed an increase of 5 per cent over the month of March, but was 15 per cent less than during April, 1929. Stocks of cotton at mills and public warehouses at the end of April, while less than in March, were substantially greater than a year ago.

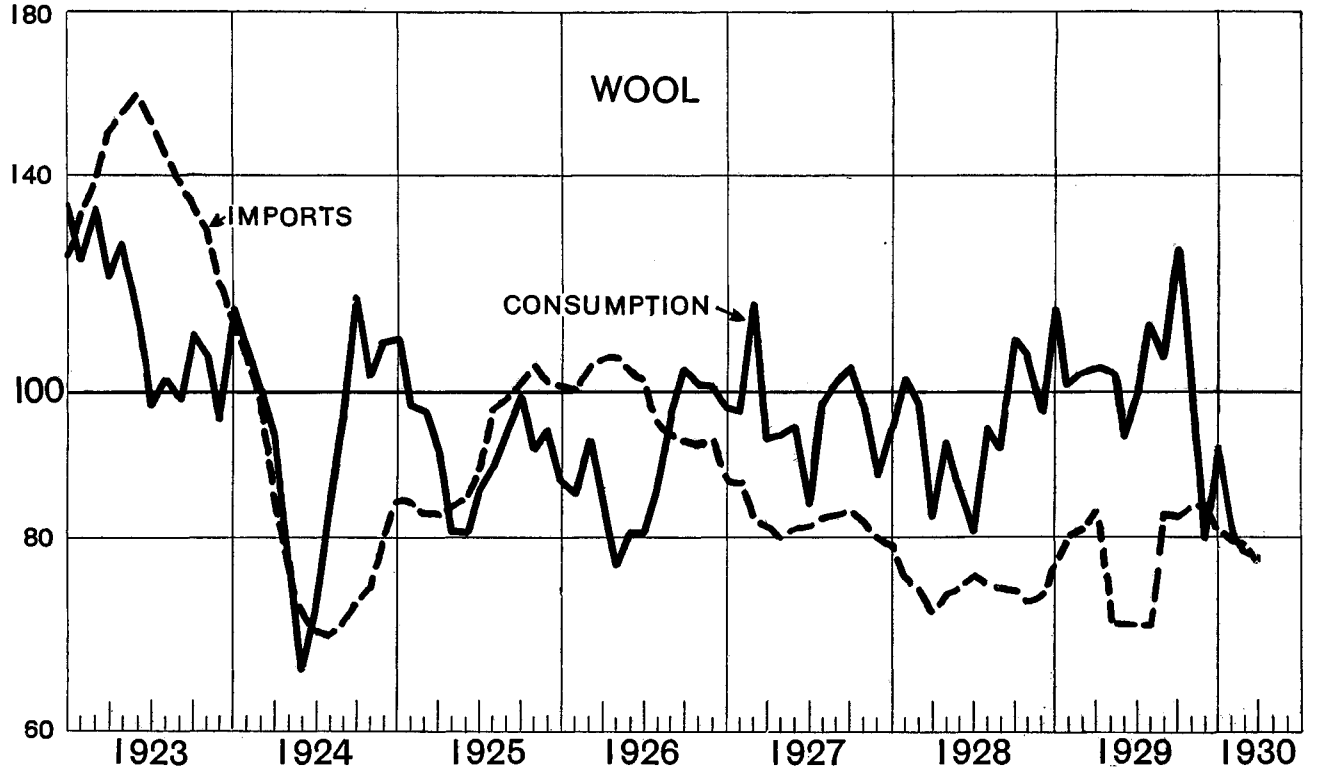
Cotton machinery showed a slight decline in activity when compared with March, and was 6 per cent less active than the month of April, 1929. The production and shipments of cotton textiles were also smaller than during the previous month or the corresponding period of last year. Stocks of cotton textiles at the end of April, on the other hand, were larger than in the month of March and 26 per cent greater than in April a year ago. Cotton finishers reported smaller billings than during March or April a year ago. New orders and shipments likewise showed declines from both periods. Stocks of finished goods in the hands of finishers, on the other hand, showed increases over the previous month and the corresponding month of last year.

Imports of raw silk during April were slightly smaller than during the previous month or the corresponding period of 1929. Silk deliveries to consuming establishments were likewise smaller than during either comparative period. Stocks of silk at warehouses at the end of April were considerably greater than a year ago. The activity of broad and narrow silk looms was less than during March or April, 1929. On the other hand, the activity of silk spindles, while less than during March, was greater than a year ago.

Rayon imports during April declined from March and were 46 per cent less than a year ago. Wholesale prices at New York remained unchanged from March, but were below the level of April, 1929. Shipments of pyroxylin-coated textiles registered a gain over March, but were considerably below April, a year ago.

WOOL CONSUMPTION AND IMPORTS

[Relative numbers, monthly average 1923–1925 taken as 100. Curve covering imports of wool is plotted from 12 months' moving monthly average plotted on the end month]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

METALS

The production of pig iron in April fell off slightly from March and was 13 per cent smaller than in April, 1929. Fewer furnaces were in blast than during March or April last year.

The production of steel ingots declined during April from the previous month and was 16 per cent less than the corresponding period a year ago. Unfilled orders of the United States Steel Corporation showed slight declines from March and April, 1929.

The output of steel sheets by independent mills showed an increase of 19 per cent over the preceding month but registered a decline from a year ago. The ratio of production to capacity likewise showed similar trends. Stocks of sheets in the hands of manufacturers at the end of April were greater than the preceding month or a year ago. Unfilled orders while registering an increase over March declined from the same period of last year. Wholesale prices for steel on the whole showed but slight change from March, but were below the level of April, 1929.

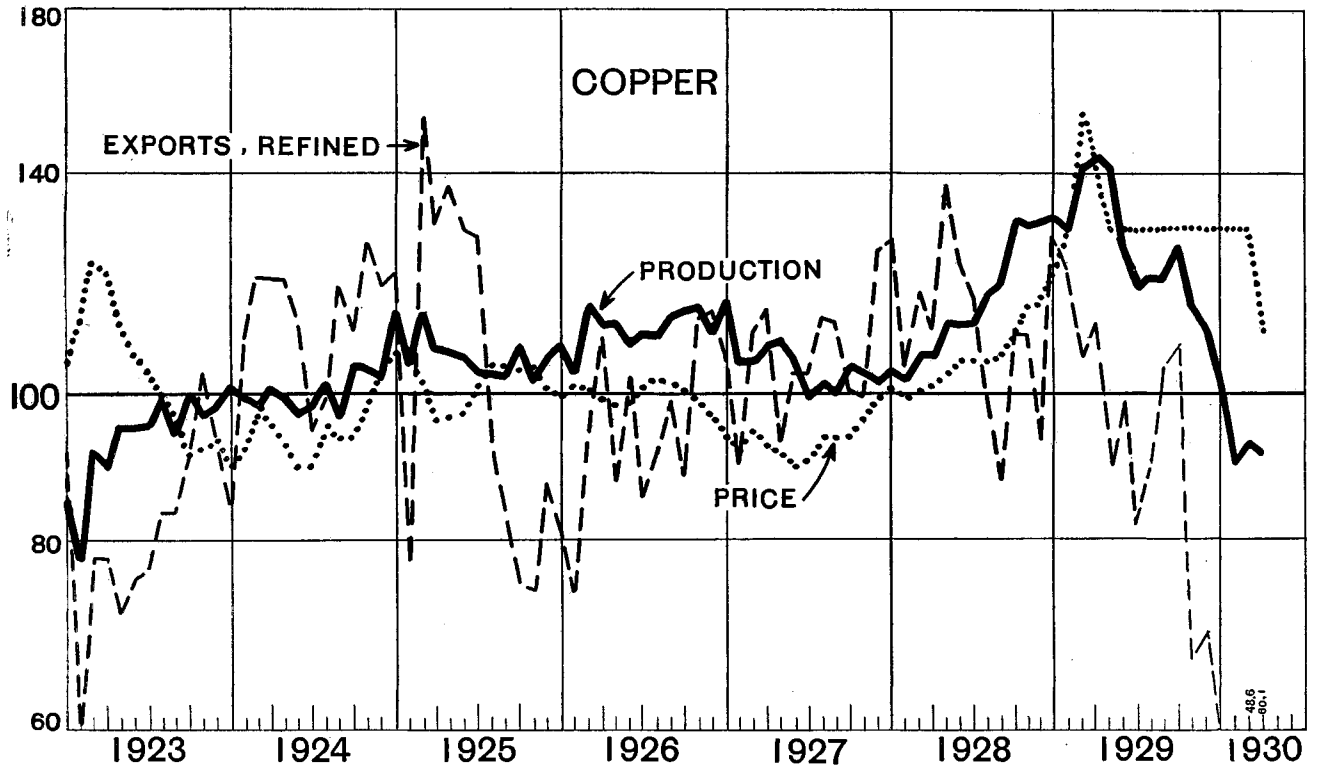
The production of steel castings showed but a slight loss from March and were 9 per cent below the month of April, 1929. Malleable castings output, on the other hand, registered declines from both prior periods. New orders for both steel and malleable castings were lower in April or in March of the preceding year.

New orders for fabricated steel plate were smaller in April than both comparative periods. Production of steel barrels, while less than in March, showed but a slight change when compared with a year ago. New orders for steel boilers registered a gain of 4 per cent over March, but were considerably less than a year ago. Shipments of woodworking machinery were off from March and April, 1929; new orders, while less than the preceding month, were 3 per cent more than in April, last year. Shipments of electric trucks and tractors were less than during either prior period.

The mine production of copper in April showed but a slight decrease when compared with a month ago, but was materially below the corresponding period a year ago. Exports of refined copper in April were 24 per cent greater than in March, but were below the level of April, 1929. Deliveries of tin showed declines from both March of this year and April of last year. April production of both lead and zinc was less than that of both prior periods.

COPPER PRODUCTION, EXPORTS, AND STOCKS

[Relative numbers, monthly average 1923-1925=100. April, 1930, is latest month plotted]



Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

FUELS

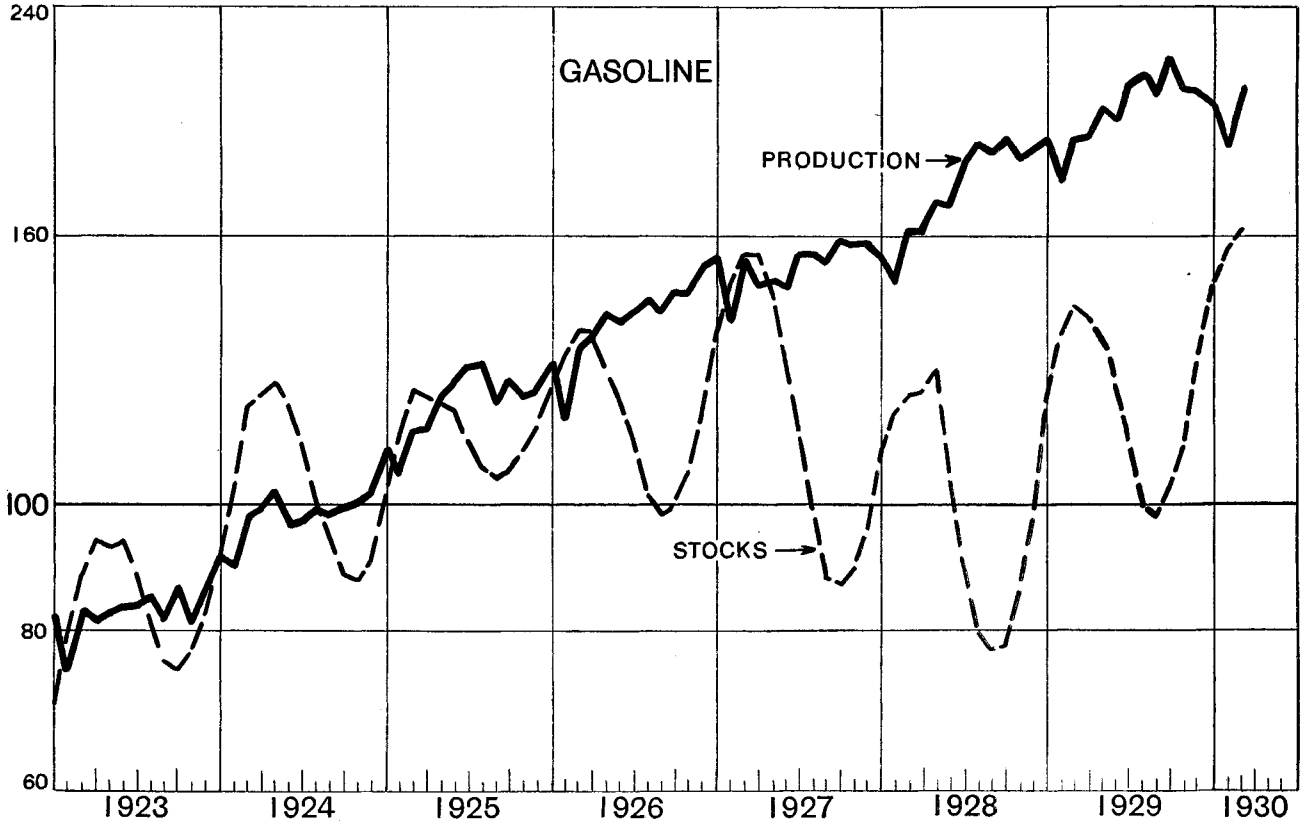
The output of bituminous coal increased seasonally over March and was 4 per cent less than in April, 1929. Anthracite coal production, on the other hand, while registering an increase of 8 per cent over the preceding month, also declined from the corresponding period a year ago. Average coal prices showed but slight change when compared with the preceding month, but were less than in April, 1929. The production of coke in April was less than during the previous month or April a year ago. The price of coke at Connellsville, while showing no change from the preceding month, was 7 per cent below the level of a year ago.

HIDES AND LEATHER

Imports of hides and skins during April were greater than during the month of March and a year ago. Production of sole leather also was greater than for either previous periods. Exports of sole and upper leather showed declines when compared with the preceding month and with April, 1929. Wholesale prices of hides and leather were generally smaller than either comparative period. Production of shoes, reflecting the changes in style, was greater than in March and slightly less than April, 1929. The exports of shoes declined seasonally from both periods. Shoe prices during April remained unchanged from the month of March and April of last year.

PRODUCTION AND STOCKS OF GASOLINE

[Relative numbers, monthly average 1923-1925 taken as 100. March, 1930, is latest month plotted]



AUTOMOBILES AND RUBBER

The production of automobiles, including passenger cars, trucks, and taxicabs, showed an increase of 10 per cent over the previous month, but was 29 per cent below the level of April, 1929. The Canadian output registered similar trends in comparison with both periods, the percentage declined from last year's level being greater than in the United States. The production of tires and tubes in April, following the trend of increased automobile production, showed a gain over the month of March, but declined from a year ago.

PAPER AND PRINTING

Imports in most cases during April were less than during March, and in every instance below the level of the corresponding period of last year. The domestic production of newsprint showed a decline from March, a year ago. The Canadian production, on the other hand, showed increases over both periods. Stocks of newsprint at the end of April were slightly larger than at the end of the previous month, but were smaller than a year ago. Stocks in Canada, however, exceeded those at either prior period. Publishers' stocks, while smaller than at the end of the preceding month, were 19 per cent greater than a year ago.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

BUILDING AND CONSTRUCTION

Building costs on the whole showed but slight change from the preceding month, but were generally lower than a year ago. The value of new-building contracts awarded in April, while greater than the month of March, registered a decline as compared with April, 1929. April contracts awarded in Canada registered large gains over both this March and April last year. Fire losses in the United States were slightly greater than during the preceding month and April, 1929. Losses by fire in Canada, while less than the month of March, exceeded those of a year ago.

New orders for fabricated-structural steel were fewer than the preceding month or April a year ago. Shipments, on the other hand, showed increases over both periods.

STONE, CLAY, AND GLASS

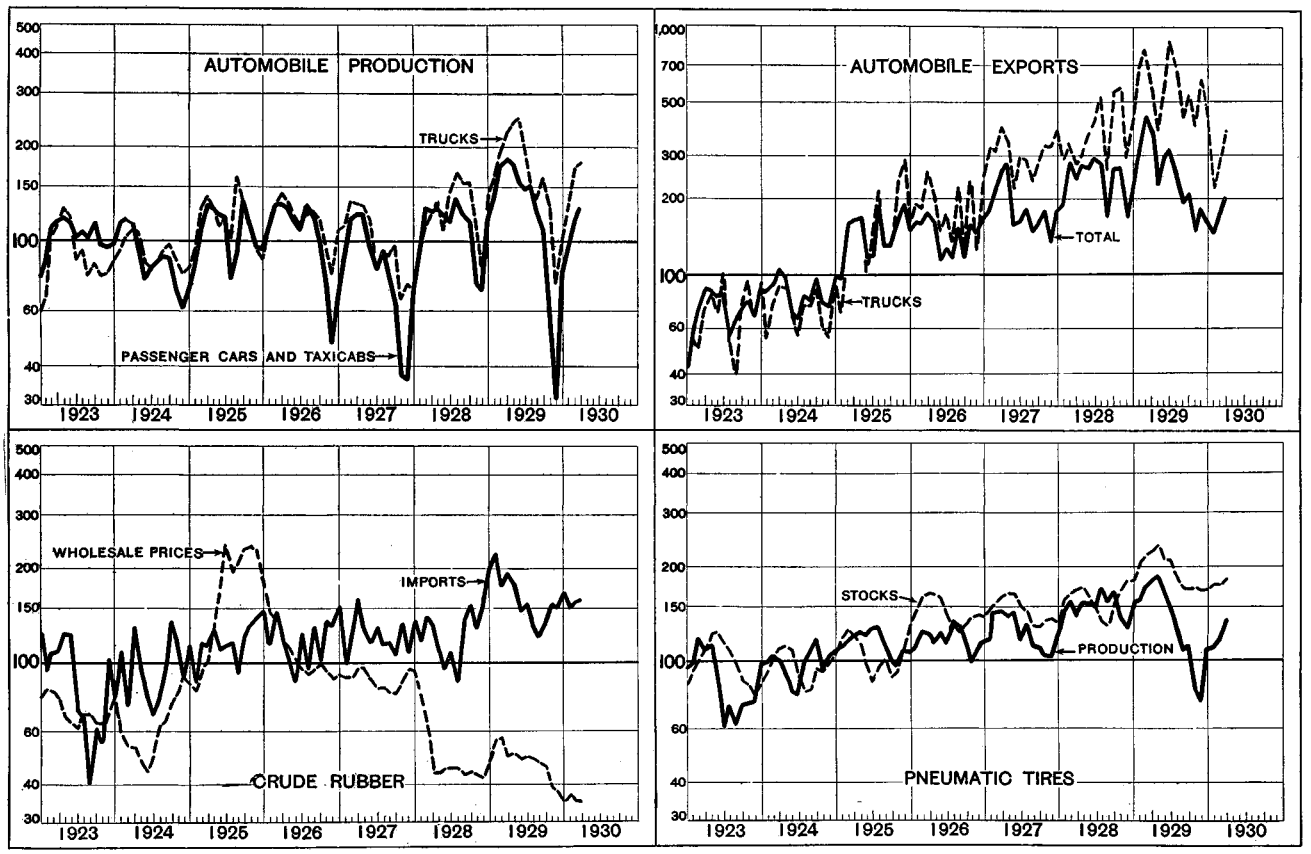
The production of cement showed an increase of 21 per cent over the output for March, but was slightly less than a year ago. Shipments during April showed gains over both comparative periods. Stocks of clinker held at the end of April, while greater than those held at the end of March, showed a decline from the same period a year ago. Shipments of common brick were substantially larger than the previous month, but materially lower than a year ago. Prices for brick at New York showed a slight gain over March, but were lower than a year ago. The output of polished plate glass, in keeping with the gains of other items of building equipment, registered an increase over March, but was lower than a year ago.

Shipments of prepared roofing likewise recorded an increase over the preceding month, but declined from last year.

Shipments and new orders for wooden furniture during April showed declines from the preceding month and the corresponding period a year ago. Steel furniture likewise showed similar declines.

THE AUTOMOBILE AND RUBBER INDUSTRIES

[Relative numbers, monthly average 1923-1925 taken as 100. Where available, April, 1930, is latest month plotted]



LUMBER AND BUILDING EQUIPMENT

The production of lumber was generally larger during April, but was less than the corresponding period in 1929. Marked increases over March were noted in the output of California redwood, California white and sugar pine, Northern pine and Walnut lumber. Shipments also were greater than during the month of March. Stocks held at the end of March, reflecting increased production, showed a marked gain in the case of California white pine, being greater than those held at the end of March and the same month of last year.

The output of maple flooring was 6 per cent greater than during the previous month, but was slightly less than the production during April, 1929.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

FOODSTUFFS AND TOBACCO

The visible supply of wheat both in the United States and Canada declined seasonally from the preceding month and was much greater than a year ago. The shipments of wheat at principal markets during April showed an increase over the preceding month and April, 1929. Exports of wheat from the United States were substantially larger than in March, but were lower than a year ago. Wheat prices at various centers on the whole showed slight change from the preceding month, but were lower than last year.

The visible supply of corn registered declines from both the preceding month and the same period a year ago. Receipts and shipments of corn showed increases over the preceding month and April of last year. The receipts of barley at principal centers declined seasonally from the month of March.

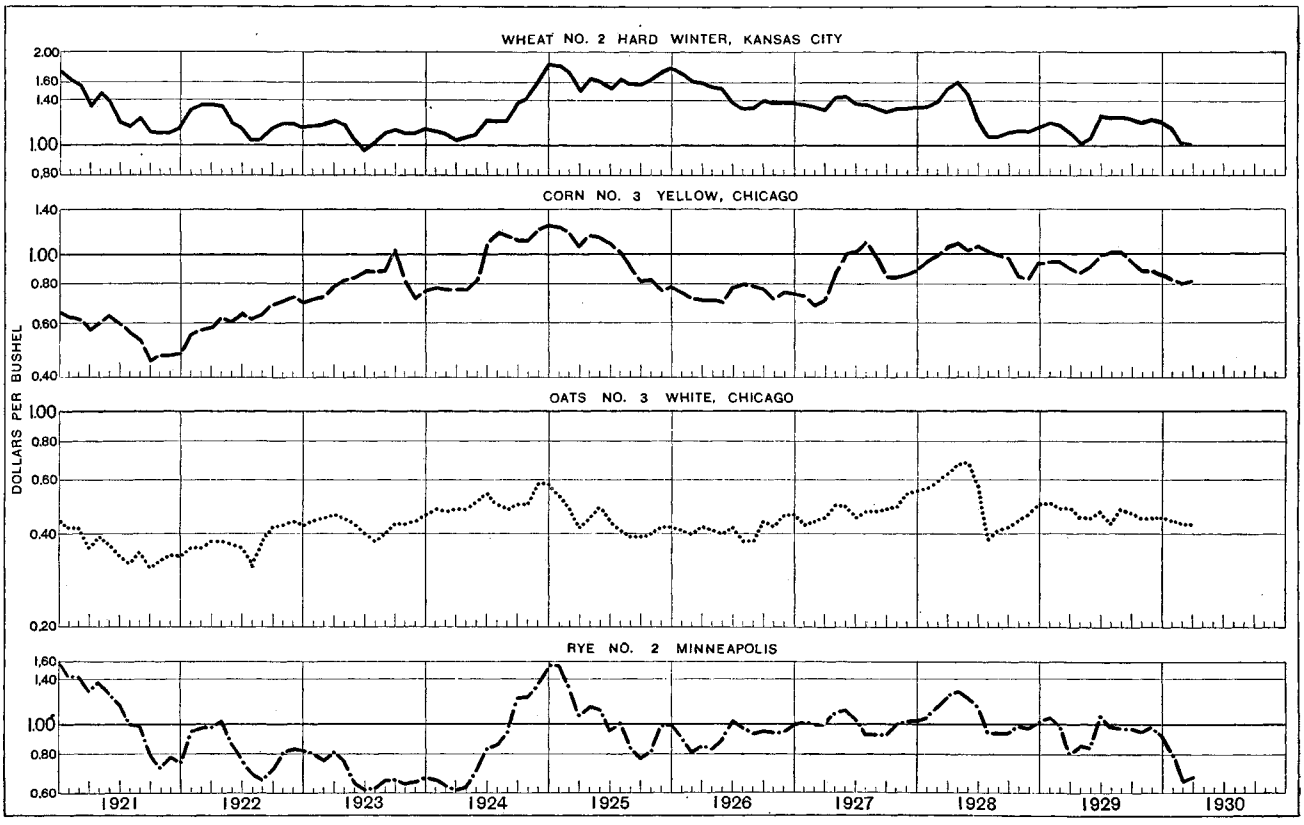
Receipts and shipments of cattle during April at primary markets, while greater than during March, declined from a year ago. Hog receipts and shipments declined seasonally. Storage holdings of pork products were 26 per cent lower than a year ago. Wholesale prices for pork averaged lower in April than in the preceding month or April, 1929. Receipts of poultry at five principal markets registered gains over the preceding month and April a year ago. Storage holdings showed a decline.

Butter production in April was 16 per cent greater than March, cold storage holdings, however, showed a decline from the preceding period. Wholesale prices of 92 score butter at New York showed an increase of 5 per cent over the price that ruled in March.

Receipts of all types of cheese at principal markets during April were 6 per cent greater than a year ago, while storage holdings showed a slight decline. Imports of sugar, while showing a gain over March, were less than the previous year. For the first four months of the year imports of sugar from Hawaii and Porto Rico registered a gain of 35 per cent over the same period of 1929. Stocks of sugar held at refineries showed large gains over March, but fell off from the level of April, 1929.

MOVEMENT OF GRAIN PRICES

[Weighted price per bushel. April, 1930, is latest month plotted]



Imports of coffee, while less than the preceding month, were 8 per cent greater than a year ago. Wholesale prices for coffee showed declines from the preceding month and April, 1929. Tea imports during April, while less than in March, were 7 per cent greater than April, last year. The wholesale price of tea at New York declined 9 per cent from last year.

The consumption of cigarettes during April, while showing a gain of 4 per cent over March, was slightly less than the same period a year ago. The consumption of large cigars, however, showed a decline from a year ago. For the first four months of the year cigarette consumption was 2 per cent greater and large cigar consumption 7 per cent less than in the same period a year ago.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TRANSPORTATION

Freight-car loadings in April showed a decline from the previous month and the corresponding period a year ago. For the first four months of the year total loadings were 7 per cent less than what they were during the corresponding period a year ago. Clearances of vessels engaged in foreign trade showed a marked gain for the first four months of the year over the corresponding period a year ago. Traffic on inland rivers was uniformly larger than in March and, except on the Allegheny River, was smaller than a year ago. New orders for locomotives and freight cars were fewer than for each prior period.

DISTRIBUTION

Sales by mail-order houses showed a substantial gain over the preceding month and were greater than a year ago. For the first four months of this year the sales of the houses showed but slight difference from a year ago. The volume of business transacted by leading 10-cent chains was 10 per cent greater than during March and 11 per cent over April, 1929. For the year to date the increase in sales was 2 per cent over the same period a year ago. Magazine advertising as measured in lineage showed a gain of 5 per cent over March, but registered a slight loss when compared with April, 1929. Newspaper advertising also increased over the preceding month, while the amount of advertising by radio declined. Postal receipts in principal cities showed a gain over the month of April of last year.

BANKING AND FINANCE

Bank loans and discounts at the end of April, while showing but a slight change from the end of March, were 3 per cent over a year ago. The Federal reserve ratio registered gains over both prior periods. Interest rates were generally lower than in the month of March and the corresponding period a year ago.

Dividend and interest payments paid during April showed a marked gain of 22 per cent over the month of March and 10 per cent over a year ago, while for the first four months of the year a gain of 16 per cent was registered. Prices for industrial stocks showed a gain of 7 per cent over March, but were lower than a year ago. Bond prices were generally lower than in the preceding month but were higher than a year ago.

New sales of ordinary life insurance showed a seasonal decline from March but were 6 per cent greater than a year ago.

GOLD, SILVER, AND FOREIGN EXCHANGE

Receipts of domestic gold at the mint during April were greater than during March or the corresponding month a year ago. The Rand production of gold fell off from the month of March and April, 1929. Gold imports of bullion and coin showed marked gains over both prior periods.

Silver production in the United States registered declines from the preceding month and the corresponding period of 1929. Silver imports and exports, contrary to the movement of gold, showed declines from both comparative periods. The price of silver at New York, although increasing over the month of March, was 24 per cent below the level of last year.

Rates for foreign exchange in April were generally the same as in preceding month and in the corresponding period a year ago, the only exception being in the rates with Belgium, the Netherlands, Japan, Canada, Argentina, and Chile, which showed slight increases over March. As compared with a year ago, rates with England, Belgium, the Netherlands, Sweden, Switzerland, Japan and Canada, showed increases, while rates with Argentina and Brazil declined. Rates of exchange with France and Italy remained unchanged from the month of March and April, 1929.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

INDEXES OF BUSINESS

The index numbers presented in this table are designed to show the trend in production, prices, trade, etc., by commodities or groups. They consist in general of weighted combinations of series of individual relative numbers; often the individual relative numbers are also given. The function of index and relative numbers is explained on the inside front cover. All of the index numbers, except where noted, are based on the average of the years 1923 to 1925, while maxima and minima are given only since 1923, thus eliminating the abnormal period prior to 1923. Complete descriptions and figures for earlier years may be found in the following issues of the Survey (later data being available in the latest semiannual issues): Production in the July, 1928, issue (No. 83), pages 18 to 22; stocks in the August, 1928, issue (No. 84), pages 20 to 22; new orders in the September, 1928, issue (No. 85), page 19; unfilled orders in the January, 1928, issue (No. 77), pages 22 and 23; wholesale trade in the January, 1928, issue (No. 77), page 21; mail-order and chain stores in the May, 1928, issue (No. 81), pages 20 and 21; department stores in the April, 1928, issue (No. 80), pages 20 and 21; employment, based on 1923 as 100, in the August, 1928, issue (No. 84), page 108; farm prices in the August, 1928, issue (No. 84), page 27; wholesale prices (Department of Labor) in the November, 1927, issue (No. 75), page 24, and the June, 1928, issue (No. 82), page 23; wholesale prices, commercial, in the August, 1928, issue (No. 84), page 26; cost of living in the August, 1928, issue (No. 84), page 27, and the June, 1926, issue (No. 58), page 24.

Relative to 1923-1925 monthly average as 100	Maximum since Jan. 1, 1923	Minimum since Jan. 1, 1923	1929			1930			Per cent increase (+) or decrease (−)	
			February	March	April	February	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929
PRODUCTION										
TOTAL INDUSTRIAL										
Unadjusted, except for working days	**125**	**81**	**120**	**121**	**123**	**109**	**106**	**107**	**+0.9**	**−13.0**
Adjusted for seasonal variations	**123**	**83**	**117**	**118**	**122**	**107**	**104**	**106**	**+1.9**	**−13.1**
MANUFACTURING										
Total (adjusted for working days only)	**127**	**79**	**120**	**125**	**127**	**110**	**109**	**109**	**+0.0**	**−14.2**
Total (adjusted for seasonal variations)	**128**	**82**	**116**	**120**	**123**	**106**	**105**	**106**	**+1.0**	**−13.8**
Iron and steel	155	59	126	132	135	118	112	114	+1.8	−15.5
Textiles	121	77	113	116	120	99	98	97	−1.0	−19.2
Food products	110	90	101	96	102	94	90	97	+7.8	−4.9
Paper and printing	128	91	123	125	124	125	121	124	+2.5	0.0
Lumber	110	78	78	83	86	------	------	------	------	------
Automobiles	166	47	148	159	153	103	109	109	0.0	−28.8
Leather and shoes	134	86	98	99	97	95	97	98	+1.0	+1.0
Cement	99	126	115	99	110	110	111	108	−2.7	−5.3
Nonferrous metals	137	87	123	129	137	101	104	105	+1.0	−23.4
Petroleum refining	178	84	160	160	165	168	168	169	+0.6	+2.4
Rubber tires	169	66	152	152	161	107	105	122	+16.2	−24.2
Tobacco manufactures	143	93	129	126	142	133	128	136	+6.2	−4.2
MINERALS										
Total (adjusted for working days only)	**128**	**84**	**116**	**101**	**103**	**104**	**91**	**92**	**+1.1**	**−10.7**
Total (adjusted for seasonal variations)	**120**	**90**	**120**	**107**	**115**	**108**	**96**	**103**	**+7.3**	**−10.4**
Bituminous coal	125	77	110	90	100	91	81	97	+19.8	−3.0
Anthracite coal	133	1	110	77	95	102	69	73	+5.8	−23.2
Crude petroleum	147	88	137	133	132	135	125	125	0.0	−5.3
Iron-ore shipments	143	0	------	------	------	------	------	------	------	------
Copper	139	82	136	135	141	95	88	90	+2.3	−36.2
Zinc	127	93	106	112	116	99	96	91	−5.2	−21.6
Lead	125	75	99	112	122	105	108	------	------	------
Silver	123	85	91	93	103	90	93	------	------	------
ANIMAL PRODUCTS (Marketings)										
Total	124	**79**	**80**	**88**	**100**	**84**	**98**	**101**	**+3.1**	**+1.0**
Wool	421	14	14	43	49	38	42	64	+52.4	+30.6
Livestock	131	76	78	77	87	81	81	83	+2.5	−4.6
Poultry and eggs	148	67	67	106	141	85	117	144	+23.1	+2.1
Dairy products	160	64	88	98	103	87	100	107	+7.0	+3.9
Fish	283	44	138	156	164	155	187	207	+10.7	+26.2
CROPS (Marketings)										
Total	252	**45**	**82**	**73**	**57**	**63**	**56**	**53**	**−5.4**	**−7.1**
Grains *	218	38	95	80	59	81	62	59	−4.8	0.0
Vegetables *	199	60	96	102	104	93	103	95	−7.8	−8.7
Fruits *	266	43	69	67	86	55	53	56	+6.7	−33.3
Cotton products *	373	11	55	62	46	41	42	39	−7.1	−15.2
Miscellaneous crops *	344	18	136	68	33	66	43	44	+2.3	+33.3

* Fluctuations between maximum and minimum due largely to seasonal conditions: Minerals and Manufacturing are adjusted for seasonal variations except where noted.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

INDEXES OF BUSINESS—Continued

Relative to 1923-1925 monthly average as 100	Maximum since Jan. 1, 1923	Minimum since Jan. 1, 1923	1929			1930			Per cent increase (+) or decrease (−)	
			February	March	April	February	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929
PRODUCTION—Continued										
FOREST PRODUCTS										
Total	**112**	**62**	**75**	**86**	**92**	**67**	**74**	**79**	**+6.8**	**−14.1**
Lumber	112	59	75	85	87	63	68	73	+7.4	−14.1
Pulpwood	151	54	93	108	127	107	127	136	+12.6	+12.6
Gum (rosin and turpentine)*	204	18	26	37	115	27	41	101	+146.1	−12.2
Distilled wood	148	65	99	106	106	86	96	88	−8.3	−17.0
NEW ORDERS										
Total	**138**	**72**	**98**	**115**	**102**	**71**	**71**	**67**	**−5.6**	**−34.6**
Textiles	179	70	99	111	107	75	76	75	−1.3	−29.9
Iron and steel	143	71	132	158	147	103	113	106	−6.2	−27.9
Lumber	141	50	78	97	84	44	52	50	−3.8	40.5
Paper and printing	118	85	113	128	117	109	109	108	−0.9	−7.7
Stone and clay products	129	73	93	95	101	68	71	80	+12.7	−20.8
STOCKS										
Grand total	**158**	**82**	**138**	**134**	**130**	**148**	**140**	**135**	**−3.6**	**+3.8**
Total manufactured goods	**125**	**88**	**127**	**124**	**122**	**125**	**124**	**126**	**+1.6**	**+2.3**
Foodstuffs	136	79	111	108	109	110	104	104	0.0	−4.6
Textiles	138	78	127	123	120	120	120	136	+13.3	+13.3
Iron and steel	158	78	150	157	147	158	147	152	+3.4	+3.4
Nonferrous metals	181	74	117	114	114	181	185	189	+2.2	+65.8
Lumber	125	78	112	105	102	117	114	111	−2.6	+8.8
Stone, clay, etc	192	64	185	181	182	187	188	187	−0.5	+2.7
Leather	123	66	73	72	72	75	76	75	−1.3	+4.2
Rubber	199	77	178	186	191	148	149	156	+4.7	−18.3
Paper	156	46	136	117	104	79	92	94	+2.2	−9.6
Chemicals and oils	137	84	130	132	129	140	141	148	+5.0	+14.7
Total raw materials	**186**	**69**	**145**	**141**	**136**	**164**	**152**	**142**	**−6.6**	**+4.4**
Foodstuffs	230	68	172	181	187	196	186	175	−5.9	−6.4
Textiles	204	43	143	128	108	173	154	139	−9.7	+28.7
Metals	136	54	83	66	68	94	83	92	+10.8	+35.3
Chemicals and oils	153	73	114	105	99	111	104	100	−3.8	+1.0
UNFILLED ORDERS										
Total	**167**	**67**	**80**	**86**	**93**	**79**	**82**	**73**	**−11.0**	**−21.5**
Textiles	154	52	81	82	84	54	50	47	−6.0	−44.0
Iron and steel	157	66	87	93	92	89	93	87	−12.4	−5.4
Transportation equipment	204	49	74	81	104	107	107	103	−3.7	−1.0
Lumber	142	56	73	82	102	72	78	86	+10.3	−15.7
RETAIL TRADE										
Mail-order houses (2 houses)	275	68	142	163	170	143	146	173	+18.5	+1.8
CHAIN STORES:										
Ten-cent	308	62	122	156	142	126	144	159	+10.4	+12.0
Restaurant	116	87	97	109	107	100	110	108	−1.8	+0.9
DEPARTMENT STORES:										
Sales	189	71	86	110	104	83	95	112	+17.9	+7.7
Stocks	117	83	95	102	103	93	100	100	0.0	−2.9
COST OF LIVING										
National Industrial Conference Board Indexes (Relative to July, 1914)										
All items weighted	**172**	**158**	**161**	**160**	**159**	**159**	**157**	**158**	**+0.6**	**−0.6**
Food (Department of Labor)	167	141	154	153	152	153	150	151	+0.7	−0.7
Shelter	186	158	159	159	160	158	158	157	−0.6	−1.9
Clothing	177	160	170	166	168	164	163	162	−0.6	−3.6
Fuel and light (combined)	179	156	162	162	160	162	162	161	−0.6	+0.6
Fuel	208	174	184	184	180	183	183	182	−0.5	+1.1
Light	123	118	120	120	120	121	121	121	0.0	+0.8
Sundries	176	168	170	170	170	168	167	167	0.0	−1.8

* Fluctuations between maximum and minimum due largely to seasonal conditions

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

INDEXES OF BUSINESS—Continued

Relative to monthly average indicated	Maximum since Jan. 1, 1923	Minimum since Jan. 1, 1923	1929			1930			PER CENT INCREASE (+) OR DECREASE (−)	
			February	March	April	February	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929
EMPLOYMENT										
(Relative to 1923–1925 monthly average as 100)										
Number employed, by industries:										
Total, all classes	**106**	**91**	**100**	**101**	**102**	**93**	**93**	**92**	**−1.1**	**−9.8**
Iron and steel	108	88	98	99	100	94	93	93	0.0	−7.0
Machinery	122	88	110	114	117	109	109	107	−1.8	−8.5
Textiles	111	84	98	101	99	93	93	90	−3.2	−9.1
Food products	109	93	99	98	96	97	95	94	−1.1	−2.1
Paper and printing	107	96	103	103	103	104	104	103	−1.0	0.0
Lumber and products	104	74	86	87	88	75	75	74	−1.3	−15.9
Transportation equipment—										
Group	110	81	99	101	102	84	83	84	+1.2	−17.6
Automobiles	131	79	130	131	131	90	91	94	+3.3	−28.2
Leather and products	112	88	94	93	91	992	92	90	−2.2	−1.1
Cement, clay and glass	107	75	85	87	91	75	78	81	+3.8	−11.0
Nonferrous metals	113	83	106	108	108	85	84	83	−1.2	−23.1
Chemicals—										
Group	119	90	111	116	119	110	113	112	−0.9	−5.9
Petroleum refining	125	95	107	109	112	121	119	116	−2.5	+3.6
Rubber products	117	84	112	113	114	88	87	89	+2.3	−21.9
Tobacco products	109	84	92	92	91	89	90	88	−2.2	−3.3
Amount of pay roll by industries:										
Total all classes	**112**	**85**	**108**	**111**	**111**	**97**	**98**	**97**	**−1.0**	**−12.6**
Iron and steel	114	77	107	109	111	98	97	98	+1.0	−11.7
Machinery	132	83	121	127	130	115	115	113	−1.7	−13.1
Textiles	111	77	104	109	103	94	97	89	−8.2	−13.6
Food products	109	94	103	101	100	102	100	100	0.0	0.0
Paper and printing	118	92	113	115	113	115	115	114	−0.9	+0.9
Lumber and products	107	73	87	88	91	73	75	74	−1.3	−18.7
Transportation equipment—										
Group	117	80	111	114	117	90	91	92	+1.1	−21.4
Automobiles	152	66	147	148	152	93	97	101	+4.1	−33.6
Leather and products	116	80	95	91	88	86	85	82	−3.5	−6.8
Cement, clay, and glass	108	67	81	85	89	70	73	77	+5.5	−13.5
Nonferrous metals	128	81	124	128	127	92	91	88	−3.3	−30.7
Chemicals—										
Group	118	90	111	114	118	110	112	111	−0.9	−5.9
Petroleum refining	129	90	110	112	117	125	123	122	−0.8	+4.3
Rubber products	150	82	123	124	124	92	90	95	+5.6	−23.4
Tobacco products	111	76	82	84	86	80	81	77	−4.9	−10.5
WHOLESALE PRICES										
Department of Labor Indexes										
(Relative to 1926 monthly average as 100)										
All commodities	**105**	**91**	**97**	**98**	**97**	**92**	**91**	**91**	**0.0**	**−6.2**
Farm products	114	94	105	107	105	98	95	96	+1.1	−8.6
Food, etc	107	85	98	98	98	96	94	95	+1.1	−3.1
Hides and leather products	127	98	109	108	108	104	103	103	0.0	−4.6
Textile products	114	86	96	96	96	88	87	86	−1.1	−10.4
Fuel and lighting	112	77	81	81	81	79	77	78	+1.3	−3.7
Metals and metal products	113	97	104	106	106	101	101	99	−2.0	−6.6
Building materials	116	90	98	99	98	96	95	95	0.0	−3.1
Chemicals	104	91	96	96	95	92	91	91	0.0	−4.2
House-furnishing goods	111	97	97	97	97	97	97	96	−1.0	−1.0
Miscellaneous	127	78	80	80	79	79	78	79	+1.3	0.0
Classified by condition of manufacture:										
Semimanufactured articles	128	88	97	99	97	92	91	88	−3.3	−9.3
Finished products	103	92	96	97	97	93	92	92	0.0	−5.2
Raw materials	109	89	98	99	97	92	89	90	+1.1	−7.2
Nonagricultural commodities	106	89	94	95	95	91	90	89	−1.1	−6.3
Commercial Indexes										
(Relative to 1923 monthly average as 100)										
Dun's	106	85	103	102	100	96	95	94	−1.1	−6.0
Bradstreet's	112	85	101	100	98	87	87	85	−2.3	−13.3

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

INDEXES OF BUSINESS—Continued

Relative to monthly average indicated	Maximum since Jan. 1, 1923	Minimum since Jan. 1, 1923	1929			1930			Per cent increase (+) or decrease (−)	
			February	March	April	February	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929
PRICE INDEX NUMBERS										
FARM PRICES										
(Relative to 1909–19 4 average as 100)										
All groups	**152**	**125**	**136**	**140**	**138**	**131**	**126**	**127**	**+0. 8**	**−8. 0**
Grains	178	108	123	124	120	115	107	110	+2. 8	−8. 3
Fruits and vegetables	253	108	111	112	110	168	169	187	+10. 7	+70. 0
Meat animals	167	98	150	160	164	150	151	146	−3. 3	−11. 0
Dairy and poultry	166	122	148	144	138	136	123	124	+0. 8	−10. 1
Cotton and cottonseed	252	81	149	155	152	121	113	120	+6. 2	−21. 1
Unclassified	108	78	91	90	88	84	80	78	−2. 5	−11. 4

SALES OF THE GREAT ATLANTIC & PACIFIC TEA CO.[1]

Year and Month	Sales (Thousands of dollars)			Tonnage sales		Year and Month	Sales (Thousands of dollars)			Tonnage sales	
	Total	Number of weeks	Weekly average	Total	Weekly average		Total	Number of weeks	Weekly average	Total	Weekly average
1928						**1929**					
September	$69, 336	4	$17, 334	309, 451	77, 363	September	$75, 246	4	$18, 811	336, 309	84, 077
October	93, 429	5	18, 686	419, 079	83, 816	October	105, 995	5	21, 199	472, 644	94, 529
November	73, 844	4	18, 461	338, 704	84, 676	November	83, 714	4	20, 928	381, 106	95, 276
December	74, 911	4	18, 728	345, 595	86, 399	December	87, 260	4	21, 815	407, 339	101, 835
1929						**1930**					
January	91, 983	5	18, 397	425, 590	85, 118	January	104, 271	5	20, 854	492, 425	98, 485
February	85, 846	4	21, 462	396, 225	99, 056	February	86, 122	4	21, 530	400, 568	100, 146
March	77, 712	4	19, 428	363, 786	90, 947	March	83, 976	4	20, 994	395, 331	98, 834
April	77, 324	4	19, 331	359, 129	89, 782	April	86, 138	4	21, 534	404, 319	101, 080

[1] Compiled by the *Atlantic & Pacific Tea Co.*, and represent the sales of identical stores for the periods shown.

RATE OF MANUFACTURING OPERATIONS[1]

(Based on consumption of electrical energy for power purposes)

ACTIVITY BY GEOGRAPHICAL DIVISIONS[1]

(1923–25 monthly average=100)

Month	United States							New England							North Central						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	101. 7	100. 4	102. 9	118. 4	111. 5	118. 4	132. 5	113. 4	108. 7	109. 3	105. 9	117. 2	115. 2	127. 6	97. 5	98. 0	100. 2	111. 8	105. 5	117. 0	138. 8
February	110. 6	109. 3	112. 3	123. 7	120. 7	127. 7	140. 4	114. 9	103. 1	112. 5	114. 0	120. 4	125. 2	132. 8	98. 3	109. 2	104. 0	122. 6	117. 4	127. 7	149. 5
March	105. 3	99. 9	108. 0	118. 5	116. 8	118. 2	135. 7	108. 3	94. 3	104. 1	111. 8	113. 4	116. 9	130. 8	104. 2	106. 2	106. 2	118. 2	117. 4	122. 3	141. 9
April	111. 4	97. 9	111. 2	114. 1	116. 9	119. 3	136. 4	123. 2	95. 7	104. 6	105. 5	114. 0	113. 8	125. 4	118. 2	105. 5	112. 4	118. 9	118. 9	129. 0	146. 5
May	110. 8	81. 7	106. 8	111. 3	120. 7	119. 0	136. 9	117. 8	81. 5	99. 3	105. 8	115. 2	109. 1	123. 3	118. 6	87. 2	107. 0	122. 4	124. 7	127. 2	148. 9
June	105. 5	74. 0	99. 7	106. 6	112. 5	116. 4	135. 2	116. 5	78. 4	92. 2	98. 6	112. 0	108. 4	123. 5	115. 2	83. 3	100. 7	111. 0	110. 9	124. 6	142. 0
July	102. 5	70. 8	99. 2	106. 7	110. 6	120. 2	129. 0	108. 3	68. 3	90. 5	92. 9	109. 3	102. 4	113. 4	111. 8	74. 5	99. 2	104. 1	115. 5	131. 8	141. 3
August	99. 6	76. 9	94. 3	110. 9	110. 6	120. 8	128. 2	98. 8	69. 5	92. 1	100. 7	105. 4	102. 2	108. 7	110. 0	82. 6	92. 9	117. 2	112. 5	132. 4	135. 5
September	107. 2	90. 0	98. 1	118. 6	118. 4	134. 5	135. 8	113. 1	84. 6	96. 7	111. 5	114. 0	115. 3	118. 2	107. 2	87. 1	101. 0	121. 2	116. 4	149. 7	140. 6
October	104. 5	89. 7	107. 3	119. 0	119. 9	132. 0	134. 6	103. 8	88. 6	100. 5	117. 8	114. 0	119. 3	126. 2	100. 4	86. 1	106. 3	123. 4	115. 0	143. 5	136. 9
November	103. 3	93. 4	112. 8	111. 9	115. 2	133. 3	122. 9	106. 5	99. 8	108. 5	113. 3	109. 7	126. 0	118. 1	94. 0	85. 3	105. 7	107. 2	111. 4	145. 7	122. 2
December	96. 1	94. 6	110. 3	101. 7	109. 8	127. 3	116. 4	106. 6	98. 3	107. 7	116. 0	103. 9	120. 2	107. 0	92. 8	88. 0	103. 2	95. 2	107. 8	133. 8	109. 0
Mo. av.	104. 9	89. 9	105. 2	113. 5	115. 3	123. 9	132. 0	111. 0	87. 5	101. 5	107. 8	112. 4	114. 5	121. 3	105. 6	91. 1	103. 3	114. 4	114. 5	132. 1	137. 8
	Middle Atlantic							Southern							Western						
January	112. 8	104. 5	108. 4	119. 1	114. 0	116. 2	126. 7	95. 5	96. 3	102. 9	120. 0	132. 8	124. 8	120. 5	92. 5	104. 6	110. 6	117. 8	118. 7	115. 0	131. 9
February	113. 6	109. 5	111. 4	118. 3	112. 5	126. 6	130. 7	104. 3	104. 3	112. 9	119. 3	123. 4	134. 8	137. 7	92. 0	108. 0	105. 5	116. 5	116. 1	116. 7	140. 8
March	106. 0	98. 2	104. 7	114. 9	109. 6	114. 2	130. 4	97. 9	96. 2	110. 0	113. 5	117. 2	115. 4	125. 4	87. 4	101. 3	102. 5	110. 6	100. 1	110. 4	138. 2
April	109. 9	96. 5	104. 6	108. 4	105. 9	112. 0	128. 0	103. 8	93. 7	105. 0	114. 3	119. 3	115. 2	126. 3	95. 7	93. 5	96. 4	117. 5	122. 1	117. 8	137. 0
May	113. 1	83. 1	98. 3	104. 7	108. 8	112. 9	130. 4	108. 4	86. 2	100. 6	109. 7	123. 0	110. 6	128. 1	103. 6	94. 7	102. 3	122. 2	126. 8	112. 9	144. 7
June	107. 4	78. 9	96. 9	98. 4	101. 9	113. 4	129. 5	100. 7	78. 7	95. 7	106. 8	120. 0	114. 6	128. 4	101. 4	97. 0	98. 4	121. 2	117. 2	118. 5	134. 2
July	100. 9	69. 6	91. 2	92. 9	96. 0	110. 8	120. 5	102. 2	75. 7	94. 9	102. 6	112. 7	112. 0	114. 7	108. 7	97. 5	98. 5	114. 2	125. 4	116. 5	129. 4
August	92. 7	71. 4	91. 0	103. 8	97. 4	118. 3	127. 9	93. 7	76. 6	92. 4	105. 7	121. 0	112. 8	132. 7	105. 7	108. 5	84. 5	119. 8	115. 3	127. 5	127. 0
September	103. 7	82. 5	98. 9	111. 0	111. 6	136. 0	138. 0	108. 4	98. 1	104. 1	115. 2	136. 8	127. 5	126. 3	109. 0	96. 5	103. 1	120. 2	124. 6	150. 8	143. 1
October	102. 0	89. 4	106. 2	112. 8	111. 5	133. 4	133. 0	103. 5	100. 0	104. 2	122. 5	134. 4	129. 7	131. 2	97. 5	94. 5	101. 1	116. 7	125. 7	148. 7	133. 8
November	105. 0	105. 6	115. 4	109. 3	110. 4	138. 9	124. 3	103. 9	108. 5	113. 2	134. 2	137. 8	127. 6	122. 8	93. 8	97. 7	102. 0	112. 8	117. 0	156. 7	142. 6
December	99. 0	103. 7	114. 0	107. 3	109. 9	126. 8	120. 5	97. 8	104. 7	125. 0	126. 1	128. 0	121. 2	130. 4	100. 0	98. 8	105. 2	108. 0	116. 9	124. 0	126. 0
Mo. av.	105. 5	91. 0	103. 5	108. 4	107. 5	121. 6	128. 3	101. 7	93. 1	105. 2	115. 8	125. 5	120. 5	127. 0	99. 0	99. 3	101. 7	116. 5	118. 8	126. 3	135. 7

[1] See footnote on p. 19.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

RATE OF MANUFACTURING OPERATIONS [1]—Continued

(Based on consumption of electrical energy for power purposes)

ACTIVITY IN LEADING INDUSTRIES THROUGHOUT THE COUNTRY

(1923-1925 monthly average=100)

Month	ALL INDUSTRY							Chemicals and allied products							Food and kindred products						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	101.7	100.4	102.9	118.4	111.5	118.4	132.5	95.5	95.3	110.3	122.2	95.1	124.2	129.2	94.0	99.5	100.2	101.7	95.3	102.4	128.0
February	110.6	109.3	112.3	123.7	120.7	127.7	140.4	89.8	92.6	112.0	115.6	105.3	129.1	138.7	94.4	102.9	95.4	98.9	98.5	115.6	127.5
March	105.3	99.9	108.0	118.5	116.8	118.2	135.7	86.4	92.7	109.7	113.3	103.1	126.8	133.0	98.7	97.5	90.8	87.3	83.8	108.4	122.2
April	111.4	97.9	111.2	114.1	116.9	119.3	136.4	88.7	92.3	106.8	111.2	108.0	131.7	131.7	103.1	94.2	94.5	98.2	104.2	105.9	121.2
May	110.8	81.7	106.8	111.3	120.7	119.0	136.9	89.4	89.7	109.2	120.8	111.8	126.3	129.2	106.7	97.1	100.8	102.8	115.8	103.9	122.6
June	105.5	74.0	99.7	106.6	112.5	116.4	135.2	84.8	86.0	103.5	111.1	101.7	122.6	133.8	109.6	104.5	108.0	98.9	113.4	116.8	121.8
July	102.5	70.8	99.2	106.7	110.6	120.2	129.0	85.9	80.0	104.7	115.7	104.9	128.5	127.0	103.6	108.6	105.2	112.4	121.2	129.2	129.9
August	99.6	76.9	94.3	110.9	110.6	120.8	128.2	78.8	86.2	108.8	122.7	97.8	119.2	125.0	102.6	100.3	98.6	120.4	111.6	128.3	132.2
September	107.2	90.0	98.1	118.6	118.4	134.5	135.8	94.9	95.4	109.2	113.8	122.6	132.0	139.9	104.6	102.4	98.6	112.8	127.4	142.0	141.2
October	104.5	89.7	107.3	119.0	119.9	132.0	134.6	106.4	109.9	122.7	120.2	115.8	129.4	145.0	104.2	97.1	103.9	107.9	120.8	138.0	131.7
November	103.3	93.4	112.8	111.9	115.2	133.3	122.9	98.1	120.0	128.5	99.9	115.5	135.7	147.3	102.9	93.5	96.2	104.0	117.9	130.0	127.9
December	96.1	94.6	110.3	101.7	109.8	127.3	116.4	98.3	113.6	123.9	106.2	109.0	132.8	148.0	98.5	91.0	96.3	95.2	104.6	113.7	121.1
Mo. av.	104.9	89.9	105.2	113.5	115.3	123.9	132.0	91.4	96.2	112.4	114.4	107.6	128.2	135.7	101.88	99.1	99.1	103.4	109.5	119.5	127.3

Month	Rolling mills and steel plants							Metal-working plants							Metals						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	------	------	------	------	120.5	131.3	153.5	115.4	102.7	114.0	131.5	114.0	117.4	135.8	115.4	102.7	114.0	131.5	117.7	124.4	142.6
February	------	------	------	------	126.8	133.8	163.3	126.4	119.3	122.5	129.9	114.3	127.6	153.7	126.4	119.3	122.5	129.9	120.5	130.7	157.3
March	------	------	------	------	125.6	124.5	160.3	115.6	109.5	112.5	121.8	108.3	117.4	151.4	115.6	109.5	112.5	121.8	117.0	121.0	154.9
April	------	------	------	------	123.5	125.4	153.3	118.9	102.6	111.5	116.0	106.3	121.7	148.3	118.9	102.6	111.5	116.0	114.9	123.2	149.9
May	------	------	------	------	122.5	125.0	172.2	118.3	73.0	100.8	109.3	109.0	122.7	144.2	118.3	73.0	100.8	109.3	116.7	123.6	154.8
June	------	------	------	109.9	116.3	121.2	154.3	109.8	58.9	90.6	110.0	105.6	123.7	143.4	109.8	58.9	90.6	109.9	110.9	122.7	147.9
July	------	------	------	109.0	113.0	121.2	144.4	113.0	53.7	91.3	107.4	104.4	126.3	144.4	113.0	53.7	91.3	108.2	108.6	124.2	144.2
August	------	------	------	108.2	106.4	125.4	150.9	108.0	63.6	91.1	110.4	103.0	125.8	134.6	108.0	63.6	91.1	109.3	104.6	125.5	140.7
September	------	------	------	120.8	109.6	141.2	152.3	110.9	76.4	92.6	118.5	105.2	144.2	147.4	110.9	76.4	92.6	119.7	107.4	143.0	149.2
October	------	------	------	123.2	111.8	144.7	144.8	106.3	74.7	97.4	122.9	109.7	144.5	145.0	106.3	74.7	97.4	123.0	110.8	144.6	145.1
November	------	------	------	113.5	108.9	148.8	123.2	102.9	83.5	108.1	114.8	106.3	140.5	128.7	102.9	83.5	108.1	114.2	107.7	143.5	126.7
December	------	------	------	106.2	110.6	142.2	120.5	94.3	91.3	118.6	113.1	101.2	137.5	127.2	94.3	91.3	118.6	109.6	105.9	139.2	124.9
Mo. av.	------	------	------	[2]112.9	116.3	132.1	149.4	111.7	84.1	104.2	117.1	107.3	129.1	142.0	111.7	84.1	104.2	116.9	111.9	130.[illegible]	144.9

Month	Leather and its products							Lumber and its products							Paper and pulp						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	114.2	95.9	93.1	90.8	102.5	112.2	94.3	80.3	102.3	107.2	126.2	118.8	107.7	107.4	104.1	110.0	101.4	122.7	128.7	121.3	126.2
February	121.4	100.8	106.7	111.2	105.6	118.4	102.1	83.3	115.0	116.9	132.8	116.0	113.3	107.6	92.9	99.1	100.4	117.9	130.2	124.2	125.2
March	126.4	99.0	109.0	93.9	99.7	107.0	93.4	83.1	98.3	112.4	123.0	105.7	106.0	104.2	103.0	91.2	104.7	108.4	116.0	120.2	129.2
April	126.4	94.2	111.2	87.3	101.3	98.8	82.0	98.5	100.5	112.2	122.2	111.4	115.4	108.0	105.7	104.1	110.9	108.4	124.2	120.5	136.0
May	117.3	83.9	97.9	87.3	96.3	98.1	95.2	97.7	94.4	107.7	117.5	136.8	110.8	111.1	115.1	104.4	112.7	100.0	124.8	136.4	129.9
June	101.6	74.2	88.5	86.6	97.8	100.2	98.7	98.9	89.3	102.0	108.4	113.4	109.2	113.8	113.2	98.4	102.9	101.9	119.8	133.7	137.3
July	105.3	71.3	91.9	86.2	96.3	99.0	82.0	100.5	80.0	100.5	106.0	112.9	108.8	103.2	104.1	78.8	93.0	109.6	115.8	127.3	122.3
August	110.9	84.2	99.2	100.0	97.0	94.7	102.2	96.0	88.4	101.6	116.4	128.0	111.6	102.3	99.8	78.9	93.9	118.6	117.3	129.1	123.6
September	110.8	98.7	99.3	102.9	105.9	106.9	105.4	105.3	102.2	103.4	117.8	141.3	111.3	111.4	97.5	88.2	91.8	128.2	122.7	132.0	127.0
October	109.9	104.0	109.0	103.3	111.0	103.8	93.0	101.7	93.5	102.1	118.8	139.2	109.3	109.8	92.4	94.7	107.7	133.4	127.7	133.3	141.0
November	92.6	93.5	95.2	105.8	104.5	94.0	97.6	105.1	98.2	114.2	112.9	135.8	111.8	111.8	100.1	97.9	111.4	118.5	126.5	135.2	133.7
December	87.2	83.2	86.1	101.2	98.2	93.7	89.0	100.8	109.0	97.6	103.7	123.3	107.3	92.8	97.6	94.2	103.8	118.2	122.0	127.4	132.1
Mo. av.	110.8	90.4	98.8	96.4	101.3	102.2	94.6	95.9	97.6	106.5	117.1	123.6	110.2	107.0	102.2	95.0	102.8	115.5	123.0	128.4	130.3

Month	Rubber and its products							Shipbuilding							Stone, clay and glass						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	91.6	102.4	110.2	113.2	111.2	120.4	148.2	88.2	99.5	114.2	112.8	129.2	94.2	108.2	101.1	95.4	89.5	114.2	98.4	105.2	137.4
February	105.4	108.6	115.7	125.9	118.4	137.0	154.7	98.6	109.6	118.1	119.4	120.4	98.8	95.5	117.7	103.2	102.5	118.8	105.8	127.3	148.7
March	102.5	98.3	107.8	111.4	115.0	126.2	155.8	93.6	103.9	106.9	109.9	117.7	75.4	99.7	97.6	96.4	99.1	105.2	110.2	121.1	138.0
April	133.8	99.1	110.0	115.4	115.7	121.7	155.7	111.2	88.7	97.9	127.7	129.8	93.3	116.1	98.8	95.4	100.4	109.7	117.4	133.6	145.0
May	125.0	71.0	104.3	109.3	120.4	128.5	157.6	119.5	74.8	103.4	125.0	134.5	84.0	135.2	92.2	87.0	115.8	117.9	130.2	129.3	143.5
June	123.5	60.5	96.7	107.0	114.9	131.7	158.1	115.0	72.4	98.7	128.4	130.5	85.3	106.9	92.8	87.3	109.0	127.2	107.4	128.0	170.3
July	106.2	58.3	99.9	97.3	109.0	135.3	136.7	121.6	77.7	97.5	130.8	116.7	67.2	107.7	97.5	84.1	111.9	122.0	111.3	129.8	154.7
August	96.6	64.6	93.7	98.5	117.8	138.4	120.2	125.6	85.2	100.8	110.8	112.2	67.3	96.3	92.1	91.4	101.7	124.5	114.1	135.3	157.7
September	118.4	85.8	102.7	114.0	114.4	151.2	133.7	113.4	87.3	110.9	111.3	106.6	72.3	114.9	103.4	101.3	105.0	129.0	118.2	152.0	165.7
October	97.3	79.1	111.1	113.8	115.6	146.4	135.1	92.7	83.7	103.8	117.0	117.2	73.8	134.4	94.4	94.8	106.4	130.7	111.0	144.7	159.2
November	101.4	85.6	123.2	112.8	117.0	143.8	113.1	87.0	89.7	105.3	115.4	100.8	102.2	114.0	100.8	102.4	115.6	118.5	109.7	149.1	146.2
December	94.6	99.6	114.5	101.5	96.7	124.8	108.4	96.1	100.0	106.5	141.0	94.6	91.8	120.4	96.4	98.6	121.0	122.5	98.8	136.6	146.2
Mo. av.	108.0	84.5	107.5	110.0	113.8	133.8	139.8	105.3	89.4	105.3	120.8	117.5	83.8	112.4	98.8	94.8	106.4	120.0	111.0	132.7	151.1

Month	Textiles							Automobiles, including repair parts							Metal working industry [3]						
	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929	1923	1924	1925	1926	1927	1928	1929
January	113.6	102.1	102.3	119.7	127.7	116.7	129.4	71.1	94.6	69.5	99.1	78.1	135.2	149.4	107.2	100.5	103.3	122.5	108.0	120.2	135.4
February	127.2	103.8	118.7	117.5	136.0	127.5	133.0	101.9	118.6	95.8	122.4	103.4	148.7	161.5	116.8	119.0	106.7	126.8	112.7	134.8	153.7
March	114.7	84.4	107.7	114.1	125.0	114.9	126.6	104.1	116.1	116.6	129.7	118.2	136.2	154.5	110.2	109.9	107.7	122.2	110.6	118.6	148.2
April	118.1	85.2	114.0	101.8	128.3	109.8	128.1	121.4	114.0	137.5	136.8	126.7	148.7	170.6	116.6	103.8	109.4	120.7	112.0	125.4	150.0
May	116.9	64.1	101.9	100.5	128.5	105.7	129.9	118.6	89.9	135.6	139.0	131.5	141.6	161.8	115.2	83.5	105.2	115.2	114.5	124.2	143.7
June	105.9	57.9	94.0	96.3	118.8	104.7	123.0	112.4	69.1	120.1	121.5	107.6	136.0	154.0	103.6	73.4	97.1	111.8	106.1	124.1	141.5
July	95.0	58.1	92.7	88.7	113.0	91.8	113.4	101.3	71.7	119.9	111.0	102.3	143.7	139.5	108.7	69.5	96.6	106.1	104.1	127.4	139.4
August	97.6	66.7	94.3	94.1	113.0	97.3	110.0	98.1	78.2	76.0	132.2	108.0	143.2	143.0	102.9	75.2	88.4	113.2	104.0	125.3	134.6
September	112.6	91.8	97.3	113.7	121.2	112.5	115.5	106.3	88.7	98.7	129.2	109.5	161.0	138.1	106.4	83.4	97.3	119.3	106.5	142.3	143.4
October	105.5	96.6	103.8	123.4	125.4	121.0	129.8	108.1	82.9	136.5	108.2	114.2	141.2	122.4	104.5	81.8	103.2	119.0	110.8	129.3	137.0
November	114.5	102.9	118.5	127.5	119.2	132.5	115.5	95.9	69.7	123.8	82.8	100.7	127.1	88.4	99.8	86.7	107.9	107.0	105.6	136.0	118.0
December	98.4	104.4	116.8	122.5	112.3	126.3	109.8	90.9	58.9	87.5	52.1	106.4	130.0	79.4	95.0	90.5	108.1	98.7	103.9	132.7	117.8
Mo. av.	110.0	84.8	105.2	110.0	122.4	113.4	22.0	102.5	87.7	109.8	113.7	108.9	141.1	138.6	107.6	89.8	102.6	115.2	108.2	128.4	138.6

[1] Data compiled by the *Electrical World* and represent the utilization of electrical energy by 3,800 identical manufacturing concerns depending at all times upon electrical energy for power. About one-third of these concerns generate all the energy they consume, and two-thirds purchase all or a portion of their energy from public utilities. The basic data, therefore, does not in any way show the expansion of the market for central power with new customers. These tables revise all previous data shown on this subject.

[2] 7 months' average.

[3] Compiled by the *American Machinist*.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

RELATIVE DEBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS [1]

GROUPED BY FEDERAL RESERVE DISTRICTS

[Table continued on p. 21]

Year and Month	U. S. TOTAL 141 CENTERS	BOSTON DISTRICT					NEW YORK DISTRICT					PHILADELPHIA DISTRICT			
		Total, 11 centers	Boston	Hartford	Providence	New Haven	Total, 7 centers	Albany	Buffalo	Rochester	New York	Total, 10 centers	Philadelphia	Scranton	Trenton
1919 av., mills. dolls.	37,446	1,769	1,245	92	144	72	20,917	87	263	120	20,354	1,625	1,373	53	43
1919 monthly average	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1920 monthly average	106.0	109.2	105.9	117.4	118.7	118.1	99.4	111.5	114.8	119.2	98.8	113.3	112.4	124.5	125.6
1921 monthly average	88.7	102.4	106.7	98.9	93.0	98.6	85.2	119.5	92.8	103.3	84.8	95.8	93.8	122.7	111.6
1922 monthly average	97.8	105.5	109.3	103.3	95.1	104.2	98.4	119.5	99.6	110.0	98.2	102.5	101.7	109.4	118.6
1923 monthly average	103.2	117.1	120.2	119.6	105.5	122.2	98.2	118.3	114.8	124.2	97.6	114.3	111.9	139.6	137.2
1924 monthly average	109.5	120.9	125.6	131.3	104.4	125.8	108.3	134.8	115.0	129.0	107.9	116.8	114.3	142.3	146.5
1925 monthly average	126.8	136.7	143.9	141.7	114.9	134.6	128.7	147.7	133.3	144.3	128.3	129.5	128.1	138.9	159.6
1926 monthly average	135.3	141.6	157.0	152.3	113.4	139.6	139.0	154.0	136.9	146.3	138.8	134.6	133.1	144.2	168.5
1927 monthly average	150.0	158.1	168.9	202.5	113.2	148.6	160.1	168.3	140.6	152.2	160.3	140.0	138.6	145.5	175.6
1928 monthly average	179.5	161.3	169.1	232.7	115.5	162.4	203.7	179.0	166.0	157.8	204.8	156.2	155.8	146.6	187.4
1929 monthly average	208.2	176.5	184.3	279.4	137.4	173.8	245.4	208.0	199.0	164.6	246.9	171.5	171.5	144.8	201.6
1928															
September	168.7	142.4	148.8	210.9	110.4	152.8	189.4	139.0	102.7	148.3	190.3	146.6	146.1	134.0	172.1
October	194.7	172.2	180.4	231.5	142.3	176.4	220.9	156.3	190.5	165.0	222.0	169.7	169.4	145.3	195.4
November	190.6	166.8	176.5	217.4	124.3	159.7	220.0	157.4	180.2	155.0	223.4	163.6	164.7	137.8	188.4
December	220.1	178.5	187.5	259.8	137.5	172.2	257.2	198.8	196.6	180.0	259.0	189.3	191.2	154.7	230.3
1929															
January	221.3	181.3	187.9	295.7	143.7	195.8	266.7	186.1	191.2	175.0	268.8	179.1	178.9	151.0	200.0
February	189.1	151.2	159.5	220.7	117.3	144.5	225.4	157.4	149.8	141.7	227.4	156.1	155.9	137.8	216.3
March	223.2	171.4	178.4	267.4	134.0	172.2	270.0	233.2	180.2	165.8	272.3	175.1	177.7	143.4	181.4
April	199.7	166.0	168.8	301.1	131.9	172.2	234.4	241.3	181.4	153.3	235.7	178.4	179.9	141.5	193.1
May	204.5	167.4	173.7	254.4	133.3	166.7	244.4	282.7	176.0	149.2	245.0	166.7	167.1	141.5	183.8
June	186.1	162.5	166.5	250.0	137.5	170.8	211.9	212.6	188.2	164.2	212.6	177.1	178.7	139.6	193.1
July	207.4	182.1	189.8	300.0	140.2	180.6	240.8	204.5	217.1	176.7	241.8	175.5	175.3	139.6	227.9
August	206.7	186.7	200.7	287.0	128.4	168.1	239.9	196.5	226.2	159.2	240.9	154.2	153.2	135.9	186.1
September	207.4	174.5	179.5	341.3	127.1	173.6	246.2	178.1	232.3	182.5	247.3	154.0	152.5	135.9	190.7
October	2 5.3	217.5	231.9	322.8	166.6	201.4	308.9	209.1	256.3	193.3	311.1	186.2	185.6	171.7	211.7
November	219.4	186.3	195.1	273.9	152.1	179.2	261.5	191.9	213.3	158.3	263.4	180.1	181.8	152.8	204.7
December	178.4	171.4	180.2	238.1	136.8	161.1	195.3	202.2	176.4	155.8	195.8	175.5	171.1	147.2	230.3
1930															
January	161.5	172.4	181.4	254.4	131.9	176.4	170.5	176.9	160.4	151.7	170.6	160.6	159.6	143.4	211.7
February	140.6	131.7	136.1	203.3	109.0	141.7	152.7	183.8	143.0	122.5	152.9	137.4	153.8	120.8	216.3
March	175.6	147.8	150.3	257.6	118.7	175.0	199.4	263.1	161.2	136.7	200.2	154.2	153.9	128.3	162.8
April	168.2	152.5	158.6	248.9	116.6	163.9	189.3	237.8	161.6	140.8	189.8	139.9	137.4	130.2	169.8
May															
June															
July															

Year and Month	ATLANTA DISTRICT							CHICAGO DISTRICT							
	Total, 15 centers	Atlanta	Birmingham	New Orleans	Jacksonville	Nashville	Augusta	Total, 21 centers	Chicago	Detroit	Indianapolis	Milwaukee	Des Moines	Grand Rapids	Sioux City
1919 av., mills. dolls.	928	123	59	304	48	93	37	4,242	2,800	525	136	237	83	75	63
1919 monthly average	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1920 monthly average	115.1	108.9	128.8	115.4	125.0	120.4	110.8	116.0	113.0	125.2	123.5	124.0	114.5	128.0	109.5
1921 monthly average	84.2	85.4	103.4	82.2	91.7	105.4	64.9	92.0	91.7	91.2	100.0	97.5	84.4	109.3	63.5
1922 monthly average	86.0	90.2	133.9	89.5	97.9	71.0	70.3	96.8	96.2	101.3	104.4	101.7	83.1	81.3	101.6
1923 monthly average	100.0	108.9	183.1	97.4	112.5	78.5	83.8	108.8	105.0	125.7	115.4	115.6	97.6	89.3	119.0
1924 monthly average	105.3	113.1	199.3	106.4	126.5	79.2	74.6	110.8	106.3	130.6	110.9	110.5	103.2	89.2	123.4
1925 monthly average	125.0	129.2	226.7	118.2	206.2	87.6	78.2	124.9	120.4	158.3	115.4	119.4	89.8	114.1	136.9
1926 monthly average	128.1	132.7	243.8	113.7	232.6	89.7	72.6	132.0	127.5	166.4	135.2	127.3	98.1	115.5	129.1
1927 monthly average	123.9	127.8	253.5	114.8	181.6	97.6	74.8	137.9	136.8	162.8	136.2	130.1	98.9	110.3	114.7
1928 monthly average	123.1	137.7	255.4	112.6	156.4	108.5	75.0	155.3	152.3	213.2	139.6	131.5	100.2	118.0	92.5
1929 monthly average	128.2	173.0	252.1	112.2	157.8	118.8	74.1	174.6	174.8	234.3	153.4	133.5	102.5	123.1	99.7
1928															
September	114.4	122.8	242.4	107.6	133.3	100.0	64.9	151.7	144.1	237.2	127.9	121.5	95.2	116.0	95.2
October	134.0	145.5	294.9	120.7	152.1	120.4	89.2	165.8	160.5	236.8	146.3	138.4	106.0	126.6	101.6
November	129.9	167.5	261.0	119.4	143.7	120.4	73.0	155.9	153.1	216.2	143.4	127.0	100.0	124.0	74.6
December	145.5	204.9	279.7	134.2	172.9	111.8	86.5	184.6	176.9	301.4	156.6	131.2	100.0	130.6	90.5
1929															
January	143.6	186.2	281.4	129.6	168.7	146.2	75.7	173.7	170.1	255.3	155.1	128.3	101.2	133.3	98.4
February	120.2	169.9	215.3	105.6	158.3	119.3	64.9	153.3	154.9	201.4	140.4	115.2	86.8	104.0	88.9
March	134.3	195.9	252.6	117.4	175.0	129.0	75.7	180.3	185.7	220.2	150.7	130.8	100.0	126.6	101.6
April	132.3	188.6	255.9	112.2	183.3	119.3	75.7	163.4	158.9	234.9	143.4	122.8	101.2	118.6	106.3
May	126.3	187.0	252.6	104.3	162.5	109.7	70.3	166.5	160.0	252.4	151.5	117.3	106.0	128.0	104.7
June	120.5	165.9	232.2	95.7	152.1	145.1	62.2	163.7	158.7	233.0	156.6	128.3	103.6	122.6	96.8
July	126.7	180.5	244.1	107.9	162.5	111.8	62.2	178.4	176.6	242.3	165.4	142.6	103.6	126.6	106.3
August	121.4	179.7	239.0	101.6	141.6	112.9	64.9	187.8	192.8	234.5	159.6	143.9	104.8	130.6	101.6
September	117.5	143.9	244.1	102.0	131.2	106.4	78.4	179.9	177.2	260.8	147.8	140.1	103.6	132.0	95.2
October	142.0	171.5	296.6	131.2	158.3	118.3	100.0	206.4	214.6	253.0	164.0	151.9	118.1	134.6	104.7
November	123.8	152.0	254.3	114.5	143.7	101.1	75.7	179.7	185.3	215.1	157.4	147.7	103.6	113.3	90.5
December	129.4	154.5	257.6	125.0	156.2	106.4	83.8	162.5	162.8	208.8	148.5	132.9	97.6	106.6	101.6
1930															
January	130.5	165.0	272.9	118.1	170.8	105.4	67.6	154.7	151.6	201.5	148.5	137.1	106.0	114.6	104.7
February	108.8	129.3	196.6	103.3	166.6	91.4	56.8	129.4	127.1	166.1	125.0	112.6	85.6	85.3	95.2
March	115.1	143.1	215.3	102.0	160.4	104.3	64.9	156.4	155.5	202.7	139.0	131.6	104.8	104.0	98.4
April	113.5	132.5	208.5	107.2	162.5	100.0	67.6	152.9	149.9	204.8	129.4	131.3	107.2	106.6	98.4
May															
June															
July															

See footnote on p. 22.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

RELATIVE DEBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS—Continued

GROUPED BY FEDERAL RESERVE DISTRICTS—Continued

[*Table continued on p. 22*]

Year and Month	CLEVELAND DISTRICT									RICHMOND DISTRICT				
	Total, 13 centers	Akron	Cincinnati	Cleveland	Pittsburgh	Y'ngstown	Toledo	Columbus	Dayton	Total, 7 centers	Baltimore	Norfolk	Richmond	Greenville [1]
1919 average millions of dollars	1,963	90	247	653	746	60	116	116	50	718	404	84	16	37
1919 monthly average	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1920 monthly average	16.4	115.6	113.0	115.9	118.5	110.0	117.2	111.2	104.0	111.8	115.6	102.3	108.7	102.7
1921 monthly average	89.6	63.3	107.7	81.9	94.9	78.3	100.0	102.6	110.0	95.5	104.9	71.4	98.3	67.6
1922 monthly average	94.6	63.3	117.4	84.1	97.2	83.3	123.8	112.1	112.0	89.6	89.1	78.5	100.9	67.6
1923 monthly average	110.9	80.0	133.6	99.2	112.7	103.4	153.5	128.5	138.0	98.6	93.3	88.1	112.9	78.4
1924 monthly average	109.4	81.4	128.0	96.8	113.2	101.6	155.7	116.0	136.0	96.3	93.4	82.2	109.1	69.4
1925 monthly average	122.0	100.0	142.7	106.6	126.4	117.0	179.2	126.9	156.0	106.7	104.6	85.8	122.9	73.0
1926 monthly average	127.4	104.5	150.3	115.9	126.7	118.0	189.5	138.3	176.5	108.4	107.4	94.2	121.5	76.2
1927 monthly average	136.6	112.9	167.2	124.9	137.1	118.5	205.2	144.8	188.8	107.1	104.2	89.0	120.2	75.0
1928 monthly average	141.4	124.5	181.2	130.0	136.1	124.1	241.0	148.3	194.5	105.4	102.0	85.4	123.6	64.2
1929 monthly average	152.9	133.7	184.8	145.9	150.9	137.4	198.9	166.6	216.2	108.9	107.6	81.8	127.4	61.3
1928														
September	135.3	125.5	159.1	124.3	129.6	123.4	230.2	138.8	182.0	93.6	86.4	72.6	128.5	51.4
October	156.1	141.1	188.3	150.0	147.1	136.7	271.6	151.7	202.0	112.7	104.0	94.0	146.6	70.3
November	140.5	116.7	169.7	123.4	142.3	118.4	240.5	146.6	168.0	102.8	95.8	83.3	130.2	64.9
December	169.9	141.1	214.2	162.1	159.6	151.7	277.6	186.2	228.0	120.1	112.6	107.1	144.8	67.6
1929														
January	154.2	136.7	202.5	138.9	147.1	138.4	244.0	174.1	242.0	113.3	106.2	94.0	133.6	73.0
February	139.6	125.5	176.5	134.1	139.9	115.0	170.7	150.0	190.0	96.4	93.3	73.8	114.7	62.2
March	150.0	133.3	184.2	140.4	148.7	135.0	199.1	158.6	232.0	108.4	104.4	85.7	125.0	64.9
April	158.5	140.0	201.2	153.1	154.0	138.4	219.0	173.3	216.0	110.3	109.1	80.9	121.6	59.5
May	145.7	134.4	172.5	135.8	147.7	120.0	185.4	159.5	198.0	104.9	101.2	82.1	115.5	59.5
June	148.1	136.7	179.0	141.3	143.6	143.4	190.5	163.8	214.0	105.0	106.9	80.1	117.2	56.8
July	165.4	148.9	184.6	151.1	167.9	151.7	219.8	175.0	248.0	109.1	111.6	83.3	123.3	56.8
August	152.3	127.8	165.2	149.6	148.7	143.4	191.4	164.7	210.0	113.9	120.3	80.1	134.5	54.1
September	145.7	130.0	166.0	145.6	138.6	135.0	175.0	156.0	214.0	101.5	103.0	73.8	120.7	51.4
October	170.4	140.0	206.5	165.5	170.2	155.0	218.1	187.1	220.0	120.5	117.8	89.3	146.6	73.0
November	152.1	124.4	189.5	140.9	161.6	125.0	179.3	160.4	198.0	112.1	110.1	88.1	141.4	64.9
December	153.1	126.7	189.5	154.9	143.0	148.4	194.8	176.7	212.0	110.9	107.2	90.4	134.5	59.5
1930														
January	144.0	125.5	183.4	141.8	131.6	135.0	184.5	167.2	228.0	108.7	107.7	80.9	126.7	73.0
February	118.4	100.0	133.6	110.4	116.7	100.0	148.3	139.7	176.0	91.1	92.1	70.2	105.2	54.1
March	135.9	112.2	146.6	131.5	135.5	113.4	157.8	162.1	190.0	106.4	113.4	77.4	112.9	54.1
April	139.2	122.2	175.7	138.9	131.7	130.0	162.1	172.4	190.0	105.3	105.9	75.0	109.5	51.4
May														
June														
July														

Year and Month	DALLAS DISTRICT				ST. LOUIS DISTRICT					MINNEAPOLIS DISTRICT				
	Total, 11 centers	Dallas	Houston	Fort Worth	Summary for 5 centers	Louisville	St. Louis	Memphis	Little Rock	Total, 9 centers	Duluth	Minneapolis	St. Paul	Helena	Billings
1919 av., mill. dolls	521	161	138	92	965	156	617	136	36	659	90	354	162	11	9
1919 monthly average	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**	**100.0**
1920 monthly average	117.4	114.3	115.2	119.6	105.4	92.3	106.5	107.4	125.0	108.5	120.0	109.6	98.2	100.0	111.1
1921 monthly average	94.2	90.7	86.2	109.8	89.0	82.0	91.9	73.5	116.7	82.7	84.4	84.2	75.3	100.0	88.9
1922 monthly average	97.9	96.9	81.2	119.6	94.5	87.8	94.2	87.5	127.8	88.0	82.2	85.0	97.5	90.9	77.8
1923 monthly average	101.3	107.5	89.0	93.5	110.4	101.9	108.4	106.6	169.5	94.8	85.5	91.5	106.8	81.8	88.9
1924 monthly average	101.5	112.7	91.2	78.0	110.6	106.7	108.2	101.1	186.1	104.2	117.7	103.8	101.6	85.6	78.7
1925 monthly average	112.4	130.8	103.6	82.4	124.2	120.8	120.8	111.7	204.9	114.3	118.2	119.4	104.7	85.6	84.3
1926 monthly average	119.1	131.5	126.0	92.1	127.3	128.7	122.7	111.5	226.4	104.9	88.3	110.3	102.2	82.6	88.0
1927 monthly average	124.5	135.6	131.9	103.2	127.4	123.6	120.9	119.6	220.8	110.0	103.0	113.9	106.7	83.3	92.6
1928 monthly average	134.6	148.5	140.1	115.8	133.8	131.3	129.0	117.0	230.4	117.5	101.3	124.6	110.6	87.9	110.2
1929 monthly average	147.1	162.2	153.2	124.7	138.5	134.8	132.9	134.6	236.8	128.2	101.1	141.5	116.3	93.9	111.1
1928															
September	141.8	163.3	147.8	116.3	122.9	128.2	114.4	110.3	233.4	131.8	142.2	139.3	109.9	90.9	122.2
October	163.5	188.8	176.8	127.2	147.1	134.6	136.5	155.1	300.0	155.0	181.1	159.3	125.9	127.3	166.7
November	145.5	169.6	147.1	119.6	134.3	128.2	122.7	146.3	261.1	127.3	130.0	131.9	113.6	100.0	133.3
December	167.0	185.1	173.9	153.3	157.8	148.7	150.4	155.9	277.8	127.3	101.1	134.2	125.3	109.0	111.1
1929															
January	154.7	178.3	149.3	132.6	146.8	150.6	137.5	144.9	236.1	113.0	74.4	122.3	113.0	90.9	100.0
February	131.8	146.0	136.2	104.4	125.6	133.3	117.2	120.6	200.0	100.0	66.7	107.4	103.1	72.7	77.8
March	147.6	168.3	152.9	117.4	140.7	136.5	133.2	136.0	238.9	113.0	75.5	120.9	117.3	81.8	100.0
April	142.2	154.0	145.6	120.7	134.6	127.6	131.5	121.3	225.0	112.0	77.8	119.8	111.1	100.0	100.0
May	140.3	145.3	157.2	115.2	132.1	136.5	128.2	114.7	216.7	116.1	91.1	126.8	105.6	81.8	111.1
June	129.3	134.8	136.9	115.2	141.2	135.3	145.7	108.1	191.7	120.0	97.8	130.0	111.7	81.8	100.0
July	139.9	139.1	152.9	142.4	136.9	138.5	138.3	102.9	211.1	138.7	122.2	154.8	117.3	100.0	111.1
August	138.7	147.8	147.8	122.8	126.5	123.1	125.3	110.3	211.1	150.2	132.2	171.8	120.4	100.0	111.1
September	150.3	165.8	160.9	118.5	134.0	128.8	125.6	141.2	258.4	147.8	127.8	169.8	116.1	100.0	122.2
October	179.4	208.1	188.4	142.4	163.7	153.2	147.5	202.2	338.9	154.0	125.5	172.3	130.3	109.1	166.7
November	155.8	175.8	161.6	131.5	142.5	136.5	131.5	165.4	263.9	138.4	116.7	151.7	124.7	109.1	122.2
December	154.9	182.6	148.5	133.7	137.9	117.9	133.9	147.8	250.0	135.0	105.5	150.0	124.7	100.0	111.1
1930															
January	142.2	155.3	149.3	110.9	132.7	127.6	129.0	130.1	225.0	113.9	71.1	128.0	111.1	81.8	88.9
February	124.0	131.1	130.4	98.9	108.8	109.6	104.1	107.4	188.9	100.7	66.7	111.9	99.4	72.7	77.8
March	140.9	173.9	134.8	105.4	123.1	116.0	119.3	119.9	222.2	110.7	76.7	120.3	112.3	72.7	88.9
April	130.7	147.8	132.6	103.3	120.1	114.1	118.7	105.1	211.1	110.7	68.9	123.7	107.4	90.9	88.9
May															
June															
July															

See footnote on p. 22.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

RELATIVE DEBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS—Continued

GROUPED BY FEDERAL RESERVE DISTRICTS—Continued

Year and Month	KANSAS CITY DISTRICT							SAN FRANCISCO DISTRICT					
	Total, 14 centers	Denver	Kansas City, Mo.	Omaha	St. Joseph, Mo.	Oklahoma City	Tulsa	Total, 18 centers	Los Angeles	Portland, Oreg.	San Francisco	Seattle	Oakland, Calif.
1919 average, millions of dolls.	1,231	146	413	264	85	68	94	1,909	314	181	760	206	63
1919 monthly average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1920 monthly average	109.8	139.7	94.9	95.5	97.6	153.0	131.9	123.2	139.2	108.8	124.6	96.1	160.3
1921 monthly average	82.0	98.6	74.6	67.4	81.1	129.4	88.3	104.4	143.0	82.3	101.9	67.0	128.5
1922 monthly average	84.2	102.7	74.3	73.1	69.4	119.2	105.3	107.2	165.0	76.2	94.8	73.3	144.4
1923 monthly average	90.6	111.6	84.3	77.7	72.9	114.7	104.3	126.3	223.6	86.2	104.0	83.0	192.0
1924 monthly average	85.7	112.9	81.4	69.7	71.6	112.1	89.5	128.9	236.7	89.4	107.1	87.7	196.3
1925 monthly average	95.5	121.5	90.1	76.9	72.7	127.4	112.6	142.9	251.1	92.0	126.1	98.0	227.3
1926 monthly average	100.4	123.2	93.4	75.4	73.4	139.1	136.0	155.7	278.1	101.0	138.2	103.2	273.0
1927 monthly average	102.3	120.4	93.8	76.0	66.9	154.6	139.2	172.3	297.2	94.2	165.0	105.8	356.7
1928 monthly average	108.9	125.4	102.4	82.1	70.0	167.1	147.0	198.7	342.7	101.4	201.6	119.7	399.1
1929 monthly average	120.5	138.9	115.0	87.4	68.9	192.3	177.0	203.7	388.1	109.1	186.3	133.3	376.5
1928													
September	110.7	129.4	105.1	89.4	70.6	163.3	151.1	192.7	325.8	102.8	194.1	116.5	369.8
October	122.7	145.2	117.7	88.6	72.9	203.0	168.1	206.1	369.5	114.9	192.7	134.9	409.4
November	107.0	128.1	99.5	75.8	65.9	167.7	155.3	190.6	357.4	116.0	194.2	108.7	349.1
December	120.9	131.5	113.1	77.7	74.1	207.4	207.5	222.5	372.6	111.1	221.1	130.1	533.2
1929													
January	117.1	136.3	107.3	84.1	74.1	185.3	184.1	209.4	404.2	101.1	189.1	133.0	407.9
February	102.3	118.5	94.4	75.8	61.2	175.0	147.9	187.4	371.4	97.2	172.3	112.1	349.1
March	117.9	148.6	111.6	89.4	69.4	176.5	159.6	223.3	435.1	110.5	210.6	140.3	417.4
April	116.0	145.2	104.8	86.0	68.2	185.3	172.4	191.5	383.8	98.3	164.0	128.6	336.6
May	112.7	135.6	105.3	83.0	65.9	186.8	161.7	197.7	394.9	111.6	174.0	125.7	372.9
June	115.3	133.6	110.4	83.7	65.9	183.9	169.2	190.3	365.0	105.0	167.4	125.7	385.6
July	140.4	137.7	145.3	96.6	78.8	216.2	202.2	196.7	365.0	108.8	175.9	138.3	385.6
August	128.1	149.3	127.1	98.1	76.4	182.4	170.2	208.3	393.3	115.5	191.0	141.7	382.5
September	116.7	130.1	112.6	87.5	65.9	189.8	173.4	197.3	366.3	114.9	184.2	133.0	325.3
October	135.8	166.4	129.5	98.1	71.7	216.2	197.9	241.6	433.2	121.0	244.8	159.7	388.8
November	124.5	139.7	118.1	85.2	62.3	208.9	190.5	209.8	394.0	121.6	191.2	140.3	358.7
December	119.8	125.3	113.1	81.1	67.0	201.5	194.7	191.2	351.0	103.9	171.3	121.4	377.7
1930													
January	114.5	121.9	103.9	84.9	68.2	208.9	174.5	186.9	352.9	96.7	170.3	122.3	319.0
February	99.3	107.5	90.3	77.3	56.4	170.6	143.6	161.9	308.6	82.9	150.4	105.8	269.8
March	109.5	123.3	101.7	85.6	57.6	191.2	157.5	198.2	346.5	100.0	201.5	126.7	353.9
April	106.8	124.7	99.7	79.9	56.4	179.5	158.5	183.0	344.0	98.3	171.2	123.3	301.5
May													
June													
July													

DISTRICT TOTALS—SEASONAL VARIATIONS ELIMINATED

Year and Month	U. S. total	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
1919 monthly average	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1920 monthly average	106.0	109.5	99.3	105.1	116.4	112.1	115.1	116.1	105.5	108.5	109.8	118.0	123.4
1921 monthly average	88.7	101.9	85.1	95.9	89.8	97.6	84.4	92.0	89.1	82.9	82.1	94.3	105.4
1922 monthly average	97.8	105.4	98.5	102.5	94.5	89.5	85.9	96.8	94.2	87.9	84.1	97.9	107.1
1923 monthly average	103.3	117.1	98.0	114.4	111.1	98.8	99.9	109.0	110.3	95.0	89.7	101.1	126.4
1924 monthly average	109.5	121.1	108.3	116.8	109.5	96.5	105.3	110.8	110.5	103.1	87.0	101.2	129.4
1925 monthly average	126.7	136.6	128.6	129.4	122.0	106.8	124.8	123.8	124.1	114.4	95.4	112.4	142.9
1926 monthly average	135.4	146.0	139.0	132.1	127.4	108.5	128.4	132.1	127.3	105.3	100.3	119.4	156.2
1927 monthly average	150.0	158.1	160.2	140.0	136.7	107.3	124.1	137.9	127.3	109.5	102.1	124.5	172.4
1928 monthly average	179.1	161.3	203.1	155.9	141.3	105.6	123.2	155.1	133.3	117.3	108.5	134.5	199.7
1929 monthly average	208.8	177.1	246.5	171.7	154.0	109.1	128.5	174.8	138.6	128.2	120.4	147.5	204.2
1928													
September	177.6	156.7	204.5	151.6	138.9	98.0	118.7	153.5	129.4	119.3	109.3	137.0	190.8
October	182.3	158.0	208.2	159.9	152.3	103.7	120.8	157.0	134.3	130.9	115.8	138.9	189.3
November	186.9	158.1	216.8	165.8	144.1	98.7	122.2	158.4	131.8	118.2	107.4	131.6	190.6
December	195.1	157.7	226.4	167.5	147.9	104.3	126.6	170.0	140.0	114.7	116.6	141.0	194.8
1929													
January	212.0	170.7	252.8	175.2	148.1	109.3	132.4	170.6	136.8	112.3	113.2	144.4	211.3
February	219.9	175.8	263.6	181.9	160.8	112.5	135.4	175.6	139.1	125.9	116.5	149.6	223.6
March	220.8	171.9	265.5	174.6	152.7	112.2	133.2	176.4	140.1	120.5	115.5	151.1	218.3
April	204.4	171.1	237.2	183.0	159.8	117.3	139.1	168.3	140.1	119.3	121.1	157.0	200.5
May	204.3	168.2	239.6	168.2	150.4	108.7	130.7	167.8	134.8	121.3	114.2	150.9	204.7
June	180.0	156.2	203.0	168.3	142.3	102.3	124.6	160.0	139.9	122.3	115.5	138.0	191.8
July	209.3	180.1	244.5	174.5	160.3	108.4	133.6	176.1	140.8	145.7	140.0	156.1	199.1
August	224.4	211.9	267.1	162.7	160.0	117.5	134.6	192.6	138.7	156.9	125.5	154.3	214.5
September	218.3	192.0	265.9	159.3	158.1	106.3	121.9	182.1	141.1	133.8	115.2	145.2	195.3
October	239.0	199.5	291.1	175.5	166.2	110.9	128.0	195.5	149.5	130.1	128.1	152.4	221.9
November	215.1	176.6	255.4	182.5	156.0	107.6	116.5	182.6	139.8	128.5	125.0	140.9	201.9
December	158.2	151.4	171.9	155.3	133.2	96.4	112.6	149.6	122.7	121.6	115.5	130.8	167.4
1930													
January	154.7	162.3	161.6	157.1	138.3	104.8	120.3	152.0	123.7	113.2	110.7	132.8	188.6
February	163.5	153.1	178.6	160.1	136.4	106.3	122.5	148.2	120.5	126.8	113.1	140.7	193.2
March	173.7	148.2	196.1	153.7	138.4	100.1	114.2	153.0	122.6	118.0	107.2	144.2	193.7
April	172.2	157.2	191.6	143.5	140.3	112.0	119.3	157.5	125.0	117.9	111.5	144.3	191.6
May													
June													
July													

[1] Compiled from data collected by the *Federal Reserve Board*, this table supplements similar data published in Nos. 26, 35, 56, 62, 67, 75, and 87 of this publication. The district total table represents the data of 141 identical centers.

[2] Greenville, S. C., substituted for Charleston, S. C., since May, 1928.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS

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 latest semiannual number (February, 1930), in which monthly figures for 1929 and 1930 may be found, together with explanations as to the sources and exact extent of the figures quoted. The figures given below should always be read in connection with those explanations. Data on stocks, unfilled orders, etc., are given as of the end of the month referred to. For explanations or relative numbers, including base periods, see introduction on inside front cover.

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
TEXTILES												
Wool												
Receipts at Boston:												
Total ... thous. of lbs.	15,272	15,828	12,163	14,986	17,163	23,189	15,390	+14.5	+11.5	75,454	60,143	−20.3
Domestic ... thous. of lbs.	9,344	6,500	5,012	5,628	8,501	5,738	6,442	+51.0	+32.0	18,548	25,641	+38.2
Foreign ... thous. of lbs.	5,928	9,328	7,154	9,358	8,662	17,451	8,948	−7.4	−3.2	56,906	34,502	−39.4
Imports:												
In condition imported ... thous. of lbs.	20,246	26,464	18,498	20,049	17,816	32,743	28,165	−11.1	−36.7	130,829	82,827	−36.7
Grease equivalent ... thous. of lbs.	24,565	29,423	20,221	21,463	19,384	37,682	30,941	−9.7	−37.4	144,844	90,491	−37.5
Consumption by textile mills, grease equivalent ... thous. of lbs.	37,802	43,627	38,330	37,195	36,794	47,955	49,205	−1.1	−25.2	199,184	155,946	−21.7
Stocks, grease equivalent, end of quarter:												
Total ... thous of lbs.	[2] 317,978			[2] 249,564		[2] 279,211		−21.5	−10.6			
Held by manufacturers ... thous. of lbs.	[2] 147,434			[2] 145,458		[2] 161,139		−1.3	−9.7			
Held by dealers ... thous of lbs.	[2] 170,545			[2] 104,106		[2] 118,072		−39.0	−11.8			
Machinery activity, hourly:												
Looms—												
Wide ... per ct. of hours active	54	53	52	46	45	67	70	−2.2	−35.7			
Narrow ... per ct. of hours active	53	50	41	39	41	60	64	+5.1	−35.9			
Carpet and rug ... per ct. of hours active	55	51	51	49	49	69	70	0.0	−30.0			
Sets of cards ... per ct. of hours active	63	63	65	61	61	86	87	0.0	−29.9			
Combs ... per ct. of hours active	72	79	86	64	60	82	81	−6.2	−25.9			
Spinning spindles—												
Woolen ... per ct. of hours active	61	62	61	58	58	83	84	0.0	−31.0			
Worsted ... per ct. of hours active	57	55	59	50	43	68	70	−14.0	−38.6			
Prices:												
Raw, territory, fine, scoured ... dolls. per lb.	.84	.81	.79	.77	.76	1.05	1.04	−1.3	−26.9			
Raw, Ohio and Pa. fleeces, ¼ blood, combing, grease ... dolls. per lb.	.41	.38	.36	.33	.31	.52	.49	−6.1	−36.7			
Worsted, yarn ... dolls. per lb.	1.40	1.38	1.35	1.30	1.25	1.58	1.55	−3.8	−19.4			
Women's dress goods, French serge, 39-in. ... dolls. per yd.	.98	.98	.98	.93	.90	.98	.98	−3.2	−8.2			
Suiting, 13-oz ... dolls. per yd.	1.901	1.838	1.800	1.756	1.756	2.008	2.008	0.0	−12.5			
Cotton												
Receipts into sight ... thous. of bales	2,105	840	417	466	457	743	559	−1.9	−18.2	3,066	2,180	−28.9
Imports, unmanufactured ... bales	36,190	51,474	23,643	28,279	67,397	37,124	84,621	+138.3	−20.4	216,309	170,793	−21.0
Exports, unmanufactured (excl. linters) ... bales	910,321	728,737	402,074	477,678	349,762	555,986	447,838	−26.8	−21.9	2,405,813	1,958,251	−18.6
Consumption by textile mills ... bales	453,892	577,235	495,204	508,576	532,382	631,669	631,802	+[illegible].7	−15.7	2,526,477	2,113,397	−16.4
Stocks, domestic, end of month:												
Totals, mills and w'houses ... thous. of bales	7,759	7,237	6,670	5,952	5,304	4,907	4,131	−10.9	+28.4			
Mills ... thous. of bales	1,844	1,830	1,812	1,763	1,667	1,730	1,606	−5.4	+3.8			
Warehouses ... thous. of bales	5,915	5,407	4,859	4,189	3,636	3,177	2,525	−13.2	+44.0			
Stocks, world visible, end of month:												
Total ... thous. of bales	8,098	8,059	7,854	7,339	6,659	6,749	6,053	−9.5	+10.0			
American ... thous. of bales	5,960	5,576	5,150	4,612	3,975	4,469	3,680	−13.8	+8.0			
Machinery activity of spindles:												
Active spindles ... thousands	29,070	29,198	28,927	28,898	28,860	31,103	30,911	−0.1	−6.6			
Total activity ... millions of hours	6,770	8,173	7,091	7,350	7,503	8,911	8,861	+2.1	−15.3			
Activity per spindle ... hours	196	236	205	214	219	252	251	+2.3	−12.7			
Ratio to capacity ... per cent	88.2	100.3	97.7	92.8	96.3	109.4	110.3	+3.8	−12.7			
Prices:												
To producer ... dolls. per lb.	.160	.158	.148	.138	.147	.188	.185	+6.5	−20.5			
In New York, middling ... dolls. per lb.	.173	.173	.157	.151	.163	.212	.201	+7.9	−18.9			
Cotton Yarn												
Carded sales yarn:												
Production ... thous. of lbs.	13,364	17,571	13,086	13,707	15,485	23,373	18,269	+13.0	−15.2	78,671	59,849	−23.9
Stocks, end of month ... thous. of lbs.	9,865	10,773	11,775	12,487	13,116	8,328	8,446	+5.0	+55.3			
Unfilled orders, end of month ... thous. of lbs.	35,776	35,056	36,165	39,072	34,457	43,476	40,345	−11.8	−14.6			
Prices:												
22/1 cones, Boston ... dolls. per lb.	.340	.323	.310	.297	.302	.377	.362	+1.7	−16.6			
40/1s, southern spinning ... dolls. per lb.	.494	.500	.486	.477	.480	.527	.510	+0.6	−5.9			
Cotton Goods												
Cotton textiles:												
Production ... thous. of yds.	243,735	323,287	266,849	261,403	257,243	297,994	283,878	−1.6	−9.4	1,217,551	1,108,782	−8.9
New orders ... thous. of yds.	302,934	292,034	243,861	292,249	223,225	358,333	202,520	−23.6	+10.2	1,218,640	1,051,369	−13.7
Shipments ... thous. of yds.	214,148	331,481	274,543	265,675	253,360	325,633	277,098	−4.6	−8.6	1,257,203	1,125,059	−10.5
Stocks, end of month ... thous. of yds.	461,013	452,819	445,125	440,853	444,736	345,311	352,091	+0.9	+26.3			
Unfilled orders, end of mo. ... thous. of yds.	431,018	391,571	360,889	387,463	357,328	504,876	430,298	−7.8	−17.0			
Fine cotton goods, production ... pieces	367,706	420,190	356,334	402,322	351,580	464,539	425,925	−12.6	−17.5	1,704,136	1,530,426	−10.2
Cotton cloth:												
Imports ... thous. of sq. yds.	4,508	4,455	3,505	3,781	5,076	5,362	5,334	+34.3	−4.8	21,615	16,817	−20.5
Exports ... thous. of sq. yds.	34,657	39,153	32,045	36,171	36,821	58,474	49,233	+1.8	−25.2	214,385	144,190	−32.7
Fabric for tire manufacture:												
Consumption ... thous. of lbs.	8,677	14,559	13,767	14,656		21,238	23,620			[3] 61,344	[3] 42,982	−29.9

[2] Quarter ending in month indicated.

[3] Cumulative through Mar. 31

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
TEXTILES—Continued												
Cotton Goods—Continued												
Elastic webbing, shipments...thous. of dolls..	1,149	1,444	1,421	1,496	1,347	1,869	1,766	−10.0	−23.7	6,619	5,708	−13.8
Prices:												
Print cloth, 64 x 60.....dolls. per yd..	.069	.068	.065	.062	.061	.077	.076	−1.6	−19.7			
Sheeting, brown.....dolls. per yd..	.084	.083	.079	.078	.076	.089	.089	−2.6	−14.6			
Cotton Finishing												
White, dyed and printed (outside mills):												
Billings, finished goods.....thous. of yds..	61,816	63,457	64,271	66,246	65,364	98,495	96,707	−1.3	−32.4	358,296	259,338	−27.6
New orders, gray yardage...thous. of yds..	54,172	71,723	57,834	60,526	56,641	94,872	90,469	−6.4	−37.4	360,103	246,724	−31.5
Shipments, finished goods.....cases..	36,521	41,793	37,014	39,459	34,308	65,112	57,030	−13.1	−39.8	229,729	152,574	−33.6
Stocks, finished goods, end mo.....cases..	38,220	35,428	32,967	32,528	40,741	35,478	34,920	+25.2	+16.7			
Operating activity.....per ct. of capacity..	50	57	62	59	56	77	74	−5.1	−24.3			
Unfilled orders, end of month.....days..	3.6	4.3	4.2	4.2	2.9	6.3	6.4	−31.0	−54.7			
Printed only (mills and outside):												
Production.....thous. of yds..	57,548	60,091	60,939	72,634	72,721	92,544	88,635	+0.1	−18.0	341,745	266,385	−22.1
Stocks, end of month.....thous. of yds..	80,825	73,239	72,642	77,763	84,808	79,361	82,106	+9.1	+3.3			
Silk												
Imports, raw.....thous. of lbs..	9,164	7,346	6,644	6,103	6,047	6,476	6,220	−0.9	−2.8	28,893	26,140	−9.5
Deliveries (consumption).....bales..	44,159	57,683	49,852	50,863	41,584	49,878	53,855	−18.2	−22.8	207,310	199,982	−3.5
Stocks, end of month:												
At warehouses.....bales..	90,772	76,264	68,646	57,773	53,704	45,218	39,125	−7.0	+37.3			
At manufacturing plants.....bales..	27,017	29,100	24,591	24,728	25,280	25,892	23,108	+2.2	+9.4			
Silk machinery activity:												
Broad looms.....per cent of normal..	98.3	105.6	109.7	111.1	101.3	100.2	101.1	−8.8	+0.2			
Narrow looms.....per cent of normal..	54.1	59.6	56.2	57.7	57.2	66.3	68.8	−0.9	−16.9			
Spinning spindles.....per cent of normal..	64.5	67.0	69.3	69.2	68.8	66.3	66.9	−0.6	+2.8			
Prices:												
Raw, Japanese, 13-15, N. Y.dolls. per lb..	4.580	4.630	4.433	4.531	4.186	4.998	5.145	−7.6	−18.6			
Silk goods, composite.....dolls. per yd..	1.18	1.17	1.17	1.16	1.14	1.19	1.18	−1.7	−3.4			
Rayon												
Imports.....thous. of lbs..	1,162	1,159	954	928	901	1,901	1,683	−2.9	−46.5	6,558	3,942	−39.9
Stocks, bonded, end of month...thous. of lbs..	3,082	3,087	3,061	3,093		2,863	2,736					
Price, 150 denier, A grade, N. Y.dolls. per lb..	1.15	1.15	1.15	1.15	1.15	1.30	1.30	0.0	−11.5			
Clothing												
Men's and boys' garments cut:												
Suits.....thous. of garments..	2,091	2,522	2,336	2,294		2,932	2,304			[3] 8,743	[3] 7,152	−18.2
Separate trousers.....thous. of garments..	1,810	2,293	2,179	2,363		2,669	2,670			[3] 7,644	[3] 6,835	−10.6
Overcoats.....thous. of garments..	290	307	335	352		475	296			[3] 1,373	[3] 994	−27.6
Overalls:												
Cut.....thous. of dozen garments..	246	319	321	326		377	361			[3] 1,050	[3] 966	−8.0
Net shipments.thous. of dozen garments..	226	289	304	297		352	315			[3] 939	[3] 890	−5.2
Unfilled orders, end of mo....thous. of dozen garments..	112	147	117	116		194	189					
Hosiery:												
Production.....thous. of dozen pairs..	3,054	3,474	[4] 3,189	2,943		3,753	3,651			[3] 10,570	[3] 9,606	−9.1
Net shipments.....thous. of dozen pairs..	3,063	2,742	[4] 2,711	2,727		3,722	3,507			[3] 10,039	[3] 8,180	−18.5
Stocks, end of month.thous. of dozen pairs..	7,648	8,308	[4] 8,814	8,623		8,215	8,022					
New orders.....thous. of dozen pairs..	2,848	2,662	[4] 2,598	2,587		3,789	3,991			[3] 10,062	[3] 7,847	−22.0
Unfilled orders, end of month.....thous. of dozen pairs..	3,327	3,035	[4] 2,852	2,577		4,269	4,680					
Knit underwear:												
Production.....thous. of dozen garments..	1,020	1,109	[4] 1,128	1,192	1,139	1,251	1,274	−4.4	−10.6	4,651	4,568	−1.8
Net shipments.thous. of dozen garments..	991	944	[4] 981	1,044	997	1,166	1,112	−4.5	−10.3	4,221	3,966	−6.0
Stocks, end of month.....thous. of dozen garments..	1,345	1,436	[4] 1,530	1,590	1,728	1,368	1,523	+8.7	+23.5			
New orders.....thous. of dozen garments..	893	1,199	[4] 1,041	1,036	897	1,330	1,071	−13.4	−16.2	5,204	4,173	−19.8
Unfilled orders, end of month.thous. of dozen garments..	1,383	1,632	1,677	1,658	1,545	2,501	2,444	−6.8	−36.8			
Burlaps and Fibers												
Imports:												
Burlaps.....thous. of lbs..	45,738	73,098	71,053	52,854	54,863	52,550	69,787	+3.8	−21.4	241,181	251,868	+4.4
Fibers (unmanufactured).....long tons..	24,950	30,262	23,640	33,312	23,126	26,655	30,389	−30.6	−23.9	134,677	110,340	−18.1
Pyroxylin-Coated Textiles												
Pyroxylin spread.....thous. of lbs..	2,460	3,098	3,093	[1] 3,474	4,033	6,629	5,554	+16.1	−27.4	23,645	13,698	−42.1
Shipments billed.....thous. of linear yards..	2,050	2,786	2,708	3,111	3,261	5,638	4,822	+4.8	−32.4	19,366	11,866	−38.7
Unfilled orders, end of month.....thous. of linear yards..	1,747	2,373	2,404	2,332	2,421	4,302	4,061	+3.8	−40.4			
Fur												
Sales by dealers.....thous. of dollars..	2,262	2,968	7,667	8,327		21,228	12,994			[3] 45,573	[3] 18,962	−58.4
Buttons												
Fresh-water pearl buttons:												
Production.....ratio to capacity..	48.7	42.3	49.3	48.3	47.1	52.9	52.6	−2.5	−10.5			
Stocks, end of month.....thous. of gross..	10,694	9,700	9,698	9,838	9,878	11,034	11,114	+0.4	−11.1			
Imports:												
Buttons—												
Product of Philippines.thous. of gross..	64	64	71	63	59	46	66	−6.3	−10.6	212	257	+21.2
All other.....thous. of gross..	17	261	5	5	6	4	14	+20.0	−57.1	214	277	+29.4
Shells—												
Mother of pearl.....thous. of pounds..	1,225	866	443	531	171	526	649	−67.8	−73.7	2,197	2,011	−8.5
All other.....thous. of pounds..	124	32	516	69	104	35	40	+50.7	+160.0	598	721	+20.6
Taqua nuts.....thous. of pounds..	1,667	1,149	477	1,186	1,607	1,921	2,390	+35.5	−32.8	9,778	4,419	−54.8

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
IRON AND STEEL												
Iron												
Manganese ore, imports...thous. of long tons..	15	38	22	30	26	18	31	−13.3	−16.1	85	116	+36.5
Iron ore:												
Imports...thous. of long tons..	286	293	203	301	313	244	284	+4.0	+10.2	949	1,110	+17.0
Consumption...thous. of long tons..	4,076	4,101	4,062	4,628	4,576	5,465	5,417	−1.1	−15.5	20,896	17,367	−16.9
Stocks, end of month:												
Total...thous. of long tons..	37,646	33,528	29,475	24,877	20,285	20,005	15,930	−18.5	+27.3			
At furnaces...thous. of long tons..	31,503	27,674	23,939	19,785	15,950	15,782	12,283	−19.4	+29.9			
On Lake Erie docks...thous. of long tons..	6,143	5,854	5,536	5,092	4,335	4,223	3,647	−14.9	+18.9			
Pig-iron production:												
Total, United States...thous. of long tons..	2,837	2,827	2,839	3,246	3,182	3,714	3,663	−2.0	−13.1	14,026	12,094	−13.8
Merchant furnaces...thous. of long tons..	724	613	555	645	617	755	837	−4.3	−26.3	3,090	2,430	−21.4
Canada...thous. of long tons..	83	87	71	76	72	86	79	−5.3	−8.9	347	306	−11.8
Furnaces in blast, end of month:												
Furnaces...number..	157	172	179	185	183	212	215	−1.1	−14.9			
Capacity...long tons per day..	88,250	96,370	102,250	106,080	104,770	120,740	122,980	−1.2	−14.8			
Ohio gray-iron foundries:												
Meltings—												
Actual...long tons..	13,782	15,419	16,012	15,778	20,101	20,662	23,703	+27.4	−15.2	87,112	67,310	−22.7
Normal...long tons..	18,726	18,693	17,751	16,633	20,188	18,985	20,949	+21.4	−3.6	81,139	73,265	−9.7
Ratio to normal...per cent of normal..	73.5	82.4	90.2	94.8	99.0	108.8	113.1	+4.4	−12.5			
Stocks, end of month...per cent of normal..	118	129	145	126	125	133	122	−0.8	+2.5			
Receipts...per cent of normal..	73	88	101	87	96	107	102	+10.4	−5.9			
Malleable castings:												
Production...short tons..	46,029	61,381	[4] 65,942	[4] 62,733	59,837	83,365	[4] 83,744	−4.6	−28.5	314,109	249,893	+20.4
Operating activity...per ct. of capacity..	47.3	61.6	[4] 67.4	[4] 63.9	60.9	87.7	[4] 88.1	−4.7	−30.9			
Shipments...short tons..	47,689	57,820	[4] 59,971	[4] 64,108	58,854	81,063	[4] 80,968	−8.2	−27.3	310,355	240,753	−22.4
New orders...short tons..	43,475	58,009	[4] 61,606	[4] 59,690	52,369	86,744	[4] 80,777	−12.3	−35.2	322,284	231,674	−28.1
Wholesale prices:												
Foundry, No. 2, northern...dolls. per long ton..	20.26	20.26	20.26	20.26	20.26	19.51	19.76	0.0	+2.5			
Basic (valley furnace)...dolls. per long ton..	18.50	18.50	18.50	18.50	18.50	17.50	17.90	0.0	+3.4			
Composite pig iron...dolls. per long ton..	19.10	19.08	18.99	18.77	18.75	19.11	19.25	−0.1	−2.6			
Cast-iron Boilers and Radiators												
Round boilers:												
Production...thous. of lbs..	8,972	10,356	10,659	9,858	9,934	12,248	10,184	+0.8	−2.5	46,168	40,807	−11.6
Shipments...thous. of lbs..	10,453	7,304	5,516	4,935	5,853	7,208	8,603	+18.6	−32.0	33,092	23,608	−28.7
New orders...thous. of lbs..	9,184	6,366	5,158	4,805	4,988	6,151	7,920	+3.8	−37.0	29,366	21,317	−27.4
Stocks, end of month...thous. of lbs..	65,855	67,836	73,404	78,787	76,232	86,526	87,971	−3.2	−13.3			
Square boilers:												
Production...thous. of lbs..	17,398	20,033	21,355	21,008	21,988	28,429	20,014	+4.7	+9.9	113,012	84,384	−25.3
Shipments...thous. of lbs..	20,010	13,836	10,191	8,854	9,433	11,476	12,264	+6.5	−23.1	55,897	42,314	−24.3
New orders...thous. of lbs..	17,972	13,345	10,415	10,163	8,923	11,844	13,616	−12.2	−34.5	54,437	42,846	−21.3
Stocks, end of month...thous. of lbs..	126,800	132,837	143,638	155,335	173,605	170,212	177,755	+11.8	−2.3			
Radiators:												
Production...thous. sq. ft. heating surface..	6,821	9,253	9,222	8,518	7,898	13,182	10,653	−7.3	−25.9	52,701	34,891	−33.8
Shipments...thous. sq. ft. heating surface..	9,905	6,047	4,433	3,912	4,259	6,116	6,443	+8.9	−33.9	29,282	18,651	−36.3
New orders...thous. sq. ft. heating surface..	8,681	6,276	4,845	5,085	4,411	6,062	8,238	−13.3	−46.5	30,613	20,617	−32.7
Stocks, end of month...thous. sq. ft. heating surface..	46,371	49,717	54,589	59,064	62,747	66,903	71,284	+6.2	−12.0			
Gas-fired boilers:												
Shipments...dollars..	188,063	118,418	111,401	175,912	323,434	239,879	262,914	+83.9	+23.0	747,859	729,165	−2.5
Shipments...thous. B. t. u..	164,635	100,030	91,644	151,380	259,442	171,048	202,358	+71.4	+28.2	562,757	602,496	+7.1
Production...thous. B. t. u..	87,949	215,939	188,190	182,837	169,086	177,375	350,409	−7.5	−51.7	916,629	756,052	−17.5
Stocks, end of month...thous. B. t. u..	702,144	845,210	917,929	856,070	715,889	825,707	916,004	−16.4	−21.8			
Crude Steel												
Steel ingots, production:												
United States, total...thous. of long tons..	2,896	3,786	4,068	4,289	4,143	5,058	4,938	−3.4	−16.1	18,812	16,286	−13.4
Ratio to capacity...per cent..	59	72	86	84	81	99	97	−3.6	−16.5			
Canada...thous. of long tons..	82	115	107	117	103	137	122	−12.0	−15.6	492	442	−10.2
U. S. Steel Corporation:												
Unfilled orders, end of month...thous. of long tons..	4,417	4,469	4,480	4,571	4,354	4,411	4,428	−4.7	−1.7			
Earnings...thous. of dolls..	15,952	15,404	16,108	18,104		22,265	22,362			[3] 60,105	[3] 49,616	−17.5
Steel castings:												
Production—												
Total...short tons..	106,569	109,296	107,897	[4] 113,737	110,999	115,163	121,941	−2.4	−9.0	428,085	441,929	+3.2
Ratio to capacity...per cent..	73	76	75	79	77	79	84	−2.5	−8.3			
Railroad specialties...short tons..	34,667	48,292	44,652	[4] 47,813	45,778	49,562	53,458	−4.3	−14.4	178,991	186,535	+4.2
Miscellaneous...short tons..	71,902	61,004	63,245	[4] 65,924	65,221	65,601	68,483	−1.1	−4.8	249,094	255,394	+2.5
New orders—												
Total...short tons..	90,287	101,728	114,727	[4] 122,658	93,208	130,836	144,616	−24.0	−35.5	515,404	432,321	−16.1
Ratio to capacity...per cent..	62	70	80	85	65	90	99	−23.5	−34.3			
Railroad specialties...short tons..	33,980	42,502	55,310	[4] 54,063	35,530	60,743	75,625	−34.3	−53.0	260,080	187,405	−27.9
Miscellaneous...short tons..	56,307	59,226	59,417	[4] 68,595	57,678	70,093	68,991	−15.9	−16.4	255,324	244,916	−4.1
Sheets, black, blue, galvanized, and full finished:												
Production—												
Total...net tons..	181,916	291,529	275,952	259,658	308,988	364,202	375,256	+19.0	−17.7	1,457,330	1,136,127	−22.0
Ratio to capacity...per cent..	60.0	77.6	83.9	73.7	84.0	115.2	115.2	+14.0	−27.1			
Stocks, end of month—												
Total...net tons..	173,619	191,532	201,609	192,317	208,374	189,050	175,306	+8.3	+18.9			
Unsold...net tons..	72,611	73,948	75,771	75,847	81,671	63,397	54,142	+7.7	+50.8			
Shipments...net tons..	17,575	241,677	241,441	275,235	291,601	363,648	377,274	+5.9	−22.7	1,428,999	1,049,954	−26.5
New orders...net tons..	234,599	382,122	203,315	299,764	300,086	464,297	398,206	+0.1	−24.6	1,690,389	1,185,287	−29.9
Unfilled orders, end of month...net tons..	443,127	558,412	517,215	524,230	526,827	791,615	835,801	+0.5	−37.0			
Wholesale prices:												
Steel billets, Bessemer...dolls. per long ton..	34.60	34.00	33.00	33.00	33.00	34.00	34.80	0.0	−5.2			
Iron and steel comp...dolls. per long ton..	35.95	35.64	35.24	35.01	34.48	36.37	36.81	−1.5	−6.3			
Structural steel beams...dolls. per 100 lbs..	1.90	1.90	1.80	1.80	1.80	1.90	1.90	0.0	−5.3			
Composite finished steel...dolls. per 100 lbs..	2.50	2.46	2.43	2.43	2.39	2.55	2.56	−1.6	−6.6			

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
IRON AND STEEL—Continued												
Fabricated Steel Products												
Steel barrels:												
Production ... barrels	624,365	[4] 650,764	[4] 648,709	[4] 842,186	769,061	742,165	771,584	−8.7	−0.3	2,639,639	2,910,720	+10.3
Ratio to capacity ... per cent	54.7	[4] 49.2	[4] 45.7	[4] 58.0	57.4	61.0	64.8	−1.0	−11.4			
Shipments ... barrels	618,003	[4] 643,120	[4] 643,324	[4] 846,451	766,617	743,407	775,481	−9.4	−1.1	2,631,001	2,899,512	+10.2
Stocks, end of month ... barrels	66,883	74,527	79,912	65,647	68,091	59,000	55,103	+3.7	+23.6			
Unfilled orders, end of month ... barrels	1,340,028	1,696,286	1,592,982	1,897,913	1,691,461	1,470,258	1,269,044	−10.9	+33.3			
Track work, production ... short tons	10,826	11,830	12,524	13,096	13,508	14,927	16,815	+3.1	−19.7	54,266	50,958	−6.1
Iron, steel, and heavy hardware sales ... rel. to Jan., 1921	169	160	149	177		217	226					
Lock washers, shipments ... thous. of dolls	175	287	295	315	310	353	370	−1.6	−16.2	1,330	1,207	−9.2
Steel plate, fabricated, new orders:												
Total ... short tons	23,535	50,076	28,332	[4] 38,051	36,640	57,628	42,063	−3.7	−12.9	191,180	153,099	−19.9
Ratio to capacity ... per cent	30	64	36	[4] 48	47	72	53	−2.1	−11.3			
Oil storage tanks ... short tons	3,669	7,432	7,865	[4] 6,593	7,509	21,951	9,984	+13.9	−24.8	59,083	29,399	−50.2
Steel bars, cold finished, shipments ... short tons	23,705	35,845	37,745	36,487	38,557	62,179	60,486	+5.7	−36.3	225,875	148,634	−34.2
Steel boilers, new orders:												
Quantity ... number	1,029	942	[4] 873	972	1,017	1,466	1,706	+4.6	−40.4	5,289	3,804	−28.1
Area ... thous. of sq. ft	880	1,082	[4] 939	1,262	1,070	1,558	1,769	−15.2	−39.5	5,775	4,353	−24.6
Iron and steel:												
Exports ... long tons	215,242	225,090	197,426	238,333	208,640	270,925	277,580	−12.5	−24.8	1,082,512	869,489	−19.7
Imports ... long tons	39,022	34,710	35,830	49,284	45,358	39,888	43,936	−8.0	+3.2	174,730	165,182	−5.5
Machinery												
Water-softening apparatus, shipments ... units	831	1,240	1,141	1,391	1,554	1,510	1,604	+11.7	−3.1	5,700	5,326	−6.6
Water systems, shipments ... units	7,237	8,307	7,881	8,930	10,104	9,322	11,030	+13.1	−8.4	34,737	35,222	+1.4
Pumps:												
Domestic shipments—												
Pitcher, hand, etc ... units	37,849	44,389	49,127	[4] 42,936	35,986	48,081	44,922	−16.2	−19.9	191,861	172,438	−10.1
Power, horizontal type ... units	1,601	1,449	1,965	[4] 2,562	2,396	1,988	2,841	−6.5	−15.7	9,179	8,372	−8.8
Steam, power, and centrifugal—												
New orders ... thous. of dolls	1,580	1,437	1,362	1,465	1,467	1,878	2,175	+0.1	−32.6	7,180	5,731	−20.2
Shipments ... thous. of dolls	1,763	1,330	1,410	1,483	1,558	1,608	1,740	+5.1	−10.5	6,407	5,781	−9.8
Unfilled orders, end mo. thous. of dolls	3,787	3,842	3,794	3,825	3,722	3,912	4,343	−2.7	−14.3			
Foundry equipment:												
New orders ... rel. to 1922–24	208.0	160.1	196.4	164.1	122.8	209.4	172.6	−25.2	−28.9			
Shipments ... rel. to 1922–24	201.9	223.6	169.6	194.5	274.8	197.5	220.3	+41.3	+24.7			
Unfilled orders, end mo ... rel. to 1922–24	473.2	395.6	424.7	411.1	244.1	414.4	363.4	−40.6	−32.8			
Stokers, mechanical, sales:												
Quantity ... number	79	53	73	85	102	117	141	+20.0	−27.7	435	313	−28.0
Power ... horsepower	44,976	13,198	22,648	27,951	34,790	42,432	48,749	+24.5	−28.6	165,127	98,587	−40.4
Machine tools:												
New orders ... rel. to 1922–24	166	182	170	181	179	334	320	−1.1	−44.1			
Shipments ... rel. to 1922–24	243	183	214	227	234	329	311	+3.1	−24.8			
Unfilled orders, end of mo ... rel. to 1922–24	561	565	541	454	407	687	718	−10.4	−43.3			
Electric hoists:												
New orders—												
Quantity ... number	392	369	387	402	432	595	508	−7.5	−15.0	2,386	1,590	−33.4
Value ... dollars	227,897	194,832	184,502	200,167	220,132	285,465	246,673	+10.0	−10.8	1,132,142	799,633	−29.4
Shipments ... dollars	198,500	220,678	222,107	232,968	206,013	247,348	232,483	−11.6	−11.4	894,898	881,766	−1.5
Electric overhead cranes:												
Shipments ... thous. of dolls	1,380	977	773	1,059	825	773	748	−22.1	+10.3	2,959	3,634	+22.8
New orders ... thous. of dolls	734	406	832	851	882	1,919	1,194	+3.6	−26.1	5,669	2,971	−47.6
Unfilled orders, end mo ... thous. of dolls	4,429	3,765	3,836	3,525	3,739	4,300	4,587	+6.1	−18.5			
Woodworking machinery:												
New orders ... thous. of dolls	1,013	1,111	1,120	950	716	1,850	1,718	−24.6	−58.3	7,410	3,897	−47.4
Cancellations ... thous. of dolls	20	12	64	46	31	29	30	−32.6	+3.3	166	153	−7.8
Unfilled orders, end of mo. thous. of dolls	1,208	1,347	1,488	1,101	763	2,839	582	−30.7	−70.4			
Shipments ... thous. of dolls	1,074	967	934	1,290	1,026	1,560	2,130	−20.5	−51.8	6,600	4,217	−36.1
Shipments ... number of machines	754	759	536	833	603	1,179	1,420	−27.6	−57.5	4,600	2,731	−40.6
Electric industrial trucks and tractors:												
Shipments, domestic—												
Total ... number of vehicles	124	123	106	109	101	201	182	−7.3	−44.2	646	439	−32.0
Exports ... number of vehicles	27	17	7	14	5	10	13	−64.3	−61.5	45	43	−4.4
Fire-extinguishment, shipments:												
Motor vehicles ... number	127	91	82	94	92	107	108	−2.1	−14.8	381	359	−5.8
Hand types ... number	34,330	43,651	47,096	44,168	57,983	55,303	58,696	+31.3	−1.2	206,983	192,898	−6.8
Oil burners:												
Shipments, total ... number of burners	4,780	3,469	2,954	[4] 3,376	3,923	4,137	3,903	+16.2	+0.5	14,190	13,722	−3.3
Stocks, end of mo ... number of burners	5,938	5,445	[4] 6,349	[4] 6,568	6,386	4,898	5,880	−2.8	+8.6			
New orders ... number of burners	3,933	3,481	3,479	[4] 3,182	3,718	4,510	4,596	+16.8	−19.1	15,815	13,860	−12.4
Unfilled orders, end of mo ... number of burners	919	931	1,456	[4] 1,262	1,057	1,783	2,476	−16.2	−57.3			
Patents issued:												
Total, all classes ... number	4,634	3,163	3,592	3,349	4,645	3,357	4,267	+38.7	+8.9	14,586	14,749	+1.1
Agricultural implements ... number	49	40	38	56	60	42	62	+7.1	−3.2	192	194	+1.0
Internal-combustion engines ... number	62	42	57	81	73	50	54	−9.9	+35.2	203	253	+24.6
NONFERROUS METALS												
Copper												
Production:												
Mines ... short tons	74,772	67,838	59,196	61,216	60,338	93,698	94,902	−1.4	−3.64	359,660	248,588	−30.9
Smelter ... short tons	89,789	84,451	74,094	78,514	76,777	107,253	110,313	−2.2	−30.4	413,951	313,836	−24.2
Refined (N. and S. America) ... short tons	138,203	132,374	121,195	127,064	124,531	163,561	161,285	−2.0	−22.8	620,703	505,164	−18.6
World production, blister ... short tons	165,728	154,331	139,629	148,005	143,798	192,792	196,820	−2.8	−26.9	735,485	585,763	−20.4
Domestic shipments, refined ... short tons	58,150	69,932	61,879	73,644	50,017	105,860	99,051	−32.1	−49.5	403,817	255,472	−36.7
Exports ... short tons	28,807	24,808	24,427	20,034	24,796	43,745	45,842	+23.8	−45.9	192,006	94,065	−51.0
Stocks (N. and S. America), end of mo.:												
Refined ... short tons	171,320	203,404	233,123	256,020	301,338	52,968	57,494	+17.7	+424.1			
Blister ... short tons	268,406	270,209	264,249	266,561	268,675	242,341	253,509	+0.8	+6.0			
Wholesale price, electrolytic ... dolls. per lb	.1778	.1778	.1778	.1778	.1562	.2126	.1950	−12.1	−19.9			

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
NONFERROUS METALS—Continued												
Tin												
Deliveries (consumption) ... long tons	5,740	5,815	4,940	8,675	6,780	8,175	8,435	−21.8	−19.6	32,155	26,210	−18.5
Stocks, end of month:												
World visible supply ... long tons	28,140	29,032	33,581	32,972	36,595	26,632	26,353	+11.0	+38.9			
United States ... long tons	2,820	3,081	3,626	3,566	5,687	2,550	3,603	+59.5	+57.8			
Imports ... long tons	5,253	7,079	5,460	8,589	8,209	7,435	8,838	−4.4	−7.1	33,096	29,337	−11.4
Wholesale price, Straits, N. Y. ... dolls. per lb	.3979	.3891	.3867	.3681	.3607	.4885	.4597	−2.0	−21.5			
Zinc												
Retorts in operations, end of month ... number	57,375	58,849	57,289	50,412	49,150	67,519	73,319	−2.5	−33.0			
Production ... short tons	48,590	51,133	44,924	47,573	43,080	55,471	54,653	−9.4	−21.2	207,987	186,710	−10.2
Stocks, end of month ... short tons	77,262	87,933	90,703	94,033	96,453	37,962	34,588	+2.6	+178.9			
Ore, Joplin district:												
Shipments ... short tons	39,641	38,031	35,095	51,611	27,214	72,206	54,821	−47.3	−50.4	226,652	151,951	−33.0
Stocks, mines, end of month ... short tons	47,637	29,313	25,531	21,950	28,486	20,969	26,448	+29.8	+7.7			
Price, slab, prime western ... dolls. per lb	.0567	.0523	.0518	.0493	.0484	.0646	.0666	−1.8	−27.3			
Lead												
Production ... short tons	55,025	48,308	51,362	[4] 56,541	52,074	59,298	62,476	−7.9	−16.6	228,635	208,285	−8.9
Ore shipments:												
Joplin district ... short tons	6,434	2,847	3,477	6,770	2,450	13,329	11,615	−63.8	−78.9	39,970	15,544	−61.1
Utah ... short tons	76,421	87,569	69,489	66,473	64,966	101,763	75,935	−2.3	−14.4	320,392	288,497	−10.0
Receipts in U. S. Ore ... short tons	53,286	47,862	49,009	57,441		57,197	57,449			[3] 162,032	[3] 154,312	−4.8
Stocks, U. S. and Mexico, end mo. short tons	151,586	149,403	140,845	144,414		158,149	156,888					
Price, pig, desilverized, N. Y. ... dolls. per lb	.0625	.0625	.0624	.0566	.0543	.0745	.0719	−4.1	−24.5			
Other Metal Products												
Babbitt metal, consumption:												
Total apparent ... thous. of lbs	3,343	4,408	3,427	5,052	3,868	6,466	6,046	−23.4	−36.0	24,325	16,755	−31.1
Direct by producers ... thous. of lbs	949	1,003	901	1,012	1,030	1,346	1,189	+1.8	−13.4	4,777	3,946	−17.4
Sale to consumers ... thous. of lbs	2,394	3,405	2,526	4,039	2,839	5,120	4,857	−29.7	−41.5	19,549	12,809	−34.5
Copper wire cloth:												
Production ... thous. of sq. ft	437	486	423	421	418	473	509	−0.7	−17.9	1,854	1,748	−5.7
Shipments ... thous. of sq. ft	377	437	351	395	395	439	441	0.0	−10.4	1,597	1,578	−1.2
Stocks, end of month ... thous. of sq. ft	1,021	1,051	1,099	1,108	1,130	1,085	1,137	+2.0	−0.6			
New orders ... thous. of sq. ft	336	435	423	342	453	1,172	247	+32.5	+83.4	2,205	1,653	−25.0
Unfilled orders, end of mo. thous. of sq. ft	402	246	303	243	220	789	497	−9.5	−55.7			
Make and hold orders, end of month ... thous. of sq. ft	546	485	561	564	555	743	689	−1.6	−19.4			
Pails and tubs, galvanized:												
Production ... dozens	112,962	145,588	119,739	135,178	131,015	211,252	165,155	−3.1	−20.7	678,532	531,520	−21.7
Shipments ... dozens	107,733	154,731	129,853	135,602	120,552	211,516	171,722	−11.1	−29.8	719,796	540,738	−24.9
Other galvanized ware:												
Production ... dozens	33,114	33,982	35,121	37,963	44,058	50,055	55,778	+16.1	−21.0	206,953	151,124	−27.0
Shipments ... dozens	25,441	29,165	31,536	38,160	44,276	49,549	55,632	+16.0	−20.4	185,406	143,137	−22.8
Enameled sheet-metal ware:												
Shipments ... dozen pieces	391,523	332,146	331,915	341,372	318,431	449,425	463,577	−6.7	−31.3	1,731,450	1,323,864	−23.5
Electrical Equipment												
Electrical porcelain, shipments:												
Standard ... dollars	58,354	135,413	87,952	69,511		105,716	109,558			[3] 349,328	[3] 292,876	−16.2
Special ... dollars	121,308	127,830	116,754	136,901		185,908	148,280			[3] 458,232	[3] 381,485	−16.7
Glazed nail knobs ... thous. of pieces	1,750	4,454	2,701	3,146		3,683	3,821			[3] 11,797	[3] 10,301	−12.7
Unglazed nail knobs ... thous. of pieces	1,186	2,309	1,863	1,232		2,576	2,458			[3] 7,585	[3] 5,404	−28.8
Tubes ... thous. of pieces	717	1,627	1,291	1,093		1,380	1,345			[3] 4,759	[3] 4,011	−15.7
Laminated phenolic products, shipments ... dollars	617,565	819,629	773,205	959,513	910,651	1,299,437	1,409,532	−5.1	−35.4	5,329,367	3,462,998	−35.0
Motors (direct current):												
New orders ... dollars	999,790	910,301	878,612	833,183		942,665	1,258,364			[3] 2,691,934	[3] 2,622,096	−2.6
Billings (shipments) ... dollars	907,048	800,654	755,074	942,556		703,848	922,220			[3] 2,207,996	[3] 2,498,284	+13.1
Power switching equipment, new orders:												
Indoor ... dollars	146,189	159,869	135,513	155,095		162,578	200,564			[3] 445,954	[3] 450,477	+1.0
Outdoor ... dollars	364,769	464,069	346,035	465,117		521,874	400,397			[3] 1,217,606	[3] 1,275,221	+4.7
Outlet boxes and covers, shipments ... pieces	1,465,610	2,448,375	1,921,846	1,949,055	2,217,558	2,688,191	3,005,179	+13.8	−26.2	11,136,056	8,536,834	−23.3
Vulcanized fiber:												
Shipments, total ... thous. of dolls	599	723	613	614		828	812			[3] 2,354	[3] 1,950	−17.2
Consumption ... thous. of lbs	2,576	2,770	2,492	2,405		3,006	3,144			[3] 9,511	[3] 7,667	−19.4
Industrial reflectors, sales ... units	132,476	130,369	106,021	108,210	107,040	134,751	126,948	−1.1	−15.7	548,036	451,640	−17.6
Welding sets, new orders:												
Single operator ... units	247	256	280	251		443	371			[3] 1,052	[3] 787	−25.2
Multiple operator ... units	9	1	5	5		7	7			[3] 22	[3] 11	−50.0
Nonmetallic conduits, shipments ... thous. of ft	4,727	6,110	4,383	8,505	7,660	6,397	6,829	−9.9	+12.2	25,749	26,658	+3.5
Electric furnaces, new orders ... kilowatts	2,991	8,630	4,015	2,620	12,458	7,218	14,542	+375.5	−14.3	44,621	27,723	−37.9
Mica, manufactured:												
Shipments ... thous. of dolls	149	227	206	199	241	335	292	+21.1	−17.5	1,201	873	−27.3
Unfilled orders, end of mo. ... thous. of dolls	224	219	230	196	178	308	332	−9.2	−46.4			
Delinquent accounts, electrical trade:												
Amount ... dollars	184,652	240,428	233,176	223,048	203,572	207,896	199,949	−8.7	+1.8			
Delinquent firms ... number	1,170	1,486	1,465	1,526	1,493	1,351	1,279	−2.2	+16.7			
AUTOMOBILES												
Production:												
United States—												
Total ... number of cars	120,007	275,507	347,071	401,382	442,630	585,455	621,910	+10.3	−28.8	2,074,820	1,466,590	−29.3
Passenger cars ... number of cars	91,011	236,279	296,595	335,789	374,606	511,577	535,878	+11.6	−30.1	1,797,063	1,243,269	−30.8
Taxicabs ... number of cars	1,483	572	1,022	1,389	565	2,079	1,686	−59.3	−66.5	7,937	3,548	−55.3
Trucks ... number of cars	27,513	38,656	49,454	64,204	67,459	71,799	84,346	+5.1	−20.0	269,820	219,773	−18.5
Canada—												
Total ... number of cars	5,495	10,388	15,548	20,730	24,257	40,621	41,901	+17.0	−42.1	135,310	70,923	−47.6
Passenger cars ... number of cars	4,426	8,856	13,021	17,165	20,872	32,833	34,392	+21.6	−39.3	109,973	59,914	−45.5
Trucks ... number of cars	1,069	1,532	2,527	3,565	3,385	7,788	7,509	−5.0	−54.9	25,337	11,009	−56.5

[3] Cumulative through Mar. 31.

[4] Revised

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
AUTOMOBILES—Continued												
Exports (assembled):												
From United States—												
Total ... number of cars	24,741	28,169	25,482	31,090	35,238	76,382	64,437	+13.3	−45.3	233,542	119,979	−48.6
Passenger cars ... number of cars	13,831	15,293	18,732	22,129	23,777	51,504	47,732	+7.4	−50.2	159,120	79,931	−49.8
Trucks ... number of cars	10,910	12,876	6,750	8,961	11,461	24,878	16,705	+27.9	−31.4	74,422	40,048	−46.2
From Canada—												
Total ... number of cars	4,866	2,953	4,237	6,308	3,272	15,528	6,586	−48.1	−50.3	41,934	16,770	−60.0
Passenger cars ... number of cars	3,015	1,317	2,498	5,029	2,304	10,194	4,164	−54.2	−44.7	27,692	11,148	−59.7
Trucks ... number of cars	1,851	1,636	1,739	1,279	968	5,334	2,422	−24.3	−60.0	14,242	5,622	−60.5
Sales (General Motors Co.):												
Total to dealers, incl. Canadian and overseas ... number of cars	40,222	106,509	126,196	135,930	150,661	220,391	227,718	+10.8	−33.8	750,837	519,296	−30.8
To consumers, U. S. ... number of cars	----------	74,167	88,742	123,781	142,004	166,942	173,201	+14.7	−18.0	524,280	428,694	−18.2
To dealers, U. S. ... number of cars	----------	94,458	110,904	118,081	132,365	176,510	176,634	+12.1	−25.1	589,807	455,808	−22.7
Accessories and parts, shipments:												
Original equipment ... rel. to Jan., 1925	34	135	141	167	175	275	287	+4.8	−39.0	----------	----------	-------
Replacement parts ... rel. to Jan., 1925	132	137	131	139	150	148	174	+7.9	−13.8	----------	----------	-------
Accessories ... rel. to Jan., 1925	90	79	66	67	74	85	91	+10.4	−18.7	----------	----------	-------
Service parts ... rel. to Jan., 1925	119	135	151	175	180	224	227	+2.9	−20.7	----------	----------	-------
Rim production ... thous. of rims	879	1,601	1,653	2,062	2,340	2,613	2,730	+13.5	−14.3	9,443	7,656	−18.9
New passenger-car registration:												
Total ... Number of cars	138,732	180,094	211,645	298,904	----------	377,802	----------	-------	-------	----------	----------	-------
FUELS												
Coal and Coke												
Bituminous:												
Production—												
United States ... thous. of short tons	46,814	49,778	39,555	35,733	35,860	39,870	37,380	+0.4	−4.1	176,606	160,966	−8.9
Canada ... thous. of short tons	1,488	1,630	1,185	1,130	----------	1,370	1,393	-------	-------	----------	----------	-------
Exports ... thous. of long tons	1,084	953	835	726	858	878	851	+18.2	+0.8	3,645	3,372	−7.5
Consumption—												
By vessels ... thous. of long tons	268	283	263	278	292	283	361	+5.0	−19.1	1,195	1,116	−6.6
By electric-power plants ... thous. of short tons	4,025	4,006	[4] 3,418	[4] 3,441	3,233	3,576	3,415	−6.0	−5.3	14,850	14,098	−5.1
By railroads ... thous. of short tons	8,011	8,210	7,117	7,376	----------	[4] 8,183	7,393	-------	-------	[3] 25,064	[3] 22,703	−9.4
By coke plants—												
United States ... thous. of short tons	6,575	6,588	6,248	6,841	6,645	7,486	7,156	−2.9	−7.1	28,256	26,322	−6.8
Canada ... thous. of short tons	317	312	281	309	----------	315	306	-------	-------	----------	----------	-------
Stocks, end of month, held by consumers ... thous. of short tons	40,300	37,700	----------	33,100	----------	[4] 36,900	----------	-------	-------	----------	----------	-------
Prices—												
Mine aver. (spot) ... dolls. per short ton	1.88	1.86	1.79	1.74	1.76	1.78	1.69	+1.1	+4.1	----------	----------	-------
Wholesale, comp. ... dolls. per short ton	3.980	3.982	3.951	3.911	3.901	4.000	3.912	−0.3	−0.3	----------	----------	-------
Retail, composite ... dolls. per short ton	9.05	9.11	9.04	9.32	8.84	9.06	8.76	−5.2	+0.9	----------	----------	-------
Anthracite:												
Production ... thous. of short tons	7,658	7,038	6,157	4,551	4,916	5,044	[illegible],141	+8.0	−23.7	25,492	22,662	−11.1
Exports ... thous. of long tons	313	271	262	149	123	151	160	−17.4	−23.1	883	805	−8.8
Stocks, end of mo. in yards of dealers ... no. of days	44	35	----------	31	----------	34	55	-------	-------	----------	----------	-------
Prices—												
Wholesale, comp. ... dolls. per long ton	12.999	13.033	13.033	13.033	12.887	13.077	12.654	−1.1	+1.8	----------	----------	-------
Retail, composite ... dolls. per short ton	15.00	15.00	15.00	15.00	14.99	15.07	14.71	−0.1	+1.9	----------	----------	-------
Coke:												
Production, U. S.—												
Beehive ... thous. of short tons	345	309	281	291	302	534	468	+3.8	−35.5	1,921	1,183	−38.4
By-product ... thous. of short tons	4,181	4,196	4,004	4,394	4,246	4,613	4,457	−3.4	−4.7	17,520	16,840	−3.9
Production, Canada ... thous. of short tons	222	225	204	224	----------	228	220	-------	-------	----------	----------	-------
Exports ... thous. of long tons	111	101	75	58	73	87	60	+25.9	+21.7	327	307	−6.1
Price, furnace, Connellsville ... dolls. per short ton	2.64	2.59	2.60	2.60	2.60	2.99	2.81	0.0	−7.5	----------	----------	-------
Petroleum												
Crude petroleum:												
Production ... thous. of bbls	80,339	79,453	74,427	77,384	77,175	82,515	80,110	−0.3	−3.7	320,297	308,439	−3.7
Stocks at end of month—												
Total (comparable) ... thous. of bbls	381,391	379,826	381,306	380,007	379,875	379,659	380,706	0.0	−0.2	----------	----------	-------
Tank farms and pipe lines ... thous. of bbls	335,084	335,318	335,728	334,082	332,487	333,110	[4] 332,691	−0.5	−0.1	----------	----------	-------
Refineries ... thous. of bbls	46,307	44,508	45,578	45,925	47,388	46,549	[4] 48,015	+3.2	−1.3	----------	----------	-------
California—												
Light ... thous. of bbls	41,044	41,868	44,241	44,710	44,166	25,167	27,774	−1.2	+59.0	----------	----------	-------
Heavy ... thous. of bbls	106,499	107,123	107,739	107,414	105,636	100,255	101,128	−1.7	+4.5	----------	----------	-------
Imports ... thous. of bbls	5,887	5,450	4,321	4,827	5,781	6,790	7,828	+20.0	−26.1	29,709	20,379	−31.4
Consumption (run to stills) ... thous. of bbls	80,663	80,163	72,414	80,253	80,434	80,708	80,459	+0.2	0.0	312,023	313,264	+0.4
Refinery operations ... per ct. of capacity	72	71	71	71	73	78	80	+2.8	−8.7	----------	----------	-------
Price, Kansas-Oklahoma ... dolls. per bbl	1.300	1.229	1.181	1.110	1.163	1.110	1.110	+4.8	+4.8	----------	----------	-------
Oil wells completed ... number	1,060	1,000	969	1,090	1,151	1,081	[4] 1,163	+5.6	−1.0	4,445	4,270	−3.9
Mexico—												
Production ... thous. of bbls	3,926	3,719	3,271	----------	----------	3,526	3,504	-------	-------	----------	----------	-------
Export ... thous. of bbls	1,705	1,517	1,648	----------	----------	2,169	2,150	-------	-------	----------	----------	-------
Venezuela—												
Production ... thous. of bbls	12,182	11,518	10,899	11,920	----------	10,694	11,351	-------	-------	[3] 32,541	[3] 34,337	+5.5
Exports ... thous. of bbls	11,929	10,781	10,266	10,821	----------	9,438	9,661	-------	-------	[3] 28,452	[3] 31,868	+12.0
Gasoline:												
Production—												
Raw (at refineries) ... thous. of bbls	37,464	36,654	33,949	37,727	38,157	34,829	34,636	+1.1	+10.2	135,064	146,487	+8.5
Natural gas (at plants) ... thous. of bbls	4,457	4,410	4,248	4,576	4,429	4,324	4,264	−3.2	+3.9	16,307	17,663	+8.3
Exports ... thous. of bbls	5,890	5,291	4,809	5,735	5,662	4,609	4,518	−1.3	+25.3	17,430	21,497	+23.3
Consumption ... thous. of bbls	26,881	25,731	26,509	31,029	34,549	27,495	32,019	+11.3	+7.9	105,217	117,818	+12.0
Stocks, end of month—												
Raw (at refineries) ... thous. of bbls	43,132	49,676	53,229	55,239	54,435	48,224	[4] 47,039	−1.5	+15.7	----------	----------	-------
Natural gas (at plants) ... thous. of bbls	604	611	672	673	709	995	1,166	+5.3	−39.2	----------	----------	-------
Retail distribution, 41 States ... thous. of gals	850,147	728,162	----------	----------	----------	809,483	894,014	-------	-------	----------	----------	-------

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
FUELS—Continued												
Petroleum—Continued												
Gasoline—Continued.												
Prices—												
Wholesale, New York...dolls. per gal..	0.165	0.165	0.158	0.143		0.170	0.170					
Retail, wagon, 50 cities.dolls. per gal..	.155	.154	.145	.143	0.152	.149	.150	+6.3	+1.3			
Kerosene:												
Production...thous. of bbls..	4,848	4,489	4,398	4,752	4,435	4,515	4,434	−6.7	0.0	18,084	18,074	−0.1
Exports...thous. of bbls..	1,676	1,938	1,198	1,730	1,529	1,872	1,620	−11.6	−5.6	6,970	6,395	−8.2
Consumption...thous. of bbls..	3,513	2,997	3,205	3,118	3,240	2,976	3,156	+3.9	+2.7	12,607	12,560	−0.4
Stocks at refineries, end mo.thous. of bbls..	9,039	8,571	8,565	8,455	8,068	7,855	7,497	−4.6	+7.6			
Price, 150° water white...dolls. per gal..	.067	.064	.062	.064	.063	.077	.084	−1.6	−25.0			
Gas and fuel oils:												
Production...thous. of bbls..	36,261	33,213	31,185	32,111	32,236	37,456	37,533	+0.4	−14.1	146,158	128,745	−11.9
Consumption—												
By vessels...thous. of bbls..	4,100	4,223	4,065	4,077	4,234	4,183	4,179	+3.9	+1.3	16,529	16,599	+0.4
By electric pow. plants.thous. of bbls..	1,112	1,095	[4] 706	[4] 633	588	743	647	−7.1	−9.1	3,189	3,022	−5.2
By railroads...thous. of bbls..	4,413	4,556	4,065	[4] 4,328		[4] 4,467	4,266			[3] 13,176	[3] 12,949	−1.7
Stocks at refineries, end mo.thous. of bbls..	34,425	35,873	34,280	32,998	33,650	30,195	33,404	+2.0	+0.7			
Price, Okla. 24-26, refineries.dolls. per bbl..	.920	.950	.913	.805	.788	.675	.665	−2.1	+18.5			
Lubricating oil:												
Production...thous. of bbls..	2,765	2,880	2,727	3,120	3,193	2,943	2,899	+2.3	+10.1	11,299	11,920	+5.5
Consumption...thous. of bbls..	1,716	1,288	1,525	2,122	2,116	1,581	2,442	−0.3	−13.3	7,295	7,051	−3.3
Stocks at refineries, end mo.thous. of bbls..	8,269	8,956	9,289	9,561	9,649	8,853	8,527	+0.9	+13.2			
Price, cylinder oil...dolls. per gal..	.362	.351	.345	.345	.343	.293	.363	−0.6	−5.5			
Asphalt:												
Production...thous. of short tons..	188	191	181	210	273	228	283	+30.0	−3.5	907	855	−5.7
Stocks, end of month.thous. of short tons..	240	244	261	288	293	250	249	+1.7	+17.7			
Imports...thous. of short tons..	10	5	3	7	1	3	6	−85.7	−83.3	31	16	−48.4
Coke:												
Production...thous. of short tons..	171	146	140	161	151	129	131	−6.2	+15.3	525	598	+13.9
Stocks, end of month...thous. of short tons..	745	741	756	786	817	402	445	+3.9	+82.8			
Wax:												
Production...thous. of lbs..	49,104	52,360	50,960	61,320	54,040	56,372	57,976	−11.9	−6.8	223,260	218,680	−2.1
Stocks, end of mo...thous. of lbs..	187,990	206,249	213,487	232,241	241,853	158,404	170,687	+4.1	+41.7			
RUBBER												
Crude Rubber												
World shipments, plantation...long tons..	74,748	77,291	74,909			71,644	73,547					
Imports (including latex)...long tons..	43,232	47,904	42,998	45,254	45,648	50,610	55,730	+0.9	−18.1	228,212	181,804	−20.3
Consumption by tire mfrs...thous. of lbs..	26,728	42,108	40,379	43,911		61,335	65,673					
World stocks, end of month:												
World total...long tons..	307,670	334,809	358,131			262,676	266,379					
United States...long tons..	106,138	120,649	131,748			100,537	107,659					
Europe...long tons..	75,432	82,417	87,357			33,484	36,789					
Producing countries...long tons..	36,260	36,915				32,955	30,731					
Afloat...long tons..	90,840	94,828				95,700	91,200					
Consumption (quarterly):												
Total...long tons..	[2] 78,082			[2] 93,481		118,280						
For tires...long tons..	[2] 61,584			[2] 77,280		102,091						
Stocks, end of quarter:												
Total...long tons..	[2] 103,120			[2] 137,410		95,110						
Manufactures...long tons..	[2] 61,525			[2] 82,223		65,615						
Dealers...long tons..	[2] 41,595			[2] 55,187		29,495						
Afloat...long tons..	[2] 52,350			[2] 53,928		51,336						
Wholesale price, smoked sheets, New York...dolls. per pound..	.160	.150	.158	.153	.150	.244	.211	−2.0	−28.9			
Tires and Tubes												
Pneumatic tires:												
Production...thousands..	2,446	3,589	3,645	[4] 3,891	4,495	5,639	5,913	+15.5	−24.0	21,778	15,620	−28.3
Stocks, end of month...thousands..	9,470	9,539	9,929	[4] 10,010	10,599	12,264	12,697	+5.9	−16.5			
Shipments—												
Domestic...thousands..	2,448	3,348	3,150	[4] 3,587	3,655	4,804	5,242	+1.9	−30.3	18,517	13,740	−25.8
Export...thousands..	142	178	206	[4] 186	175	227	229	−5.9	−23.6	916	745	−18.7
Inner tubes:												
Production...thousands..	2,787	3,685	3,707	[4] 3,953	4,383	5,600	5,726	+10.9	−23.5	21,291	15,728	−26.1
Stocks, end of month...thousands..	10,245	10,163	10,429	[4] 10,543	10,951	13,313	13,601	+3.9	−19.5			
Shipments—												
Domestic...thousands..	2,620	3,778	3,344	[4] 3,682	3,750	4,889	5,220	+1.8	−28.2	19,195	14,554	−24.2
Export...thousands..	103	107	126	[4] 99	101	164	153	+2.0	−34.0	620	433	−30.2
Solid and cushion:												
Production...thousands..	28	25	22	19	17	36	39	−10.5	−56.4	137	83	−39.4
Stocks, end of month...thousands..	122	127	128	[4] 123	117	143	139	−4.9	−15.8			
Shipments—												
Domestic...thousands..	19	20	19	22	22	38	40	0.0	−45.0	139	83	−40.3
Export...thousands..	2	2	2	2	2	2	3	0.0	−33.3	9	8	−11.1
Other Rubber Products												
Reclaimed rubber (quarterly):												
Production...long tons..	[2] 39,635			[2] 42,437		53,552						
Stocks, end of quarter...long tons..	[2] 22,220			[2] 19,519		17,727						
Scrap rubber (quarterly):												
Stocks at reclaimers...long tons..	[2] 75,251			[2] 64,968		59,135						
Consumption by reclaimers...long tons..	[2] 52,502			[2] 51,919		71,001						
Rubber-proofed fabrics, production:												
Total...thous. of yds..	2,291	3,281	3,441	3,570	4,029	3,952	4,000	−12.8	+0.7	13,808	14,321	+3.7
Auto fabrics...thous. of yds..	488	966	885	727	1,368	878	917	+88.2	+49.2	3,292	3,946	+19.9
All other...thous. of yds..	882	1,076	1,081	1,211	1,071	1,344	1,194	−11.6	−10.3	4,790	4,439	−
Raincoat fabrics...thous. of yds..	921	1,239	1,475	1,632	1,590	1,730	1,889	−2.6	−15.8	5,726	5,936	+

[2] Quarter ending in month indicated. [3] Cumulative through Mar. 31. [4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
RUBBER—Continued												
Other Rubber Products—Continued												
Rubber heels:												
Production.....thous. of pairs..	14,781	15,470	14,172	15,439		17,226	17,256			[3] 56,180	[3] 45,081	−19.8
Shipments—												
To shoe manufacturers.thous. of pairs..	8,639	10,989	8,837	8,458		8,798	11,028			[3] 31,861	[3] 28,284	−11.2
To repair trade.....thous. of pairs..	4,148	5,106	6,511	7,189		7,925	6,506			[3] 21,471	[3] 18,806	−12.4
For export.....thous. of pairs..	956	1,049	1,031	956		1,230	1,072			[3] 3,710	[3] 3,036	−18.2
Stocks, end of month.....thous. of pairs..	41,544	40,528	38,250	36,546		49,571	47,209					
Rubber soles:												
Production.....thous. of pairs..	3,003	3,496	2,338	2,582		2,746	2,601			[3] 9,491	[3] 8,416	−11.3
Shipments—												
To shoe manufacturers.thous. of pairs..	2,372	3,261	1,973	2,055		1,862	1,967			[3] 7,013	[3] 7,289	+3.9
To repair trade.....thous. of pairs..	449	491	392	407		705	623			[3] 2,321	[3] 1,290	−44.4
For export.....thous. of pairs..	88	138	56	54		34	23			[3] 224	[3] 248	+10.7
Stocks, end of month.....thous. of pairs..	3,545	3,227	3,171	3,349		4,243	4,184					
Mechanical rubber goods:												
Shipments—												
Total.....thous. of dolls..	4,751	5,169	5,376	5,981		7,013	7,035			[3] 19,181	[3] 16,526	−13.8
Belting.....thous. of dolls..	1,086	1,150	1,281	1,379		1,546	1,668			[3] 4,264	[3] 3,810	−10.6
Hose.....thous. of dolls..	1,895	2,034	2,190	2,500		2,753	2,730			[3] 7,402	[3] 6,724	−9.2
All other.....thous. of dolls..	1,770	1,984	1,905	2,101		2,735	2,636			[3] 7,537	[3] 5,990	−20.5
Rubber bands, shipments.....thous. of lbs..	189	226	230	248	197	288	231	−20.6	−14.7	978	901	−7.9
Rubber flooring, shipments...thous. of sq. ft..	618	459	530	533	570	603	596	+6.9	−4.4	2,049	2,092	+2.1
Calendered rubber clothing:												
Production.....no. coats and sundries..	49,093	56,949	64,934	78,858	86,471	77,740	91,193	+9.7	−5.2	286,888	287,212	+0.1
Net orders.....no. coats and sundries..	16,095	31,638	39,568	97,612	89,862	32,967	102,490	−7.9	−12.3	197,180	258,680	+31.2
HIDES AND LEATHER												
Hides												
Imports:												
Total hides and skins.....thous. of lbs..	41,932	39,094	35,116	40,097	50,966	34,063	39,505	+27.1	+29.0	144,166	165,273	+14.6
Calfskins.....thous. of lbs..	2,624	2,953	2,318	2,408	2,815	1,462	3,379	+16.9	−16.7	9,400	10,494	+11.6
Cattle hides.....thous. of lbs..	26,060	19,145	18,885	21,169	31,007	16,161	16,155	+46.5	+91.9	69,967	90,206	+28.9
Goatskins.....thous. of lbs..	6,293	6,728	6,087	9,670	7,827	8,768	10,869	−19.1	−28.0	33,389	30,292	−9.7
Sheepskins.....thous. of lbs..	3,350	5,473	3,715	2,971	6,186	4,892	6,406	+108.2	−3.4	20,143	18,345	−8.9
Stocks, end of month:												
Total hides and skins.....thous. of lbs..	269,892	269,925	265,248	268,158		240,740	246,359					
Cattle hides.....thous. of lbs..	220,509	221,718	216,251	218,308		203,947	206,248					
Calf and kip skins.....thous. of lbs..	26,584	25,480	25,626	25,478		20,265	22,058					
Sheep and lamb skins.....thous. of lbs..	22,799	22,727	23,371	24,372		16,528	18,053					
Prices:												
Green salted, packers' heavy native steers.....dolls. per lb..	.160	.163	.148	.142	.140	.145	.149	−1.4	−6.0			
Calfskins, country, No. 1....dolls. per lb..	.174	.176	.164	.156	.159	.187	.183	+1.9	−13.1			
Inspected slaughter of livestock:												
United States—												
Cattle.....thous. of animals..	658	713	561	615	635	632	662	+3.3	−4.1	2,599	2,524	−2.9
Calves.....thous. of animals..	346	374	329	388	455	409	460	+17.3	−1.1	1,549	1,546	−0.2
Swine.....thous. of animals..	5,083	5,001	4,034	3,392	3,480	3,645	3,761	+2.6	−7.5	17,622	15,907	−9.7
Sheep.....thous. of animals..	1,091	1,225	1,187	1,358	1,387	1,006	1,119	+2.1	+23.9	4,228	5,157	+22.0
Canada—												
Cattle and calves...thous. of animals..	71	68	57	74	100	74	105	+35.1	−4.8	307	299	−2.6
Swine.....thous. of animals..	221	207	168	168	162	215	208	−3.6	−22.1	880	705	−19.9
Sheep.....thous. of animals..	50	31	20	24	27	21	19	+12.5	+42.1	96	102	+6.3
Leather												
Sole and belting leather:												
Production—												
Sole only.thous. of backs, bends, sides..	1,235	1,359	1,239	[4] 1,293	1,326	1,140	1,185	+2.6	+11.9	[3] 4,711	[3] 5,217	+10.7
Sole and belting.....thous. of lbs..	23,894	25,444	23,552	24,451		22,191	23,119			67,071	73,447	+9.5
Stocks, end of month—												
In process of tanning....thous. of lbs..	84,197	84,624	84,709	84,300		79,524	79,487					
Finished.....thous. of lbs..	64,084	65,846	67,452	69,876		78,772	76,444					
Exports.....thous. of sq. ft..	500	757	430	579	450	1,336	1,080	−22.3	−58.3	4,199	2,216	−47.2
Price oak, scoured backs.....dolls. per lb..	.52	.50	.49	.49	.47	.55	.49	−4.1	−4.1			
Upper leather:												
Production.....thous. of sq. ft..	72,672	68,296	63,220	68,875		66,132	65,152			[3] 195,510	[3] 200,391	+2.5
Stocks, end of month—												
In process of tanning..thous. of sq. ft..	143,576	146,077	144,022	139,763		133,335	130,430					
Finished.....thous. of sq. ft..	244,428	246,185	249,806	256,867		249,373	246,992					
Exports.....thous. of lbs..	7,776	8,763	8,320	10,375	8,684	11,991	10,818	−16.3	−19.7	43,171	36,142	−16.3
Leather Products												
Shoes:												
Production.....thous. of pairs..	22,475	26 534	25,898	28,554		30,900	29,382			[4] 85,853	[4] 80,986	−5.7
Exports.....thous. of pairs..	294	290	189	293	275	435	372	−6.1	−26.1	1,597	1,047	−34.4
Wholesale prices—												
Men's black calf blucher, Boston.....dolls. per pair..	6.75	6.75	6.75	6.75	6.75	6.75	6.75	0.0	0.0			
Men's dress welt, tan calf oxford, St. Louis.dolls. per pair..	4.85	4.85	4.85	4.85	4.85	4.85	4.85	0.0	0.0			
Women's black kid, dress welt lace oxford.....dolls. per pair..	4.25	4.25	4.25	4.25	4.25	4.25	4.25	0.0	0.0			
Gloves, cut.....dozen pairs..	213,861	265,407	280,143	264,372	251,140	256,691	258,301	−5.0	−2.8	969,934	1,061,062	+9.4

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
PAPER AND PRINTING												
Wood Pulp												
Groundwood:												
Production ... short tons	126,523	142,617	136,898	163,392	160,102	147,640	162,042	−2.0	−1.2	585,625	603,009	+3.0
Consumption and shipments ... short tons	129,623	144,498	131,389	135,389	136,066	136,880	142,920	+0.5	−4.8	549,603	547,342	−0.4
Stocks, end of month ... short tons	67,588	65,706	71,215	99,218	123,254	141,557	160,875	+24.2	−23.4			
Imports ... short tons	36,186	28,423	39,105	27,329	20,644	16,481	23,314	−24.5	−11.5	79,855	115,501	+44.6
Sulphite, unbleached:												
Production ... short tons	21,010	21,550	20,604	21,638	22,090	19,276	20,276	+2.1	+8.9	79,072	85,882	+8.6
Consumption and shipments ... short tons	20,520	22,114	20,440	22,160	21,382	19,532	20,522	−3.5	+4.2	80,044	86,096	+7.6
Stocks, end of month ... short tons	4,450	3,886	4,050	3,528	4,236	3,384	3,138	+20.1	+35.0			
Imports ... short tons	56,302	97,570	85,163	45,624	41,621	38,447	54,766	−8.8	−24.0	237,353	269,978	+13.7
Sulphite, bleached:												
Production ... short tons	50,790	58,884	51,220	57,088	54,134	53,640	54,308	−5.2	−0.3	210,524	221,306	+5.1
Consumption and shipments ... short tons	51,238	58,252	52,174	56,620	53,686	53,560	54,092	−5.2	−0.8	210,784	220,832	+4.7
Stocks, end of month ... short tons	6,310	6,942	5,968	6,436	6,884	5,042	5,318	+7.0	+29.4			
Imports ... short tons	36,028	29,593	35,999	32,545	30,153	23,390	31,432	−7.3	−4.1	119,102	128,290	+7.7
Total sulphite:												
Production ... short tons	142,784	157,476	146,474	156,194	147,198	150,490	151,374	−5.8	−2.8	598,338	607,342	+1.5
Consumption and shipments ... short tons	142,054	158,620	146,978	153,332	144,752	150,226	153,386	−5.6	−5.6	601,546	603,682	+0.4
Stocks, end of month ... short tons	24,466	23,322	22,818	25,680	28,126	25,838	23,886	+9.5	+17.8			
Sulphate:												
Production ... short tons	35,176	40,276	41,564	44,100	44,188	42,768	44,136	+0.2	+0.1	168,874	170,128	+0.7
Consumption and shipments ... short tons	35,858	40,556	41,164	42,604	44,948	43,478	44,392	+5.5	+1.3	171,196	169,272	−1.1
Stocks, end of month ... short tons	7,840	8,020	8,830	10,666	10,484	5,118	5,538	−1.7	+89.3			
Soda:												
Production ... short tons	36,028	39,378	35,008	38,158	37,814	38,496	38,150	−0.9	−0.9	148,280	150,358	+1.4
Consumption and shipments ... short tons	34,824	38,132	31,992	34,872	34,976	37,798	36,740	+0.3	−4.8	145,220	139,972	−3.6
Stocks, end of month ... short tons	5,606	5,438	5,710	6,006	5,838	6,606	6,686	−2.8	−12.7			
Other grades:												
Production ... short tons	80	96	142	126	110	82	84	−12.7	+31.0	306	464	+51.6
Consumption and shipments ... short tons	144	132	82	118	152	24	120	+28.8	+26.7	312	486	+55.8
Stocks, end of month ... short tons	44	6	56	64	22	76	40	−65.6	−45.0			
Total (all grades):												
Production ... short tons	214,068	237,226	223,178	238,578	229,310	231,836	233,744	−3.9	−1.9	915,798	928,292	+1.4
Consumption and shipments ... short tons	212,880	237,440	220,130	230,926	224,828	231,526	234,638	−2.6	−4.2	918,274	913,412	−0.5
Stocks, end of month ... short tons	37,956	36,786	37,414	42,416	44,470	37,638	36,150	+4.8	+23.0			
Newsprint Paper												
Production:												
United States, total ... short tons	112,583	124,851	112,394	113,328	109,967	114,586	118,679	−3.0	−7.3	460,731	460,540	0.0
Ratio to capacity ... per cent	80	86	83			79	82					
Canada ... short tons	230,008	206,305	189,154	207,485	228,048	218,147	221,784	+9.9	+2.8	839,322	830,992	−1.0
Consumption by publishers ... short tons	194,907	176,172	171,889	187,594	199,485	198,722	189,986	+6.3	+5.0	743,074	735,140	−1.1
Shipments:												
United States ... short tons	117,131	124,262	110,714	109,686	109,346	120,003	121,548	−0.3	−10.0	470,189	454,008	−3.4
Canada ... short tons	234,100	202,008	178,691	208,629	221,050	119,739	220,270	+6.0	+0.4	735,424	810,378	+10.2
Imports ... short tons	230,579	198,620	154,138	187,513	186,025	182,994	178,076	−0.8	+4.5	723,283	726,296	+0.4
Exports, Canada ... short tons	220,171	199,773	163,204	225,252	159,802	244,167	162,381	−29.1	−1.6	776,064	748,031	−3.6
Stocks, end of month:												
At mills—												
United States ... short tons	19,023	18,778	20,552	24,004	24,546	30,534	27,102	+2.3	−9.4			
Canada ... short tons	24,946	29,154	39,598	38,661	45,948	24,045	25,741	+18.8	+78.5			
At publishers ... short tons	220,024	231,879	224,155	210,054	197,621	174,750	166,089	−5.9	+19.0			
In transit to publishers ... short tons	58,524	48,925	47,174	42,915	44,690	45,673	46,724	+4.1	−4.4			
Box Board												
Operation:												
Thousands of inch-hours	7,669	8,623	7,774	8,144		9,417	9,279			[3] 27,150	[3] 24,541	−9.6
Per cent of capacity	69.9	75.5	73.8	71.3		82.5	81.3					
Production ... short tons	186,596	228,314	230,287	229,253		256,118	251,147			[3] 732,442	[3] 687,854	−6.1
New orders ... short tons	174,570	245,390	217,291	220,543		266,895	250,366			[3] 735,576	[3] 683,224	−7.1
Unfilled orders, end of month ... short tons	59,334	76,975	71,741	66,870		96,209	98,162					
Consumption of waste paper ... short tons	175,957	224,197	215,757	218,340		242,073	231,089			[3] 698,167	[3] 658,291	−5.7
Shipments ... short tons	180,194	227,854	224,179	225,839		258,604	247,773			[3] 733,308	[3] 677,872	−7.6
Stocks, end of month ... short tons	64,197	64,242	69,880	68,333		54,982	57,881					
Stocks of waste paper, end of month:												
On hand ... short tons	198,099	190,879	190,687	171,361		137,008	142,666					
In transit and unshipped purchases ... tons	50,380	59,742				51,520	68,005					
Other Paper												
Binder's board, production ... short tons	1,661	2,261	2,054	1,898		2,917	2,994					
Book paper:												
Production ... short tons	133,939	148,672	133,805			136,657	138,024					
Ratio to capacity ... per cent	98	103	100			93	95					
Shipments ... short tons	133,939	144,212	132,333			139,253	139,404					
Stocks, end of month ... short tons	85,946	91,103	92,925			71,399	71,399					
New orders—												
Coated ... p. ct. of normal production	83	87	90	93	89	104	89	−4.3	0.0			
Uncoated ... p. ct. of normal production	75	87	87	83	86	91	84	+3.6	+2.4			
Unfilled orders, end of month—												
Coated ... p. ct. of normal production	8	11	11	10	11	10	10	+10.0	+10.0			
Uncoated ... p. ct. of normal production	6	7	8	8	7	9	10	−12.5	−30.0			
Wrapping paper:												
Production ... short tons	78,872	84,693	77,226	85,958	84,037	91,746	91,286	−2.2	−7.9	371,718	331,914	−10.7
Ratio to capacity ... per cent	77	79	78		88	86	85	−1.5	+3.5			
Shipments ... short tons	77,295	86,133	78,771	86,732	85,466	96,700	91,377	−1.5	−6.5	375,065	237,102	−36.8
Stocks, end of month ... short tons	84,025	82,616	81,074	80,311	78,909	86,596	86,075	−1.7	−8.3			
Fine paper:												
Production ... short tons	35,281	41,234	39,170	42,560	40,911	41,348	41,819	−3.9	−2.2	159,184	163,875	+2.9
Ratio to capacity ... per cent	83	92	95		87	86	93		−6.5			
Shipments ... short tons	32,176	42,099	38,347	40,006	38,047	43,788	40,564	−4.9	−6.2	163,759	158,499	−3.2
Stocks, end of month ... short tons	53,848	54,573	55,385	57,930	59,633	47,373	50,213	+2.9	+18.8			

[3] Cumulative through Mar. 31.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
PAPER AND PRINTING—Continued												
Other Paper—Continued												
All other grades:												
Production ... short tons	88,194	98,057	95,950	90,487	95,235	104,355	104,506	+5.2	−8.9	415,355	279,731	−32.7
Shipments ... short tons	84,994	95,211	102,526	87,437	91,415	102,091	102,278	+4.5	−10.6	411,448	376,589	−8.5
Stocks, end of month ... short tons	60,700	63,546	59,728	62,771	66,590	53,205	55,486	+6.1	+20.0			
Total paper (inc. newsprint and box board):												
Production ... short tons	635,465	725,821	686,285			744,810	745,461					
Ratio to capacity ... per cent	78	87	87			86	88					
Shipments ... short tons	625,729	719,771	684,458			760,439	742,944					
Stocks, end of month ... short tons	367,739	501,495	497,458			344,089	348,156					
Paper-board Shipping Boxes												
Production:												
Total ... thous. of sq. ft.	367,533	468,548	508,222	500,061	502,462	510,680	492,272	+0.5	+2.1	1,948,229	1,979,293	+1.6
Corrugated ... thous. of sq. ft.	296,457	369,950	404,516	414,746	410,812	398,777	387,596	−0.9	+6.0	1,521,585	1,600,024	+5.2
Solid fiber ... thous. of sq. ft.	71,076	98,598	103,706	85,315	91,650	111,903	104,676	+7.4	−12.4	426,644	379,269	−11.1
Operating activity:												
Total ... per cent of normal	63	74	77	77	75	86	82	−2.6	−8.5			
Corrugated ... per cent of normal	66	75	78	80	78	86	83	−2.5	−6.0			
Solid fiber ... per cent of normal	55	72	75	69	65	85	79	−5.8	−17.7			
Abrasive paper and cloth:												
Domestic sales ... reams												
Foreign sales ... reams												
Rope paper sacks, shipments ... rel. to 1921–22	86	103	96	92	90	90	83	−2.2	+8.4			
Printing												
Book publication:												
American manufacture ... no. of titles	537	449	514	790	646	914	718	−18.2	−10.0	2,821	2,399	−15.0
Imported ... no. of titles	228	156	251	338	241	201	108	−28.7	+123.1	572	986	+72.4
Sales books:												
New orders ... thous. of books	9,832	13,028	11,684	12,347	13,092	12,317	12,718	+6.0	+2.9	49,658	50,151	+1.0
Shipments ... thous. of books	11,819	11,993	11,587	12,176	12,237	12,414	12,176	+0.5	+0.5	48,741	47,993	−1.5
Blank forms, new orders ... thous. of sets	57,063	55,321	63,793	72,340	54,901	63,633	62,074	−24.1	−11.6	233,178	246,355	+5.7
Printing activity ... relative to 1924	103	110	108	108		124	123					
BUILDING CONSTRUCTION AND HOUSING												
Building Costs												
Building materials:												
Frame house, 6-rm. 1st of mo. ... rel. to 1913	177	178	178	177	173	176	176	−2.3	−1.7			
Brick house, 6-rm. 1st of mo. ... rel. to 1913	181	182	182	181	176	181	181	−2.8	−2.8			
Bldg. costs, 1st of mo. ... rel. to 1913	209.5	209.0	206.5	206.8	207.1	207.8	203.4	+0.1	+1.8			
Bldg. costs (*A. G. C.*), 1st of mo. ... rel. to 1913	202	203	203	203	201	204	204	−1.0	−1.5			
Construction costs (*Am. Appraisal*):												
Frame ... rel. to 1913	204	204	204	202	202	204	204	0.0	−1.0			
Brick, steel frame ... rel. to 1913	197	197	198	196	196	197	197	0.0	−0.5			
Brick, wood frame ... rel. to 1913	214	214	215	213	213	213	214	0.0	−0.5			
Reinforced concrete ... rel. to 1913	201	202	203	201	200	201	201	−0.5	−0.5			
Contracts and Fire Losses												
Contracts awarded (36 States):												
Commercial buildings ... thous. of sq. ft.	4,746	7,774	10,146	12,156	9,817	12,204	14,506	−19.2	−32.3	53,037	39,893	−24.8
Industrial buildings ... thous. of sq. ft.	13,340	3,538	3,899	5,948	4,989	9,342	6,844	−16.1	−27.1	31,163	18,374	−41.0
Residential buildings ... thous. of sq. ft.	17,182	12,914	14,390	19,891	24,405	39,849	49,908	+22.7	−51.1	143,314	71,600	−50.0
Educational buildings ... thous. of sq. ft.	3,008	2,619	2,933	5,256	5,577	6,241	4,627	+6.1	+20.5	16,899	16,385	−3.0
Other public and semi-public buildings ... thous. of sq. ft.	3,191	3,149	3,437	6,975	7,796	5,191	5,070	+11.8	+53.8	15,969	21,357	+33.7
Grand total ... thous. of sq. ft.	41,946	30,601	36,444	50,493	53,471	73,849	81,407	+5.9	−34.3	263,283	171,009	−35.0
Contracts awarded, value (36 States):												
Commercial buildings ... thous. of dolls.	30,368	50,907	71,237	72,858	68,360	69,064	73,527	−6.2	−7.0	307,161	263,362	−14.3
Industrial buildings ... thous. of dolls.	66,888	37,857	33,059	71,793	37,763	55,204	67,515	−47.4	−44.1	235,553	180,472	−23.4
Residential buildings ... thous. of dolls.	111,480	63,117	71,746	98,453	119,596	190,146	249,896	+21.5	−52.1	696,663	352,912	−49.3
Educational buildings ... thous. of dolls.	18,703	17,708	20,410	32,269	33,821	36,992	28,730	+4.8	+17.7	104,988	104,208	−0.7
Other public and semi-public buildings ... thous. of dolls.	27,988	33,229	27,517	60,238	60,964	44,843	54,962	+1.2	+10.9	149,417	181,948	+21.8
Public works and utilities ... thous. of dolls.	48,870	103,041	73,826	98,812	139,600	67,661	148,543	+41.3	−6.0	327,111	415,279	+27.0
Grand total ... thous. of dolls.	304,297	305,859	309,795	434,424	460,103	463,911	623,174	+5.9	−26.2	1,820,893	1,510,181	−17.1
Contracts awarded, Canada ... thous. of dolls.	32,549	37,530	28,464	24,263	48,779	27,125	43,328	+101.0	+12.6	140,842	139,036	−1.3
Building volume (*A. G. C.*) ... rel. to 1913	169	131	114	131	146	116	178	+11.5	−18.0			
Fire losses:												
United States ... thous. of dolls.	39,726	42,344	43,207	42,964	43,551	41,278	36,846	+1.4	+18.2	164,358	172,066	+4.7
Canada (*Monetary Times*) ... thous. of dolls.	4,081	5,100	2,412	3,783	2,331	2,453	1,972	−38.4	+18.2	10,167	13,626	+34.0
BUILDING MATERIALS												
Softwood Lumber												
Southern pine:												
Exports, lumber ... M ft. b. m.	62,487	52,752	43,535	49,870	44,788	57,116	68,289	−10.2	−34.4	244,913	190,945	−22.0
Exports, timber ... M ft. b. m.	13,734	9,484	12,068	17,445	12,412	6,255	10,261	−28.9	+21.0	33,603	51,409	+53.0
Price, flooring ... dolls. per M ft. b. m.	38.00	37.12	37.39	37.20	36.39	37.55	37.35	−2.2	−2.6			
Douglas fir:												
Production (computed) ... M ft. b. m.	260,979	199,651	275,751	329,021		350,508	366,624			1,313,399		
Shipments (computed) ... M ft. b. m.	228,300	220,690	251,131	297,238		354,537	379,158			1,334,439		
New orders (computed) ... M ft. b. m.	240,835	242,178	254,712	290,076		371,548	383,634			1,440,531		
Unfilled orders, end of month ... M ft. b. m.	273,065	293,657	290,076	216,662		331,707	408,255					
Exports, lumber ... M ft. b. m.	74,967	47,487	38,106	45,184	70,343	77,443	65,953	+55.7	+6.7	284,872	201,120	−29.4
Exports, timber ... M ft. b. m.	33,309	36,064	27,887	37,143	41,912	56,238	60,207	+12.8	−30.4	213,428	143,006	−33.0
Price, No. 1 common ... dolls. per M ft. b. m.	16.84	16.85	16.71	16.75	16.26	19.15	18.76	−2.9	−13.3			
Price, flooring, 1 x 4, "B" and better, V. G. ... dolls. per M ft. b. m.	41.94	41.63	41.35	41.12	38.87	42.26	42.60	−5.5	−8.8			

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BUILDING MATERIALS—Continued												
Softwood Lumber—Continued												
California redwood:												
Production (computed)....M ft. b. m.	30,634	41,084	36,667	34,959	39,146	43,797	39,292	+12.0	−0.4	145,438	151,856	+4.4
Shipments (computed)....M ft. b. m.	25,253	30,893	34,173	31,097	38,576	42,315	36,307	+24.1	+6.2	140,566	134,739	−4.1
New orders (computed)....M ft. b. m.	23,230	35,633	36,106	29,768	36,401	47,059	43,363	+22.3	−16.1	158,654	137,908	−13.1
Unfilled orders, end of month (computed)....M ft. b. m.	36,636	27,029	37,210	32,403	31,080	37,898	45,871	−4.1	−32.2			
California white pine:												
Production....M ft. b. m.	60,651	29,185	30,660	38,906	62,446	67,401	87,238	+60.5	−28.4	268,951	161,197	−40.1
Shipments....M ft. b. m.	57,767	64,837	68,659	81,599	79,924	102,908	106,018	−2.1	−24.6	407,230	295,019	−27.6
Stocks, end of month....M ft. b. m.	623,554	568,607	526,140	457,060	505,578	437,089	427,396	+25.9	+34.7			
New orders....M ft. b. m.	54,835	65,322	66,385	72,947	75,243	95,848	101,387	+3.1	−25.8	378,030	279,897	−26.0
Unfilled orders, end of month....M. ft. b. m.	189,732	151,560	148,691	155,699	145,317	161,865	195,268	−6.7	−25.6			
Northern pine:												
Lumber—												
Production....M ft. b. m.	11,682	14,935	15,549	15,549	30,690	22,654	42,363	+97.4	−27.6	110,889	76,723	−30.8
Shipments....M ft. b. m.	19,496	23,200	26,144	28,127	26,548	40,159	44,043	−5.6	−39.7	149,671	104,019	−30.5
New orders....M ft. b. m.	14,459	22,670	21,257	23,858	25,629	39,732	44,379	+7.4	−42.2	148,872	93,414	−37.3
Lath—												
Production....thousands	653	527	517	571	3,215	2,938	7,722	+463.0	−58.4	18,338	4,830	−73.7
Shipments....thousands	2,783	3,251	3,543	3,524	4,861	7,316	8,003	+37.9	−39.3	27,456	15,179	−44.7
North Carolina pine:												
Production (computed)....M ft. b. m.	40,138	41,097	42,497	43,526		71,610	64,841			249,100		
Shipments (computed)....M ft. b. m.	38,038	36,946	38,031	39,683		67,543	57,029			223,895		
Northern hemlock:												
Production....M ft. b. m.	10,839	11,153	8,515	11,213	10,700	14,876	13,112	−4.6	−18.4	61,667	41,581	−32.6
Shipments....M ft. b. m.	4,922	7,860	5,241	8,919	8,616	9,814	12,625	−3.4	−31.8	45,314	30,636	−32.4
Hardwood Lumber												
Walnut lumber:												
Production....M ft. b. m.	3,745	2,363	1,838	2,599	2,654	2,993	3,724	+2.1	−28.7	12,471	9,454	−24.2
Shipments....M ft. b. m.	2,301	2,070	1,771	1,860	2,069	3,926	4,003	+11.2	−48.3	14,525	7,770	−46.5
Stocks, end of month....M ft. b. m.	18,601	18,727	18,079	18,905	19,503	10,711	10,544	+3.2	+85.0			
New orders....M ft. b. m.	1,607	2,071	1,445	1,732	1,638	4,104	4,078	−5.4	−49.8	15,151	6,886	−54.6
Unfilled orders, end of month....M ft. b. m.	5,590	4,418	3,704	3,886	3,408	6,804	7,126	−12.3	−52.2			
Walnut logs:												
Purchased....M ft. log measure	2,404	1,701	2,009	1,788	1,820	2,213	2,899	+1.8	−37.2	9,418	7,318	−22.3
Made into lumber and veneer....M ft. log measure	2,288	2,021	1,818	2,138	2,011	2,539	2,799	−5.9	−28.2	10,002	7,988	−20.1
Stocks, end of month....M ft. log measure	2,790	2,510	2,682	2,364	2,093	1,048	1,152	−11.5	+18.7			
Northern hardwoods:												
Production....M ft. b. m.	21,303	29,484	24,694	25,788	23,851	42,865	29,755	−7.5	−19.8	154,906	103,817	−33.0
Shipments....M ft. b. m.	12,969	17,119	17,773	18,513	18,201	32,605	26,755	−1.7	−32.0	118,968	71,606	−39.8
Lower Michigan hardwoods:												
Production....M ft. b. m.	3,542	3,075	2,883			6,795	5,961					
Shipments....M ft. b. m.	3,716	2,210	1,686			6,732	5,053					
Stocks, end of month....M ft. b. m.	26,639	15,065	15,512			27,443	28,286					
Gum:												
Stocks, total, end of month....mill. ft. b. m.	512	534	534	552		489	468					
Stocks, unsold, end of month....mill. ft. b. m.	387	404	408	422		332	318					
Unfilled orders, end of month....mill. ft. b. m.	125	130	126	130		157	151					
Oak:												
Stocks, total, end of month....mill. ft. b. m.	1,049	1,040	1,052	1,055		914	909					
Stocks, unsold, end of month....mill. ft. b. m.	869	877	865	865		751	739					
Unfilled orders, end of month....mill. ft. b. m.	181	174	187	189		163	170					
All hardwoods:												
Production....mill. ft. b. m.	210	251	255	270		315	319					
Shipments....mill. ft. b. m.	169	206	233	221		341	330					
New orders....mill. ft. b. m.	165	199	244	203		334	323					
Stocks, total, end of month....mill. ft. b. m.	2,997	3,061	3,086	3,141		2,672	2,670					
Stocks, unsold, end of month....mill. ft. b. m.	2,383	2,440	2,451	2,500		2,024	1,982					
Unfilled orders, end of month....mill. ft. b. m.	614	614	635	641		648	648					
Exports, planks, joists, etc....M ft. b. m.	200,816	151,906	129,070	152,156	171,344	200,790	201,858	+12.6	−15.1	820,714	604,476	−26.3
Flooring												
Maple flooring:												
Production....M ft. b. m.	6,107	6,589	5,992	5,382	5,719	6,794	5,759	+6.3	−0.7	27,346	23,682	−13.4
Shipments....M ft. b. m.	3,060	4,625	3,771	4,761	4,768	6,141	7,583	+0.1	−37.1	24,891	17,925	−28.0
Stocks, end of month....M ft. b. m.	26,523	28,314	30,150	31,017	31,122	25,494	24,443	+0.3	+27.3			
New orders....M ft. b. m.	3,053	4,245	3,696	3,953	4,204	6,604	8,616	+6.3	−51.2	29,536	16,098	−45.5
Unfilled orders, end of month....M ft. b. m.	5,579	5,827	6,008	5,418	5,353	11,106	13,337	−1.2	−59.9			
Oak flooring:												
Production....M ft. b. m.	22,667	28,617	27,943	32,038		28,497	36,578			131,144		
Shipments....M ft. b. m.	47,506	26,317	28,272	34,829		40,902	41,837			143,289		
Stocks, end of month....M ft. b. m.	83,233	87,391	87,251	85,861		80,603	75,744					
New orders....M ft. b. m.	21,775	35,286	29,874	43,893		52,642	40,244			154,383		
Unfilled orders, end of month....M ft. b. m.	45,272	51,026	57,602	68,188		54,644	68,925					
Fabricated Structural Steel												
New orders (prorated)....short tons	319,550	252,000	280,000	248,000	236,000	358,050	334,950	−4.8	−29.5	1,232,000	1,016,000	−17.5
Ratio to capacity....per cent	83	63	70	62	59	93	87	−4.8	−32.2			
Shipments (prorated)....short tons	265,650	244,000	296,000	280,000	308,000	277,200	304,150	+10.0	+1.3	1,101,100	1,128,000	+2.4
Ratio to capacity....per cent	69	61	74	70	77	72	79					
Portland Cement												
Production....thous. of bbls.	11,215	8,498	8,162	11,225	13,521	9,969	13,750	+20.5	−1.7	42,122	41,406	−1.7
Operation....per ct. of capacity	51.5	38.8	41.5	51.5	64.0	47.4	67.1	+24.3	−4.6			
Shipments....thous. of bbls.	5,951	4,955	7,012	8,905	13,387	10,113	13,325	+50.3	+0.5	34,593	34,259	−1.0
Stocks, end of month....thous. of bbls.	23,550	27,081	28,244	30,563	30,697	29,724	30,151	+0.4	+1.8			
Stocks, clinker, end of month....thous. of bbls.	7,526	9,646	11,572	13,503	15,115	14,948	15,479	+11.9	−2.4			
Wholesale prices, composite....dolls. per bbl.	1.555	1.576	1.617	1.617	1.617	1.650	1.650	0.0	−2.0			

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BUILDING MATERIALS—Continued												
Portland Cement—Continued												
Common brick:												
Stocks, end of month—												
Burned ... thousands	475,735	428,508	513,057	368,833	327,657	341,843	315,607	−11.2	+3.8			
Unburned ... thousands	247,723	234,126	259,889	193,430	177,704	171,545	153,168	−8.1	+16.0			
Shipments ... thousands	107,241	58,117	75,524	91,903	104,192	76,364	284,793	+13.4	−63.4	551,618	329,736	−40.2
Unfilled orders, end of month ... thousands	141,143	115,907	140,451	150,396	172,113	102,389	207,649	+14.4	−17.1			
Plants closed down ... number	132	126	126	83	78	36	19	−6.0	−309.5			
Price, red, New York ... dolls. per thous	10.00	10.50	10.50	11.00	11.25	11.50	11.50	+2.3	−2.2			
Sand-lime brick:												
Production ... thousands	9,215	6,586	4,827	[4] 7,406	8,705	11,433	16,155	+17.5	−46.1	45,568	27,524	−39.6
Shipments by rail ... thousands	2,658	2,356	2,489	[4] 2,846	3,682	3,945	4,359	+29.4	−15.5	12,933	11,373	−12.1
Shipments by truck ... thousands	5,246	3,686	3,576	[4] 4,990	4,957	9,498	13,580	−0.7	−63.5	35,226	17,209	−51.1
Stocks, end of month ... thousands	13,859	13,691	10,286	[4] 11,959	8,756	14,256	14,236	−26.8	−38.5			
Unfilled orders, end of month ... thousands	7,008	7,904	9,358	12,793	7,229	12,630	11,587	−43.5	−37.6			
Floor and wall tile:												
Production ... thous. of sq. ft	3,563	[4] 3,455	[4] 3,412	3,804		6,162	6,562			[3] 17,475	[3] 10,671	−38.9
Shipments, quantity ... thous. of sq. ft	3,122	[4] 3,307	[4] 3,155	3,818		5,251	6,178			[3] 13,923	[3] 10,280	−26.2
Shipments, value ... thous. of dolls	1,314	[4] 1,339	[4] 1,253	1,445		2,044	2,376			[3] 5,414	[3] 4,037	−25.4
Stocks, end of month ... thous. of sq. ft	17,641	[4] 17,977	18,148	18,299		18,145	18,609					
Terra cotta, new orders:												
Quantity ... net tons	8,307	8,048	5,900	5,656	7,502	9,961	12,949	+32.6	−42.1	44,236	27,106	−38.7
Value ... thous. of dolls	870	839	636	578	743	1,172	1,472	+28.5	−49.5	4,930	2,796	−43.3
Plate glass:												
Production, polished ... thous. of sq. ft	8,482	10,018	9,804	10,416	11,430	13,144	12,555	+9.7	−9.0	48,414	41,668	−13.9
Roofing												
Roofing, felt:												
Production, dry felt ... tons	16,191	21,042	15,743	19,390		28,153	30,177			102,434		
Stocks, end of month, dry felt ... tons	4,970	6,382	7,087	6,811		3,102	2,907					
Prepared roofing, shipments:												
Total ... thous. of sqs	2,035	2,383	1,356	2,240	2,727	4,239	4,582	+21.7	−40.5	14,615	8,706	−40.4
Smooth roll ... thous. of sqs	950	1,225	709	1,062	1,191	2,084	2,063	+12.1	−42.3	7,271	4,186	−42.4
Grit roll ... thous. of sqs	509	493	338	581	676	1,039	1,118	+16.4	−39.5	3,359	2,088	−37.8
Shingles—												
Strip, patented, and hexagon ... thous. of sqs	482	598	252	484	715	948	1,167	+47.7	−38.7	3,375	2,049	−39.3
Individual and single thickness ... thous. of sqs	94	67	57	113	144	167	235	+27.4	−38.7	611	381	−37.6
BUILDING EQUIPMENT												
Enamel Ware												
Baths:												
Shipments ... pieces	46,715	40,967	46,204	59,887	60,072	82,897	93,894	+0.3	−36.0	312,427	207,130	−33.7
Stocks, end of month ... pieces	163,728	173,523	179,512	179,910	182,616	215,000	208,512	+1.5	−12.4			
New orders ... pieces	52,592	32,558	64,732	68,672	55,366	99,039	99,070	−19.4	−44.1	339,097	221,328	−34.7
Unfilled orders, end of month ... pieces	40,568	29,774	49,637	56,420	51,740	54,746	58,015	−8.3	−10.8			
Lavatories:												
Shipments ... pieces	66,300	53,122	60,603	81,208	74,568	94,321	104,199	−8.2	−28.4	360,641	269,501	−25.3
Stocks, end of month ... pieces	155,189	163,283	166,201	170,629	176,156	278,137	273,284	+3.2	−35.5			
New orders ... pieces	60,575	40,836	101,899	85,950	66,634	107,878	114,819	−22.5	−42.0	391,982	295,319	−24.7
Sinks:												
Shipments ... pieces	65,947	58,343	62,530	79,901	75,113	97,429	109,748	−6.0	−31.6	379,660	275,887	−27.3
Stocks, end of month ... pieces	234,340	251,446	269,281	248,429	260,472	318,069	312,209	+4.8	−16.6			
New orders ... pieces	55,271	49,776	91,348	83,230	70,028	107,127	128,629	−15.9	−45.4	411,269	294,382	−28.4
Miscellaneous sanitary ware:												
Shipments ... pieces	27,642	24,288	26,425	33,174	33,927	36,152	40,544	+2.3	−16.3	151,867	117,814	−22.4
Stocks, end of month ... pieces	122,228	113,355	117,678	145,803	147,219	149,013	147,990	+1.0	−0.5			
New orders ... pieces	25,074	23,009	31,128	36,614	33,496	40,050	45,588	−8.5	−26.5	164,810	124,247	−24.6
Small ware (all except baths):												
Unfilled orders, end of month ... pieces	120,843	86,492	160,775	164,475	151,053	151,113	183,072	−8.2	−17.5			
Vitreous china plumbing fixtures:												
New orders ... pieces	201,858	200,253	257,783	154,808	134,157	207,681	205,870	−13.3	−34.9	1,176,258	747,001	−36.5
Shipments ... pieces	170,381	205,673	180,683	206,265	210,616	256,249	251,920	+2.1	−16.4	1,022,506	803,237	−21.[illegible]
Unfilled orders, end of month ... pieces	441,768	436,348	515,340	463,833	399,480	589,428	543,378	−13.9	−26.5			
Stocks, end of month ... pieces	640,171	632,740	642,888	644,609	635,784	549,410	544,899	−1.4	+16.7			
Porcelain plumbing fixtures:												
Net new orders ... pieces	6,452	10,330	6,721	9,044	6,469	14,479	13,417	−28.5	−51.8	52,842	32,564	−38.4
Shipments ... pieces	4,257	5,327	4,240	5,378	6,502	9,483	12,193	+20.9	−46.7	42,471	21,447	−49.5
Unfilled orders, end of month ... pieces	25,778	30,374	32,781	35,961	35,017	40,047	37,184	−2.6	−5.8			
Stocks, end of month ... pieces	38,226	37,815	39,352	39,198	38,240	46,980	47,315	−2.4	−19.2			
Plumbing fixtures, 6 pieces ... dollars	100.58	100.55	103.69	104.51	105.46	98.51	97.90	+0.9	+7.7			
Illuminating Glassware												
Production:												
Total ... number of turns	3,471	2,847	3,636	2,667	2,532	3,256	3,285	−5.1	−22.9	13,465	10,682	−20.[illegible]
Ratio to capacity ... per ct. of capacity	47.0	35.4	38.1	34.4	37.8	42.9	42.9	+9.9	−11.9			
New orders ... per ct. of capacity	35.1	35.6	35.6	38.6	41.5	46.8	45.3	+7.5	−8.4			
Shipments ... per ct. of capacity	40.0	34.8	36.4	37.1	38.8	41.8	44.9	+4.6	−13.6			
Unfilled orders, end of month ... number of weeks' supply	1.0	1.1	1.1	1.0	1.0	1.1	1.1	0.0	−9.1			
Stocks, end of month ... number of weeks' supply	5.2	5.4	5.5	6.0	5.8	5.5	5.3	−3.3	+9.4			
Furniture												
Household furniture and case goods:												
Shipments ... dolls., average per firm	35,891	46,398	56,664	54,203	47,092	64,527	57,081	−13.1	−17.5	229,939	204,357	−1[illegible]
Unfilled orders ... dolls., average per firm	30,135	46,593	39,067	30,837	22,976	40,469	32,776	−25.5	−29.9			
Grand Rapids district:												
Unfilled orders, end of month ... No. of days' production	32	29	27	24	18	37	34	−25.0	−47.1			
New orders ... No. of days' production	11	21	16	15	13	27	18	−13.3	−27.8			
Shipments ... No. of days' production	18	21	18	16	16	24	19	0.0	−15.8			

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BUILDING EQUIPMENT—Continued												
Furniture—Continued												
Grand Rapids district—Continued.												
Outstanding accounts, end of month.....No. of days, sales..	50	48	31	42	39	49	42	−7.1	−7.1			
Cancellations.....per cent of new orders..	31.0	17.0	11.0	13.0	22.0	6.0	14.0	+69.2	+57.1			
Plant operation.....per cent of full time..	89.0	79.0	72.0	70.0	69.0	93.0	94.0	−1.4	−26.6			
Steel furniture:												
Business group—												
Shipments.....thous. of dolls..	2,782	2,891	2,550	[4] 2,727	2,427	2,975	2,895	−11.0	−16.2	12,819	10,595	−17.3
New orders.....thous. of dolls..	2,583	2,886	2,370	2,627	2,524	2,931	2,933	−3.9	−13.9	12,918	10,407	−19.4
Unfilled orders, end mo.thous. of dolls..	2,166	1,862	1,683	[4] 1,590	1,680	2,354	2,389	+5.7	−29.7			
Shelving—												
Shipments.....thous. of dolls..	856	675	683	812	815	1,110	1,131	+0.4	−27.9	4,117	2,985	−27.5
New orders.....thous. of dolls..	735	725	759	[4] 839	796	1,146	1,095	−5.1	−27.3	4,260	3,119	−26.8
Unfilled orders, end mo.thous. of dolls..	824	706	782	808	782	802	766	−3.2	+2.1			
PLYWOOD AND VENEER												
Plywood:												
New orders.....thous. of sq. ft. of surface..	6,465	9,258	4,585	3,911								
Shipments.....thous. of sq. ft. of surface..	4,150	5,120	4,810	4,289								
Unfilled orders, end of month.thous. of sq. ft. of surface..	10,984	14,641	13,416	12,422								
Rotary-cut veneer:												
Receipts.....number of carloads..	214	149	209	203	181	143	307	−10.8	−41.0	765	742	−3.0
Purchases.....number of carloads..	161	207	211	120	122	451	256	+1.7	−52.3	1,134	660	−41.8
Bushel baskets:												
Production.....dozens..	194,958	121,580	152,751			187,881	224,835					
Shipments.....dozens..	170,138	84,212	101,721			140,205	149,055					
Stocks, end of month.....dozens..	558,489	395,866	446,004			480,769	565,598					
GLASS CONTAINERS												
Actual production:												
Quantity.....gross..	1,963	2,336	2,074	2,527	2,419	2,574	2,519	−4.3	−4.0	9,721	9,356	−3.7
Relation to capacity.....per cent..	62.0	70.1	67.3	75.8	71.9	78.8	79.1	−5.1	−9.1			
New orders.....gross..	4,171	4,056	2,363	2,165	2,550	2,562	2,408	+17.8	+5.9	10,856	11,134	+2.6
Shipments.....gross..	1,705	2,110	2,011	2,437	2,564	2,530	2,546	+5.2	+0.7	9,650	9,122	−5.5
Unfilled orders, end of month.....gross..	11,434	13,011	12,636	12,111	11,922	10,518	10,214	−1.6	+16.7			
Stock, end of month.....gross..	6,648	6,858	6,868	6,962	6,809	6,595	6,588	−2.2	+3.4			
CHEMICALS AND OILS												
Chemicals												
Sulphuric acid:												
Exports.....thous. of lbs..	914,769	882,315	344,127	335,773	327,918	704,726	634,959	−2.3	−48.4	2,395,741	1,890,133	−21.1
Price, wholesale.....dolls. per 100 lbs..	.78	.78	.78	.78	.78	.78	.78	0.0	0.0			
Nitrate of soda:												
Imports.....long tons..	65,569	89,421	85,837	106,521	69,788	101,297	119,620	−34.5	−41.7	450,919	351,567	−22.0
Production in Chile..... metric tons..	285,500	280,000	233,900	244,000	205,200	279,100	272,200	−15.9	−24.6	1,081,300	963,100	−10.9
Potash salts:												
Imports (commercial).....long tons..	23,237	44,077	40,811	[4] 39,947	21,036	22,116	21,299	−47.3	−1.2	96,628	145,871	+51.0
Production in France (K_2O content).....metric tons..	45,000	49,900	45,600	48,650		39,693	38,990			[3] 119,599	[3] 144,150	+20.5
Sales in Germany (K_2O content).....metric tons..	99,594	186,000	202,711	180,000		233,000	112,535			[3] 542,412	[3] 568,711	+4.8
Superphosphate (acid phosphate):												
Production.....short tons..	354,226	445,128	[4] 355,815	335,779		[4] 279,889	286,897			929,690	800,943	−13.8
Stocks, end of month.....short tons..	2,002,935	2,224,138	[4] 2,260,145	1,636,094		[4] 1,512,072	831,841					
Shipments.....short tons..	77,269	116,759	[4] 189,022	414,378		[4] 403,738	468,200			698,978	305,781	−56.3
Fertilizer:												
Exports.....long tons..	147,483	104,221	163,776	153,539	188,044	165,551	136,937	+22.5	+37.3	502,747	609,580	+21.2
Consumption, Southern States.short tons..	94,958	504,440	1,071,004	1,877,961	1,279,874	2,117,969	1,258,114	−31.8	+1.7	4,645,941	4,733,279	+1.9
Crude arsenic:												
Production.....short tons..	2,049	1,079	1,933	1,692	1,350	1,307	1,382	−20.2	−2.3	5,087	6,054	+19.0
Stocks, end of month.....short tons..	3,774	3,677	4,576	4,514	4,159	2,418	2,451	−7.9	+69.7			
Refined arsenic:												
Production.....short tons..	1,063	742	808	864	1,084	945	836	+25.5	+29.7	3,594	3,498	−2.7
Stocks, end of month.....short tons..	4,131	3,879	3,157	3,131	2,889	3,458	3,316	−7.7	−12.9			
Dyes and dyestuffs, exports:												
Vegetable.....thous. of lbs..	193	151	182	119	218	157	160	+83.2	+36.3	597	670	+12.2
Coal tar.....thous. of lbs..	24	2,052	2,320	3,347	3,349	2,305	26	+0.1		2,418	11,068	+357.7
Price index numbers:												
Crude drugs.....rel. to Aug., 1914..	172	170	169	167	166	194	187	−0.6	−11.2			
Essential oils.....rel. to Aug., 1914..	146	133	123	118	115	206	205	−2.5	−43.9			
Drugs and pharmaceuticals.....rel. to Aug., 1914..	177	177	176	176	176	164	164	0.0	+7.3			
Chemicals.....rel. to 1927..	100	99	98	98	97	101	100	−1.0	−3.0			
Oils and fats.....rel. to 1927..	98	94	95	92	94	101	98	+2.2	−4.1			
Wood Chemicals												
Acetate of lime:												
Production—												
United States.....thous. of lbs..	11,666	11,798	[4] 9,683	[4] 11,162	9,807	12,397	12,071	−12.1	−18.8	47,863	42,450	−11.3
Canada.....thous. of lbs..	1,246	1,545	1,164	[4] 1,077	1,104	1,150	1,032	+2.5	+7.0	4,535	4,891	+7.9
Shipments—												
United States.....thous. of lbs..	6,729	3,921	4,616	[4] 8,087	6,558	12,230	12,227	−18.9	−46.4	47,090	23,181	−50.8
Canada.....thous. of lbs..	248	178	593	[4] 413	668	1,165	1,066	+61.7	−37.3	4,520	1,852	−59.0
Stocks, end of month—												
United States.....thous. of lbs..	7,761	15,536	[4] 20,814	[4] 24,098	27,555	1,932	1,636	+14.3				
Canada.....thous. of lbs..	1,111	2,498	3,140	[4] 3,705	3,845	172	96	+3.8				
Exports.....thous. of lbs..						17				75		
Price, wholesale.....dolls. per cwt..	4.50	4.50	4.50	4.50	4.50	4.50	4.50	0.0	0.0			

[3] Cumulative through Mar. 31.

Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
CHEMICALS AND OILS—Continued												
Wood Chemicals—Continued												
Methanol, crude:												
Production—												
United States ... gallons	830,331	715,886	[4] 615,006	[4] 651,438	617,031	725,662	746,007	−5.3	−17.3	2,857,849	2,589,361	−9.0
Canada ... gallons	57,587	65,090	53,587	[4] 46,844	50,498	51,303	42,183	+7.8	+19.7	192,478	216,019	+12.2
Stocks at crude plants, end of month—												
United States ... gallons	247,360	389,876	[4] 507,818	[4] 646,181	704,941	275,361	186,036	+9.1	+278.9			
Canada ... gallons	26,580	38,408	27,033	[4] 30,261	14,681	30,003	16,697	−51.5	−12.1			
Stocks at refineries and in transit—												
United States ... gallons	728,473	903,304	838,421	864,600	807,754	147,531	172,755	−6.6	+367.6			
Canada ... gallons	11,518	9,038	16,400	17,299	10,763	59,623	66,218	−37.8	−83.7			
Exports ... gallons	11,791	47,571	15,691	56,113	101,033	28,478	57,134	+80.1	+76.8	166,740	220,408	+32.2
Wood at chemical plants:												
Consumption—												
United States ... cords	70,279	73,326	[4] 60,559	[4] 68,045	61,999	74,504	74,936	−8.9	17.3	292,508	263,929	−9.8
Canada ... cords	6,720	7,625	5,880	[4] 5,308	5,426	6,289	5,244	+2.2	+3.5	23,987	24,239	+1.1
Stocks, end of month—												
United States ... cords	486,236	601,972	[4] 490,157	[4] 477,011	512,351	457,884	488,969	+7.4	+4.8			
Canada ... cords	70,756	71,022	80,717	[4] 79,267	70,767	73,976	73,496	−10.7	−3.7			
Daily capacity—												
Total ... cords	3,246	3,246	3,246	3,246	3,258	3,336	3,336	+0.4	−2.3			
Shutdown ... cords	302	222	416	535	612	324	383	+14.4	+59.8			
Methanol, refined:												
Production—												
United States ... gallons	432,978	248,723	394,647	398,476	424,295	494,435	502,010	+6.5	−15.5	1,940,746	1,466,141	−25.5
Canada ... gallons	72,200	41,500	47,100	44,200	55,600	47,500	35,300	+25.8	+57.5	190,300	188,400	−1.0
Stocks, end of month—												
United States ... gallons	795,868	695,155	705,258	632,705	670,764	681,815	695,180	+6.0	−3.5			
Canada ... gallons	32,175	28,405	37,630	40,905	57,414	36,149	48,226	+40.4	+19.1			
Shipments—												
United States ... gallons	478,056	425,071	451,173	522,153	530,584	518,906	568,118	+1.6	−6.6	2,060,269	1,928,981	−6.4
Canada ... gallons	34,803	41,274	30,484	33,688	26,760	43,885	14,576	−20.6	+83.6	139,713	132,206	−5.4
Price, wholesale, N. Y. ... dolls. per gal	.51	.47	.46	.43	.40	.58	.58	−7.0	−31.0			
Ethyl Alcohol												
Production ... thous. of gals	16,262	11,601	10,943	10,151	12,221	14,858	14,709	+20.4	−16.9	58,679	44,916	−23.5
Withdrawn for denaturization ... thous. of gals	18,861	11,174	9,801	8,881	10,585	13,090	12,003	+19.2	−11.8	50,817	40,441	−20.4
Warehouse stocks, end of month ... thous. of gals	8,199	7,298	7,496	7,616	8,074	10,424	11,723	+6.0	−31.1			
Explosives												
(Black powder, permissible, and other high explosives)												
Production ... thous. of lbs	31,015	31,986	33,244	30,221	30,967	34,485	36,077	+2.5	−14.2	139,550	126,418	−9.4
Shipments ... thous. of lbs	29,236	31,709	31,574	30,534	34,071	33,168	36,458	+11.6	−6.5	139,524	127,888	−8.3
New orders ... thous. of lbs	29,784	30,828	30,584	30,059	33,204	32,543	34,786	+10.5	−4.5	135,017	124,675	−7.7
Stocks, end of month ... thous. of lbs	18,311	18,636	20,522	20,295	18,566	20,366	20,119	−8.5	−7.7			
Naval Stores												
Turpentine (gum):												
Net receipts, southern ports ... barrels	28,921	10,237	5,075	9,779	27,999	8,440	31,610	+186.3	−11.4	52,983	53,090	+0.2
Stocks at port, end of month ... barrels	68,432	58,485	45,338	40,078	35,053	48,396	52,687	−12.5	−33.4			
Price, southern, New York ... dolls. per gal	.54	.55	.55	.56	.54	.58	.54	−3.6	0.0			
Rosin (gum):												
Net receipts, southern ports ... barrels	128,057	50,791	30,605	40,401	86,873	37,733	100,454	+115.0	−13.5	212,674	208,670	−1.9
Stocks at 3 ports, end of month ... barrels	257,595	221,568	184,451	149,232	135,958	100,722	[4] 108,335	−8.9	+25.5			
Price, B, New York ... dolls. per bbl	8.26	8.05	7.59	7.26	6.78	7.86	7.41	−6.6	−8.5			
Rosin (wood):												
Production ... barrels	36,628	40,954	39,615	44,964	43,919	37,361	36,150	−2.3	+21.5	144,428	169,452	+17.3
Stocks, end of month ... barrels	88,909	90,258	88,385	91,498	97,168	128,665	124,192	+6.2	−21.8			
Turpentine (wood):												
Production ... barrels	7,068	7,510	7,478	8,129	8,363	7,059	6,917	+2.1	+20.0	27,759	31,420	+13.2
Stocks, end of month ... barrels	8,889	10,581	12,190	14,126	15,854	6,773	5,356	+12.2	+196.0			
Pine oil:												
Production ... gallons	216,330	254,894	238,944	280,560	253,049	235,445	212,720	−9.8	+19.0	891,568	1,027,447	+15.2
Stocks, end of month ... gallons	980,202	1,005,571	1,096,756	1,211,827	1,278,382	888,915	895,099	+5.5	+42.8			
Fats and Oils												
Total vegetable oils and copra:												
Exports ... thous. of lbs	3,828	4,666	3,814	4,618	3,753	2,608	1,575	−18.7	+138.3	10,704	16,851	+57.4
Imports ... thous. of lbs	80,124	84,194	67,603	84,600	67,133	85,328	106,331	−20.6	−36.9	346,045	303,530	−12.3
Copra, imports ... short tons	15,022	18,488	26,376	29,748	16,649	31,587	29,878	−44.0	−44.3	107,138	91,261	−14.8
Copra or coconut oil:												
Imports ... thous. of lbs	39,775	37,699	19,213	32,771	21,943	30,842	30,319	−33.0	−27.6	131,589	111,626	−15.2
Consumption in oleomargarine ... thous. of lbs	17,917	18,490	14,356	14,164	15,379	15,587	14,932	+8.6	+3.0	61,195	62,389	+2.0
Oleomargarine:												
Production ... thous. of lbs	32,883	32,540	28,402	26,023	28,627	29,718	28,704	+10.0	−0.3	116,839	115,592	−1.1
Consumption ... thous. of lbs	32,145	30,309	30,793	23,890	29,654	28,260	27,067	+24.1	+9.6	115,887	114,646	−1.1
Animal glues, shipments ... thous. of lbs	5,757	6,613	5,214	5,165		6,825	7,259			[3] 19,368	[3] 16,992	−12.3
Cottonseed												
Cottonseed:												
Receipts at mills ... short tons	566,192	321,230	287,464	203,048	95,981	107,791	[4] 39,172	−52.7	+145.0	722,688	907,723	+25.6
Consumption (crush) ... short tons	618,821	665,552	520,030	400,478	227,517	366,748	[4] 236,096	−43.2	−3.6	1,862,667	1,813,577	−2.6
Stocks at mills, end of month ... short tons	1,106,566	760,745	528,006	330,560	198,598	388,079	[4] 191,155	−39.9	+3.9			
Cottonseed oil, crude:												
Production ... thous. of lbs	192,001	207,046	163,759	129,753	76,628	120,189	[4] 80,497	−40.9	−4.8	603,099	577,186	−4.3
Stocks, end of month ... thous. of lbs	116,150	126,525	109,070	101,922	62,184	107,121	[4] 80,494	−39.0	−22.7			

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
CHEMICALS AND OILS—Continued												
Cottonseed—Continued												
Cottonseed oil, refined:												
Production ... thous. of lbs.	187,050	172,089	160,524	116,965	107,970	126,884	[4] 101,603	−7.7	+6.3	600,298	557,548	−7.1
Stocks, end of month ... thous. of lbs.	422,335	465,226	512,572	535,891	516,700	585,343	[4] 570,717	−3.6	−9.5			
Price, yellow, prime, New York ... dolls. per lb.	.087	.084	.084	.084	.087	.106	.102	+3.6	−14.7			
Consumption in oelomargarine ... thous. of lbs.	3,511	2,629	2,351	2,567	2,483	2,387	2,362	−3.3	+5.1	9,346	10,030	+7.3
Cottonseed cake and meal:												
Production ... short tons	272,531	297,234	227,931	179,864	103,894	167,527	[4] 106,253	−42.2	−2.2	846,828	808,923	−4.5
Stocks, end of month ... short tons	203,554	206,062	205,909	170,184	120,258	238,654	[4] 226,210	−29.3	−46.8			
Exports ... short tons	30,894	25,063	4,918	4,852		23,790	6,675			[3] 84,936	[3] 34,833	−59.0
Flaxseed												
Minneapolis and Duluth:												
Receipts ... thous. of bushs.	575	251	119	172	146	369	270	−15.1	−45.9	1,354	688	−49.2
Shipments ... thous. of bushs.	592	163	162	133	171	351	219	+28.6	−21.9	1,252	629	−49.8
Stocks, end of month ... thous. of bushs.	882	877	745	705	624	603	478	−11.5	+30.5			
Imports ... thous. of bushs.	1,290	1,074	2,279	3,233	2,527	2,737	3,911	−21.8	−35.4	10,588	9,113	−13.9
Mill receipts at Duluth-Superior ... thous. of bushs.	4,919		2,938			13	7					
Price No. 1, Minneapolis ... dolls. per bush.	3.22	3.08	3.05	2.92	2.92	2.49	2.45	0.0	+19.2			
Linseed oil:												
Shipments from Minneapolis ... thous. of lbs.	5,043	5,198	5,493		9,141	14,602	14,237					
Price, New York ... dolls. per lb.	.147	.140	.141	.140	.143	.102	.101	+2.1	+41.6			
Linseed cake and meal:												
Shipments from Minneapolis ... thous. of lbs.	18,977	20,859	13,600		8,604	19,427	16,917					
Exports ... thous. of lbs.	48,745	52,833	33,970	52,082	48,716	77,748	472,056	−6.5	−32.4	239,755	187,601	−21.8
FOODSTUFFS												
Wheat												
Visible supply, end of month:												
United States ... thous. of bushs.	185,113	168,925	160,375	153,290	136,358	125,351	117,079	−11.0	+16.5			
Canada ... thous. of bushs.	217,903	210,643	202,282	192,754	177,424	181,676	167,837	−8.0	+5.7			
Receipts, principal markets ... thous. of bushs.	22,887	17,530	19,920	16,683	13,441	27,220	17,472	−19.4	−23.1	95,927	67,574	−29.6
Shipments, principal markets ... thous. of bushs.	16,402	14,170	11,234	12,160	13,291	16,926	15,697	+9.3	−15.3	64,577	50,855	−21.2
Production, crop estimate:												
Winter wheat ... thous. of bushs.					[5] 525,070		[6] 578,336					
Exports:												
United States—												
Wheat only ... thous. of bushs.	7,067	8,245	5,185	2,414	3,050	3,487	3,492	+26.3	−22.6	14,042	18,894	+34.6
Including wheat flour ... thous. of bushs.	12,121	13,825	9,350	7,113	7,252	9,153	8,930	+2.0	−18.8	36,346	37,540	+3.3
Canada—												
Including wheat flour ... thous. of bushs.	18,684	7,258	8,898	14,657	5,458	27,566	10,544	−62.8	−48.3	82,861	36,271	−56.2
Prices:												
No. 1, Northern Spring, Minneapolis ... dolls. per bush.	1.31	1.27	1.25	1.12	1.11	1.25	1.20	−0.9	−7.5			
No. 2, Red Winter, St. Louis ... dolls. per bush.	1.35	1.34	1.23	1.18	1.17	1.35	1.25	−0.8	−6.4			
No. 2, Hard Winter, Kansas City ... dolls. per bush.	1.21	1.19	1.13	1.02	1.01	1.16	1.10	−1.0	−8.2			
Wheat Flour												
Grindings of wheat:												
United States ... thous. of bushs.	41,062	43,812	40,506	[4] 43,083	41,852	42,004	39,475	−2.9	+6.0	168,538	169,253	+0.4
Canada ... thous. of bushs.	4,837	5,201	4,702	5,475	5,429	7,455	7,339	−0.8	−26.0	29,874	20,807	−30.4
Production:												
United States, actual ... thous. of bbls.	8,905	9,510	8,783	[4] 9,347	9,070	9,207	8,636	−3.0	+5.0	36,883	36,710	−0.5
United States, prorated ... thous. of bbls.	9,770	9,948	9,323	10,207	9,749	10,360	9,938	−4.5	−1.9	41,132	39,227	−4.6
Canada ... thous. of bbls.	1,073	1,168	1,051	1,219	1,215	1,631	1,606	−0.3	−24.3	6,535	4,653	−28.8
Grain offal, production ... thous. of lbs.	728,157	772,726	717,926	[4] 763,376	742,592	725,848	683,046	−2.7	+8.7	2,918,373	2,996,620	+2.7
Capacity operated, flour mills ... per cent	54	56	58	55	53	54	51	−3.6	+3.9			
Consumption (computed) ... thous. of bbls.	8,043	9,808	8,098	9,163	8,615	9,101	8,530	−6.0	+1.0	35,846	35,684	−0.5
Stocks, all positions, end of month (computed) ... thous. of bbls.	9,100	8,000	8,800	8,800	9,000	7,400	7,700	+2.3	+16.9			
Exports:												
United States ... thous. of bbls.	1,123	1,240	925	1,044	934	1,259	1,108	−10.5	−15.7	4,956	4,143	−16.4
Canada ... thous. of bbls.	605	503	481	681	451	1,413	720	−33.8	−37.4	4,064	2,116	−47.9
Wholesale prices:												
Standard patents, Minn. ... dolls. per bbl.	6.88	6.75	6.39	6.23	6.09	6.67	6.41	−2.2	−5.0			
Winter, straights, Kansas City ... dolls. per bbl.	5.95	5.84	5.63	5.26	5.40	5.72	5.58	+2.7	−3.2			
Corn												
Exports, including meal ... thous. of bushs.	870	819	916	1,122	1,030	5,021	2,560	−8.2	−59.8	28,025	3,887	−86.1
Visible supply, end of month ... thous. of bushs.	8,469	16,286	24,270	25,129	21,452	37,100	30,991	−14.6	−30.8			
Receipts, principal markets ... thous. of bushs.	31,221	31,344	29,564	20,679	22,114	21,562	16,433	+10.2	+34.6	107,100	103,701	−3.2
Shipments, prin. markets ... thous. of bushs.	15,493	16,438	13,785	14,133	18,043	13,461	17,677	+27.7	+2.1	64,927	62,399	−3.9
Grinding (starch, glucose) ... thous. of bushs.	6,053	7,622	6,568	6,065	6,615	7,085	6,044	+9.1	+9.4	30,212	26,870	−11.1
Prices:												
No. 3, Yellow, Chicago ... dolls. per bush.	.88	.85	.82	.80	.82	.94	.90	+2.5	−8.9			
No. 3, Yellow, Kansas City ... dolls. per bush.	.84	.82	.78	.76	.80	.88	.85	+5.3	−5.9			
No. 3, White, Chicago ... dolls. per bush.	.88	.86	.84	.81	.84	.94	.91	+3.7	−7.7			

[3] Comulative through Mar. 31. [4] Revised. [5] As of May 1. [6] Final estimate for 1929.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
FOODSTUFFS—Continued												
Oats												
Receipts, principal markets...thous. of bushs..	7,084	6,741	7,336	8,736	9,544	8,535	9,494	+9.2	+0.5	37,510	32,357	−13.7
Visible supply, end of month.thous. of bushs..	29,314	25,220	22,527	18,929	16,765	14,071	12,204	−11.4	+37.4			
Exports, including meal.....thous. of bushs..	443	377	389	224	259	839	662	+15.6	−60.9	3,534	1,249	−64.7
Price, No. 3, white, Chicago..dolls. per bush..	.45	.45	.44	.43	.43	.48	.48	0.0	−10.4			
Grindings, Canada.....thous. of bushs..	793	661	838	798	706	925	776	−11.5	−9.0	3,450	3,003	−13.0
Production, oatmeal and rolled oats, Canada.....thous. of lbs..	8,891	7,318	10,263	[4] 9,650	8,106	12,133	8,987	−16.0	−9.8	42,786	35,337	−17.4
Barley												
Receipts, principal markets...thous. of bushs..	3,848	2,826	3,080	3,153	2,742	3,891	3,450	−13.0	−20.0	16,271	11,801	−27.5
Visible supply, end of month.thous. of bushs..	9,927	4,894	8,545	7,837	6,511	8,459	6,849	−16.9	−4.9			
Exports.....thous. of bushs..	1,213	734	1,017	569	778	2,209	1,862	+36.7	−58.2			
Price, No. 2, Minneapolis.....dolls. per bush..	.59	.58	.57	.55	.56	.67	.65	+1.8	−13.8			
Rye												
Receipts, principal markets...thous. of bushs..	5,946	1,250	505	598	337	914	1,064	−43.6	−68.3	4,142	2,690	−35.1
Visible supply, end of month.thous. of bushs..	8,656	9,184	9,389	11,175	13,427	6,725	6,632	+20.2	+102.5			
Exports, including flour.....thous. of bushs..	26	28	36	64	47	97	32	−26.6	+46.9	452	175	−61.3
Price, No. 2, Minneapolis.....dolls. per bush..	.98	.91	.78	.66	.68	1.00	.89	+3.0	−23.6			
Production, crop estimate....thous. of bushs..					[5] 46,831		[6] 40,629					
Total Grains												
Total grains exports, incl. flour.thous. of bushs..	14,673	15,783	11,707	9,093	9,367	17,319	14,046	+3.0	−33.3	77,949	45,950	−41.1
Rice												
Southern paddy, receipts at mills.....bbls..	797,381	869,702	961,209	283,753		439,439	429,389			[3] 1,652,213	[3] 2,114,664	+28.0
Shipments:												
Total from mills.....pockets (100 lbs.)..	1,023,346	1,073,165	1,005,421	793,008		766,365	745,097			[3] 2,555,991	[3] 2,871,594	+12.3
New Orleans.....pockets (100 lbs.)..	132,592	88,638	81,050	80,506	63,189	116,548	131,246	−21.5	−1.9	516,591	313,383	−39.3
Stocks, end of month.....pockets (100 lbs.)..	2,439,182	2,317,594	2,360,083	1,899,421		2,057,678	1,763,837					
Exports.....pockets (100 lbs.)..	420,212	323,281	221,954	209,915	152,572	428,450	378,971	−27.3	−59.7	1,680,720	907,722	−46.0
Imports.....pockets (100 lbs.)..	53,488	34,334	20,273	25,889	19,755	18,647	21,356	−23.7	−7.5	145,847	100,251	−31.3
Fruits and Vegetables												
Apples:												
Cold-storage holdings, end of month.....thous. of bbls..	7,967	6,034	4,259	[4] 2,596	1,297	2,718	1,257	−50.0	+3.2			
Car-lot shipments.....carloads..	5,729	6,095	6,314	5,166	3,607	5,379	2,918	−30.2	+23.6	23,650	21,182	−10.4
Potatoes, car-lot shipments.....carloads..	14,826	19,857	19,593	21,681	19,350	22,334	19,341	−10.8		81,022	80,481	−0.7
Onions, car-lot shipments.....carloads..	2,232	3,277	2,743	2,260	2,874	1,497	4,141	+27.2	−30.6	9,865	11,154	+13.1
Citrus fruits, car-lot shipments.....carloads..	10,927	10,091	10,187	10,705	9,653	15,144	16,713	−9.8	−42.2	60,421	40,636	−32.7
Hay												
Receipts.....number of cars..	5,048	6,107	6,071			5,981	4,733					
Cattle and Beef												
Cattle movements, primary markets:												
Receipts.....thousands..	1,555	1,639	1,326	1,547	1,644	1,450	[4] 1,752	+6.3	−6.2	6,036	6,156	+2.0
Shipments, total.....thousands..	627	623	508	592	639	497	[4] 647	+7.9	−1.2	2,110	2,362	+11.9
Shipments, stocker and feeder.thousands..	255	233	201	207	255	162	292	+23.2	−12.7	749	896	+19.6
Local slaughter.....thousands..	923	995	806	919	1,016	928	[4] 1,084	+10.6	−6.3	3,863	3,736	−3.3
Beef products:												
Production, inspected.....thous. of lbs..	370,843	408,525	327,527	358,129	373,813	371,942	[4] 392,785	+4.4	−4.8	1,513,260	1,467,994	−3.0
Apparent consumption.....thous. of lbs..	364,142	415,507	333,556	[4] 371,113	393,799	389,662	[4] 415,181	+6.1	−5.2	1,575,022	1,513,975	−3.9
Exports.....thous. of lbs..	1,175	1,292	1,133	1,431	1,360	1,614	1,073	−5.0	+26.7	5,079	5,216	+2.7
Cold-storage holdings, end of month.....thous. of lbs..	103,883	99,020	95,598	[4] 88,743	80,374	81,607	70,714	−9.4	+13.7			
Prices:												
Cattle, corn-fed, Chicago.dolls. per 100 lbs..	12.13	12.47	12.53	12.80	12.56	12.84	13.88	−1.9	−9.5			
Steer rounds, No. 2.....dolls. per lb..	.240	.240	.236	.240	.239	.211	.224	−0.4	+6.7			
Western dressed steers, N.Y..dolls. per lb..	.235	.235	.223	.215	.220	.217	.225	+2.9	−2.2			
Hogs and Pork												
Hog movements, primary markets:												
Receipts.....thousands..	4,256	4,720	3,791	3,294	3,255	3,436	[4] 3,582	−1.2	−9.1	16,151	15,060	−6.8
Shipments, total.....thousands..	1,449	1,797	1,491	1,451	1,280	1,365	[4] 1,277	−11.8	+0.2	6,008	6,019	+0.2
Shipments, stocker and feeder.thousands..	53	38	56	58	57	72	73	−1.7	−21.9	241	209	−13.3
Local slaughter.....thousands..	2,801	2,905	2,297	1,853	1,980	2,073	[4] 2,291	+6.9	−13.6	10,114	9,035	−10.7
Pork products, total:												
Production, inspected.....thous. of lbs..	851,300	874,334	705,032	589,968	603,184	635,791	655,418	+2.2	−8.0	3,035,365	2,772,518	−8.7
Apparent consumption.....thous. of lbs..	602,470	692,820	489,976	[4] 531,873	566,978	551,810	559,351	+6.6	+1.4	2,276,812	2,281,647	+0.2
Exports.....thous. of lbs..	104,377	105,817	97,263	97,898	77,466	102,276	89,813	−20.9	−13.7	408,543	378,444	−7.4
Cold-storage holdings, end of month:												
Total.....thous. of lbs..	703,084	779,277	897,478	[4] 858,063	817,278	1,101,389	1,108,306	−4.8	−26.3			
Fresh and cured.....thous. of lbs..	620,986	687,106	785,564	[4] 752,996	712,397	921,961	923,558	−5.4	−22.9			
Lard (including in pork products):												
Production.....thous. of lbs..	176,607	177,251	147,725	124,129		133,923	137,953			[3] 512,618	[3] 449,105	−12.4
Exports.....thous. of lbs..	80,053	73,291	65,953	66,533	50,045	70,572	59,144	−24.8	−15.4	285,777	255,822	−10.5
Cold-storage holdings, end of month.....thous. of lbs..	82,098	92,171	111,914	[4] 105,067	104,881	179,428	184,748	−0.2	−43.2			
Prices:												
Hogs, heavy, Chicago...dolls. per 100 lbs..	9.47	9.61	10.41	9.83	9.98	11.39	11.46	+1.5	−12.9			
Ham, smoked, Chicago.....dolls. per lb..	.215	.239	.252	.243	.229	.238	.248	−5.8	−7.7			
Lard, prime contract, N. Y..dolls. per lb..	.108	.109	.112	.107	.107	.125	.122	0.0	−12.3			

[3] Cumulative through Mar. 31. [4] Revised. [5] As of May 1. [6] Final estimate for 1929.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
FOODSTUFFS—Continued												
Sheep and Lambs												
Sheep movement, primary market:												
Receipts.....thousands..	1,703	1,903	1,796	2,151	2,230	1,527	[4] 2,012	+3.7	+10.8	6,960	8,080	+16.1
Shipments, total.....thousands..	732	786	735	936	975	699	954	+4.2	+2.2	3,173	3,432	+8.2
Shipments, stocker and feeder.thousands..	183	126	101	99	134	122	210	+35.4	−36.2	635	460	−27.6
Local slaughter.....thousands..	967	1,111	1,041	1,210	1,278	836	[4] 1,051	+5.6	+21.6	3,768	4,640	+23.1
Lamb and mutton:												
Production, inspected.....thous. of lbs..	43,742	50,289	49,564	56,494	55,602	40,888	44,575	−1.6	+24.7	169,372	211,949	+25.1
Apparent consumption.....thous. of lbs..	43,605	50,814	48,762	[4] 56,726	55,493	41,330	46,183	−2.2	+20.2	174,560	211,795	+21.3
Cold-storage holdings, end of month.....thous. of lbs..	7,317	4,667	5,408	[4] 5,174	5,191	3,109	2,533	+0.3	+104.9	.....	.....	.....
Prices:												
Sheep, ewes, Chicago....dolls. per 100 lbs..	4.94	6.26	5.18	5.14	5.13	8.42	9.18	−0.2	−44.1	.....	.....	.....
Sheep, lambs, Chicago..dolls. per 100 lbs..	12.00	12.68	10.44	9.73	8.94	16.19	16.45	−8.1	−45.7	.....	.....	.....
Miscellaneous Meats												
Cold-storage holdings, end of mo.thous. of lbs..	89,742	89,144	89,970	85,868	83,043	90,129	88,314	−3.3	−6.0	.....	.....	.....
Total Meats												
Production, inspected.....thous. of lbs..	1,265,885	1,333,148	1,082,124	1,004,590	1,032,598	1,048,621	[4] 1,092,778	+2.8	−5.5	4,717,997	4,452,460	−5.6
Cold-storage holdings, end of mo.thous. of lbs..	902,026	972,108	1,088,454	[4] 1,037,848	985,886	1,276,234	1,269,867	−5.0	−22.4	.....	.....	.....
Apparent consumption.....thous. of lbs..	1,010,217	1,159,141	872,294	[4] 959,712	1,016,270	982,802	1,020,718	+5.9	−0.4	4,026,593	4,007,417	−0.5
Poultry												
Receipts at 5 markets.....thous. of lbs..	77,325	33,386	24,800	16,954	17,847	17,116	16,846	+5.3	+5.9	85,603	92,987	+8.6
Cold-storage holdings, end of mo.thous. of lbs..	140,723	141,552	133,172	[4] 105,708	77,467	68,728	52,901	−26.7	+46.4	.....	.....	.....
Fish												
Total catch, prin. ports.....thous. of bbls..	18,074	23,918	27,583	33,166	36,799	27,759	29,042	+11.0	+26.7	96,861	121,466	+25.4
Cold-storage holdings, 15th of mo.thous. of lbs..	75,847	62,428	49,797	35,536	25,186	37,744	[4] 31,687	−29.1	−20.5	.....	.....	.....
Canned salmon:												
Shipments, United States.....cases..	553,078	505,831	371,960	371,070	.....	364,414	109,690	.....	.....	[3] 1,316,574	[3] 1,248,861	−5.1
Exports, Canada.....cases..	159,488	71,285	91,823	85,427	29,183	89,225	49,177	−65.8	−40.7	417,054	277,718	−33.4
Butter												
Production (factory).....thous. of lbs..	94,350	103,949	96,206	108,619	126,255	105,171	124,616	+16.2	+1.3	417,041	435,029	+4.3
Receipts, 5 markets.....thous. of lbs..	39,843	43,507	41,014	47,179	50,595	46,186	48,707	+7.2	+3.9	181,375	182,295	+0.5
Cold-storage holdings, creamery, end of month.....thous. of lbs..	81,935	60,230	46,530	[4] 30,556	22,948	5,532	5,883	−24.9	+290.1	.....	.....	.....
Apparent consumption.....thous. of lbs..	160,464	160,417	141,901	162,969	177,990	157,670	170,745	+9.2	+4.2	629,080	643,277	+2.3
Wholesale price, New York.....dolls. per lb..	.41	.37	.36	.37	.39	.48	.45	+5.4	−13.3	.....	.....	.....
Cheese												
Total, all varieties:												
Production (factory).....thous. of lbs..	22,542	23,807	22,293	25,282	35,380	34,698	39,880	+39.9	−11.3	132,558	106,762	−19.5
Receipts, 5 markets.....thous. of lbs..	10,880	12,525	12,467	12,903	13,026	12,261	12,331	+1.0	+5.6	52,251	50,921	−2.5
Apparent consumption.....thous. of lbs..	35,695	40,424	33,807	36,957	44,680	34,612	39,886	+20.9	+12.0	151,140	155,868	+3.1
Cold-storage holdings, end of month.....thous. of lbs..	80,623	69,223	61,891	[4] 55,343	53,031	58,153	54,618	−4.2	−2.9	.....	.....	.....
Imports.....thous. of lbs..	7,015	5,361	4,395	5,247	7,125	5,423	5,553	+35.8	+28.3	23,954	22,128	−7.6
Exports, United States.....thous. of lbs..	241	181	198	171	199	278	242	+16.4	−17.8	958	749	−21.8
Exports Canada.....thous. of lbs..	4,963	1,552	280	456	229	726	804	−49.8	−71.5	3,744	2,517	−32.8
American whole milk:												
Cold-storage holdings, end of month.....thous. of lbs..	63,478	53,672	47,818	[4] 41,922	39,343	45,105	42,032	−6.2	−6.4	.....	.....	.....
Wholesale price, New York.dolls. per lb..	.23	.21	.21	.21	.21	.24	.24	0.0	−12.5	.....	.....	.....
Eggs												
Receipts, 5 markets.....thous. of cases..	633	917	1,110	2,063	2,631	1,816	2,596	+27.5	+1.3	6,162	6,721	+9.1
Cold-storage holdings, end of month:												
Case.....thous. of cases..	704	139	84	[4] 2,231	5,751	559	3,952	+157.8	+45.5	.....	.....	.....
Frozen.....thous. of lbs..	53,644	44,080	35,192	[4] 49,751	77,134	34,918	51,825	+55.0	+48.8	.....	.....	.....
Milk												
Condensed milk:												
Total stocks, mfrs., end of mo.—												
Case goods.....thous. of lbs..	25,462	21,740	18,671	17,495	20,590	8,677	12,534	+17.7	+64.3	.....	.....	.....
Bulk goods.....thous. of lbs..	23,606	23,475	20,495	[4] 20,577	20,602	6,633	11,312	+0.1	+82.1	.....	.....	.....
Unsold stocks, mfrs., end of mo.—												
Case goods.....thous. of lbs..	20,341	16,502	14,077	13,235	16,213	3,841	7,984	+22.5	+103.1	.....	.....	.....
Bulk goods.....thous. of lbs..	7,600	6,289	4,685	[4] 4,773	5,117	2,799	4,012	+7.2	+27.5	.....	.....	.....
Exports.....thous. of lbs..	3,100	2,623	3,582	3,477	2,710	4,510	3,643	−22.1	−25.6	18,071	12,392	−31.4
Wholesale price, New York.dolls. per case..	6.13	6.13	6.13	6.13	6.13	6.18	6.13	0.0	0.0	.....	.....	.....
Evaporated milk:												
Manufacturers' stocks, end of mo.—												
Total, case goods.....thous. of lbs..	211,954	175,974	153,202	146,571	162,193	111,868	126,314	+10.7	+28.4	.....	.....	.....
Unsold, case goods.....thous. of lbs..	169,345	143,769	129,580	125,623	140,343	87,491	89,789	+11.7	+56.3	.....	.....	.....
Exports.....thous. of lbs..	5,339	5,839	5,121	5,369	6,181	7,768	5,963	+15.1	+3.7	26,358	22,510	−14.6
Wholesale price, New York.dolls. per case..	3.95	3.95	3.95	3.95	3.95	4.56	4.30	0.0	−8.1	.....	.....	.....
Production, condensed and evaporated milk.....thous. of lbs..	117,095	125,073	124,835	153,190	190,551	160,428	207,346	+24.4	−8.1	626,851	593,649	−5.3
Powdered milk:												
Manufrs' stocks, end mo....thous. of lbs..	31,061	29,833	26,199	[4] 25,674	25,203	14,022	16,659	−1.8	+51.3	.....	.....	.....
Exports.....thous. of lbs..	561	944	454	629	636	454	480	+1.1	+32.5	1,794	2,663	+48.4
Net new orders.....thous. of lbs..	6,845	8,956	8,767	[4] 8,832	10,604	8,182	[4] 8,520	+20.1	+24.5	31,025	37,159	+19.8

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
FOODSTUFFS—Continued												
Milk—Continued												
Fluid milk:												
Receipts—												
Boston (includ. cream)..thous. of qts..	18,224	19,192	17,149	[4] 19,369	19,400	18,443	18,002	+0.2	+7.8	68,636	75,110	+9.4
Greater New York.....thous. of qts..	113,742	114,235	104,586	117,880	.....	[4] 117,885	[4] 113,019	.....	.....	335,795	336,701	+0.3
Production—												
Minneapolis, St. Paul...thous. of lbs..	28,884	32,554	.....	.....	.....	31,248	30,960	.....	.....	.....	.....	.....
Consumption in manufacture of oleomargarine.....thous. of lbs..	9,169	9,035	7,714	7,103	7,903	8,133	7,847	+11.3	+0.7	31,851	31,755	−0.3
Sugar												
Raw:												
Imports—												
From Hawaii, Porto Rico..long tons..	14,232	77,132	140,019	185,704	188,571	124,704	143,628	+1.5	+31.3	438,391	591,426	+34.9
From foreign countries.....long tons..	156,031	192,123	166,971	204,318	272,064	601,727	605,003	+33.2	−54.0	1,906,655	835,476	−56.2
Meltings, 8 ports.....long tons..	235,605	326,416	328,181	410,063	432,111	505,286	502,980	+5.4	−14.1	1,722,037	1,496,771	−13.1
Stocks at refineries, end month.long tons..	682,429	616,247	570,970	529,067	574,224	559,993	779,091	+8.5	−26.3	.....	.....	.....
Refined:												
Shipments, 2 ports.....long tons..	45,152	60,224	42,906	68,838	72,114	73,231	87,466	+4.8	−17.6	274,501	244,082	−11.1
Stocks, 2 ports.....long tons..	46,243	32,994	32,746	42,405	63,357	49,451	46,341	+49.4	+36.7	.....	.....	.....
Exports, including maple.....long tons..	3,363	5,637	4,280	4,487	4,830	10,159	9,265	+7.6	−47.9	37,611	19,234	−48.9
Prices:												
Wholesale, 96° centrif., N. Y.dolls. per lb..	.038	.037	.037	.036	.035	.037	.037	−2.8	−5.4	.....	.....	.....
Wholesale, granulated, N. Y.dolls. per lb..	.050	.051	.049	.049	.048	.048	.048	−2.0	0.0	.....	.....	.....
Retail, granulated, N. Y.....dolls. per lb..	.059	.059	.059	.055	.055	.057	.056	0.0	−1.8	.....	.....	.....
Retail average, 51 cities...relative to 1913..	120	120	118	116	115	118	116	−0.9	−0.9	.....	.....	.....
Cuban movement (raw):												
Receipts at Cuban ports.....long tons..	116,101	192,153	659,637	793,762	669,252	1,061,472	809,807	−15.7	−17.4	3,469,593	2,314,804	−33.3
Exports.....long tons..	192,160	145,189	179,432	153,083	335,529	659,501	583,906	+119.2	−42.5	1,949,372	813,233	−58.3
Stocks, end of month.....long tons..	181,460	312,187	815,389	1,411,983	1,754,746	1,296,744	1,509,795	+24.3	+16.2	.....	.....	.....
Candy												
Sales by manufacturers.....thous. of dolls..	33,734	24,538	24,893	27,312	25,660	29,705	25,917	−6.0	−1.0	109,719	102,403	−6.7
Coffee												
Imports.....thous. of bags..	955	1,036	1,229	1,134	1,065	1,052	988	−6.1	+7.8	4,108	4,464	+8.7
Visible supply:												
World.....thous. of bags..	5,079	5,119	5,322	5,264	5,264	4,983	5,207	0.0	+1.1	.....	.....	.....
United States.....thous. of bags..	693	671	852	895	851	822	788	−2.7	+8.0	.....	.....	.....
Receipts, total, Brazil.....thous. of bags..	1,553	1,455	1,469	1,264	1,152	1,175	1,141	−8.9	+1.0	4,581	5,340	+16.6
Clearances:												
Total, Brazil, for world....thous. of bags..	1,199	1,470	1,427	1,169	1,152	1,041	1,119	−1.5	+2.9	4,501	5,218	+15.9
Total, Brazil, for U. S.....thous. of bags..	587	881	722	590	548	501	511	−7.1	+7.2	2,374	2,741	+15.5
Price, Rio No. 7, Brazil grades...dolls. per lb..	.099	.103	.105	.103	.099	.180	.176	−3.9	−43.7	.....	.....	.....
Tea												
Imports.....thous. of lbs..	8,680	6,537	5,602	6,355	5,796	5,470	5,418	−8.8	+7.0	27,763	24,290	−12.5
Price, Formosa fine, New York..dolls. per lb..	.304	.300	.300	.300	.300	.330	.330	0.0	−9.1	.....	.....	.....
Cocoa												
Shipments from the Gold and Nigerian Coasts, Africa.....long tons..	36,748	43,838	29,551	25,543	13,951	35,396	17,670	−45.4	−21.0	152,922	112,883	−26.2
Imports.....long tons..	22,824	25,176	15,082	11,595	12,164	25,041	29,182	+4.9	−58.3	98,212	64,017	−34.8
Spot price, Accra, New York.....dolls..	.0931	.0938	.0925	.0875	.0869	.1088	.1044	−0.7	−16.8	.....	.....	.....
TOBACCO												
Consumption (tax-paid withdrawals):												
Large cigars.....thousands..	410,863	418,900	426,522	454,766	469,969	491,305	550,912	+3.3	−14.7	1,907,409	1,770,157	−7.2
Small cigarettes.....thousands..	8,261,357	10,208,232	8,465,005	9,165,175	9,535,460	8,689,510	9,608,221	+4.0	−0.8	36,520,493	37,373,872	+2.3
Manufac. tobacco and snuff..thous. of lbs..	24,682	33,014	30,308	31,458	31,261	31,663	31,950	−0.6	−2.2	125,856	126,041	+0.1
Exports:												
Unmanufactured.....thous. of lbs..	66,504	46,885	57,037	54,887	43,364	30,673	39,634	−21.0	+9.4	164,814	202,173	+22.7
Cigarettes.....thousands..	683,757	465,464	430,886	497,814	366,674	799,935	805,777	−26.3	−54.5	3,542,377	1,760,838	−50.3
Sales of loose-leaf warehouses....thous. of lbs..	73,484	60,907	23,079	.....	.....	25,726	3,245	.....	.....	.....	.....	.....
Stocks, end of quarter:												
Chewing, smoking, snuff, and export.....thous. of lbs..	[2] 1,373,859	.....	.....	[2] 1,508,876	.....	[2] 1,456,391	.....	+9.8	+3.6	.....	.....	.....
Cigar tobacco.....thous. of lbs..	[2] 292,645	.....	.....	[2] 358,224	.....	[2] 389,439	.....	+22.4	−8.0	.....	.....	.....
Total, including imported...thous. of lbs..	[2] 1,754,451	.....	.....	[2] 1,965,246	.....	[2] 1,949,002	.....	+12.0	+1.0	.....	.....	.....
TRANSPORTATION												
River and Canal Cargo Traffic												
Panama Canal:												
Total cargo traffic.....thous. of long tons..	2,525	2,612	2,378	2,558	2,457	2,744	2,720	−3.9	−9.7	10,873	10,005	−8.0
In American vessels...thous. of long tons..	1,219	1,198	1,058	1,272	1,120	1,229	1,194	−11.9	−6.2	4,779	4,648	−2.7
In British vessels.....thous. of long tons..	718	589	727	611	685	755	735	+12.1	−6.8	3,112	2,612	−16.1
Sault Ste. Marie canals...thous. of short tons..	482	.....	.....	.....	410	.....	4,406	.....	−90.7	4,406	410	−90.7
New York State canals...thous. of short tons..	.....	.....	.....	.....	.....	.....	60	.....	.....	.....	.....	.....
Cape Cod Canal.....short tons..	189,811	186,172	162,509	151,515	184,002	146,483	166,205	+21.4	+10.7	591,818	684,198	+15.6
Suez Canal.....thous. of met. tons..	2,919	2,744	2,474	2,634	.....	3,157	3,103	.....	.....	[3] 8,829	[3] 7,852	−11.1
Welland Canal.....short tons..	47,603	.....	.....	.....	141,679	.....	299,020	.....	−52.6	299,020	141,679	−52.6
St. Lawrence Canal.....short tons..	23,942	.....	.....	.....	110,804	.....	215,402	.....	−48.6	215,402	110,804	−48.6
Mississippi River Govt. barges....short tons..	72,804	75,739	75,157	71,087	100,700	104,499	134,747	+41.7	−25.3	480,583	322,683	−32.9
Ohio River, Pittsburgh, Pa., to Wheeling, W. Va.....short tons..	757,527	578,224	709,242	838,991	879,401	840,604	976,992	+4.8	−10.0	2,821,561	3,005,858	+6.5
Allegheny River.....short tons..	156,993	93,825	61,420	174,445	335,262	187,400	232,204	+92.2	+44.4	589,227	664,952	+12.9
Monongahela River.....short tons..	2,173,207	2,134,161	2,179,305	2,363,728	2,112,586	2,382,405	2,438,939	−10.6	−13.4	9,069,571	8,789,780	−3.1

[2] Quarter ending in month indicated. [3] Cumulative through Mar. 31. [4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
TRANSPORTATION—Continued												
Ocean Traffic												
Clearances, vessels in foreign trade:												
Total ... thous. of net tons	5,607	5,693	5,368	5,834	6,703	5,933	6,661	+14.9	+0.6	23,386	23,598	+0.9
American ... thous. of net tons	2,078	2,023	1,977	2,116	2,966	2,145	2,738	+40.2	+8.3	8,742	9,082	+3.9
Foreign ... thous. of net tons	3,529	3,670	3,391	3,718	3,738	3,788	3,924	+0.5	−4.7	14,645	14,517	−0.9
Shipbuilding												
Completed during month:												
Total ... gross tons	13,692	23,779	14,241	23,840	16,930	11,128	20,668	−29.0	−18.1	42,532	78,790	+85.2
Steel seagoing ... gross tons	10,633	21,493	12,217	13,088	4,166	3,919	9,468	−68.2	−56.0	18,114	50,964	+181.4
Building or under contract, end of month:												
Merchant vessels ... thous. of gross tons	372	376	341	327	366	187	290	+11.9	+26.2	771	1,410	+82.9
Freight Cars												
Surplus (daily av. last week of month):												
Total ... cars	447,141	392,552	440,275	465,920	427,925	279,107	220,821	−8.2	+93.8			
Box ... cars	246,982	217,024	206,531	203,590	203,192	95,429	89,952	−0.2	+125.9			
Coal ... cars	144,353	123,469	180,089	206,066	168,930	136,452	87,367	−18.0	+93.4			
Shortage (daily av. last week of month):												
Total ... cars		9				40	19					
Box ... cars						40						
Coal ... cars												
Car loadings:												
Total ... cars	3,340,993	3,349,424	3,505,962	4,414,625	3,619,293	4,815,937	[4] 3,989,142	−18.0	−9.3	16,142,670	14,889,304	−7.8
Grain and grain products ... cars	159,676	156,665	174,980	201,047	156,454	213,212	[4] 143,913	−22.2	+8.7	727,878	689,146	−5.3
Livestock ... cars	101,798	108,036	102,960	118,071	96,373	121,103	[4] 106,879	−18.4	−9.8	451,604	425,440	−5.8
Coal and coke ... cars	816,589	828,272	797,867	735,508	571,469	846,691	[4] 632,491	−22.3	−9.6	3,234,748	2,933,116	−9.3
Forest products ... cars	181,810	181,810	217,239	294,071	229,747	335,063	[4] 278,384	−21.9	−17.5	1,071,302	922,867	−13.9
Ore ... cars	32,877	33,657	33,474	45,119	50,805	57,113	[4] 110,678	+12.6	−54.1	240,406	163,055	−32.2
Merchandise and l. c. l. ... cars	908,085	890,152	938,429	1,251,013	1,004,425	1,306,178	[4] 1,062,048	−19.7	−5.4	4,254,324	4,084,019	−4.0
Miscellaneous ... cars	1,140,158	1,150,832	1,241,013	1,769,796	1,510,020	1,936,577	[4] 1,654,749	−14.7	−8.7	6,162,408	5,671,661	−8.0
Railroad Operations												
Operating revenues:												
Freight ... thous. of dolls	340,821	337,993	327,061	345,204		[4] 393,862	393,058					
Passenger ... thous. of dolls	74,438	70,452	61,254	61,788		[4] 71,890	67,509					
Total operating ... thous. of dolls	468,879	451,190	427,941	452,717		[4] 517,563	513,955					
Operating expenses ... thous. of dolls	362,814	356,469	330,579	351,279		[4] 377,758	376,494					
Net operating income ... thous. of dolls	72,227	55,474	59,452	61,074		[4] 97,405	94,204					
Freight carried ... mills. ton-miles	36,040	36,664	34,341	35,310		[4] 40,228	38,334					
Railway Equipment												
Locomotives (*Am. Ry. Assn.*):												
Owned, end of month—												
Quantity ... number	56,819	56,753	56,654	56,486	56,469	58,322	58,144		−2.9			
Tractive power ... mills. of lbs	2,531	2,530	2,530	[4] 2,528	2,531	2,553	2,550	+0.1	−0.7			
In bad order, end of month—												
Quantity ... number	7,662	7,937	8,342	8,274	8,222	8,042	8,057	−0.6	+2.0			
Per cent of total in use ... per cent	13.6	14.1	14.8	14.8	14.7	13.9	14.0	−0.7	+5.0			
Installed ... number	158	160	115	142	149	121	130	+4.9	+14.6	476	566	+18.9
Retired ... number	377	227	218	310	166	307	308	−46.5	−46.1	1,065	921	−13.5
New orders ... number	167	163	16	43	29	142	58	−32.6	−50.0	296	251	−15.2
Shipments, manufacturers' (*Census*)—												
Total ... number	67	48	67	68	97	35	61	+42.6	+59.0	142	280	+97.2
Steam, domestic ... number	62	48	60	64	94	31	57	+46.9	+64.9	114	266	+133.3
Electric, domestic ... number	1		4	2		4	2			13	6	−53.8
Unfilled orders (railroads), end of mo.—												
From manufacturers ... number	336	334	343	310	239	326	308	−22.9	−22.4			
In railroad shops ... number	95	107	107	132	123	46	38	−6.8	+223.7			
Unfilled orders, manufacturers' (*Census*)—												
Total ... number	490	587	533	535	464	488	495	−13.3	−6.3			
Steam, domestic ... number	435	527	479	485	417	419	419	−14.0	−0.5			
Electric, domestic ... number	48	50	46	44	44	24	24	0.0	+83.3			
Exports, steam ... number	13	2	8	10	4	22	10	−60.0	−60.0	63	24	−61.9
Freight cars (*Am. Ry. Assn.*):												
Owned, end of month—												
Quantity ... thous. of cars	2,263	2,265	2,267	2,268	2,270	2,268	2,267	+0.1	+0.1			
Capacity ... mills. of lbs	209,516	209,842	210,315	[4] 210,315	210,697	208,507	208,569	+0.2	+1.0			
In bad order, end of month—												
Quantity ... cars	118,807	124,260	122,327	129,895	129,865	139,538	142,543		−8.9			
Per cent of total in use ... per cent	5.4	5.6	5.5	5.9	5.9	6.3	6.5	0.0	−9.2			
New orders ... cars	9,785	6,632	15,931	4,464	1,543	11,068	6,983	−65.4	−77.9	44,896	28,570	−36.4
Shipments—												
Total ... cars	7,856	8,095	9,600	6,144	9,087	3,599	5,510	+47.9	+64.9	12,075	32,926	+172.7
Domestic ... cars	7,513	7,426	9,366	6,066	8,874	3,589	5,300	+46.3	+67.4	10,301	31,732	+208.0
Unfilled orders (railroads)—												
Total ... cars	34,085	33,457	30,800	35,181	31,846	41,197	43,486	−9.5	−26.8			
From manufacturers ... cars	29,796	28,057	25,722	29,058	26,518	35,360	36,674	−8.7	−27.7			
In railroad shops ... cars	4,289	5,400	5,078	6,123	5,328	5,837	6,812	−13.0	−21.8			
Passenger cars:												
New orders ... cars	77	58	134	169	70	53	250	−58.6	−72.0	552	431	−21.9
Shipments—												
Total ... cars	116	95	78	61	77	87	86	+26.2	−10.5	374	311	−16.8
Domestic ... cars	116	80	78	51	65	87	78	+27.5	−16.7	364	274	−24.7

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4.		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
TRANSPORTATION—Continued												
Highways												
Concrete pavements, new contracts:												
Total ... thous. of sq. yds.	7,462	6,595	6,887	13,700	18,570	6,000	16,654	+35.5	+11.5	33,356	45,752	+37.2
Road ... thous. of sq. yds.	5,043	5,244	5,357	11,294	14,338	2,826	12,315	+27.0	+16.4	22,919	36,233	+58.1
Federal-aid highways:												
Completed—												
Cost ... thous. of dolls.	28,326	7,680	9,266	6,185	6,031	4,570	7,410	−2.5	−18.6	41,225	29,162	−29.3
Distance ... miles	813	273	358	227	302	151	211	+33.0	+43.1	1,292	1,160	−10.2
Under construction, end of month ... miles	7,256	7,054	6,843	6,824	7,230	7,665	7,707	+5.9	−6.2	30,886	27,951	−9.5
Passenger Travel												
National parks:												
Visitors ... number	35,762	47,296	48,342	67,306	75,515	72,377	64,807	+12.2	+16.5	226,931	238,459	+5.1
Automobiles entered ... number	5,675	19,335	9,926	12,841	14,322	8,498	10,460	+11.5	+36.9	37,266	56,424	+51.4
Arrivals from abroad:												
Immigrants ... number	17,842	14,767	13,585	19,759	.....	20,145	28,565	.....	.....	[3] 55,205	[3] 48,111	−12.9
United States citizens ... number	21,177	23,985	34,234	40,727	.....	37,375	32,288	.....	.....	[3] 94,041	[3] 98,946	+5.2
Departures abroad:												
Emigrants ... number	4,880	3,947	3,180	2,900	.....	2,449	3,387	.....	.....	[3] 11,273	[3] 10,027	−11.1
United States citizens ... number	27,404	31,991	33,796	37,930	.....	27,972	25,277	.....	.....	[3] 89,127	[3] 103,717	+16.4
Passports issued ... number	7,323	8,485	9,899	18,802	33,148	17,066	29,995	+76.3	+10.5	[3] 65,462	[3] 70,334	+7.4
Pullman Company operations:												
Revenue ... thous. of dolls.	6,507	7,143	6,331	6,316	.....	6,627	6,404	.....	.....	[3] 20,077	[3] 19,790	−1.4
Passengers carried ... thousands	2,731	2,760	2,379	2,457	.....	2,726	2,582	.....	.....	[3] 8,117	[3] 7,596	−6.4
Trend of business in hotels:												
Room occupancy ... per ct. of capacity	67	73	70	67	68	69	[4] 71	+1.5	−4.2	.....	.....	.....
Average sale per occupied room ... dollars	3.92	4.04	4.05	3.90	4.05	3.94	4.09	+3.8	−1.0	.....	.....	.....
Warehouses												
Public merchandise warehouses, space occupied ... per ct. of total	75.9	74.6	[4] 71.7	69.6	.....	69.9	71.8	.....	.....	.....	.....	.....
PUBLIC UTILITIES												
Telephone companies:												
Operating revenues ... thous. of dolls.	78,675	77,845	75,398	79,200	.....	74,899	74,830	.....	.....	[3] 220,721	[3] 232,443	+5.3
Operating income ... thous. of dolls.	18,271	18,012	17,287	17,984	.....	17,825	17,776	.....	.....	[3] 55,362	[3] 53,283	−3.8
Telegraph companies:												
Commercial telegraph tolls ... thous. of dolls.	11,298	10,518	9,844	10,790	.....	11,864	11,328	.....	.....	[3] 33,309	[3] 31,152	−6.5
Operating revenues ... thous. of dolls.	14,572	13,454	12,652	13,865	.....	14,911	14,344	.....	.....	[3] 42,104	[3] 39,971	−5.1
Operating income ... thous. of dolls.	2,304	435	532	1,442	.....	1,951	1,700	.....	.....	[3] 5,005	[3] 2,409	−51.9
Gas and electric companies:												
Gross earnings ... thous. of dolls.	211,500	211,000	199,500	199,000	.....	195,000	190,000	.....	.....	[3] 592,000	[3] 609,500	+3.0
Net earnings ... thous. of dolls.	100,000	92,000	90,000	88,000	.....	85,000	83,000	.....	.....	[3] 263,000	[3] 270,000	+2.7
Electric railways (212 companies):												
Passengers carried ... thous. of persons	795,643	781,927	705,454	760,269	728,820	820,405	774,517	−4.1	−5.9	3,135,788	2,976,470	−5.1
Average fare ... cents	8.272	8.288	.....	.....	.....	8.202	8.202	.....	.....	.....	.....	.....
ELECTRIC POWER												
Electric power production:												
Total ... mills. of kw.-hours	8,513	8,652	[4] 7,623	8,164	.....	7,989	7,881	.....	.....	[3] 23,659	[3] 24,439	+3.3
By water power ... mills. of kw.-hours	2,751	[4] 2,935	[4] 2,704	3,260	.....	3,147	3,285	.....	.....	[3] 8,287	[3] 8,899	+7.4
By fuels ... mills. of kw.-hours	5,762	[4] 5,717	[4] 4,919	4,904	.....	4,842	4,596	.....	.....	[3] 15,372	[3] 15,540	+1.1
In street railways, manfg. plants, etc. ... mills. of kw.-hours	402	412	441	511	.....	382	375	.....	.....	[3] 1,202	[3] 1,364	+13.5
In central stations ... mills. of kw.-hours	8,111	[4] 8,240	[4] 7,182	7,653	.....	7,607	7,506	.....	.....	[3] 22,457	[3] 23,075	+2.8
Electric power production (Canada):												
Total ... mills. of kw.-hours	1,535	[4] 1,546	[4] 1,391	1,508	.....	1,471	1,409	.....	.....	[3] 4,325	[3] 4,445	+2.8
By water power ... mills. of kw.-hours	1,497	[4] 1,505	[4] 1,364	1,484	.....	1,441	1,379	.....	.....	[3] 4,235	[3] 4,353	+2.8
Exported ... mills. of kw.-hours	102	113	117	127	.....	127	111	.....	.....	[3] 352	[3] 357	+1.4
Electric power, gross revenue ... thous. of dolls.	[4] 192,200	[4] 198,300	186,100	177,100	.....	[4] 170,500	168,100	.....	.....	[3] 534,300	[3] 561,500	+5.1
Consumption of electrical energy:												
By geographic divisions—												
United States ... rel. to 1923–25	116.4	121.8	123.5	[4] 120.2	120.3	135.7	136.4	+0.1	−11.8	.....	.....	.....
New England ... rel. to 1923–25	107.0	120.5	113.3	[4] 105.0	102.9	130.8	125.4	−2.0	−17.9	.....	.....	.....
North Central ... rel. to 1923–25	109.0	128.0	136.8	[4] 128.4	125.7	141.9	146.5	−2.1	−14.2	.....	.....	.....
Middle Atlantic ... rel. to 1923–25	120.5	125.8	126.0	[4] 122.2	117.2	130.4	128.0	−4.1	−8.4	.....	.....	.....
Southern ... rel. to 1923–25	130.4	110.0	118.3	[4] 121.7	117.3	125.4	126.3	−3.6	−7.1	.....	.....	.....
Western ... rel. to 1923–25	126.0	115.2	127.5	[4] 117.4	127.6	138.2	137.0	+8.7	−6.9	.....	.....	.....
By industry—												
All industry ... rel. to 1923–25	116.4	121.8	123.5	[4] 120.2	120.3	135.7	136.4	+0.1	−11.8	.....	.....	.....
Chemical and allied products ... rel. to 1923–25	148.0	136.7	139.6	[4] 140.0	137.2	133.0	131.7	−2.0	+4.2	.....	.....	.....
Food and kindred products ... rel. to 1923–25	121.1	132.3	129.2	[4] 129.8	119.4	122.2	121.2	−8.0	−1.5	.....	.....	.....
Rolling mills and steel plants ... rel. to 1923–25	120.5	143.1	143.0	[4] 136.8	138.3	160.3	153.3	+1.1	−9.8	.....	.....	.....
Metal working plants ... rel. to 1923–25	127.2	126.7	130.5	[4] 132.0	125.5	151.4	148.3	−4.9	−15.4	.....	.....	.....
Metal groups ... rel. to 1923–24	124.9	132.9	135.0	[4] 133.7	130.2	154.9	149.9	−2.6	−13.1	.....	.....	.....
Leather and its products ... rel. to 1923–25	89.0	92.3	86.5	[4] 80.8	91.2	93.4	82.0	+12.9	+11.2	.....	.....	.....
Lumber and its products ... rel. to 1923–25	92.8	87.5	94.7	[4] 93.7	102.8	104.2	108.0	+9.7	−4.8	.....	.....	.....
Paper and pulp ... rel. to 1923–25	132.1	120.8	138.0	[4] 135.0	126.7	129.2	136.0	−6.1	−6.8	.....	.....	.....
Rubber and its products ... rel. to 1923–25	108.4	144.4	185.4	[4] 130.3	138.5	155.8	155.7	+6.3	−11.0	.....	.....	.....
Shipbuilding ... rel. to 1923–25	120.4	124.4	125.4	[4] 117.7	130.1	99.7	116.1	+10.5	+12.1	.....	.....	.....
Stone, clay, and glass ... rel. to 1923–25	146.2	124.2	116.7	[4] 117.9	129.9	138.0	145.0	+10.2	−10.4	.....	.....	.....
Textiles ... rel. to 1923–25	109.8	112.4	103.3	[4] 99.6	102.3	126.6	128.1	+2.7	−20.1	.....	.....	.....
Automobiles, including repair parts ... rel. to 1923–25	79.4	9.8	116.6	[4] 108.9	112.9	154.5	170.6	+3.7	−33.8	.....	.....	.....

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
EMPLOYMENT AND WAGES												
Employment in factories:												
New York State ... rel. to 1923	84.2	82.3	81.9	81.8	80.3	88.7	88.3	−1.8	−9.1			
Maryland ... rel. to 1924	89.2	86.2	87.2	87.5	88.6	90.9	91.8	+1.3	−3.5			
Iowa ... rel. to 1923	126.8	122.9	125.2	123.0	124.3	125.2	127.4	+1.1	−2.4			
Illinois ... rel. to 1925–27	99.3	97.8	98.0	96.9	95.0	102.2	103.0	−2.0	−7.8			
Wisconsin ... rel. to 1923	90.1	90.0	90.7	90.6		98.5	99.2					
Ohio ... rel. to 1923	102	101				113	115					
Cleveland ... rel. to Jan., 1921	106.2	109.1	107.4	106.7		123.4	123.1					
Detroit ... rel. to 1923–25	98.0	106.5	108.0	108.5	110.5	136.0	136.0	+1.8	−18.7			
New York State ... number	465,915	455,480	453,284	452,472	444,133	490,879	488,390	−1.8	−9.1			
Oklahoma ... number	34,093	33,081	32,938			32,471	34,809					
Total pay roll:												
New York State (weekly) ... thous. of dolls	13,860	13,524	13,304	13,481	13,030	14,897	14,687	−3.3	−11.3			
Oklahoma (weekly) ... thous. of dolls	934	900	916			871	908					
Wisconsin ... rel. to 1923	89.7	87.7	93.0	96.9		110.7	111.5					
New York State ... rel. to 1923	91.9	89.7	88.3	89.4	86.4	98.8	97.4	−3.4	−11.3			
Illinois ... rel. to 1925–27	96.3	91.2	94.0	90.1	89.1	101.6	105.2	−1.1	−15.3			
Employment, Canada ... rel. to calendar year 1926	119.1	111.2	111.6	110.2	107.8	111.4	110.4	−2.2	−2.4			
Ohio construction ... rel. to 1923	112.0	90.4				95.9	107.8					
Employment, trade-unions:												
United States ... per cent of total	84.0	80.0	78.0	79.0	79.0	86.0	88.0	0.0	−10.2			
Canada ... per cent of total	88.6	89.2	93.2	88.5	89.2	94.0	94.5	+0.8	−5.6			
Anthracite mines:												
Employment ... rel. to 1923–25	110.8	105.6	107.8	83.3	84.8	101.3	104.1	+1.8	−18.5			
Pay roll ... rel. to 1923–25	110.3	92.1	103.7	67.1	63.9	79.5	77.4	−4.8	−17.4			
Federal civilian employees, Washington, D. C., end month ... number	63,946	64,356	64,662	64,954	65,778	62,926	63,507	+1.3	+3.6			
Average weekly earnings, factories:												
Illinois ... dollars	28.12	28.30	29.24	28.25	28.49	28.92	38.96	+0.8	−1.6			
New York State ... dollars	29.75	29.70	29.36	29.80	29.35	30.35	30.07	−1.5	−2.4			
Wisconsin ... dollars	24.18	24.10	24.84	25.75		26.95	26.94					
Oklahoma ... dollars	27.38	27.21	27.81			26.81	26.08					
New York ... rel. to 1923	109.2	109.0	107.8	109.4	107.7	111.4	110.4	−1.6	−2.4			
Illinois ... rel. to 1925–27	99.1	99.7	103.1	99.6	100.4	101.9	102.1	+0.8	−1.7			
Wisconsin ... rel. to 1923	98.2	95.9	102.0	106.4		112.4	112.4					
Average weekly earnings (*National Industrial Conference Board*):												
Grand total (both sexes) ... dollars	27.53	27.51	27.90	27.59	27.64	28.53	28.53	+0.2	−3.1			
Total male ... dollars	29.83	29.53	29.75	29.37	29.74	31.68	31.61	+1.3	−5.9			
Skilled male ... dollars	31.25	30.87	31.08	30.70	31.09	33.15	33.09	+1.3	−6.0			
Unskilled male ... dollars	24.35	24.31	24.59	24.14	24.41	26.07	25.95	+1.1	−5.9			
Total women ... dollars	17.36	17.02	17.09	16.84	16.59	17.76	17.85	−1.5	−7.1			
Average weekly hours:												
Nominal (both sexes) ... hours	49.2	49.2	49.3	49.0	48.8	49.8	49.8	−0.4	−2.0			
Actual (both sexes) ... hours	47.4	46.4	46.7	46.3	46.1	49.5	49.3	−0.4	−6.5			
Wages, road labor, by districts:												
New England ... cents per hour	51	52	51	52	51	51	51	−1.9	0.0			
Middle Atlantic ... cents per hour	45	47	44	44	42	44	42	−4.5	0.0			
South Atlantic ... cents per hour	27	25	25	25	27	23	27	+8.0	0.0			
East South Central ... cents per hour	25	25	25	27	25	27	27	−7.4	−7.4			
West South Central ... cents per hour	31	31	29	28	33	33	31	+17.9	+6.5			
East North Central ... cents per hour	39	40	40	38	38	42	38	0.0	0.0			
West North Central ... cents per hour	38	40	39	37	38	37	37	+2.7	+2.7			
Mountain ... cents per hour	50	46	46	46	46	43	44	0.0	+4.5			
Pacific ... cents per hour	53	53	53	53	53	52	53	0.0	0.0			
United States, average ... cents per hour	40	40	39	39	40	37	38	+2.6	+5.3			
Wage rates, U. S. Steel Corp ... cents per hour	50	50	50	50	50	50	50	0.0	0.0			
Wages, steel sheet workers ... per cent of base	127.0	127.0	127.0	127.0	127.0	125.5	125.5	0.0	+1.2			
Applicants per 100 jobs, employment agencies:												
United States ... number	166	201	201	180	162	142	128	−10.0	+26.6			
Eastern States ... number	187	231	213	217	177	144	126	−18.4	+40.5			
Central States ... number	181	231	225	189	177	153	134	−6.3	+32.1			
Southern States ... number	222	250	271	254	217	215	200	−14.6	+8.5			
Western States ... number	77	101	91	83	74	76	73	−10.8	+1.4			
Illinois ... number	177	257	246	209	190	156	134	−9.1	+41.8			
Wisconsin ... number	163	196	186	177	159	138	117	−10.2	+35.9			
Canada ... number	154	160	164	157		148	127					
Factory Labor Turnover												
(Percentage of number on pay roll)												
Departures:												
Total ... per cent (annual basis)	29.3	28.1	33.0	31.9	35.1	49.2	55.7	+10.0	−37.0			
Voluntary quits ... per cent (annual basis)	12.7	13.1	16.0	16.3	17.7	36.8	43.3	+8.6	−59.1			
Lay offs ... per cent (annual basis)	14.2	12.2	13.8	12.1	14.1	5.7	5.5	+16.5	+156.4			
Discharges ... per cent (annual basis)	2.4	2.8	3.2	3.5	3.3	6.7	6.9	−5.7	−52.2			
Accessions ... per cent (annual basis)	14.6	23.7	26.9	23.0	24.3	61.2	70.2	+5.7	−65.4			
Industrial disputes:												
Disputes ... number	23	[4] 21	[4] 32	32		42	52					
Workers involved ... number	2,401	[4] 5,316	[4] 6,569	5,171		41,321	52,292					
Man-days lost in month ... number	96,930	[4] 182,202	[4] 438,587	289,561		1,094,161	1,429,046					
DISTRIBUTION MOVEMENT												
Retail Sales												
Mail-order houses:												
Total sales, 2 houses ... thous. of dolls	90,019	51,274	46,691	47,582	56,561	53,413	55,619	+18.9	+1.7	202,828	202,108	−0.4
Sears, Roebuck & Co ... thous. of dolls	54,220	32,943	28,285	26,950	32,785	30,796	34,046	+21.7	−3.7	121,854	120,963	−0.7
Montgomery Ward & Co ... thous. of dolls	35,799	18,331	18,406	20,632	23,776	22,617	21,573	+15.2	+10.2	80,974	81,145	+0.2

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
DISTRIBUTION MOVEMENT—Contd.												
Retail Sales—Continued												
Ten-cent chain stores:												
Total sales (4 chains)....thous. of dolls..	87,948	34,657	37,523	42,323	46,371	46,135	[4] 41,651	+9.6	+11.3	157,650	160,874	+2.0
Total stores operated (4 chains)..number..	2,870	2,880	2,892	2,908	2,922	2,695	2,711	+0.5	+7.8			
F. W. Woolworth & Co...thous. of dolls..	44,153	18,408	20,030	22,482	24,369	24,525	[4] 22,062	+8.4	+10.5	83,622	85,289	+2.0
Stores operated....number..	1,828	1,829	1,835	1,845	1,853	1,750	1,759	+0.4	+5.3			
S. S. Kresge Co....thous. of dolls..	24,242	9,352	9,944	11,260	12,724	12,567	11,368	+13.0	+11.9	42,728	43,280	+1.3
Stores operated....number..	597	604	611	617	624	517	523	+1.1	+19.3			
McCrory Stores Corp....thous. of dolls..	7,293	2,695	2,907	3,358	3,651	3,735	[4] 3,158	+8.7	+15.6	12,428	12,611	+1.5
Stores operated....number..	242	243	241	241	240	234	235	−0.4	+2.1			
S. H. Kress & Co....thous. of dolls..	12,260	4,202	4,642	5,225	5,627	5,308	5,063	+7.7	+11.1	18,872	19,696	+4.4
Stores operated....number..	203	204	205	205	205	194	194	0.0	+5.7			
Metropolitan....thous. of dolls..	3,432	971	995	1,133	1,348	1,148	[4] 1,132	+19.0	+19.1	3,961	4,447	+12.3
Stores operated....number..	151	150	149	148	147	111	112	−0.7	+31.3			
W. T. Grant Co....thous. of dolls..	11,536	3,784	3,911	4,962	5,731	5,141	4,421	+15.5	+29.6	16,407	18,388	+12.1
Stores operated....number..	276	279	280	283	287	222	226	+1.4	+27.0			
F. & W. Grand....thous. of dolls..	3,601	1,296	1,326	1,603	1,936	1,712	1,588	+20.8	+21.9	5,571	6,161	+10.6
Stores operated....number..	94	94	94	94	96	83	86	+2.1	+11.6			
Isaac Silver & Bros....thous. of dolls..	1,527	457	534	643	751	615	[4] 567	+16.8	+32.5	1,988	2,385	+20.0
Stores operated....number..	45	43	44	45	45	34	36	0.0	+25.0			
J. C. Penny Co....thous. of dolls..	29,589	10,611	11,197	14,208	17,452	15,943	[4] 14,928	+22.8	+16.9	49,265	53,468	+8.5
Stores operated....number..	1,395	1,395	1,396	1,416	1,428	1,182	[4] 1,207	+0.8	+18.3			
G. C. Murphy Co....thous. of dolls..	2,649	939	989	1,183	1,291	1,199	1,112	+9.1	+16.1	4,035	4,402	+9.1
Stores operated....number..	153	154	154	154	155	139	142	+0.6	+9.2			
Restaurant chains:												
Total sales (3 chains)....thous. of dolls..	5,176	4,989	4,580	5,039	4,962	5,027	4,944	−1.5	+0.4	19,148	19,570	+2.2
Stores operated....number..	375	374	374	374	377	372	372	+0.8	+1.3			
Childs Co., sales....thous. of dolls..	2,407	2,307	2,148	2,352	2,330	2,355	2,247	−0.9	+3.7	8,930	9,137	+2.3
Stores operated....number..	111	111	110	110	112	112	112	+1.8	0.0			
J. R. Thompson Co., sales..thous. of dolls..	1,320	1,300	1,177	1,307	1,279	1,284	1,359	−2.1	−5.9	5,014	5,063	+1.0
Stores operated....number..	121	121	121	121	121	124	124	0.0	−2.4			
Waldorf System (Inc.), sales....thous. of dolls..	1,449	1,382	1,255	1,380	1,353	1,388	1,338	−2.0	+1.1	5,253	5,370	+2.2
Stores operated....number..	143	142	143	143	144	136	136	+0.7	+5.9			
Installment sales in New England dept. stores, ratio to total sales....per cent..	5.4	16.2	10.9			7.1	6.3					
Advertising												
Magazine advertising....thous. of lines..	2,882	1,999	2,382	2,738	3,141	2,870	[4] 3,271	+14.7	−4.0			
Magazine advertising, total cost....thous. of dolls..	18,420	12,411	16,808	18,687	21,862	18,095	21,072	+17.0	+3.7	68,172	69,768	+2.3
Newspaper advertising....thous. of lines..	100,202	88,873	81,702	97,868	101,259	111,190	[4] 107,811	+3.5	−6.1	405,861	369,702	−8.9
Radio broadcast:												
Cost of facilities....thous. of dolls..	1,969	1,989	1,873	[4] 2,295	2,188	1,610	1,550	−4.7	+41.2	5,790	8,345	+44.1
National advertising in newspapers:												
Total....thous. of lines..	36,724	47,887	44,996	54,032	52,867	56,099	[4] 55,792	−2.2	−5.2	214,469	199,782	−6.8
Passenger cars....thous. of lines..	2,664	8,000	6,497	6,841	5,817	9,235	[4] 9,813	−15.0	−40.7	38,224	27,155	−29.0
Tires, trucks, and accessories....thous. of lines..	4,279	3,349	3,983	6,105	6,066	4,191	[4] 6,003	−0.6	+1.0	17,963	19,503	+8.6
Financial....thous. of lines..	6,943	9,128	5,221	6,427	7,617	7,975	[4] 7,644	+18.5	−0.4	31,936	28,393	−11.1
Building materials....thous. of lines..	109	129	182	373	615	610	[4] 1,268	+64.9	−51.5	2,454	1,299	−47.1
Electrical appliances, supplies....thous. of lines..	935	664	615	1,329	2,016	1,449	[4] 1,484	+51.7	+35.8	4,253	4,624	+8.7
Foods and beverages....thous. of lines..	3,452	5,355	6,766	7,915	9,220	7,166	[4] 7,498	+16.5	+23.0	24,250	29,256	+20.6
Heating and plumbing equipment....thous. of lines..	344	395	275	377	629	547	[4] 624	+66.8	+0.8	2,068	1,676	−19.0
Medical....thous. of lines..	3,072	6,456	6,206	5,741	3,635	6,563	[4] 4,281	−36.7	−15.1	25,802	22,038	−14.6
Radio....thous. of lines..	4,021	1,603	1,700	1,399	856	2,173	[4] 1,386	−38.8	−38.2	8,254	5,558	−32.7
Tobacco....thous. of lines..	1,515	3,177	3,345	4,497	3,606	3,878	[4] 3,146	−19.8	+14.6	13,776	14,625	+6.2
Toilet requisites....thous. of lines..	1,177	2,432	3,163	4,323	3,674	3,580	[4] 3,340	−15.0	+10.0	13,427	13,592	+1.2
Transportation....thous. of lines..	2,747	2,461	2,175	2,396	2,719	2,305	[4] 2,952	+13.5	−7.9	9,591	9,751	+1.7
All other....thous. of lines..	5,466	4,738	4,866	6,310	6,397	6,428	[4] 6,354	+1.4	+0.7	22,472	22,311	−0.7
Postal Business												
Postal receipts:												
50 selected cities....thous. of dolls..	40,785	32,199	29,457	32,475	32,644	34,375	32,352	+0.5	+0.9	128,335	126,775	−1.2
50 industrial cities....thous. of dolls..	4,565	3,561	3,473	3,562	3,524	3,537	3,454	−1.1	+2.0	13,783	14,120	+2.4
Money orders:												
Domestic issued (50 cities)—												
Quantity....thousands..	4,096	3,805	3,597	4,134	3,828	3,959	3,851	−7.4	−0.6	14,916	15,364	+3.0
Value....thous. of dolls..	40,876	38,356	35,617	39,827	37,803	38,840	38,188	−5.1	−1.0	147,674	151,603	+2.7
Domestic paid (50 cities)—												
Quantity....thousands..	12,850	11,266	10,165	11,791	11,562	12,624	11,825	−1.9	−2.2	65,793	44,784	−31.9
Value....thous of dolls..	101,453	86,593	78,066	88,103	90,646	93,937	90,423	+2.9	+0.2	344,901	343,408	−0.4
Air mail, weight dispatched....pounds..	618,991	518,398	556,913	[4] 625,174	671,391	523,414	508,672	+7.4	+32.0	1,954,736	2,371,876	+21.3
BANKING AND FINANCE												
Check payments:												
New York City....mills. of dolls..	39,850	34,732	31,117	40,740	38,631	55,425	47,979	−5.2	−19.5	204,412	145,220	−29.0
Outside of New York City..mills. of dolls..	26,932	21,534	21,534	25,014	24,347	28,131	26,803	−2.7	−9.2	107,575	96,618	−10.2
Canada....mills. of dolls..	1,858	1,674	1,446	1,627	1,556	1,942	1,873	−4.4	−16.9	7,662	6,303	−17.7
Federal reserve banks:												
Bills discounted....mills. of dolls..	632	407	343	241	233	1,030	986	−3.3	−76.4			
Notes in circulation....mills. of dolls..	1,910	1,702	1,637	1,576	1,507	1,664	1,664	−4.4	−9.4			
Total investments....mills. of dolls..	915	747	796	840	749	351	343	−10.8	+118.4			
Total reserve....mills. of dolls..	3,011	3,188	3,187	3,209	3,252	2,893	2,986	+1.3	+8.9			
Total deposits....mills. of dolls..	2,414	2,369	2,408	2,443	2,434	2,382	2,410	−0.4	+1.0			
Reserve ratio....per cent..	69.6	78.3	78.8	79.8	82.5	71.5	73.3	+3.4	+12.6			
Federal reserve member banks:												
Total loans and discounts..mills. of dolls..	17,649	16,676	16,428	16,913	16,964	16,583	16,451	+0.3	+3.1			
Total investments....mills. of dolls..	5,514	5,529	5,575	5,719	5,791	5,976	5,875	+1.3	−1.4			
Net demand deposits....mills. of dolls..	14,118	12,949	12,944	13,329	13,581	13,157	13,234	+1.9	+2.6			

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BANKING AND FINANCE—Continued												
Brokers' loans, end of month:												
To N. Y. Stock Ex. members—												
Total ... mills. of dolls.	3,990	3,985	4,168	4,656	5,063	6,804	6,775	+8.7	−25.3			
Ratio to market value ... per cent	6.17	5.77	5.89	6.12	6.72	9.75	9.19	+9.8	−26.9			
By New York F. R. member banks ... mills. of dolls.	3,424	3,345	3,489	3,968	4,274	5,562	5,532	+7.7	−22.7			
Deposits, New York State savings banks, end of month ... mills. of dolls.	4,392	4,416	4,436	4,509	4,507	4,466	4,439	0.0	+1.5			
Interest rates:												
Time loans, 90 days ... per cent	4.88	3.88	4.75	4.25	4.13	7.88	8.75	−2.8	−52.8			
Call loans, renewal ... per cent	4.83	4.64	4.32	3.69	4.00	9.10	8.89	+8.4	−55.0			
Prime com. paper (4-6 mos.) ... per cent	5.00	4.88	4.75	4.25	3.88	5.88	6.00	−8.7	−35.3			
Prime bankers' acceptances ... per cent	3.88	3.94	3.81	3.13	2.94	5.38	5.50	−6.1	−46.5			
N. Y. Fed. Res. Bank (redis.) ... per cent	4.50	4.00	4.00	3.50	3.50	5.00	5.00	0.0	−30.0			
Federal land banks ... per cent	5.79	5.79	5.72	5.58	5.58	5.10	5.10	0.0	+9.4			
Intermediate credit banks ... per cent	5.57	5.34	5.24	5.10	4.98	5.36	5.50	−2.4	−9.5			
Public Finance												
Government debt, gross, end of month ... mills. of dolls.	16,301	16,423	16,460	16,390	16,394	17,237	17,196	0.0	−4.7			
Customs receipts ... thous. of dolls.	39,298	41,278	35,935	42,610	41,071	55,200	50,404	−3.6	−18.5	199,804	160,894	−19.5
Total ordinary receipts ... thous. of dolls.	742,942	151,195	138,540	674,876	159,053	736,816	173,508	−76.4	−8.3	1,233,007	1,123,664	−8.9
Expenditures chargeable to ordinary receipts ... thous. of dolls.	443,191	347,351	236,742	362,221	414,147	273,875	335,643	+14.3	+23.4	1,166,607	1,360,461	+16.6
U. S. money in circulation:												
Daily average ... mills. of dolls.	4,943	4,652	4,556	4,533	4,518	4,709	4,679	−0.3	−3.4			
Gold and Silver												
Gold:												
Domestic receipts at mint ... fine ounces	82,970	75,955	72,009	73,745	89,694	57,765	65,547	+21.6	+36.8	247,008	311,403	+26.1
Rand output ... fine ounces	851,134	882,801	818,188	889,370	868,606	866,529	872,123	−2.3	−0.4	3,430,388	3,458,965	+0.8
Monetary stock of U. S.— daily average ... mills. of dolls.	4,324	4,283	4,319	4,395	4,443	4,166	4,226	+1.1	+5.1			
Imports ... thous. of dolls.	8,121	12,908	60,198	55,768	65,539	26,470	24,687	+17.5	+165.5	126,647	194,413	+53.5
Exports ... thous. of dolls.	72,547	8,948	207	290	107	1,635	1,594	−63.1	−93.3	6,032	9,552	+58.4
Silver:												
Production—												
United States ... thous. of fine oz.	4,592	4,753	5,161	[4] 4,998	4,704	5,223	5,422	−5.9	−13.2	20,444	19,616	−4.1
Canada ... thous. of fine oz.	1,761	1,716	1,225	[4] 1,714	1,705	1,569	1,151	−0.5	+48.1	5,591	6,360	+13.8
Stocks, end of month—												
United States ... thous. of fine oz.	529	535	977	338	356	1,274	867	+5.3	−58.9			
Canada ... thous. of fine oz.	827	1,244	1,144	496	690	414	1,032	+39.1	−33.1			
Imports ... thous. of dolls.	4,479	4,756	3,923	4,831	3,469	6,435	3,957	−28.2	−12.3	23,110	16,979	−26.5
Exports ... thous. of dolls.	6,369	5,892	5,331	5,818	4,557	7,814	5,752	−21.7	−20.8	28,425	21,598	−24.0
Price at New York ... dolls. per fine oz.	.485	.450	.432	.417	.424	.563	.557	+1.7	−23.9			
Business Failures												
Liabilities (United States):												
Total commercial ... thous. of dolls.	67,465	61,185	51,326	56,846	49,059	36,356	35,270	−13.7	+39.1	159,539	218,416	+36.9
Manufacturers ... thous. of dolls.	33,266	19,500	20,724	19,414	19,669	15,001	10,423	+1.3	+88.7	54,005	79,307	+46.9
Trade establishments ... thous. of dolls.	28,550	29,814	20,909	24,293	23,427	17,190	19,102	−3.6	+22.6	86,207	98,443	+14.2
Agents and brokers ... thous. of dolls.	5,649	11,871	9,693	13,139	5,964	4,165	5,745	−54.6	+3.8	19,329	40,667	+110.4
Liabilities (Canada) ... thous. of dolls.	3,754	6,174	7,539	3,549	2,006	2,531	[4] 2,434	−43.5	−17.6	9,940	19,268	+93.8
Firms (United States):												
Total commercial ... number	2,037	2,759	2,262	2,347	2,198	1,987	2,021	−6.3	+8.8	8,508	9,566	+12.4
Manufacturers ... number	559	680	526	621	534	512	499	−14.0	+7.0	2,103	2,361	+12.3
Trade establishments ... number	1,344	1,913	1,605	1,587	1,500	1,349	1,388	−5.5	+8.1	5,884	6,605	+12.3
Agents and brokers ... number	134	166	131	139	164	126	134	+18.0	+22.4	521	600	+15.2
Firms (Canada) ... number	259	265	209	198	177	183	[4] 144	−10.6	+22.9	719	849	+18.1
By groups:												
Manufacturers—												
Metals ... number	50	32	36	42	42	40	34	0.0	+23.5	144	152	+5.6
Textiles ... number	69	106	58	81	61	60	52	−24.7	+17.3	241	306	+27.0
Lumber ... number	112	105	94	111	106	103	87	−4.5	+21.8	370	416	+12.4
Chemicals ... number	11	14	11	11	9	12	15	−18.2	−40.0	44	45	+2.3
Printing and engraving ... number	11	13	17	16	15	10	16	−6.2	−6.2	66	61	−7.6
Foodstuffs ... number	28	60	38	42	38	44	48	−9.5	−20.8	178	178	0.0
Leather, etc ... number	18	18	13	11	4	11	13	−63.6	−69.2	58	46	−20.7
Liquors and tobacco ... number	6	3	4	3	3	8	4	0.0	−25.0	28	13	−53.6
Stone, clay, and glass ... number	8	10	3	11	10	9	4	−9.1	+150.0	32	34	+6.3
All other ... number	246	319	252	293	246	215	226	−16.0	+8.8	942	1,110	+17.8
Traders—												
General stores ... number	102	136	94	124	108	101	88	−12.9	+22.7	416	462	+11.1
Foods and tobacco ... number	386	453	376	413	386	429	446	−6.5	−13.5	1,798	1,628	−9.5
Clothing ... number	244	437	366	317	270	233	228	−14.8	+18.4	1,058	1,390	+31.4
Household furniture ... number	209	380	286	307	277	257	252	−9.8	+9.9	1,149	1,250	+8.8
Chemicals and paints ... number	90	97	88	99	80	69	79	−19.2	+1.3	265	364	+37.4
Books and paper ... number	6	11	10	13	10	9	15	−23.1	−33.3	54	44	−18.5
All other ... number	307	399	385	314	369	251	280	+17.5	+31.8	1,144	1,467	+28.2
Life Insurance												
(*Association of Life Insurance Presidents*)												
Policies and certificates, new (44 companies):												
Ordinary ... number of policies	311,303	254,432	267,344	330,337	310,009	292,232	284,055	−6.2	+9.1	1,035,794	1,162,122	+12.2
Industrial ... number of policies	868,763	802,585	783,235	973,678	893,017	1,045,058	964,177	−8.3	−7.4	3,952,862	3,452,515	−12.7
Group ... number of certificates	120,316	43,081	34,732	45,913	61,996	35,986	47,028	+35.0	+31.8	167,794	185,722	+10.7
Total policies and certificates ... number	1,300,382	1,100,098	1,085,311	1,349,928	1,265,022	1,373,276	1,295,260	−6.3	−2.3	5,156,450	4,800,359	−6.9
Amount of new insurance (44 companies):												
Ordinary ... thous. of dolls.	841,215	712,855	730,735	884,535	839,531	830,244	793,786	−5.1	+5.8	2,967,415	3,167,656	+6.7
Industrial ... thous. of dolls.	234,046	218,027	212,813	264,415	241,129	274,824	256,279	−8.8	−5.9	1,027,880	936,384	−8.9
Group ... thous. of dolls.	160,514	64,313	59,930	73,234	113,514	64,813	72,238	+55.0	+57.1	294,295	310,991	+5.7
Total insurance ... thous. of dolls.	1,235,775	995,195	1,003,478	1,222,184	1,194,174	1,169,881	1,122,303	−2.3	+6.4	4,289,590	4,415,031	+2.9

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 4,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BANKING AND FINANCE—Continued												
Life Insurance—Continued												
(*Asssociation of Life Insurance Presidents*)—Continued												
Premium collections (44 companies):												
Ordinary.....thous. of dolls..	190,844	164,920	162,944	183,205	174,280	175,645	172,282	−4.9	+1.2	669,424	685,349	+2.4
Industrial.....thous. of dolls..	97,619	58,711	55,659	65,605	53,948	56,159	55,768	−17.8	−3.3	217,689	233,923	+7.5
Group.....thous. of dolls..	10,560	9,669	8,099	8,343	7,598	7,515	8,336	−8.9	−8.9	42,449	33,709	−20.6
Annuities.....thous. of dolls..	.....	[4] 14,390	[4] 4,681	[4] 5,249	[4] 5,454	.....	.....	+3.9	.....	.....	[4] 29,774	.....
Total.....thous. of dolls..	299,023	[4] 247,690	[4] 231,383	[4] 262,403	[4] 241,280	239,319	236,386	−8.0	+2.1	929,562	982,756	+5.7
Admitted life insurance assets (40 companies):												
Grand total.....mills. of dolls..	14,135	14,238	14,329	14,444	14,543	13,173	13,269	+0.7	+9.6	.....	.....	.....
Mortgage loans—												
Total.....mills. of dolls..	6,048	6,082	6,100	6,116	6,140	5,675	5,710	+0.4	+7.5	.....	.....	.....
Farm.....mills. of dolls..	1,591	1,590	1,588	1,577	1,576	1,597	1,597	−0.1	−1.3	.....	.....	.....
All other.....mills. of dolls..	4,457	4,492	4,512	4,539	4,564	4,078	4,113	+0.6	+11.0	.....	.....	.....
Bonds and stocks (book value):												
Total.....mills. of dolls..	5,264	5,310	5,344	5,384	5,420	5,007	5,037	+0.7	+7.6	.....	.....	.....
Government.....mills. of dolls..	1,053	1,058	1,062	1,061	1,065	1,004	1,017	+0.4	+4.7	.....	.....	.....
Railroad.....mills. of dolls..	2,539	2,549	2,554	2,554	2,572	2,472	2,477	+0.7	+3.8	.....	.....	.....
Public utility.....mills. of dolls..	1,319	1,348	1,367	1,389	1,398	1,247	1,251	+0.6	+11.8	.....	.....	.....
All other.....mills. of dolls..	353	355	361	380	385	284	292	+1.3	+31.8	.....	.....	.....
Policy loans and premium notes.....mills. of dolls..	1,842	1,874	1,897	1,922	1,942	1,587	1,608	+1.0	+20.8	.....	.....	.....
(*Life Insurance Sales Research Bureau*)												
Sales of ordinary life insurance:												
United States total.....thous. of dolls..	915,894	755,821	798,709	941,801	897,871	896,333	862,578	−4.7	+4.1	3,222,915	3,394,202	+5.3
Eastern manuf. dis....thous. of dolls..	350,504	325,695	345,320	401,432	370,797	385,309	355,180	−7.6	+4.4	1,372,729	1,443,244	+5.1
Western manuf. dis....thous. of dolls..	211,265	169,279	177,421	215,909	201,268	207,017	196,585	−6.8	+2.4	744,115	763,877	+2.7
Western agric. district.thous. of dolls..	143,354	105,573	107,335	131,342	131,635	122,062	125,988	+0.2	+4.5	449,054	475,885	+6.0
Southern district.....thous. of dolls..	110,994	83,228	86,836	98,391	99,928	97,421	98,246	+1.6	+1.7	348,975	368,383	+5.6
Far western district...thous. of dolls..	99,777	72,046	81,797	94,727	94,243	84,524	86,579	−0.5	+8.9	308,042	342,813	+11.3
Canada total, 15 companies.thous. of dolls..	55,350	46,788	45,499	50,327	52,708	49,406	53,333	+4.7	−1.2	201,279	195,322	−3.0
Dividend and Interest Payments												
Grand total.....thous. of dolls..	690,947	1,120,014	517,054	608,442	744,881	528,970	[4] 678,800	+22.4	+9.7	2,572,545	2,990,391	+16.2
Interest payments.....thous. of dolls..	412,447	557,014	224,154	280,042	419,681	264,170	398,100	+49.9	+5.4	1,377,645	1,480,891	+7.5
Dividend payments:												
Total.....thous. of dolls..	278,500	563,000	292,900	328,400	325,200	264,800	[4] 280,700	−1.0	+15.9	1,312,300	1,509,500	+15.0
Industrial and misc.....thous. of dolls..	215,500	419,000	220,000	255,000	243,000	204,500	[4] 208,000	−4.7	+16.8	881,800	1,137,000	+28.9
Steam railroads.....thous. of dolls..	38,500	54,500	45,200	45,500	40,000	39,300	[4] 34,200	−12.1	+17.0	156,600	185,200	+18.3
Street railways.....thous. of dolls..	14,500	17,500	9,700	7,900	10,700	7,800	[4] 10,500	+35.4	+1.9	43,400	45,800	+5.5
New Security Issues												
Foreign loans in the U. S.....thous. of dolls..	58,751	75,000	101,060	162,000	165,000	179,691	12,457	+1.9	.....	276,737	503,000	+81.8
Foreign governments.....thous. of dolls..	.....	4,000	40,000	26,000	121,675	10,000	.....	+368.0	.....	35,750	191,675	+436.2
Corporation, total.....thous. of dolls..	344,946	702,179	496,209	646,326	679,703	940,780	[4] 720,829	+5.2	−5.7	3,608,061	2,524,417	−30.0
Purpose of issue—												
New capital.....thous. of dolls..	261,891	629,083	468,574	630,889	628,444	882,453	[4] 586,657	−0.4	+7.1	3,150,621	2,356,990	−25.2
Refunding.....thous. of dolls..	83,055	73,096	27,635	15,437	51,259	58,327	134,172	+232.1	−61.8	457,440	167,427	−63.4
Type of security—												
Stocks.....thous. of dolls..	203,594	126,813	156,143	123,388	261,380	565,389	[4] 453,307	+111.8	−39.7	2,305,055	667,724	−71.0
Bonds and notes.....thous. of dolls..	141,352	575,366	340,066	522,938	418,323	375,391	287,522	−20.0	+45.5	1,303,006	1,856,693	+43.2
Class of industry—												
Railroads.....thous. of dolls..	133,183	60,483	118,225	223,013	178,662	21,500	159,783	−19.9	+11.8	254,591	580,383	+128.0
Public utilities.....thous. of dolls..	150,779	492,000	172,445	228,481	130,777	316,262	[4] 127,311	−42.8	+2.7	871,658	1,023,723	+17.4
Industrials.....thous. of dolls..	20,897	34,595	141,395	49,931	169,229	215,350	145,118	+238.9	+16.6	760,770	395,150	−48.1
Oil.....thous. of dolls..	4,900	2,275	6,500	76,000	63,742	11,594	35,267	−16.1	+80.7	77,528	148,517	+91.6
Land and buildings....thous. of dolls..	12,683	28,193	17,725	17,075	64,541	77,314	33,952	+278.0	+90.1	298,524	127,534	−57.3
Shipping and misc.....thous. of dolls..	22,504	84,634	39,119	51,226	72,752	289,395	[4] 202,572	+42.0	−64.1	1,291,960	247,731	−80.8
States and municipalities:												
Permanent loans.....thous. of dolls..	286,517	103,851	80,440	[4] 127,028	141,123	109,056	87,343	+11.1	+6.6	358,503	452,442	+26.2
Temporary loans.....thous. of dolls..	50,624	96,779	81,724	[4] 102,040	15,030	55,411	105,141	−85.3	−85.4	346,976	295,573	−14.8
Bond sales (Canada):												
Govt. and provincial.....thous. of dolls..	33,500	3,358	8,500	4,165	19,820	.....	10,000	+375.9	+98.2	16,417	35,843	+118.3
Municipal.....thous. of dolls..	28,139	7,773	12,521	10,821	8,861	5,444	1,420	−18.1	+524.0	30,923	39,976	+29.3
Corporation.....thous. of dolls..	31,830	15,000	35,290	15,975	25,400	47,326	2,485	+59.0	.....	91,741	91,665	−0.1
Tax-exempt securities outstanding, end of month.....mills. of dolls..	19,040	19,061	19,173	[4] 19,665	19,778	17,221	17,329	+0.6	+14.1	.....	.....	.....
Agricultural Finances												
Loans outstanding, end mo.:												
Federal farm loan banks...thous. of dolls..	1,197,282	1,195,787	1,195,735	1,194,918	1,194,324	1,202,571	1,203,724	0.0	−0.8	.....	.....	.....
Joint-stock land banks....thous. of dolls..	584,824	582,062	580,148	577,195	574,392	604,294	602,421	−0.5	−4.7	.....	.....	.....
Federal intermediate credit banks.....thous. of dolls..	76,091	77,129	77,802	81,184	89,507	80,706	77,609	+10.3	+15.3	.....	.....	.....
Stocks and Bonds												
Stock prices, average daily closing:												
25 industrials, average....dolls. per share..	286.95	294.78	315.25	328.24	349.46	355.10	357.70	+6.5	−2.3	.....	.....	.....
25 railroads, average.....dolls. per share..	126.84	126.29	131.94	131.55	131.18	129.30	128.49	−0.3	+2.1	.....	.....	.....
Southern cotton mills.....dolls. per share..	86.73	85.63	84.90	82.20	80.70	98.10	98.00	−1.8	−17.7	.....	.....	.....
103 stocks, average.....dolls. per share..	62.48	65.46	66.56	69.71	64.66	83.61	81.55	−7.2	−20.7	.....	.....	.....
Stock prices, average weekly closing:												
Industrials, rails, and utilities (402).....rel. to 1926..	153.8	156.3	165.5	172.4	181.0	189.1	186.6	+5.0	−3.0	.....	.....	.....
All industrials (335).....rel. to 1926..	146.9	148.8	155.9	163.0	170.8	196.0	193.4	+4.8	−11.7	.....	.....	.....
All railroads (33).....rel. to 1926..	136.3	136.5	142.5	143.2	141.7	140.4	138.3	−1.0	+2.5	.....	.....	.....
All utilities (34).....rel. to 1926..	200.9	208.7	230.6	242.1	263.7	203.7	201.4	+8.9	+30.9	.....	.....	.....

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 2 THROUGH APR. 2,		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
BANKING AND FINANCE—Continued												
Stocks and Bonds—Continued												
Stock prices, average weekly closing—Contd.												
Automobiles and trucks (13)..rel. to 1926..	133.6	135.0	145.0	154.9	162.0	284.2	277.6	+4.6	−41.6			
Automobile tires and rubber goods (7)..rel. to 1926..	99.6	95.9	103.7	111.1	111.1	209.8	200.3	0.0	−44.5			
Airplane (10)..rel. to 1926..	360.2	363.3	413.8	536.8	647.1	905.1	923.0	+20.5	−29.9			
Agricultural implements (4)..rel. to 1926..	276.0	296.0	329.1	346.5	393.9	395.0	389.5	+13.7	+1.1			
Chain stores (17)..rel. to 1926..	106.1	102.3	100.2	99.9	101.1	149.6	148.7	+1.2	−32.0			
Copper and brass (9)..rel. to 1926..	196.0	192.8	193.3	192.8	174.3	329.3	294.0	−9.6	−40.7			
Food, other than meat (20)..rel. to 1926..	144.1	146.0	150.6	153.4	159.9	173.9	171.4	+4.2	−6.7			
Machinery and machine equipment (10)..rel. to 1926..	142.5	145.6	154.4	161.4	172.9	167.2	163.1	+7.1	+6.0			
Oil producing and refining (16)..rel. to 1926..	131.9	128.8	127.5	140.6	155.7	141.4	147.6	+10.7	+5.5			
Railroad equipment (9)..rel. to 1926..	123.7	124.1	127.9	126.4	119.8	144.3	142.4	−5.2	−15.9			
Rayon (5)..rel. to 1926..	96.7	91.2	86.1	84.5	88.0	143.7	143.2	+4.1	−38.5			
Steel and iron (9)..rel. to 1926..	169.9	177.1	187.8	191.9	196.8	186.6	190.8	+2.6	+3.1			
Textiles (30)..rel. to 1926..	76.6	78.3	85.0	84.7	83.2	136.2	131.5	−1.8	−36.7			
Theaters, motion pictures, and amusements (7)..rel. to 1926..	88.6	96.0	121.2	135.5	151.5	146.2	135.8	+11.8	+11.6			
Tobacco and tobacco products (10)..rel. to 1926..	135.0	139.3	152.3	159.6	157.8	142.5	136.4	−1.1	+15.7			
Traction, motor transportation, etc. (9)..rel. to 1926..	75.2	78.4	82.4	85.7	85.0	97.4	90.4	−0.8	−6.0			
Stock yields:												
Total common (90)..per cent..	4.48	4.38	4.14	3.99	3.78	3.31	3.35	−5.3	+12.8			
Industrials (50)..per cent..	4.83	4.75	4.53	4.36	4.13	3.28	3.32	−5.3	+24.4			
Public utilities (20)..per cent..	3.08	2.91	2.64	2.55	2.34	2.59	2.65	−8.2	−11.7			
Railroads (20)..per cent..	5.01	5.03	4.80	4.78	4.84	4.62	4.68	+1.3	+3.4			
Preferred high grade industrial (20)..per cent..	5.54	5.53	5.52	5.48	5.46	5.44	5.45	−0.4	+0.2			
Stock sales, N. Y. Stock Exch..thous. of shares..	83,862	62,308	68,723	96,552	126,910	105,662	82,600	+31.4	+53.6	377,035	354,493	−6.0
Bond sales:												
Miscellaneous..thous. of dolls..	262,174	201,400	195,046	335,934	264,898	201,566	205,649	−21.1	+28.8	817,089	997,278	+22.1
Liberty-Treasury..thous. of dolls..	15,361	7,975	8,136	15,222	9,731	12,149	9,970	−36.1	−2.4	45,395	41,064	−9.5
Total..thous. of dolls..	277,535	209,375	203,182	351,156	274,629	213,715	215,619	−21.8	+27.4	862,484	1,038,342	+20.4
Bond prices:												
Highest-grade rails..p. ct. of par. 4% bond..	89.18	89.52	88.81	90.52	89.81	87.87	88.05	−0.8	+2.0			
Second-grade rails..p. ct. of par. 4% bond..	82.66	82.39	82.66	84.73	84.32	79.13	79.27	−0.5	+6.4			
Public utility..p. ct. of par. 4% bond..	73.41	73.45	74.10	75.63	75.76	77.68	76.19	+0.2	−0.6			
Industrial..p. ct. of par. 4% bond..	75.26	74.49	74.59	76.06	76.64	77.49	77.47	+0.8	−1.1			
Comb. price index..p. ct. of par. 4% bond..	79.65	79.44	79.58	81.27	81.23	80.34	80.00	0.0	+1.5			
Bond prices, 1st of following month:												
5 Liberty bonds..p. ct. of par..	103.76	103.08	103.87	104.53	104.16	100.14	101.75	−0.4	+2.4			
50 domestic bonds..p. ct. of par..	97.81	97.90	98.16	99.20	98.87	97.43	98.25	−0.3	+0.6			
40 representative issues..p. ct. of par..	88.40	89.74	90.88	93.88	91.97			−2.0				
Bond yields:												
Total, 60 high grade..per cent..	4.64	4.64	4.65	4.55	4.54	4.69	4.69	−0.2	−3.2			
Railroads (15)..per cent..	4.50	4.51	4.53	4.43	4.47	4.59	4.59	+0.9	−2.6			
Industrials (15)..per cent..	5.03	5.04	5.02	4.95	4.91	5.02	5.02	−0.8	−2.2			
Utilities (15)..per cent..	4.80	4.79	4.79	4.71	4.69	4.81	4.85	−0.4	−3.3			
Municipal (15)..per cent..	4.22	4.23	4.24	4.12	4.11	4.32	4.29	−0.2	−4.2			
Municipal bond yield (20)..per cent..	4.23	4.29	4.27	[4] 4.15	4.17	4.34	4.25	+0.5	−1.9			
U. S. Treasury notes and certificates, 3-6 months..per cent..	3.03	3.39	3.36	2.95	3.00	4.60	4.80	+1.7	−37.5			
Liberty and Treasury bonds..per cent..	3.46	3.51	3.50	3.40	3.46	3.76	3.67	+1.8	−5.7			
Long-term and real-estate bonds issued:												
Grand total..thous. of dolls..	8,100	23,363	15,290	11,350	27,435	68,431	21,711	+141.7	+26.4	185,256	77,438	−58.2
Purpose of issue—												
Finance construction..thous. of dolls..	4,530	17,500	3,050	4,740	8,295	23,250	12,962	+75.0	−36.0	58,767	33,585	−42.9
Real-estate mortgage..thous. of dolls..	215	2,075	3,205	1,360	180	31,663	4,529	−86.8	−96.0	55,261	6,820	−87.7
Acquisitions and improvements..thous. of dolls..	300	750	200	850	5,000	9,280	2,000	+488.2	+150.0	40,350	6,800	−83.1
Kind of structure—												
Office and commercial..thous. of dolls..	1,530	17,225	8,800	5,130	7,685	22,340	5,390	+49.8	+42.6	46,965	38,840	−17.3
Hotels..thous. of dolls..		690			110	375	7,810		−98.6	10,460	800	−92.4
Apartments..thous. of dolls..	3,090	235		385	5,000	1,375	1,722		+190.4	8,182	5,620	−31.3
Interest rates..per cent..	6.16	6.10	6.01	6.00	6.13	5.87	5.90	+2.2	+3.9			
FOREIGN EXCHANGE RATES												
Europe:												
England..dolls. per £ sterling..	4.88	4.87	4.86	4.86	4.86	4.85	4.85	0.0	+0.2			
France..dolls. per franc..	.039	.039	.039	.039	.039	.039	.039	0.0	0.0			
Italy..dolls. per lira..	.052	.052	.052	.052	.052	.052	.052	0.0	0.0			
Belgium..dolls. per franc..	.140	.139	.139	.139	.140	.139	.139	+0.7	+0.7			
Netherlands..dolls. per guilder..	.404	.402	.401	.401	.402	.401	.401	+0.2	+0.2			
Sweden..dolls. per krone..	.270	.269	.268	.269	.269	.267	.267	0.0	+0.7			
Switzerland..dolls. per franc..	.194	.194	.193	.194	.194	.192	.193	0.0	+0.5			
Asia:												
Japan..dolls. per yen..	.490	.491	.491	.493	.494	.445	.446	+0.2	+10.8			
India..dolls. per rupee..	.364	.363	.362	.361	.361	.364	.363	0.0	−0.6			
America:												
Canada..dolls. per Canadian doll..	.991	.989	.992	.998	1.000	.994	.992	+0.2	+0.8			
Argentina..dolls. per gold peso..	.930	.913	.865	.856	.886	.956	.956	+3.5	−7.3			
Brazil..dolls. per milreis..	.113	.111	.112	.115	.117	.118	.118	+1.7	−0.8			
Chile..dolls. per paper peso..	.121	.121	.120	.121	.121	.121	.121	0.0	0.0			

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"	1929	1930				1929		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH APR. 30		Per ct. increase (+) or decrease (−) cumulative 1930 from 1929
	December	January	February	March	April	March	April	April, 1930, from March, 1930	April, 1930, from April, 1929	1929	1930	
U. S. FOREIGN TRADE												
Imports												
Grand total.....thous. of dolls..	309,809	310,968	281,707	[4] 300,469	307,927	383,818	410,666	+2.5	−25.0	1,532,823	1,201,072	−21.6
By grand divisions:												
Europe—												
Total.....thous. of dolls..	86,562	88,783	84,616	87,726	.....	109,839	113,942	.....	.....	[3] 321,295	[3] 261,125	−18.7
France.....thous. of dolls..	11,081	10,831	10,442	9,852	.....	14,522	11,432	.....	.....	[3] 42,012	[3] 31,125	−25.9
Germany.....thous. of dolls..	15,164	17,667	16,029	18,663	.....	20,793	24,426	.....	.....	[3] 61,640	[3] 52,359	−15.1
Italy.....thous. of dolls..	9,030	7,770	6,685	6,821	.....	8,518	9,819	.....	.....	[3] 25,812	[3] 21,276	−17.6
United Kingdom.....thous. of dolls..	18,131	18,163	20,014	21,194	.....	31,458	29,978	.....	.....	[3] 84,486	[3] 59,371	−19.7
North America—												
Total.....thous. of dolls..	66,393	68,784	61,494	70,636	.....	92,253	93,639	.....	.....	[3] 254,460	[3] 200,914	−21.0
Canada.....thous. of dolls..	37,637	37,394	33,289	38,431	.....	39,938	40,395	.....	.....	[3] 118,972	[3] 109,114	−8.3
South America—												
Total.....thous. of dolls..	49,099	44,035	46,488	48,669	.....	60,716	61,284	.....	.....	[3] 178,776	[3] 139,192	−22.1
Argentina.....thous. of dolsl..	9,507	6,572	9,453	12,175	.....	12,679	13,063	.....	.....	[3] 32,702	[3] 28,200	−13.8
Asia and Oceania—												
Total.....thous. of dolls..	101,296	97,712	83,471	87,154	.....	110,470	124,500	.....	.....	[3] 339,105	[3] 268,337	−20.9
Japan.....thous. of dolls..	39,413	31,106	28,110	23,205	.....	36,020	28,819	.....	.....	[3] 106,602	[3] 82,421	−22.7
Africa, total.....thous. of dolls..	7,223	11,653	5,721	6,280	.....	10,541	17,300	.....	.....	[3] 28,521	[3] 23,654	−17.1
By economic classes:												
Crude materials.....thous. of dolls..	115,631	109,026	98,581	[4] 101,685	105,686	138,645	146,932	+3.9	−28.1	565,620	414,978	−26.6
Foodstuffs, crude, and food animals.....thous. of dolls..	41,249	39,375	39,394	40,136	38,565	48,943	52,172	−3.9	−26.1	198,980	157,470	−20.9
Manufactured foodstuffs..thous. of dolls..	24,389	23,933	20,414	[4] 26,933	31,110	44,330	45,919	+15.5	−32.3	155,785	102,391	−34.3
Semimanufactures.....thous. of dolls..	57,826	68,022	[4] 59,034	[4] 62,692	61,787	70,525	82,264	−1.4	−24.9	293,250	251,534	−14.2
Finished manufactures....thous. of dolls..	70,713	70,613	64,288	[4] 69,023	70,779	81,375	83,379	+2.5	−15.1	319,187	274,699	−13.9
Exports												
Grand total, including reexports.....thous. of dolls..	426,596	411,314	348,962	[4] 369,624	334,000	489,849	425,264	−9.6	−21.5	1,844,887	1,463,900	−20.7
By grand division:												
Europe—												
Total.....thous. of dolls..	211,846	207,209	169,282	174,764	.....	211,894	172,188	.....	.....	[3] 647,669	[3] 551,255	−14.9
France.....thous. of dolls..	25,838	25,216	20,877	21,396	.....	24,621	19,444	.....	.....	[3] 75,297	[3] 67,489	−10.4
Germany.....thous. of dolls..	41,038	31,391	21,997	27,129	.....	32,984	26,537	.....	.....	[3] 108,482	[3] 80,517	−25.8
Italy.....thous. of dolls..	14,506	11,390	11,116	10,518	.....	15,057	13,065	.....	.....	[3] 43,764	[3] 33,024	−24.5
United Kingdom.....thous. of dolls..	77,917	79,351	59,442	58,076	.....	75,659	59,289	.....	.....	[3] 235,658	[3] 196,869	−16.5
North America—												
Total.....thous. of dolls..	93,959	88,911	90,507	100,359	.....	130,696	128,038	.....	.....	[3] 348,280	[3] 279,777	−19.7
Canada.....thous. of dolls..	57,003	54,162	57,696	66,565	.....	90,634	91,928	.....	.....	[3] 232,323	[3] 178,423	−23.2
South America—												
Total.....thous. of dolls..	38,618	37,481	28,236	31,292	.....	53,054	44,384	.....	.....	[3] 158,078	[3] 97,009	−38.6
Argentina.....thous. of dolls..	15,681	13,919	10,638	11,637	.....	19,122	15,874	.....	.....	[3] 57,886	[3] 36,194	−37.5
Asia and Oceania—												
Total.....thous. of dolls..	72,540	67,357	51,995	53,730	.....	79,809	69,498	.....	.....	[3] 230,393	[3] 173,082	−24.9
Japan.....thous. of dolls..	27,442	23,997	15,018	15,637	.....	23,086	20,579	.....	.....	[3] 71,672	[3] 54,652	−23.7
Africa, total.....thous. of dolls..	9,633	10,357	8,943	9,479	.....	14,395	11,156	.....	.....	[3] 35,202	[3] 28,779	−18.2
By economic classes:												
Total domestic exports only.thous. of dolls..	420,578	[4] 404,377	[4] 342,964	[4] 363,168	326,652	481,710	418,051	−10.1	−21.9	1,814,674	1,437,160	−20.8
Crude materials.....thous. of dolls..	125,995	103,907	[4] 67,711	[4] 70,429	52,421	86,458	71,255	−25.6	−26.4	370,655	294,468	−20.6
Foodstuffs, crude aud food animals.....thous. of dolls..	17,363	17,711	13,253	9,325	9,457	21,632	15,810	+1.4	−40.2	91,190	49,745	−45.4
Manufactured foodstuffs...thous. of dolls..	41,363	39,839	33,520	[4] 34,373	27,719	43,015	37,447	−19.4	−26.0	167,626	135,451	−19.2
Semimanufactures.....thous. of dolls..	54,443	50,784	[4] 45,304	[4] 49,106	47,689	66,890	65,413	−2.9	−27.1	260,968	192,883	−26.1
Finished manufactures....thous. of dolls..	181,414	192,136	[4] 183,176	[4] 199,936	189,366	263,715	228,126	−5.3	−17.0	924,237	764,613	−17.3
Agricultural exports (quantities):												
All commodities.....rel. to 1910–1914..	130	113	79	82	65	102	86	−20.7	−24.4	.....	.....	.....
All commodities except cotton.....rel. to 1910–1914..	129	123	105	98	83	129	112	−15.3	−25.9	.....	.....	.....
CANADIAN FOREIGN TRADE												
Total trade:												
Imports.....thous. of dolls..	84,365	84,910	80,922	113,026	71,402	135,287	97,517	−36.8	−26.8	426,805	350,260	−17.9
Exports.....thous. of dolls..	90,477	75,369	68,149	91,692	52,508	117,520	67,154	−42.7	−21.8	365,782	287,718	−21.3

[3] Cumulative through Mar. 31.

[4] Revised.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

PUBLICATIONS OF THE DEPARTMENT OF COMMERCE

Recent publications of the Department of Commerce having the most direct interest to readers of the SURVEY OF CURRENT BUSINESS are listed below. A complete list may be obtained by addressing the Division of Publications, Department of Commerce, at Washington. Copies of the publications may be purchased from the Superintendent of Documents, Government Printing Office, Washington, at the prices stated. If no price is mentioned, the publication is distributed free.

Aviation. Air Commerce bulletin.—Issued semimonthly by the Aeronautics Branch of the Department of Commerce and contains short articles on aviation developments and a list of air transport routes.

——— **Airports and Landing Fields.** 16 pages. (Aeronautics Branch. Aeronautics Bulletin No. 5.) This publication lists airports and landing fields now in operation and contains a list of proposed airports.

Bureau of Standards Journal of Research.—Published monthly and contains the papers formerly issued as Scientific and Technologic Papers series, which have been discontinued. The articles in the journal are known as the Research Papers series and are issued separately after publication in the journal. Single copies, 40¢; annual subscription, $2.75.

Chemicals and drugs.—Evolution of Hydrogen Sulphide from Vulcanized Rubber, by Edward Wolesensky. (Bureau of Standards. Research Paper No. 162.) Reprint from Bureau of Standards Journal of Research, vol. 4, Apr., 1930, pp. 501–513. Price, 5¢.

——— **German Chemical Developments in 1929.** ii+32 pages. (Bureau of Foreign and Domestic Commerce. Trade Information Bulletin No. 690.) Deals with the technical progress made in the chemical industry during 1929, dye trust activities, and fixed nitrogen, potash, and superphosphate industry operations. An appendix contains data on the German dye trust structure. Price, 10¢.

Color.—Reduction of Data on Mixture of Color Stimuli, by Deane B. Judd. (Bureau of Standards. Research Paper No. 163.) Reprint from Bureau of Standards Journal of Research, vol. 4, Apr., 1930, pp. 515–548, 6 illus. Price, 10¢.

Commercial standards.—Commercial Standards Service and its Value to Business. vi+34 pages, 3 illus., 1 plate, 1 chart. (Bureau of Standards. Commercial Standard CSO–30.) Account of the beginning of organized standardization activities, the application of commercial standards, and the work of the Standards Bureau in this service. Examples of standards are given. Price, 10¢.

——— **Foundry Patterns of Wood.** ii+18 pages, 1 plate. (Bureau of Standards. Commercial Standard CS19–30.) Price, 10¢.

——— **Hickory Golf Shafts.** iv+14 pages, 3 illus. (Bureau of Standards. Commercial Standard CS18–29.) Price 10¢.

Commercial Standards Monthly, Review of Progress in Commercial Standardization and Simplification. Published monthly by the Bureau of Standards. Annual subscription, $1

Employment for Americans in Latin America. Fifth edition. ii+20 pages. (Bureau of Foreign and Domestic Commerce.) Discussion of the limited opportunities for employment of Americans in Latin American countries.

Foodstuffs.—Salvador as Market for Foodstuffs. ii+21 pages. (Bureau of Foreign and Domestic Commerce. Trade Information Bulletin No. 692.) Brief account of the general economic conditions and the market for specific commodities in Salvador. Price, 10¢.

Fruit.—Fruit Markets in Eastern Asia: Joint Investigation by U. S. Department of Commerce and University of California. ii+14 pages. (Bureau of Foreign and Domestic Commerce. Trade Information Bulletin No. 693.) Study of the fruit market conditions in eastern Asia, selling agencies available, methods of trade promotion, and retail prices. Suggestions are given as to size of packages for shipments. Price, 10¢.

Hydrography.—Slope Corrections for Echo Soundings, by A. L. Shalowitz. ii+24 pages, 7 illus., 1 plate, 4 charts (Coast and Geodetic Survey. Special Publication No. 165.) Description of method used in taking depth soundings for ocean surveys. Price, 10¢.

Index to Commerce Reports, Nos. 1–13, Volume 1, Thirty-third Year, Jan.–Mar., 1930. ii+xxiv pages. This index is issued quarterly and lists all material published in Commerce Reports by subject, country, and author. Single copies, 5¢; annual subscriptions, 20¢.

Iron and Steel.—Physical Properties of Electrically Welded Steel Tubing, by H. L. Whittemore, J. S. Adelson, and E. O. Seaquist. (Bureau of Standards. Research Paper No. 161.)

Lumber.—Treated Lumber, Its Uses and Economies, Report of Subcommittee on Retail Distribution of Treated Lumber of National Committee on Wood Utilization. vi+42 pages, 15 illus. Report on the causes of deterioration of wood, such as dampness and insect pests, and the best methods of treatment for its preservation. An appendix gives data regarding amounts, kinds, and quantities of preservatives used in treating different kinds of wood. A bibliography on wood preservation is included. Price 15¢.

Machinery.—Engine-Ignition Shielding for Radio Reception in Aircraft, by H. Diamond and F. G. Gardner. (Bureau of Standards. Research Paper No. 158.) Reprint from Bureau of Standards Journal of Research, vol. 4, March, 1930, pp. 415–424, 2 illus., 10 pages of plates. Report on experiments to determine requirements for ignition shielding on aircraft. Price, 15¢.

——— **Markets for Sawmill and Woodworking Machinery in Scandinavia and Baltic States.** ii+26 pages. (Bureau of Foreign and Domestic Commerce. Trade Information Bulletin No. 691.) Price 10¢.

Maizolith.—Manufacture and Properties of Cellulose Product (Maizolith) from Cornstalks and Corncobs. ii+10 pages, 2 illus., 7 charts. (Bureau of Standards. Miscellaneous Publication No. 108.) Discussion of the methods and cost of manufacture of maizolith, with suggestions for uses. Price, 5¢.

Manufactures.—Census of Manufactures, 1927: Summary by Industry Groups and by Industries. 56 pages. (Bureau of the Census.) Price, 10¢.

Marine Standards. Mooring Pipes for Ships, Oval and Circular Types, Compiled and Promulgated by American Marine Standards Committee. 4 pages, 2 pages of illus. (Bureau of Standards. American Marine Standards H No. 51–1929 and H No. 52–1929.) Price, 5¢.

Metals and Minerals.—Bauxite and Aluminum in 1928. (Bureau of Mines. Mineral Resources of United States, 1928, Pt. I, pp. 423–427.) Price, 5¢.

——— **Bismuth.** ii+41 pages, 26 illus. (Bureau of Standards. Circular No. 382.) Study of the sources and properties of bismuth, the methods of refining, and the uses of this metallic element by itself and with alloys. Price, 10¢.

——— **Gold, Silver, Copper, Lead, and Zinc in Nevada in 1928,** by V. C. Heikes. (Bureau of Mines. Mineral Resources of United States, 1928, Pt. I, pp. 441–478.) Price, 10¢.

——— **Gold, Silver, Copper, Lead, and Zinc in Utah in 1928,** by C. N. Gerry. (Bureau of Mines. Mineral Resources of United States, 1928, Pt. I, pp. 479–527.) Price, 10¢.

——— **International Trade in Mica,** by Joseph Ulmer. iv+70 pages. (Bureau of Foreign and Domestic Commerce. Trade Promotion Series No. 95.) This bulletin deals with the resources and production of mica in different countries of the world and the international trade in this product. A brief bibliogtaphy is included. Price, 15¢.

——— **Mica in 1928,** by B. H. Stoddard. (Bureau of Mines. Mineral Resources of United States, 1928, Pt. II, pp. 607–614.) Price 5¢.

Monthly Summary of Foreign Commerce of United States, Mar., 1930. Parts I and II. (Bureau of Foreign and Domestic Commerce.) Part I contains statistics of exports of domestic merchandise, and imports by articles for March, 1929 and 1930, and for three months ending March, 1929 and 1930. Part II contains summaries of export and import trade; monthly average import and export prices; and statistics of trade with Alaska, Hawaii, and Porto Rico. Single copies, Part I, 10¢; Part II, 5¢. Annual subscription, $1.25.

Motion pictures.—European Motion-Picture Industry in 1929. ii+71 pages. (Bureau of Foreign and Domestic Commerce. Trade Information Bulletin No. 694.) Study of motion picture developments in the different European countries during 1929. Price, 10¢.

Motor Boats.—Regulation of Motor Boats. 4 pages. (Department of Commerce. Circular No. 236.) Text of the law and regulations promulgated thereunder by the Department of Commerce regarding equipment for motor boats.

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis

CHIEF FUNCTIONS OF THE DEPARTMENT OF COMMERCE

R. P. LAMONT, Secretary of Commerce

JULIUS KLEIN, Assistant Secretary of Commerce. EPHRAIM F. MORGAN, Solicitor

AERONAUTICS BRANCH

CLARENCE M. YOUNG, Assistant Secretary of Commerce for Aeronautics

Establishment of civil airways and maintenance of aids to air navigation; inspection and registration of aircraft and licensing of pilots; enforcement of air traffic rules; investigation of accidents; encouragement of municipal air ports; fostering of air commerce; scientific research in aeronautics; and dissemination of information relating to commercial aeronautics. (Some of these functions are performed by special divisions of the Lighthouse Service, the Bureau of Standards, and the Coast and Geodetic Survey.)

BUREAU OF THE CENSUS

WILLIAM M. STEUART, Director

Taking censuses of population, mines and quarries, water transportation, and religious bodies every 10 years; censuses of agriculture and electrical public utilities every 5 years; and a census of manufactures every 2 years.

Compilation of statistics of wealth, public debt and taxation, including financial statistics of local governments, every 10 years; annual compilation of financial statistics of State and municipal governments.

Compilation of statistics of marriage, divorce, births, deaths, and penal and other institutions annually, and of death rates in cities and automobile accidents weekly.

Compilation quarterly or monthly, of statistics on cotton, wool, leather, and other industries; annually of forest products; and publication monthly of Survey of Current Business.

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

WILLIAM L. COOPER, Director

The collection of timely information concerning world market conditions and openings for American products in foreign countries, through commercial attachés, trade commissioners, and consular officers, and its distribution through weekly Commerce Reports, bulletins, confidential circulars, the news and trade press, and district and cooperative offices in 65 cities.

The maintenance of commodity, technical, and regional divisions to afford special service to American exporters and manufacturers.

The compilation and distribution of lists of possible buyers and agents for American products in all parts of the world and publication of weekly lists of specific sales opportunities abroad.

The publication of statistics on imports and exports.

The study of the processes of domestic trade and commerce.

BUREAU OF STANDARDS

GEORGE K. BURGESS, Director

Custody, development, and construction of standards of measurement, quality, performance, or practice; comparison of standards used by scientific or other institutions; determination of physical constants and properties of materials; researches and tests on materials and processes; and publication of scientific and technical bulletins reporting results of researches and fundamental technical data.

Preparation of specifications for Government purchases, through the Federal Specifications Board.

Collection and dissemination of information concerning building codes and the planning and construction of houses.

Establishment of simplified commercial practices through cooperation with business organizations in order to reduce the wastes resulting from excessive variety in commodities.

BUREAU OF MINES

SCOTT TURNER, Director

Technical investigations in the mining, preparation, and utilization of minerals, including the study of mine hazards and safety methods and of improved methods in the production and use of minerals.

Testing of Government fuels and management of the Government Fuel Yard at Washington.

Research on helium and operation of plants producing it.

Studies in the economics and marketing of minerals and collection of statistics on mineral resources and mine accidents.

The dissemination of results of technical and economic researches in bulletins, technical papers, mineral resources series, miners' circulars, and miscellaneous publications.

BUREAU OF FISHERIES

HENRY O'MALLEY, Commissioner

The propagation and distribution of food fish and shellfish, in order to prevent the depletion of the fisheries; investigations to promote conservation of fishery resources; the development of commercial fisheries and agriculture; study of fishery methods, improvements in merchandising and collection of fishery statistics; administration of Alaska fisheries and fur seals; and the protection of sponges off the coast of Florida.

BUREAU OF LIGHTHOUSES

GEORGE R. PUTNAM, Commissioner

Maintenance of lighthouses and other aids to water navigation. Establishment and maintenance of aids to navigation along civil airways.

Publication of Light Lists, Buoy Lists, and Notices to Mariners, giving information regarding these aids to navigation.

COAST AND GEODETIC SURVEY

RAYMOND S. PATTON, Director

Survey of the coasts of the United States and publications of charts for the navigation of the adjacent waters, including Alaska, the Philippine Islands, Hawaii, Porto Rico, the Virgin Islands, and the Canal Zone; interior control surveys; magnetic surveys; tide and current observations; and seismological investigations.

Publication of results through charts, coast pilots, tide tables, current tables, and special publications.

BUREAU OF NAVIGATION

ARTHUR J. TYRER, Commissioner

Superintendence of commercial marine and merchant seamen.

Supervision of registering, enrolling, licensing, numbering, etc., of vessels under the United States flag, and the annual publication of a list of such vessels.

Enforcement of the navigation and steamboat inspection laws, including imposition of fees, fines, tonnage taxes, etc.

STEAMBOAT INSPECTION SERVICE

DICKERSON N. HOOVER, Supervising Inspector General

The inspection of merchant vessels, including boilers, hulls, and life-saving equipment, licensing of officers of vessels, certification of able seamen and lifeboat men, and the investigation of violations of steamboat inspection laws.

UNITED STATES PATENT OFFICE

THOMAS E. ROBERTSON, Commissioner

The granting of patents and the registration of trade-marks, prints, and labels after technical examination and judicial proceedings.

Maintenance of library with public search room, containing copies of foreign and United States patents and trade-marks. Recording bills of sale, assignments, etc., relating to patents and trade-marks. Furnishing copies of records pertaining to patents.

Publication of the weekly Official Gazette, showing the patents and trade-marks issued.

RADIO DIVISION

W. D. TERRELL, Chief

Inspection of radio stations on ships; inspection of radio stations on shore, including broadcasting stations; licensing radio operators; assigning station call letters; enforcing the terms of the International Radiotelegraphic Convention; and examining and settling international radio accounts.

U. S. GOVERNMENT PRINTING OFFICE: 1926

Digitized for FRASER
http://fraser.stlouisfed.org/
Federal Reserve Bank of St. Louis