UNITED STATES
DEPARTMENT OF COMMERCE
WASHINGTON

SURVEY OF CURRENT BUSINESS

JANUARY, 1930

No. 101

ISSUED BY

BUREAU OF THE CENSUS

IMPORTANT NOTICE

[illegible] to figures given from Government sources, there are also incorporated for completeness of [illegible] from other sources generally accepted by the trades, the authority and responsibility for [illegible] noted in the "Sources of Data" on pages 139–142 of the August, 1929, semiannual issue

Digi
http
Fed

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 August, 1929, 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 November and contains text covering the early [illegible] of December (page 1), for which the basic figures in table and chart form are presented regularly in the weekly [illegible]ents. As most data covering a particular month's business are not available until from 15 to 30 days after [illegible] of the month, a complete picture of that month's operations can not be presented at an early date, but the [illegible]lements 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 issues, 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. 101 WASHINGTON January, 1930

CONTENTS

SUMMARIES

	Page
Preliminary summary for December	1
Business conditions in November	4
Monthly business indicators (table and chart)	2, 3
Measures of industrial and commercial activity (charts):	
New building contracts and automobile production	8
Mineral production and railroad ton-mileage	8
Factory employment, manufacturing, and electric-power production	8
Check payments and retail trade	8
Indexes of business	15

DETAILED TABLES

National advertising; magazine and radio	18
Debits to individual accounts	20

INDEX BY SUBJECTS

	Text page	Table page
Textiles	9	23, 24
Metals and metal products	10	24–28
Fuels	11	28, 29
Automobiles and rubber	11	28, 30
Hides and leather	11	30, 31
Paper and printing	--	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	37–41
Transportation and public utilities	14	41–42
Employment and wages	5	43, 44
Distribution movement (trade, etc.)	14	44, 45
Banking, finance, and insurance	14	45–47
Foreign exchange and trade	14	48

PRELIMINARY SUMMARY FOR DECEMBER

Check payments during the early weeks of December were lower than in the corresponding period of 1928. Detroit factory employment, indicative of conditions in the automotive industry, was somewhat lower than a year ago. Petroleum production showed some recession from the preceding month, but was still above the level of last year.

Freight car loadings were lower than in the corresponding weeks of December, 1928. The volume of building contracts awarded was lower than in the corresponding period of the preceding year.

Operations in steel plants were on a much lower level than in the preceding month, and showed a decline also from December, 1928. Wholesale prices were generally lower than in November, and were about 5 per cent below the level of a year ago.

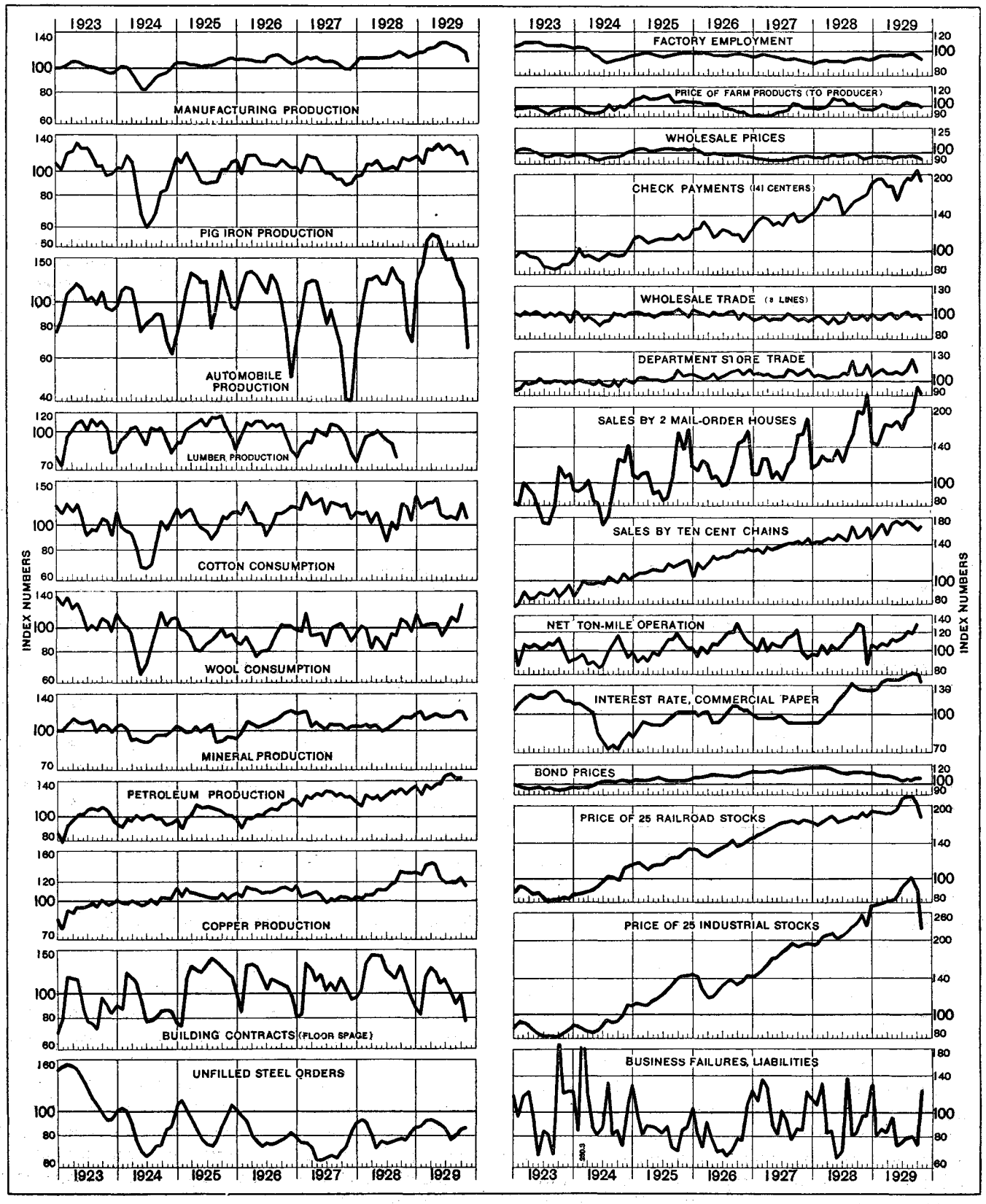
Loans and discounts of Federal reserve member banks showed a further recession during the month, but were higher than a year ago. The Federal reserve ratio averaged higher than in either the previous month or December of last year. Interest rates on both call and time money averaged lower than in either the preceding month or December, 1928. Brokers' loans were substantially lower than a year ago. Stock prices showed some recovery from the low point recorded during the middle of November, but were still below the level of last year. Bond prices averaged higher than in November, but were lower than a year ago. Business failures showed only slight change from December, 1928.

88021—30——1

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

MONTHLY BUSINESS INDICATORS, 1923–1929

[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]



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						1928			1929										
	1923	1924	1925	1926	1927	1928	Oct.	Nov	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
	1923 1925 monthly average=100																			
Industrial production:																				
* Total manufacturing	101.0	94.0	105.0	108.0	106.0	111.0	114.0	111.0	113.0	117.0	117.0	120.0	123.0	124.0	128.0	125.0	124.0	122.0	117.0	106.0
* Total minerals	105.0	96.0	99.0	107.0	107.0	106.0	114.0	113.0	112.0	117.0	120.0	107.0	115.0	116.0	112.0	114.0	115.0	118.0	118.0	110.0
Pig iron	111.7	86.7	101.5	109.0	101.0	105.5	112.9	110.5	112.8	115.2	107.3	124.3	122.6	130.5	124.4	126.7	125.7	117.1	120.1	106.5
Steel ingots	104.8	88.7	106.4	113.1	104.6	120.2	134.5	123.2	116.3	129.9	125.1	146.3	142.8	152.5	141.2	139.9	142.5	130.5	130.5	101.6
Automobiles	101.7	90.8	107.5	108.4	85.7	109.9	120.2	77.8	70.8	121.3	141.1	177.0	187.9	182.7	164.9	151.3	150.7	125.7	114.9	65.8
Cement	92.1	99.8	108.1	110.0	115.3	118.0	141.1	124.5	98.1	79.5	68.6	80.2	110.6	129.9	135.2	139.0	149.5	138.6	134.6	112.9
Cotton (consumption)	105.9	89.7	104.4	108.5	120.2	106.8	120.6	119.0	104.1	130.2	116.5	123.3	123.1	130.2	111.1	106.5	108.7	106.3	124.9	106.0
Wool (consumption)	112.[illegible]	94.6	92.6	89.7	97.0	94.7	108.6	105.7	96.8	114.0	101.3	102.7	103.8	102.9	93.0	99.8	111.1	105.0	125.3	98.5
Raw material output:																				
Animal products	100.0	104.0	96.0	96.0	97.0	99.0	102.0	93.0	92.0	96.0	80.0	88.0	99.7	108.9	111.8	116.0	100.0	98.7	102.6	95.2
Crops	91.9	104.0	104.0	109.0	113.3	117.0	252.1	179.7	152.3	112.5	81.9	72.5	57.4	51.1	56.3	91.1	134.5	177.1	246.3	154.6
Forest products	99.0	97.0	104.0	98.0	93.0	88.2	84.0	84.0	76.0	82.0	74.0	86.0	90.2	98.6	89.9	88.3	91.8	80.3	89.2	82.0
Crude petroleum	99.4	96.9	103.7	104.6	122.3	122.2	129.5	123.8	129.4	133.5	123.3	134.4	130.5	137.5	135.9	148.8	150.3	142.2	143.5	127.3
Bituminous coal	108.0	92.5	99.5	109.7	99.0	95.8	117.5	107.4	101.2	118.1	108.5	90.3	84.7	92.2	87.4	93.3	100.7	102.2	117.6	104.9
Copper	93.4	100.2	106.4	110.2	104.9	114.9	131.1	129.5	129.8	130.9	128.5	142.1	143.9	141.6	124.9	120.1	119.6	120.4	125.2	114.1
Power and construction:																				
Electric power	92.5	98.1	109.5	122.6	133.3	146.0	158.0	154.6	157.8	164.3	148.1	159.3	157.1	161.2	154.9	159.8	166.6	160.7	173.6	164.3
Building contracts (37 States)	89.7	92.7	117.6	111.0	106.8	121.4	129.1	111.1	98.2	88.6	81.9	117.1	128.0	122.4	109.7	113.7	100.5	90.2	98.9	76.9
Unfilled orders:																				
General index	121.7	87.0	91.3	84.6	74.0	76.2	71.5	72.7	71.0	76.8	79.5	85.5	93.1	88.4	83.4	82.1	76.0	76.8	76.8	75.9
U. S. Steel Corporation	125.[illegible]	83.6	90.6	82.1	71.1	80.7	78.6	76.9	83.3	86.1	86.8	92.4	92.7	90.1	89.2	85.6	76.6	81.7	85.6	86.4
Stocks:																				
General index	94.5	102.0	103.5	114.6	120.8	122.7	132.9	137.0	141.5	138.4	137.0	133.6	127.8	122.3	119.8	121.5	126.9	138.6	154.5	156.4
Manfd. commodities (28)	93.8	103.2	103.0	106.3	112.5	116.7	110.7	113.7	120.4	125.2	126.4	123.2	120.5	119.5	120.2	119.6	115.0	113.2	113.2	115.2
Cotton	102.5	91.4	106.2	145.5	153.1	123.8	155.1	181.4	187.7	169.8	149.5	130.5	109.9	88.4	70.9	54.2	58.2	106.8	177.5	199.8
Copper (refined)	106.4	113.9	73.1	64.8	85.4	58.4	40.3	46.1	57.8	55.4	48.8	46.8	50.8	62.2	73.4	86.3	92.2	83.7	78.1	111.7
Employment:																				
Factories	104.2	96.2	99.7	101.4	98.8	97.2	100.2	98.8	98.1	97.4	99.7	101.3	101.8	101.6	101.2	100.7	102.0	103.4	102.1	98.2
Prices:																				
Farm products, to producers	97.8	97.1	106.5	98.6	94.9	100.7	99.3	97.1	97.1	96.4	98.6	101.4	100.0	98.6	97.8	101.4	103.6	102.2	101.4	98.6
Wholesale, all commodities	99.9	97.4	102.8	99.3	94.7	97.0	97.1	96.0	96.0	96.5	96.0	96.8	96.1	95.1	95.7	97.3	97.0	96.8	95.6	93.7
Retail food	97.6	97.6	104.9	107.6	103.6	102.9	104.8	105.1	104.1	103.3	103.2	102.2	101.3	102.4	103.4	105.9	107.0	107.4	107.2	106.7
Cost of living (including food)	98.2	99.4	102.4	102.4	100.0	98.7	99.4	99.4	98.8	98.2	98.2	97.6	97.0	97.0	97.6	98.8	99.4	99.4	99.4	99.3
Distribution (values):																				
* Bank debits, 141 cities	91.2	96.7	111.9	119.6	132.5	158.2	161.8	165.1	172.3	187.2	194.3	195.1	180.6	180.5	159.0	184.8	198.2	192.8	211.1	190.0
* Wholesale trade	101.0	98.0	102.0	101.0	97.0	96.0	97.4	99.0	94.9	101.1	96.3	97.0	100.0	102.0	97.0	101.0	103.0	99.0	100.0	96.0
* Department stores, sales	98.0	99.0	103.0	106.0	107.0	108.0	105.0	106.0	116.0	105.0	110.0	113.0	105.0	107.0	112.0	106.0	112.0	123.0	109.0	108.0
Mail-order sales, 2 houses	89.2	98.1	112.7	120.2	126.2	147.6	194.4	188.4	227.4	144.9	141.8	163.3	170.0	168.2	176.4	163.0	183.7	192.8	242.3	225.3
* 10-cent chains, sales	88.0	99.0	113.0	125.0	138.0	150.0	148.0	151.0	163.6	145.8	156.9	167.4	153.0	172.0	174.0	162.0	174.0	168.0	159.0	166.0
Imports	97.8	93.1	109.0	114.3	108.0	105.5	110.0	101.1	105.0	114.2	114.4	118.8	127.1	123.9	109.4	109.6	114.3	108.8	121.1	104.9
Exports	91.5	100.8	107.8	105.5	106.8	112.6	145.1	143.5	125.3	128.5	116.4	129.0	112.2	101.4	103.6	106.2	100.4	115.3	139.6	118.0
Transportation:																				
Freight, net ton-miles	102.2	95.9	101.9	109.1	106.0	106.5	129.3	124.6	88.4	104.8	102.2	107.8	102.7	112.6	109.1	112.5	120.4	118.5	128.1	------
Finance:																				
Member bank loans and discounts	94.1	98.5	107.4	112.9	117.3	126.8	128.3	129.8	135.4	128.7	130.6	132.4	131.3	129.3	135.1	136.2	135.3	139.1	151.1	141.3
Interest rate (commercial paper)	116.2	90.0	93.5	100.9	95.4	112.8	127.6	124.8	124.8	124.8	127.6	136.4	139.2	139.2	139.2	139.2	142.2	145.0	145.0	133.4
Federal reserve ratio	99.0	104.1	96.9	96.0	99.1	89.1	87.0	84.5	80.2	89.9	90.5	92.6	94.9	96.5	94.4	96.4	97.7	94.2	89.9	93.0
Price, corporation bonds	96.4	99.9	103.6	108.0	112.5	113.0	111.3	112.0	110.7	110.8	109.6	108.0	107.6	106.7	105.4	104.9	104.1	103.9	105.2	105.0
Price, railroad stocks	86.0	96.1	117.9	133.4	162.7	174.5	176.4	186.0	180.3	189.3	188.3	184.9	183.7	184.4	192.1	213.4	216.3	217.7	203.5	176.2
Price, industrial stocks	86.1	91.9	122.0	132.4	171.4	214.8	234.5	252.6	229.0	275.0	280.3	283.7	285.8	290.3	297.8	330.8	344.5	358.5	316.3	219.4
Failures (liabilities)	106.0	106.8	87.2	80.4	102.2	95.6	82.5	95.8	96.2	127.1	80.3	85.7	83.2	97.2	74.0	76.5	79.6	80.5	73.9	122.8

* Seasonal adjustments.

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

BUSINESS CONDITIONS IN NOVEMBER

PRODUCTION

Industrial production in November, after adjustments for seasonal variations, showed a decline from both the previous month and November, 1928, according to the weighted index of the Federal Reserve Board. Both manufacturing production and the output of minerals showed declines from each comparative period. As compared with a year ago, the greatest relative decreases were registered in iron and steel and automobiles, while gains over November, 1928, were reported in the output of leather and shoes, cement, brick and glass, and tobacco manufactures.

COMMODITY STOCKS

The general index of commodity stocks in the hands of manufacturers showed a fractional gain over the preceding month and was higher than a year ago. The gain over last year was almost entirely due to larger holdings of raw materials, stocks of manufactured goods showing an increase of less than 1 per cent.

SALES

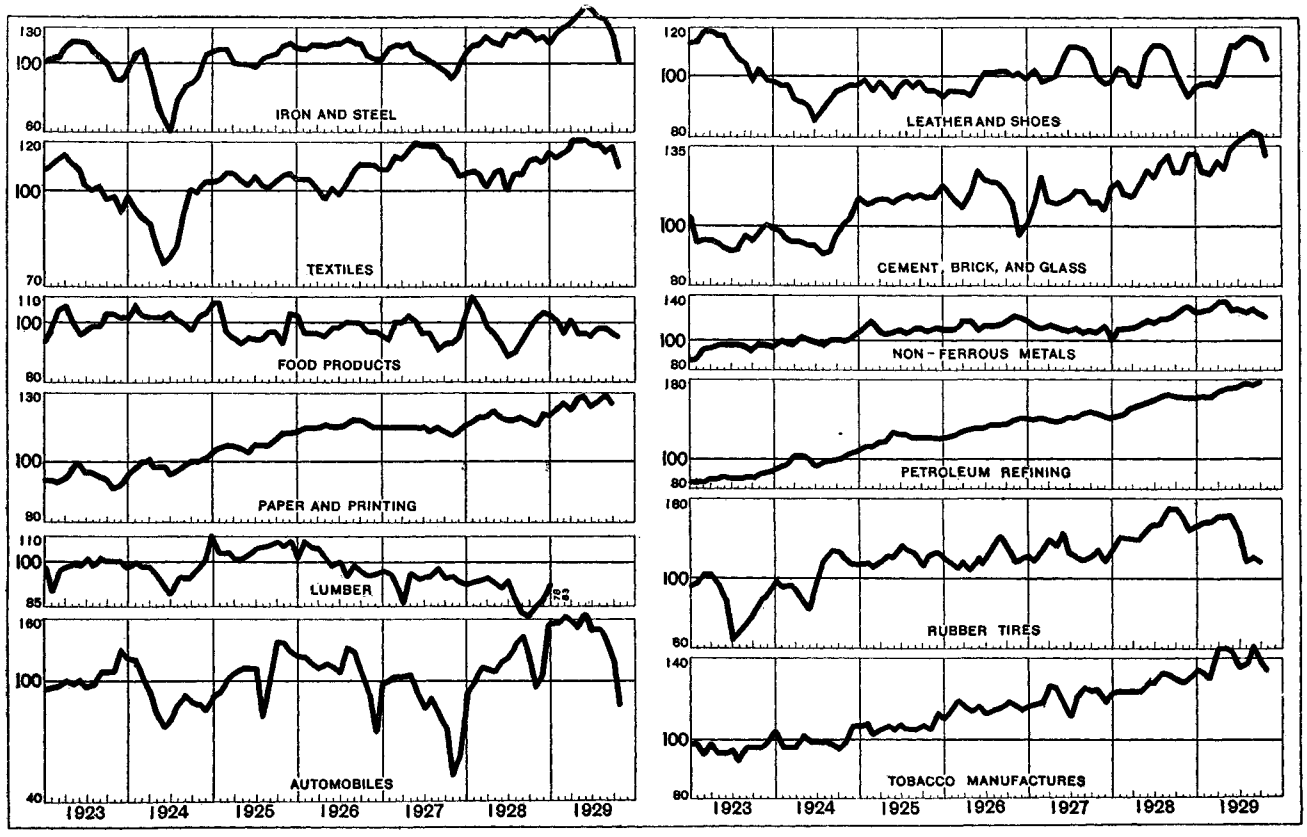
Unfilled orders for manufactured goods as measured by the general index showed a loss of 1 per cent from the preceding month but showed a gain of 3 per cent over a year ago. Declines from a year ago in unfilled orders for textiles and lumber were balanced by gains in iron and steel and transportation equipment, principally railroad.

Wholesale trade in November was lower than in the preceding month and showed a decline also from a year ago. Declines from last year in wholesale sales were general except for drugs which show a gain and furniture which showed no change. The volume of trade transacted by department stores was greater than a year ago. The value of merchandise stocks held by department stores at the end of November showed no change from last year.

Sales by mail-order houses were seasonally smaller than in October, but showed a large gain over November a year ago. Ten-cent store sales also were seasonally smaller than in the previous month, but recorded an increase over a year ago. Ten-cent store business and the business of mail-order houses for the first 11 months of the year showed considerable gains over the corresponding period of the previous year. The volume of business reported by the grocery and drug chains was greater than in November, 1928.

MANUFACTURING PRODUCTION BY MAJOR GROUPS

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



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

PRICES

The general index of wholesale prices was lower than in the preceding month and showed a decline from a year ago as well. All groups included within the general index showed declines from both periods except fuel and lighting, chemicals, and house-furnishing goods, which showed no change from the preceding month, and metals and building materials which were unchanged from last year, and house-furnishing goods which showed a gain of 1 per cent over November, 1928. Classified by condition of manufacture, the largest relative decline in a year ago was registered in the prices for finished products, where the decrease was little more than 3 per cent, while the smallest relative decrease was registered in the prices for semimanufactures and raw materials, at 1 per cent.

Prices paid to producers of agricultural commodities also declined from the preceding month but were higher than a year ago. As compared with the previous month, price increases for dairy and poultry, products, and cotton and cottonseed, were insufficient to offset declines in the prices for grains, fruits and vegetables, and meat animals.

The general index of the cost of living showed no change from either the previous month or November of last year. As compared with the previous month, lowered costs for food and shelter were balanced by higher costs for fuel and light. As compared with last year, higher costs for foods were offset by lower costs of clothing, light, and sundries.

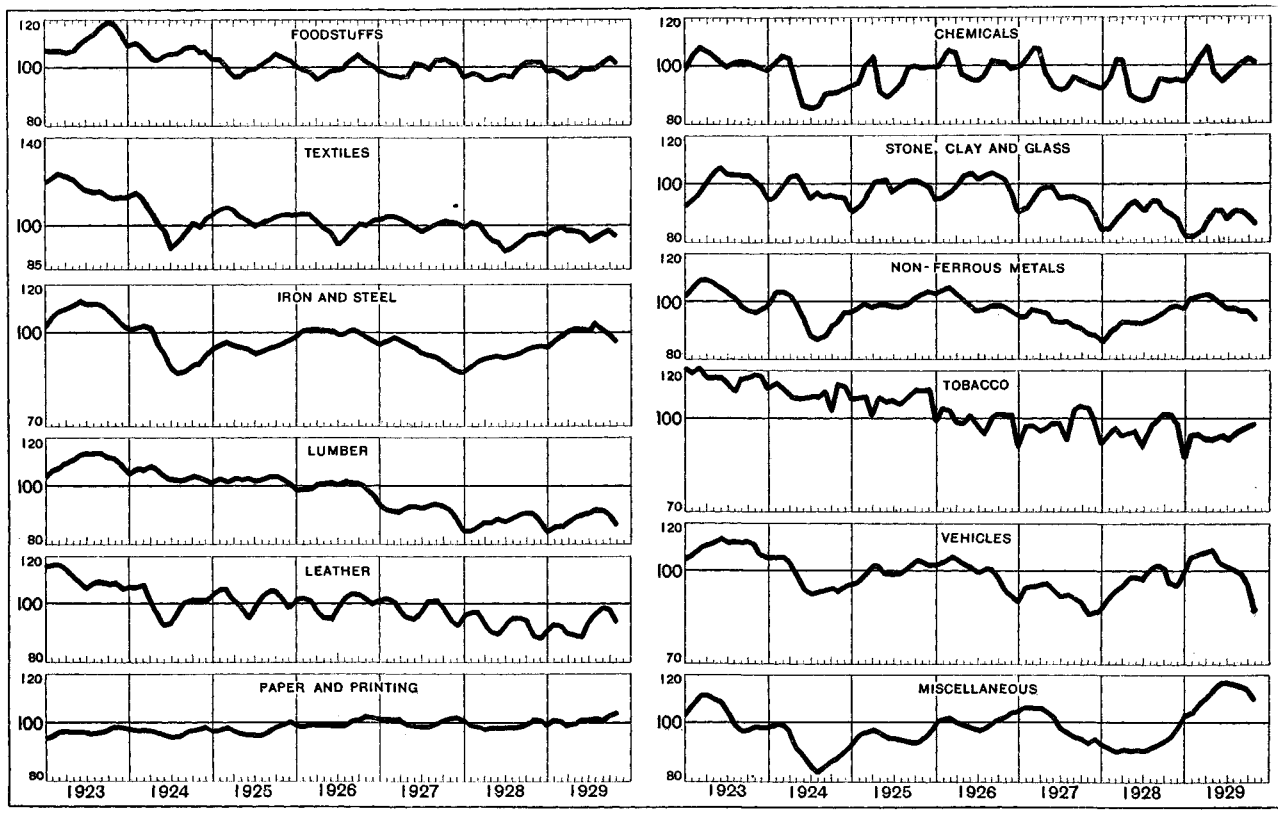
EMPLOYMENT

The general index of factory employment showed a decline of about 4 per cent from the previous month and was 1 per cent lower than a year ago. As contrasted with the previous month, all industrial groups included within the index showed declines except paper and printing and tobacco products, where increases of about 1 per cent were recorded. As compared with a year ago, gains in the employment in machinery, textiles, paper and printing, leather products, and chemical factories were insufficient to offset declines reported in iron and steel, lumber, transportation equipment, cement, clay and glass, nonferrous metals, rubber product and tobacco product factories. As compared with a year ago, declines of 10 per cent or more were registered in automobile employment and in factories producing rubber products.

Factory pay-roll payments in November were 7 per cent lower than in October and showed a decline of about 2 per cent from November of last year. Declines from the preceding month were universal in all major factory groups, the principal decreases occurring in factories producing automobiles, rubber products, leather products, and nonferrous metals. Contrasted with a year ago, gains in pay-roll payments in factories producing machinery, food products, paper and printing, leather products and chemicals were insufficient to offset decreases by factories producing iron and steel, textiles, lumber, transportation equipment, cement, clay and glass, nonferrous metals, and rubber products.

FACTORY EMPLOYMENT, BY GROUPS

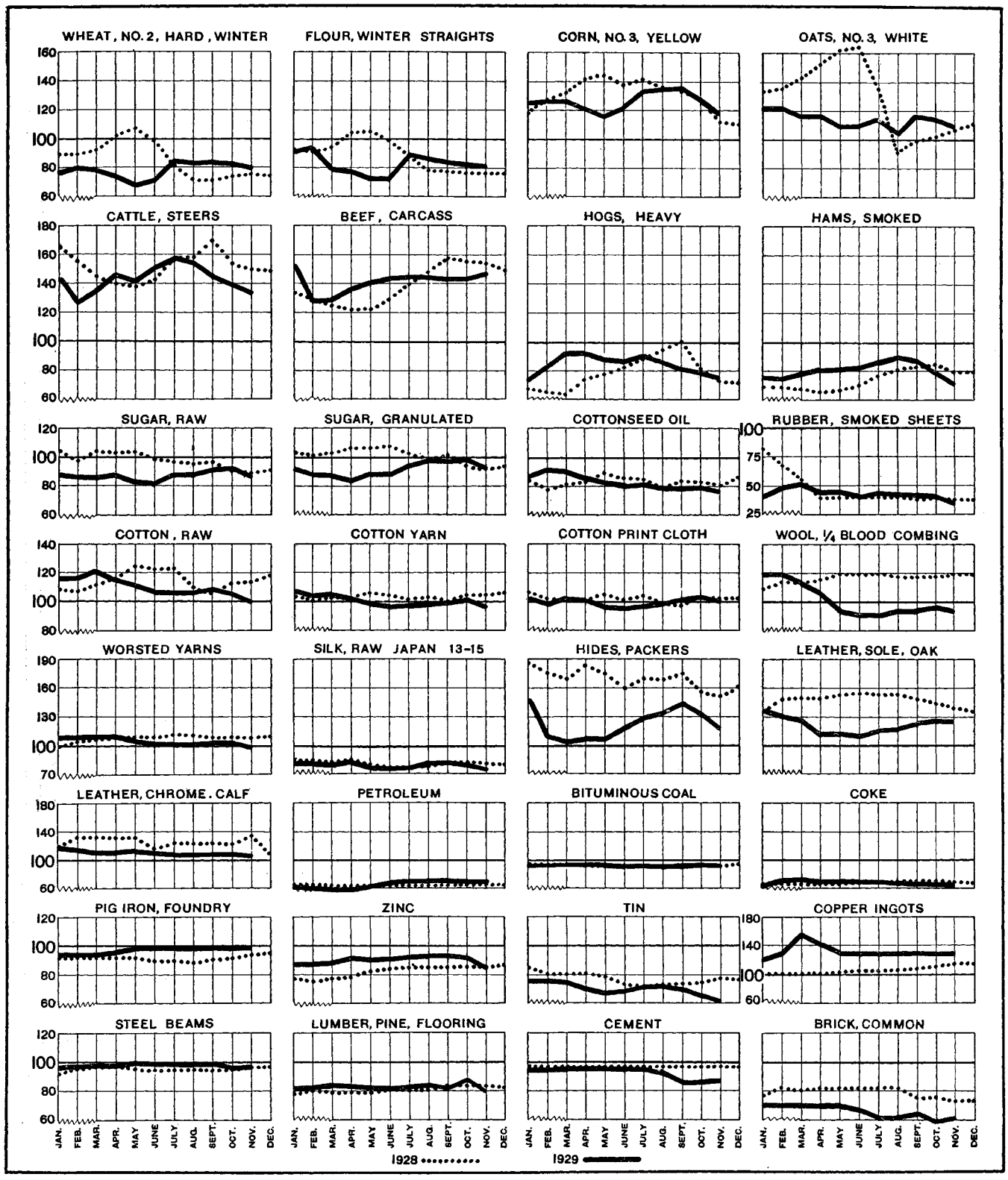
[1926 monthly average=100. November, 1929, is latest month plotted]



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. November, 1929, 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

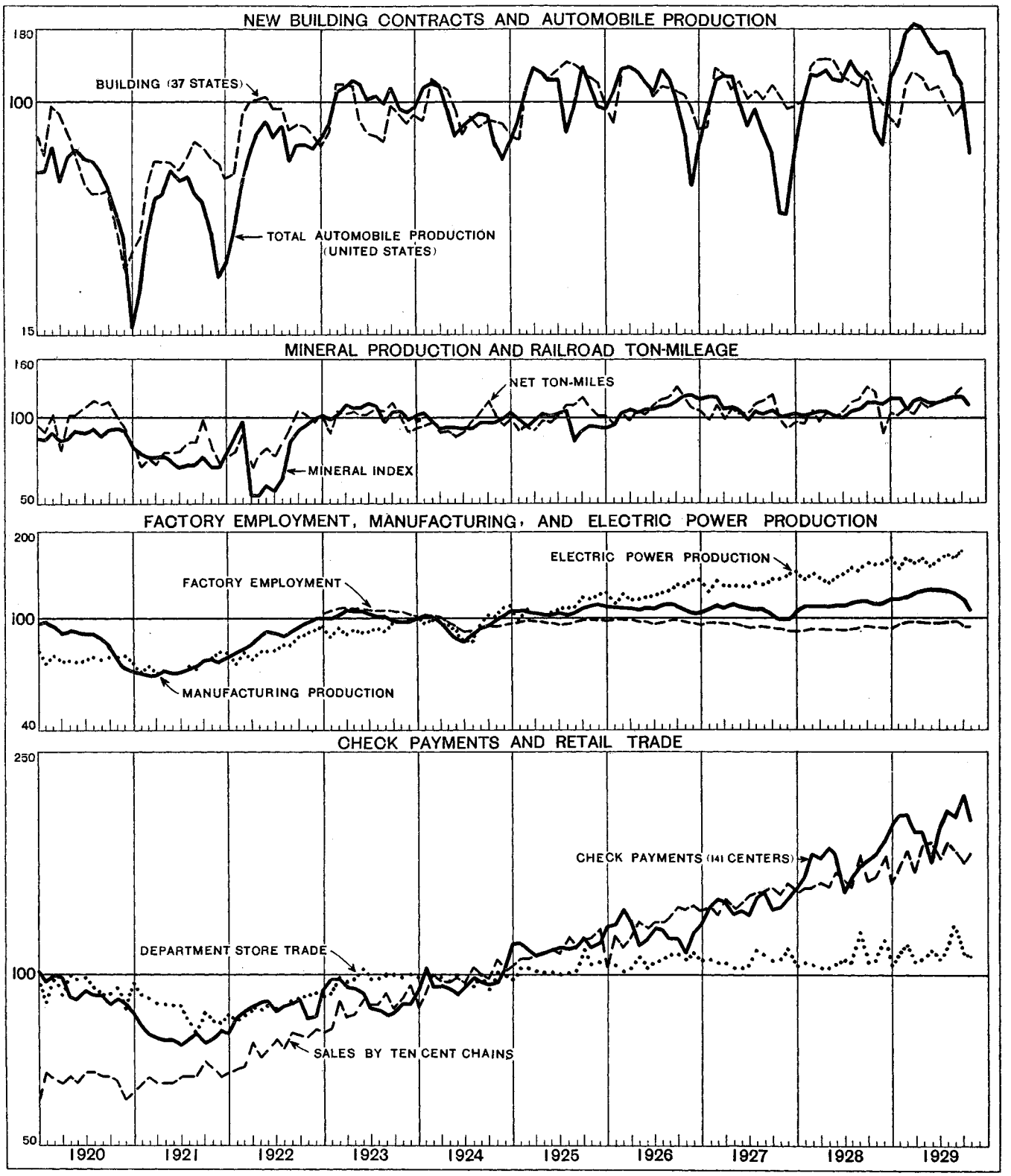
NOTE.—Prices to producer on farm products and market price of wool and grain prices are from *U. S. Department of Agriculture, Bureau of Agriculture Economics*, nonferrous metals from the *Engineering and Mining Journal-Press*, except tin, which is from the *American Metal Market*. All other prices are 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				
		October, 1929	November, 1929	November, 1928	September, 1929	October, 1929	November, 1929	October, 1928	November, 1928
FARM PRODUCTS—AVERAGE PRICE TO PRODUCER									
Wheat	Bushel	1.115	1.034	0.971	83	83	77	73	72
Corn	Bushel	.919	.810	.754	139	132	116	121	108
Potatoes	Bushel	1.382	1.348	.569	73	74	73	31	31
Cotton	Pound	.175	.162	.178	121	116	107	120	118
Cottonseed	Ton	31.40	30.75	37.17	114	115	113	125	137
Cattle, beef	Pound	.0892	.0863	.0927	143	138	134	149	143
Hogs	Pound	.0910	.0854	.0851	81	77	72	81	72
Lambs	Pound	.1097	.1074	.1150	96	95	93	100	99
FARM PRODUCTS—MARKET PRICE									
Wheat, No. 1, northern spring (Minneapolis)	Bushel	1.31	1.28	1.16	85	83	81	73	73
Wheat, No. 2, red, winter (St. Louis)	Bushel	1.32	1.29	1.45	87	85	83	93	94
Wheat, No. 2, hard, winter (Kansas City)	Bushel	1.22	1.19	1.12	83	82	80	74	75
Corn, No. 3, yellow (Chicago)	Bushel	.95	.88	.84	135	127	117	128	112
Oats, No. 3, white (Chicago)	Bushel	.47	.45	.44	117	115	110	102	107
Barley, No. 2, (Minneapolis)	Bushel	.59	.60	.62	94	92	94	98	97
Rye, No. 2, (Minneapolis)	Bushel	.97	.95	.98	105	105	103	102	107
Cotton, middling upland (New York)	Pound	.186	.175	.199	108	106	100	112	114
Wool, ¼ blood combing, Ohio and Pennsylvania fleeces (Boston)	Pound	.43	.43	.55	93	94	94	117	120
Cattle, steers, good to choice, corn fed (Chicago)	Cwt	13.313	12.688	14.281	145	140	133	154	150
Hogs, heavy (Chicago)	Cwt	9.650	9.269	9.019	81	78	75	81	73
Sheep, ewes (Chicago)	Cwt	4.625	4.981	5.313	71	70	76	81	81
Sheep, lambs (Chicago)	Cwt	12.094	11.969	12.688	92	88	87	95	93
FOOD									
Flour, standard patents (Minneapolis)	Barrel	6.905	6.688	6.225	85	82	79	76	74
Flour, winter straights (Kansas City)	Barrel	6.006	5.920	5.531	84	83	82	77	76
Sugar, 96° centrifugal (New York)	Pound	.040	.038	.039	92	93	87	91	89
Sugar, granulated, in barrels (New York)	Pound	.054	.050	.051	97	98	92	94	92
Cottonseed oil, prime yellow (New York)	Pound	.093	.090	.096	78	79	76	83	81
Beef, fresh, carcass, good native steers (Chicago)	Pound	.236	.240	.253	144	144	146	155	154
Beef, fresh, carcass, steers (New York)	Pound	.238	.236	.262	147	139	138	165	154
Pork smoked hams (Chicago)	Pound	.242	.218	.243	87	79	71	84	79
Butter, creamery, 92 score (New York)	Pound	.46	.43	.51	102	102	96	107	113
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	.359	.346	.375	100	100	96	104	105
Cotton-print cloth 64 x 60-38½"-5.35—yards to pound	Yard	.078	.076	.078	101	103	100	103	103
Cotton sheeting, brown 4/4 Trion (New York)	Yard	.087	.087	.090	93	94	94	96	97
Worsted yarns, 2/32's cross-bred stock, white, in skein (Boston)	Pound	1.475	1.425	1.550	103	103	99	110	108
Women's dress goods, French, 39 inches, at mills, serge	Yard	.975	.975	.975	94	94	94	94	94
Suitings, unfinished worsted—13-ounce, mill	Yard	1.901	1.901	2.008	95	95	95	100	100
Suitings, serge, 11-ounce, 56-58 inch	Yard	1.959	1.959	1.998	90	90	90	92	92
Silk, Japan, 13-15	Pound	4.925	4.679	5.047	83	80	76	83	82
Hosiery, women's pure silk, mill	Dozen pair	9.250	9.000	9.500	80	80	78	82	82
LEATHER									
Hides, green salted, packers' heavy native steers (Chicago)	Pound	.186	.164	.223	140	132	117	156	159
Hides, calfskins, No. 1, country, 8 to 15 pounds (Chicago)	Pound	.197	.179	.242	118	114	103	142	140
Leather, chrome calf, dull or bright "B" grades (Boston)	Square foot	.490	.480	.490	108	108	106	121	108
Leather, sole, oak, scoured backs, heavy (Boston)	Pound	.545	.545	.590	122	124	124	144	135
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	103	100
FUEL									
Coal, bituminous, mine-run (composite price)	Net ton	3.961	3.959	4.008	91	92	93	92	93
Coal, bituminous, prepared sizes (composite price)	Net ton	4.525	4.518	4.603	93	94	94	97	96
Coal, anthracite, chestnut (composite price)	Long ton	12.999	12.999	13.040	94	94	94	95	95
Coke, Connellsville (range of prompt and future), furnace—at ovens	Short ton	2.700	2.688	2.869	66	66	65	71	70
Petroleum, crude, Kansas-Oklahoma—at wells	Barrel	1.300	1.300	1.210	69	69	69	64	64
METALS									
Pig iron, foundry No. 2, northern (Pittsburgh)	Long ton	20.260	20.260	19.385	98	98	98	92	94
Pig iron, basic, valley furnace	Long ton	18.500	18.500	17.500	100	100	100	92	94
Steel billets, Bessemer (Pittsburgh)	Long ton	35.000	35.000	33.000	100	100	100	94	94
Copper ingots, electrolytic, early delivery (New York)	Pound	.1778	.1778	.1578	129	129	129	110	114
Brass, sheets, mill	Pound	.233	.233	.205	122	122	122	105	108
Lead, pig, desilverized, for early delivery (New York)	Pound	.0687	.0629	.0639	82	82	75	77	76
Tin, straits (New York)	Pound	.4235	.4022	.5085	69	65	62	75	78
Zinc, slab, western (St. Louis)	Pound	.0674	.0624	.0626	93	92	85	85	85
BUILDING MATERIAL AND MISCELLANEOUS									
Lumber, pine, southern, yellow flooring, mill	M feet	39.500	36.000	37.580	82	88	80	84	83
Brick, common red, domestic building (New York)	Thousand	9.500	10.000	12.000	64	58	61	76	73
Cement, Portland, net without bags to trade, f. o. b. plant (Chicago district)	Barrel	1.493	1.510	1.650	86	86	87	95	95
Steel beams, mill (Pittsburgh)	Cwt	1.900	1.900	1.900	100	97	97	95	97
Rubber, smoked sheets (New York)	Pound	.196	.166	.182	42	40	34	39	38
Sulphuric acid, 66°, (New York)	Ton	15.500	15.500	15.500	107	107	107	107	107
Wood pulp, sulphite, domestic, unbleached, news grade (New York)	Cwt	2.600	2.600	2.525	91	91	91	88	88
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 BY PRINCIPAL BRANCHES OF COMMERCE AND INDUSTRY

TEXTILES

Wool imports in November were substantially larger than a year ago, while the total for the first 11 months of 1929 showed a gain of 16 per cent over the same period of the preceding year. The consumption of wool in November was lower than in the previous month and November a year ago.

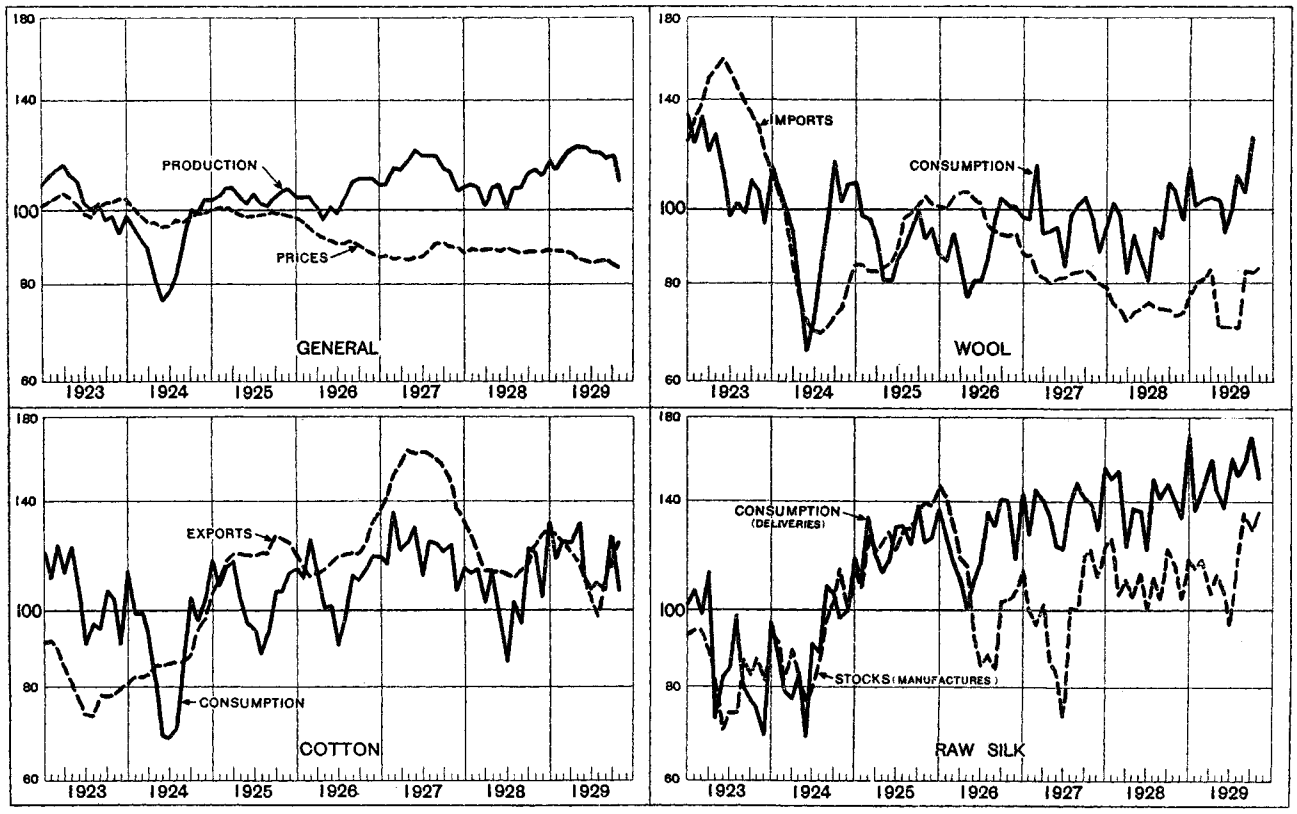
Cotton consumption by domestic mills showed declines from both the preceding month and November of last year, but for the calendar year to date, a gain of 9 per cent was registered as compared with the first 11 months of 1928. Cotton stocks held by mills and in public storage at the end of the month were 11 per cent greater than a year ago. Cotton prices averaged lower than in either prior comparative period. Exports of cotton showed declines from both the preceding month and November, 1928, the total for the first 11 months showing a decrease of 13 per cent from the same period of the previous year.

Imports of silk were smaller than in October, but showed a gain of about 11 per cent over a year ago. For the first 11 months of the year, silk imports were 10 per cent greater than in the same period of last year. Silk deliveries to consuming establishments were smaller than in October but greater than a year ago. Total silk deliveries through November showed a gain of more than 9 per cent over the same period of 1928. Silk prices averaged lower than in either the previous month or the corresponding period of last year. Rayon imports were smaller than in October, but showed a gain over November, 1928. For the first 11 months of the year rayon imports were about 39 per cent greater than in the same period of 1928.

Imports of burlaps were smaller than in the previous month but greater than a year ago. Imports of unmanufactured fibers were larger than in either prior period. Burlaps and fibers were imported in larger quantities during the first 11 months of the year than in the corresponding period of last year.

THE TEXTILE INDUSTRIES

[Relative numbers, monthly average 1923–1925, taken as 100. November, 1929, is latest month plotted. Curves covering imports of wools and exports of cotton are plotted from 12 months' moving monthly average plotted on the end month]



Fewer men's and boys' suits were cut in October than in either the preceding month or October, 1928. The production of hosiery in October was greater than in either the previous month or the same period of last year, while shipments made similar comparisons with both periods. Hosiery stocks in the hands of manufacturers at the end of October were lower than a year ago. Unfilled orders for hosiery were larger than at the end of October, 1928.

The November output of pyroxylin-coated textiles showed a decline from both the preceding month and November, 1928. Unfilled orders at the end of November were substantially lower than at the end of either the preceding month or November a year ago.

88021—30——2

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

METALS

The production of pig iron showed declines in November from both the previous month and the same period of last year, but the total output for the period through November was 14 per cent greater than in the first 11 months of 1928. Wholesale prices for iron showed practically no change from the previous month but were generally higher than a year ago.

Steel ingots were produced in smaller quantities than in either the preceding month or November, 1928, but the total output for the first 11 months of the year was 12 per cent greater than in the same period of last year. Unfilled orders for steel at the end of November were greater than at the end of either the previous month or November a year ago. The output of steel sheets of independent manufacturers showed substantial declines in November from both the preceding month and November a year ago, but the total for the year to date was larger than in the same period of 1928. Stocks of sheets at the mills at the end of November were somewhat greater than a year ago.

New orders for fabricated structural steel showed declines in November from both prior periods, but for the year to date a gain of 16 per cent was registered over the same period of last year. New orders for steel boilers, measured in square feet of heating surface, were smaller than in either the preceding month or ayear ago. For the year to date, new orders for steel boilers were 14 per cent greater than in the same period of 1928.

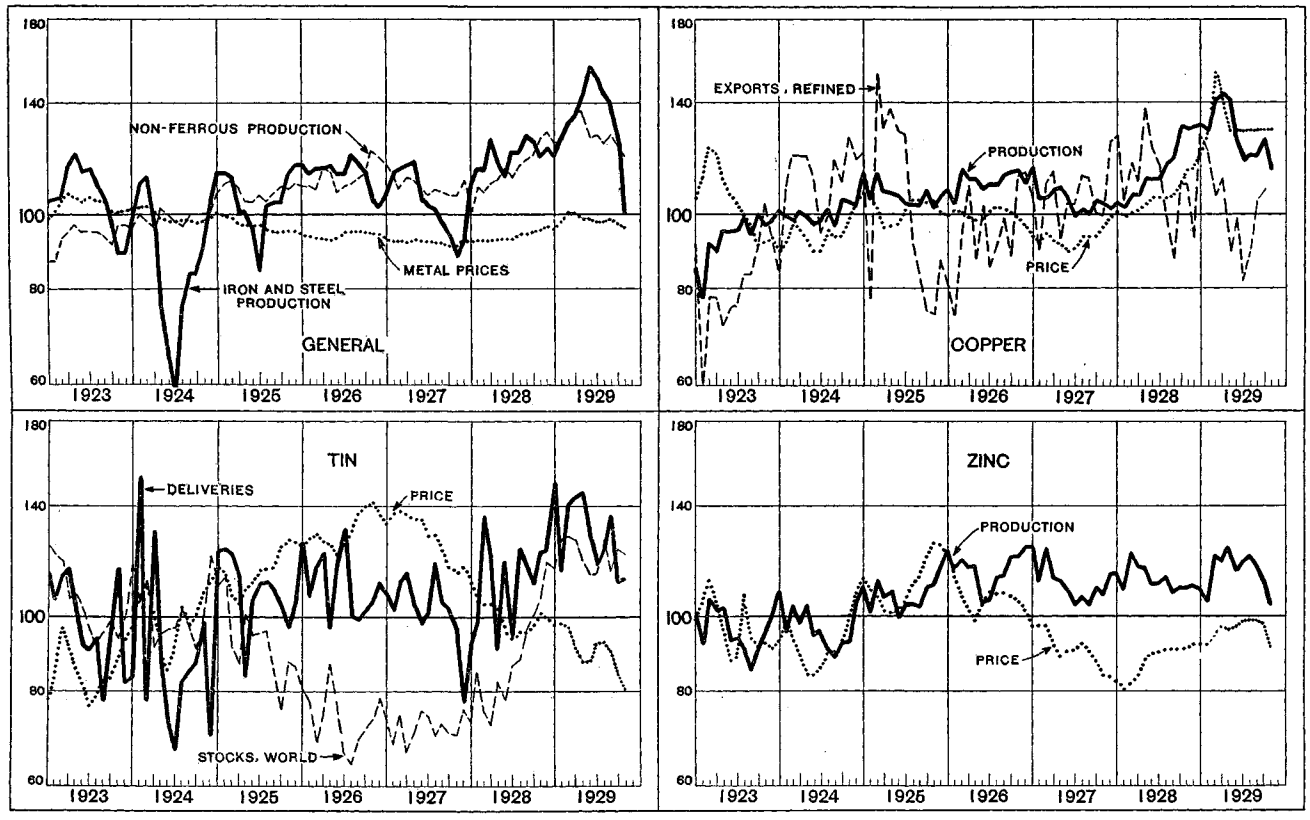
New orders for machine tools showed a decline from both the previous month and November of last year. Unfilled orders of machine tools at the end of November were lower than at the end of the preceding month but were 12 per cent larger than a year ago. New orders for electric hoists showed declines from both the previous month and November of last year, while new orders for foundry equipment and mechanical stokers also showed declines from both prior periods. New orders for woodworking machinery were smaller than for either the previous month or November of last year, but larger orders for electric overhead cranes were placed in November than for either prior period.

Deliveries of tin to consuming establishments were larger than in October but smaller than a year ago. For the year to date, tin deliveries were 16 per cent greater than in the corresponding 11 months of 1928. Wholesale prices for tin averaged lower than in either the previous month or November of last year. The output of zinc was smaller in November than in either the previous month or November a year ago. Lead production was smaller than in October but greater than in November, 1928.

Smelter production of copper was smaller than in either prior period. For the first 11 months of the year the output of copper by smelters was 14 per cent larger than in the same period of 1928. Copper prices showed no change from October but were 13 per cent higher than a year ago.

THE METAL INDUSTRIES

[Relative numbers, monthly average 1923–1925, taken as **100**. November, 1929, is latest month plotted]



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

FUELS

The production of bituminous coal was smaller in November than in either the previous month or November of last year. Anthracite production also showed declines from both periods. For the year to date, bituminous output was 5 per cent greater than in the same period of 1928, while the production of anthracite showed a fractional decline. The output of coke, both types, was lower than in October but greater than a year ago.

HIDES AND LEATHER

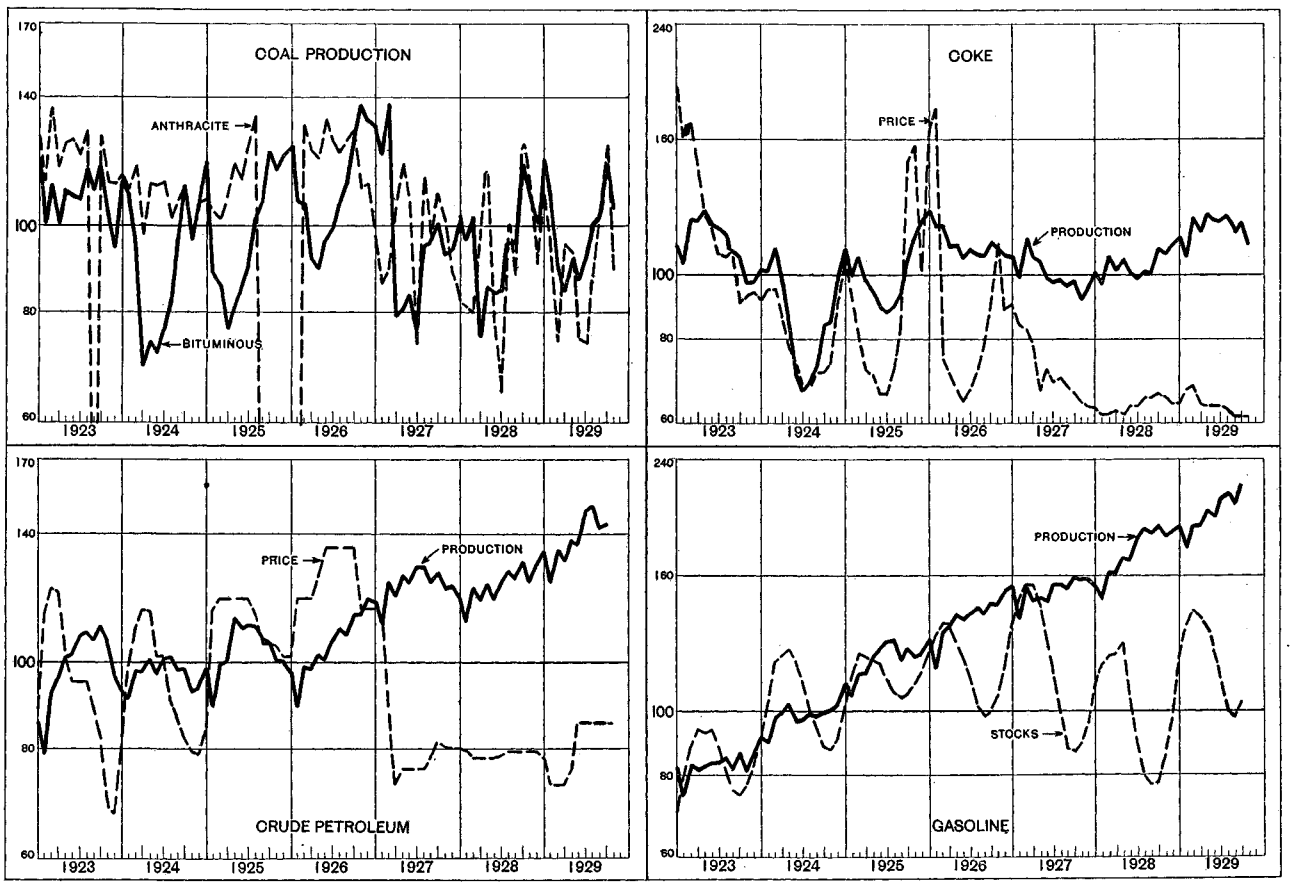
Fewer cattle were slaughtered under Federal inspection in November than in either the preceding month or November a year ago, while for the year to date a decline of 2 per cent was shown as compared with the same period of last year. For the first 11 months of the year, 5 per cent more sheep were slaughtered than in the same period of 1928. Imports of hides and skins in November were larger than in either the previous month or November a year ago, but the total for the period through November showed a fractional decline from 1928. For the first 11 months of the year, larger imports of calf skins, goat and sheep skins were registered, but these gains were insufficient to offset the decline of about 9 per cent in the poundage of cattle-hide imports.

The production of sole and belting leather in October was greater than in September, but showed a decline from the preceding year. For the first 10 months of the year sole and belting leather showed a decline in production amounting to more than 4 per cent.

The output of shoes in November was substantially lower than in October but was greater than a year ago. For the year to date shoe production showed a gain of more than 5 per cent over the corresponding 11 months of 1928.

THE FUEL INDUSTRIES

[Relative numbers, monthly average 1923-1925 taken as 100. November, 1929, is latest month plotted where data were available]



AUTOMOBILES AND RUBBER

Automobile production showed substantial declines in November as compared with both the preceding month and the corresponding period of last year. For the year to date, however, the output of automobiles was 27 per cent larger than in the corresponding eleven months of 1928. Exports of automobiles also declined in November from both prior periods, but for the year to date showed a gain over 1928.

Imports of rubber were greater in November than in either the preceding month or November, 1928, with the total for the year to date showing an increase of 32 per cent over the same period of 1928. The production of tires showed declines from both the previous month and November a year ago, while for the year to date, the tire output was off more than 3 per cent from the same period of last year.

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

BUILDING AND CONSTRUCTION

Building costs for frame and brick wood-frame construction showed only slight change from the previous month, but were generally higher than a year ago.

The volume of new building contracts awarded in November, measured in floor space, showed a decline of 21 per cent from the previous month and 30 per cent from a year ago. For the period through November, new building contracts showed a decline of 17 per cent in floor space from the same 11 months of 1928. Measured in value, new contracts awarded in November showed a decline of 11 per cent from the previous month and 16 per cent from the previous year, while for the 11 months a decline of 12 per cent was recorded from the same period of last year. For the 11 months ended November, however, the value of new commercial buildings contracted for, showed a gain of about 10 per cent over the same period of last year, while an increase of 18 per cent was registered in the value of new contracts for industrial buildings. Residential buildings showed a decline of 31 per cent from the total for the 11 months of 1928.

LUMBER AND LUMBER PRODUCTS

The production of southern pine lumber showed declines from both the preceding month and November of last year. Prices for southern pine were lower than in either the preceding month or November of last year, while prices for Douglas fir, showing a decline from October, averaged somewhat higher than in November a year ago.

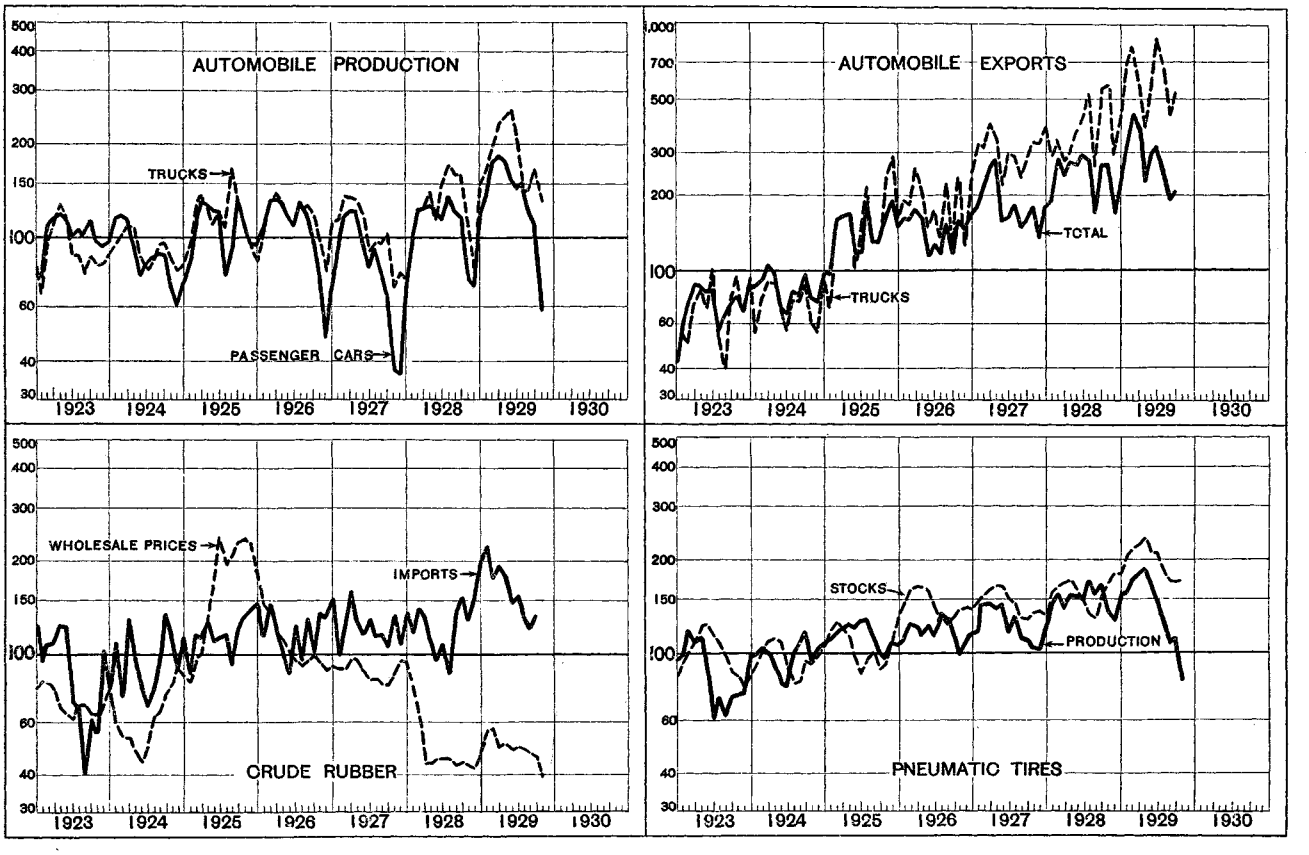
STONE, CLAY, AND GLASS PRODUCTS

The production of Portland cement showed a sizeable decline from both the preceding month and November, 1928. For the year as a whole Portland cement production showed a decline of 3 per cent from the corresponding 11 months of 1928. Shipments of Portland cement for the same period showed a decline of 15 per cent. Cement prices averaged higher than in the preceding month but were lower than a year ago. The output of polished plate glass was lower than in October but showed a gain over last year.

New orders for porcelain plumbing fixtures placed in November were smaller than in either the preceding month or November of last year. For the year to date, new orders showed a decline of 51 per cent from the corresponding period of 1928. Shipments of porcelain plumbing fixtures were greater than in October but substantially lower than a year ago. For the year to date, shipments were considerably smaller than in 1928.

THE AUTOMOBILE AND RUBBER INDUSTRIES

[Relative numbers, monthly average 1923–1925 taken as 100. Where available, November, 1929, is latest month plotted]



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

FOODSTUFFS

The visible supply of wheat in the United States and Canada at the end of November was substantially greater than a year ago. Wheat receipts and shipments at principal markets were smaller than a year ago. Wheat exports from the United States, including flour, showed a gain over a year ago. Prices were generally lower than in October but were higher than a year ago.

The visible supply of corn was considerably smaller than a year ago. Receipts and shipments of corn at the principal markets were smaller than last year. Prices were lower than in October but higher than a year ago.

The visible supply of barley and rye was greater than a year ago, while the supply of oats was likewise larger than last year. The receipts of barley, oats, and rye at the principal markets were smaller than in November of 1928.

The receipts of cattle at primary markets were smaller than a year ago. The output of beef products under Federal inspection was smaller than last year. Cold-storage holdings of beef at the end of November was 17 per cent greater than a year ago. Prices for beef were generally lower than in either the previous month or November of last year.

Receipts of hogs at primary markets were smaller than in November, 1928. The output of pork products under Federal inspection was lower than a year ago. Cold-storage holdings of pork were greater than a year ago while prices were generally lower than in either the preceding month or November of last year.

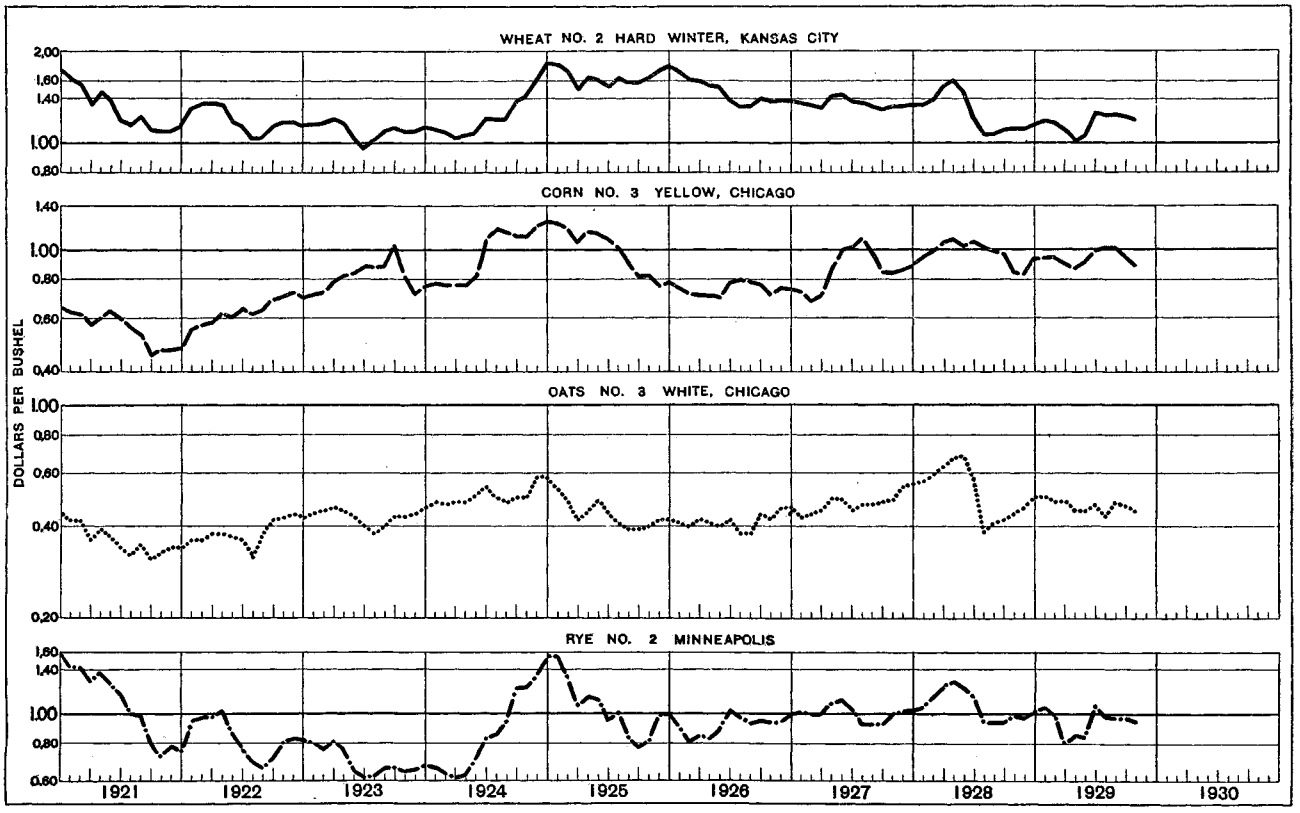
Receipts of poultry at the principal markets were larger than a year ago, while storage holdings showed a substantial gain over last year. The fish catch was considerably greater than in November a year ago, while storage holdings showed only a slight increase.

The output of creamery butter was larger than a year ago. Storage holdings of butter were considerably greater than last year. Butter prices were lower than in either the previous month or a year ago. Cheese production was smaller than in November a year ago. Storage holdings of cheese were lower than last year. Prices for cheese were unchanged from the previous month but were lower than a year ago. Receipts of eggs at the principal markets were smaller than in November, 1928. Storage holdings of case eggs at the end of November were considerably lower than a year ago.

Sugar imports were smaller than in either the previous month or November a year ago. Sugar prices were generally lower than in either period. Meltings of sugar at the refineries were lower than in either the previous month or November, 1928. Imports of coffee were lower than in either period, while tea imports showed similar comparisons. Prices for coffee averaged lower than in either period, while prices for tea were unchanged.

MOVEMENT OF GRAIN PRICES

[Weighted price per bushel. November, 1929, is latest month plotted]



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

TRANSPORTATION

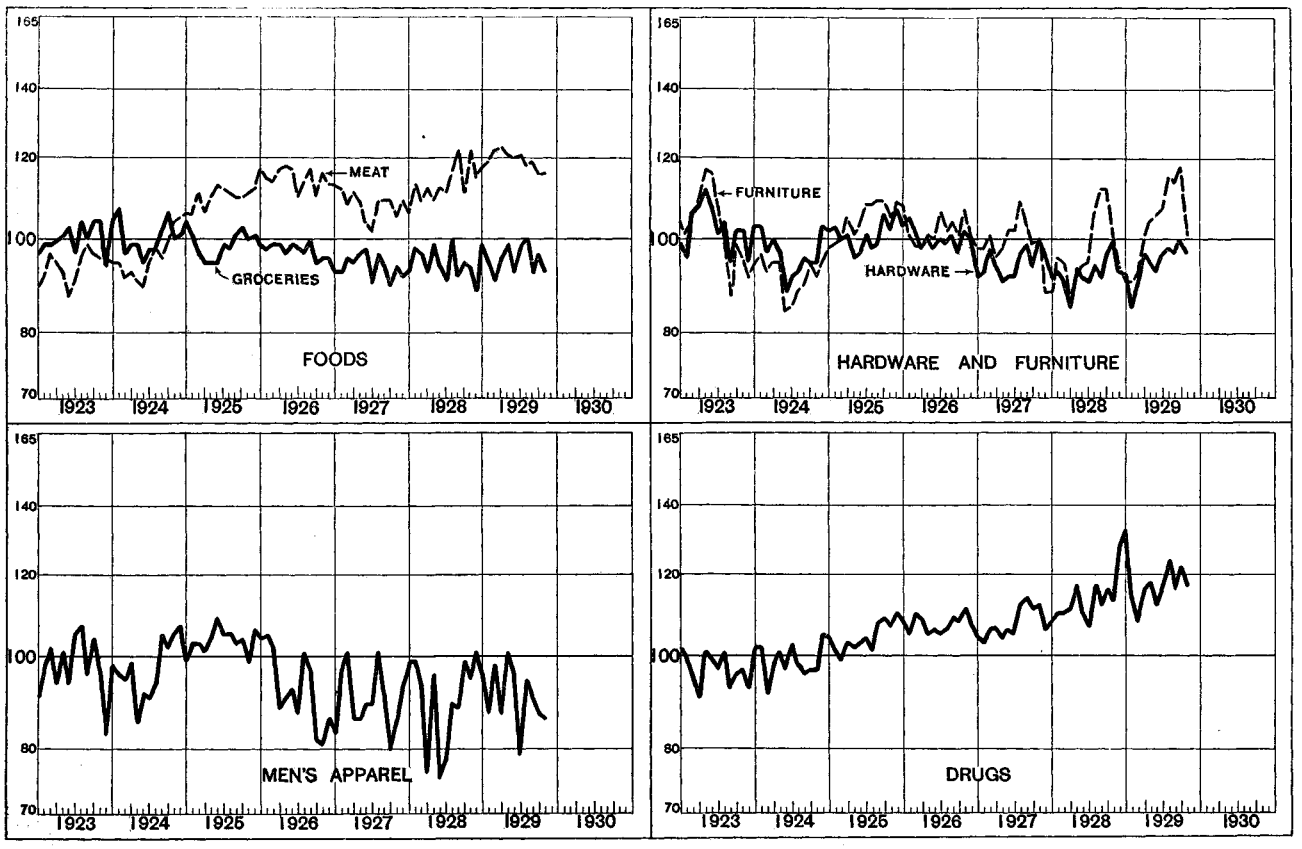
Freight-car loadings were seasonally larger than in October but were five per cent smaller than in November, 1928. For the first 11 months of the year, loadings were 3 per cent greater than in the same period of 1928. Clearances of vessels engaged in foreign trade showed smaller tonnages than in either the previous month or November of last year, but for the year to date a gain of 4 per cent was recorded over the same period of 1928. Unfilled orders for railroad locomotives were lower at the end of November than at the end of the preceding month, but were considerably larger than a year ago.

GOLD, SILVER, AND FOREIGN EXCHANGE

Receipts of domestic gold at the mint were smaller than in the preceding month but greater than a year ago. The Rand output showed declines from both periods. Gold imports were also smaller than in either prior period, while exports of gold showed very considerable gains over both the preceding month and November of last year. For the year to date, however, there was a large import balance of gold in contrast with a large export balance for the preceding year.

WHOLESALE TRADE

[Relative numbers, monthly average 1923-1925 taken as 100. November, 1929, is latest month plotted. Curves are adjusted for seasonal variation]



DISTRIBUTION MOVEMENT

Sales by mail-order houses were seasonally smaller than in October but showed a small gain over a year ago. Ten-cent store business likewise declined seasonally from the previous month but was larger than a year ago.

BANKING AND FINANCE

Check payments for in and out of New York City were greater than in November, 1928. Loans and discounts of Federal reserve member banks were lower than in October but were larger than last year. Brokers' loans showed a considerable decline during the month, being lower also than a year ago. Interest rates were generally lower than in either the preceding month or November of the previous year.

The production of silver in the United States was greater than in either the previous month or November, 1928.

Trends in foreign exchange rates were rather divergent in November, increases over the preceding month being recorded in the British pound, Dutch guilder, Swedish krone, Swiss franc, Japanese yen, and the Indian rupee, with declines recorded in the Canadian dollar, the Argentine peso, and the Brazilian milreis. No change was registered in the currencies of France, Italy, Belgium, and Chile. Contrasted with a year ago, gains were registered in all currencies except India, Canada, Argentina, and Brazil, where declines were shown, and France, Italy, and Chile, which showed no change.

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	1928			1929			Per cent increase (+) or decrease (−)	
			September	October	November	September	October	November	November, 1929, from October, 1929	November, 1929, from November, 1928
PRODUCTION										
TOTAL INDUSTRIAL										
Unadjusted, except for working days	**125**	**81**	**115**	**117**	**113**	**123**	**119**	**109**	**−8.4**	**−3.5**
Adjusted for seasonal variations	**123**	**83**	**114**	**114**	**112**	**121**	**117**	**107**	**−8.6**	**−4.5**
MANUFACTURING										
Total (adjusted for working days only)	**127**	**79**	**115**	**116**	**113**	**123**	**118**	**108**	**−8.5**	**−4.4**
Total (adjusted for seasonal variations)	**128**	**82**	**115**	**114**	**112**	**122**	**117**	**106**	**−9.4**	**−5.4**
Iron and steel	155	59	128	126	120	139	124	100	−19.4	−16.7
Textiles	121	77	107	112	113	116	118	109	−7.6	−3.5
Food products	110	90	95	98	102	98	96	95	−1.0	−6.9
Paper and printing	128	91	118	116	115	128	124	------	------	------
Lumber	110	78	82	81	85	------	------	------	------	------
Automobiles	166	47	139	122	94	136	116	83	−28.4	−11.7
Leather and shoes	134	86	110	103	97	115	113	106	−6.2	+9.3
Cement, brick, and glass	143	92	130	122	122	143	141	130	−7.8	+6.6
Nonferrous metals	137	87	117	121	126	126	121	119	−1.7	−5.6
Petroleum refining	178	84	162	160	159	174	178	------	------	------
Rubber tires	169	66	169	167	155	117	113	93	−17.7	−40.0
Tobacco manufactures	143	93	128	126	124	143	135	130	−3.7	+4.8
MINERALS										
Total (adjusted for working days only)	**128**	**84**	**115**	**122**	**117**	**127**	**127**	**114**	**−10.2**	**−2.6**
Total (adjusted for seasonal variations)	**120**	**90**	**107**	**114**	**113**	**118**	**118**	**110**	**−15.2**	**−2.7**
Bituminous coal	125	77	94	99	99	101	101	96	−5.0	−3.0
Anthracite coal	133	1	95	119	113	106	116	92	−20.7	−18.6
Crude petroleum	147	88	124	127	127	141	141	132	−6.4	+3.9
Iron-ore shipments	143	0	110	114	106	121	107	98	−8.4	−7.5
Copper	139	82	123	128	131	121	123	117	−4.9	−10.7
Zinc	127	93	114	110	111	124	112	105	−6.2	−5.4
Lead	125	75	115	108	111	119	115	------	------	------
Silver	123	85	79	79	93	89	94	110	+17.0	+18.3
ANIMAL PRODUCTS (Marketings)										
Total	**124**	**79**	**92**	**102**	**93**	**99**	**103**	**95**	**−7.8**	**+2.2**
Wool	421	14	54	35	70	128	52	63	+1.2	−10.0
Livestock	131	76	92	95	98	96	113	96	−15.0	−2.0
Poultry and eggs	148	67	76	86	110	83	86	128	+48.8	+16.4
Dairy products	160	64	95	89	77	94	91	81	−11.0	+5.2
Fish	283	44	137	153	131	283	187	154	−17.6	+17.6
CROPS (Marketings)										
Total	**252**	**45**	**178**	**252**	**180**	**177**	**246**	**155**	**−37.0**	**−13.9**
Grains *	218	38	165	174	122	117	103	69	−33.0	−43.4
Vegetables *	199	60	133	151	94	145	171	91	−46.8	−3.2
Fruits *	266	43	206	266	119	173	245	93	−62.0	−21.8
Cotton products *	373	11	184	353	258	218	373	234	−37.3	−9.3
Miscellaneous crops *	344	18	210	213	209	286	344	296	−14.0	+41.6

* 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	1928			1929			Per cent increase (+) or decrease (−)	
			September	October	November	September	October	November	November, 1929, from October, 1929	November, 1929, from November, 1928
PRODUCTION—Continued										
FOREST PRODUCTS										
Total	**112**	**74**	**77**	**87**	**84**	**80**	**89**	**82**	**−7.9**	**−2.4**
Lumber	112	71	77	84	79	79	86	76	−11.6	−3.8
Pulpwood	151	54	68	108	116	74	110	123	+11.8	+6.0
Gum (rosin and turpentine) *	204	18	129	128	119	157	130	142	+9.2	+19.3
Distilled wood	148	65	70	93	104	90	107	102	−4.7	−1.9
NEW ORDERS										
Total	**138**	**73**	**95**	**95**	**102**	**90**	**98**	------	------	------
Textiles	179	70	99	116	113	102	111	------	------	------
Iron and steel	143	71	125	116	114	111	120	------	------	------
Lumber	141	67	92	87	99	81	73	------	------	------
Paper and printing	118	85	109	113	114	116	123	------	------	------
Stone and clay products	129	75	93	119	101	89	95	------	------	------
STOCKS										
Grand total	**156**	**82**	**116**	**133**	**137**	**139**	**155**	**156**	**+0.6**	**+13.9**
Total manufactured goods	**125**	**88**	**111**	**111**	**114**	**113**	**113**	**115**	**+1.8**	**+0.9**
Foodstuffs	136	79	105	93	87	127	110	103	−6.4	+18.4
Textiles	138	78	118	113	118	115	121	123	+1.7	+4.2
Iron and steel	157	78	130	135	143	135	134	136	+1.5	−4.9
Nonferrous metals	147	74	125	123	125	135	140	147	+10.5	+17.6
Lumber	125	78	104	103	107	104	108	112	+3.7	+4.7
Stone, clay, etc	192	64	130	116	136	116	118	141	+19.5	+3.7
Leather	123	66	73	74	75	69	70	71	+1.4	−5.3
Rubber	199	77	130	149	156	144	145	152	+4.8	−2.6
Paper	156	46	137	139	133	101	102	90	−11.8	−32.3
Chemicals and oils	125	84	97	103	107	107	114	116	+1.8	+8.4
Total raw materials	**186**	**69**	**119**	**149**	**154**	**157**	**185**	**186**	**+0.5**	**+20.8**
Foodstuffs	230	68	145	157	155	222	230	219	−4.8	+41.3
Textiles	202	43	95	149	170	111	173	195	+12.7	+14.7
Metals	136	54	116	133	126	111	119	122	+2.5	−3.2
Chemicals and oils	153	73	108	139	136	115	134	130	+3.0	−4.4
UNFILLED ORDERS										
Total	**167**	**67**	**75**	**72**	**74**	**77**	**77**	**76**	**−1.3**	**+2.7**
Textiles	154	52	69	73	72	64	59	55	−6.8	−23.6
Iron and steel	157	66	75	75	76	79	80	81	+1.3	+6.6
Transportation equipment	204	49	60	62	49	86	121	113	−6.6	+130.6
Lumber	142	56	84	69	84	84	66	68	+3.0	−19.0
WHOLESALE TRADE										
Grand total, all classes	**124**	**82**	**111**	**112**	**99**	**114**	**115**	**96**	**−16.5**	**−3.0**
Groceries	119	83	100	108	100	101	110	99	−10.0	−1.0
Meats	130	87	130	125	117	127	129	112	−13.2	−4.3
Dry goods	128	70	105	99	90	110	102	83	−18.6	−7.8
Men's clothing	167	43	137	123	66	139	110	60	−45.5	−9.1
Boots and shoes	130	68	110	108	105	129	114	91	−20.2	−13.3
Hardware	118	76	100	108	98	105	112	95	−15.2	−3.1
Drugs	141	88	119	134	114	124	140	118	−15.7	+3.5
Furniture	140	72	126	133	106	129	140	106	−24.3	0.0
RETAIL TRADE										
Mail order houses (2 houses)	**242**	**68**	**155**	**194**	**188**	**193**	**242**	**225**	**−7.0**	**+19.7**
CHAIN STORES:										
Ten-cent	305	62	144	164	158	147	176	174	−1.1	+10.1
Grocery	257	77	202	230	219	216	257	241	−6.2	+10.0
Drug	224	82	164	169	169	200	209	215	+2.9	+27.2
DEPARTMENT STORES:										
Sales	187	71	107	124	122	109	128	123	−3.9	+0.8
Stocks	117	83	103	112	115	103	112	115	+2.7	0.0

* 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	1928			1929			Per cent increase (+) or decrease (−)	
			September	October	November	September	October	November	November, 1929, from October, 1929	November, 1929, from November, 1928
EMPLOYMENT *										
(Relative to 1923–25 monthly average as 100)										
Number employed, by industries:										
Total, all classes	**106**	**91**	**100**	**100**	**99**	**103**	**102**	**98**	**−3.9**	**−1.0**
Iron and steel	108	88	96	97	98	101	99	97	−2.0	−1.0
Machinery	122	88	101	103	104	120	119	115	−3.4	+10.6
Textiles	111	84	93	96	96	98	100	97	−3.0	+1.0
Food products	109	93	101	103	102	102	104	102	−1.9	0.0
Paper and printing	106	96	101	102	104	106	106	107	+0.9	+2.9
Lumber and products	104	85	90	91	91	92	90	88	−2.2	−3.3
Transportation equipment—										
Group	110	81	95	94	90	95	90	83	−7.8	−7.8
Automobiles	131	79	122	120	109	113	101	84	−16.8	−22.9
Leather and products	112	88	96	95	89	100	99	94	−5.1	+5.6
Cement, clay and glass	107	84	96	94	92	94	92	89	−3.3	−3.3
Nonferrous metals	113	85	98	100	102	99	99	94	−5.1	−7.8
Chemicals—										
Group	119	90	107	107	107	115	116	114	−1.7	+6.5
Petroleum refining	125	95	106	104	104	124	125	124	−0.8	+19.2
Rubber products	117	84	113	113	110	108	103	91	−11.7	−17.3
Tobacco products	109	84	97	99	99	94	95	96	+1.1	−3.0
Amount of pay roll by industries:										
Total all classes	112	85	104	108	104	111	110	102	−7.3	−1.9
Iron and steel	114	77	99	105	105	109	108	100	−7.4	−4.8
Machinery	132	83	106	111	110	128	129	122	−5.4	+10.9
Textiles	111	77	95	101	97	103	106	96	−9.4	−1.0
Food products	109	94	104	106	105	108	109	106	−2.8	+1.0
Paper and printing	118	92	109	112	112	116	118	117	−0.8	+4.5
Lumber and products	107	83	93	96	94	97	97	89	−9.2	−5.3
Transportation equipment—										
Group	117	80	100	105	96	103	100	89	−11.0	−7.3
Automobiles	152	66	129	134	115	120	108	84	−22.2	−27.0
Leather and products	116	80	100	96	80	104	100	84	−16.0	+5.0
Cement, clay and glass	108	79	93	94	91	91	91	86	−5.5	−5.5
Nonferrous metals	128	81	109	117	119	112	113	100	−11.5	−16.0
Chemicals—										
Group	118	90	106	109	108	116	118	116	−1.7	+7.4
Petroleum refining	129	90	109	108	107	129	129	126	−2.3	+17.8
Rubber products	150	82	124	120	112	105	101	86	−14.9	−23.2
Tobacco products	111	76	93	95	94	93	94	94	0.0	0.0
WHOLESALE PRICES										
Department of Labor Indexes										
(Relative to 1926 monthly average as 100)										
All commodities	**105**	**94**	**100**	**98**	**97**	**98**	**96**	**94**	**−2.1**	**−3.1**
Farm products	114	94	109	104	102	107	104	101	−2.9	−1.0
Food, etc	107	85	107	102	100	103	101	99	−2.0	−1.0
Hides and leather products	127	98	121	118	116	111	111	108	−2.7	−6.9
Textile products	114	93	96	96	96	93	93	92	−1.1	−4.2
Fuel and lighting	112	81	85	85	84	81	82	82	0.0	−2.4
Metals and metal products	113	97	101	101	102	104	104	102	−1.9	0.0
Building materials	116	90	95	95	96	98	98	96	−2.0	0.0
Chemicals	104	93	95	96	96	94	94	94	0.0	−2.1
House-furnishing goods	111	97	97	97	96	97	97	97	0.0	+1.0
Miscellaneous	127	79	80	80	80	82	81	80	−1.2	0.0
Classified by state of manufacture:										
Semimanufactured articles	128	94	97	97	97	98	98	96	−2.0	−1.0
Finished products	103	93	101	99	97	97	96	94	−2.1	−3.1
Raw materials	109	93	101	97	96	99	97	95	−2.1	−1.0
Nonagricultural commodities	106	93	98	96	95	95	94	93	−1.1	−2.1
Commercial Indexes										
(Relative to 1926 monthly average as 100)										
Dun's	106	85	103	102	103	102	101	100	−1.0	−2.9
Bradstreet's	112	95	102	101	102	98	96	95	−1.0	−6.9

* See tables on pp. 19 and 21 of the December, 1929, issue for earlier data.

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	1928			1929			Per cent increase (+) or decrease (−)	
			September	October	November	September	October	November	November, 1929, from October, 1929	November, 1929, from November, 1928
PRICE INDEX NUMBERS										
FARM PRICES										
(Relative to 1909–1914 average as 100)										
All groups	**152**	**125**	**141**	**137**	**134**	**141**	**140**	**136**	**−2.9**	**+1.5**
Grains	178	108	117	116	110	131	128	118	−7.8	+7.3
Fruits and vegetables	253	108	127	114	109	160	168	159	−5.4	+45.9
Meat animals	167	98	174	160	150	156	151	144	−4.6	−4.0
Dairy and poultry	166	122	145	150	155	146	151	157	+4.0	+1.3
Cotton and cottonseed	252	81	142	147	146	146	141	142	+0.7	−2.7
Unclassified	108	79	85	83	86	85	89	90	+1.1	+4.7
COST OF LIVING										
National Industrial Conference Board Indexes										
(Relative to July, 1914)										
All items weighted	**172**	**158**	**163**	**163**	**163**	**163**	**163**	**163**	**0.0**	**0.0**
Food (Department of Labor)	167	141	158	157	157	161	161	160	−0.6	+1.9
Shelter	186	159	161	161	160	160	160	159	−0.6	−0.6
Clothing	177	160	174	173	172	168	168	168	0.0	−2.3
Fuel and light (combined)	179	156	160	161	162	159	161	162	+0.6	0.0
Fuel	208	174	180	182	183	180	182	183	+0.5	0.0
Light	123	118	121	121	121	120	120	120	0.0	−0.8
Sundries	176	168	171	171	171	169	170	170	0.0	−0.6

NATIONAL ADVERTISING: MAGAZINE AND RADIO

ADVERTISING EXPENDITURE FOR 1929 IN GENERAL MAGAZINES [1]

[Dollars]

PRODUCT DIVISIONS	January	February	March	April	May	June	July	August	September	October	November	December	Yearly totals, each class
Automotive industry	1,361,366	2,150,392	2,093,995	2,671,963	2,671,307	2,503,555	2,591,181	1,919,483	2,192,070	2,114,291	1,959,336	2,114,218	26,343,157
Building materials	496,586	821,497	967,361	1,309,852	1,105,536	924,281	728,984	628,852	930,090	1,057,274	928,008	579,686	10,478,008
Cigars, cigarettes, and tobacco	452,881	413,346	460,447	566,872	419,798	423,663	498,859	404,175	469,891	456,505	495,282	520,223	5,581,942
Clothing and dry goods	366,340	485,893	733,399	835,382	713,780	702,956	505,380	311,103	722,879	939,778	848,988	567,386	7,733,264
Confectionery and soft drinks	222,917	274,985	337,143	355,023	412,869	424,295	441,176	366,901	385,557	323,408	319,881	278,396	4,142,551
Drugs and toilet goods	1,832,406	2,876,935	3,131,640	3,574,458	3,088,932	2,917,843	2,721,962	2,431,168	2,720,570	3,351,141	3,445,888	2,961,921	35,054,864
Financial and insurance	273,654	304,046	296,364	360,418	347,190	358,755	343,162	263,489	290,301	363,492	335,911	359,230	3,896,012
Foods and food beverages	1,726,101	2,530,349	2,451,154	2,485,267	2,246,509	2,161,818	1,799,222	1,645,905	2,063,478	2,848,723	2,827,024	2,401,310	27,186,860
Garden	139,634	245,061	326,944	262,892	184,998	130,476	94,748	81,656	91,865	60,990	52,696	57,441	1,729,401
House furniture and furnishings	1,042,005	1,341,984	1,771,873	2,185,443	1,984,698	1,662,559	1,160,046	763,184	1,570,394	2,162,829	2,118,167	1,790,842	19,554,024
Jewelry and silverware	355,185	176,742	256,924	398,240	512,208	658,659	340,507	135,985	276,726	649,208	674,761	872,099	5,307,244
Lubricants and petroleum products	214,117	243,805	226,965	415,745	319,019	386,413	358,435	321,602	340,431	274,534	258,452	326,434	3,685,952
Machinery and mechanical supplies	164,120	220,499	278,975	313,496	238,329	250,459	205,323	183,719	203,636	226,580	276,765	191,390	2,753,291
Office equipment	290,059	251,167	284,739	339,120	330,101	314,270	295,449	203,655	196,519	339,996	291,924	364,133	3,501,132
Paints and hardware	92,625	103,974	244,173	394,445	549,299	366,391	192,941	83,482	169,523	296,668	296,507	124,227	2,914,255
Radios, phonographs, and musical instruments	508,153	372,503	373,570	328,758	215,349	235,594	295,421	309,568	456,870	739,771	865,577	916,039	5,617,173
Schools, camps, and correspondence courses	346,717	409,850	355,421	270,544	230,112	208,245	215,287	231,987	273,373	320,160	334,805	264,662	3,461,163
Shoes, shoe furnishings, trunks, and bags	197,921	166,485	276,476	372,404	367,221	387,333	198,428	108,887	282,627	394,448	400,315	392,055	3,544,600
Soaps and housekeepers' supplies	521,945	642,936	799,589	1,050,024	998,418	804,263	724,741	608,025	993,310	818,725	751,425	498,813	9,212,214
Sporting goods	253,523	162,774	217,833	407,381	500,666	577,945	647,011	285,918	297,659	363,700	260,386	306,811	4,281,607
Stationery and books	503,821	504,914	502,725	438,575	360,062	422,445	313,518	255,933	436,186	726,524	772,901	884,188	6,121,792
Travel and amusement	674,739	568,042	665,790	782,375	791,853	644,223	484,916	301,792	322,117	460,432	645,890	798,843	7,141,012
Miscellaneous	182,885	437,965	384,553	326,044	722,017	289,821	280,171	229,334	376,489	460,526	421,287	423,468	4,534,560
Total	12,219,700	15,706,144	17,438,053	20,444,721	19,310,271	17,756,262	15,436,868	12,075,803	16,062,561	19,749,703	19,582,176	17,993,815	203,776,077

See footnote on p. 19.

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

NATIONAL ADVERTISING: MAGAZINES AND RADIO—Continued

PERCENTAGES FOR EACH CLASS OF ADVERTISING EXPENDITURE FOR 1929 IN GENERAL MAGAZINES [1]

[Per cent]

PRODUCT DIVISIONS	January	February	March	April	May	June	July	August	September	October	November	December	Yearly totals, each class
Automotive industry	5.2	8.2	7.9	10.1	10.1	9.5	9.9	7.3	8.3	8.0	7.5	8.0	26,343,157
Building materials	4.8	7.9	9.2	12.5	10.5	8.8	6.9	6.0	8.9	10.1	8.9	5.5	10,478,007
Cigars, cigarettes, and tobacco	8.1	7.4	8.3	10.1	7.5	7.6	8.9	7.3	8.4	8.2	8.9	9.3	5,581,942
Clothing and dry goods	4.7	6.3	9.5	10.8	9.2	9.1	6.5	4.1	9.4	12.1	10.9	7.4	7,733,264
Confectionery and soft drinks	5.4	6.7	8.1	8.6	9.9	10.2	10.7	8.9	9.3	7.8	7.7	6.7	4,142,551
Drugs and toilet goods	5.5	8.2	8.9	10.2	8.8	8.3	7.7	6.9	7.8	9.5	9.8	8.4	35,054,864
Financial and insurance	7.0	7.8	7.6	9.2	8.9	9.2	8.8	6.8	7.5	9.3	8.7	9.2	3,896,012
Foods and food beverages	6.4	9.3	9.0	9.1	8.3	7.9	6.6	6.1	7.6	10.5	10.4	8.8	27,186,860
Garden	8.1	14.1	18.9	15.2	10.7	7.5	5.5	4.8	5.3	3.5	3.1	3.3	1,729,401
House furniture and furnishings	5.3	6.9	9.1	11.2	10.1	8.5	5.9	3.9	8.1	11.1	10.8	9.1	19,554,024
Jewelry and silverware	6.7	3.3	4.8	7.7	9.6	12.4	6.4	2.6	5.2	12.2	12.7	16.4	5,307,244
Lubricants and petroleum products	5.8	6.6	6.2	10.1	8.7	10.5	9.7	8.7	9.3	7.5	7.1	9.8	3,685,952
Machinery and mechanical supplies	5.9	8.1	10.1	11.4	8.7	9.0	7.5	6.7	7.4	8.2	10.1	6.9	2,753,291
Office equipment	8.3	7.2	8.1	9.8	9.4	8.9	8.5	5.8	5.6	9.7	8.3	10.4	3,501,132
Paints and hardware	3.0	3.6	8.4	13.6	18.9	12.6	6.6	2.9	5.8	10.2	10.1	4.3	2,914,255
Radios, phonographs, and musical instruments	9.1	6.6	6.6	5.9	3.9	4.2	5.3	5.4	8.1	13.2	15.4	16.3	5,617,173
Schools, camps, and correspondence courses	10.0	11.8	10.6	7.8	6.6	6.0	6.2	6.7	7.9	9.2	9.6	7.6	3,461,163
Shoes, shoe furnishings, trunks, and bags	5.6	4.7	7.8	10.5	10.3	10.9	5.6	3.1	7.9	11.2	11.3	11.1	3,544,600
Soaps and housekeepers' supplies	5.7	6.9	8.7	11.4	10.8	8.7	7.9	6.7	10.8	8.9	8.1	5.4	9,212,214
Sporting goods	5.9	3.8	5.1	9.7	11.7	13.5	15.1	6.6	6.9	8.5	6.1	7.1	4,281,607
Stationery and books	8.2	8.3	8.2	7.2	5.9	6.9	5.1	4.2	7.1	11.9	12.6	14.4	6,121,792
Travel and amusement	9.5	7.9	9.3	10.9	11.1	9.2	6.8	4.2	4.5	6.4	9.0	11.2	7,141,012
Miscellaneous	4.1	9.6	8.5	7.2	15.9	6.4	6.2	5.1	8.3	10.1	9.3	9.3	4,534,560

ADVERTISING EXPENDITURE IN NATIONAL FARM MAGAZINES FOR 1929 [1]

[Dollars]

Automotive industry	105,351	181,950	246,664	266,888	244,757	227,068	166,030	225,273	207,826	210,338	161,901	126,302	2,370,348
Building materials	47,953	93,873	93,877	76,774	49,610	25,533	20,147	41,977	72,550	72,897	58,368	28,883	693,442
Cigars, cigarettes, and tobacco	33,647	38,847	38,835	23,445	35,138	32,597	27,185	8,310	8,625	12,092	12,310	24,810	295,841
Clothing and dry goods	6,364	15,442	13,879	15,874	25,625	11,280	3,663	5,084	21,103	30,798	38,883	14,227	202,222
Confectionery and soft drinks	5,800	16,295	11,020	16,280	13,245	13,620	7,007	10,230	1,948	5,800	4,335	5,800	111,380
Drugs and toilet goods	52,729	77,162	84,618	73,513	53,219	54,272	39,037	39,080	52,965	54,408	65,921	60,713	707,637
Financial and insurance	1,655	5,172	6,048	1,383	3,817	2,700	0	0	0	2,700	2,894	1,481	27,850
Foods and food beverages	57,665	72,460	96,430	104,095	80,285	74,099	55,788	49,540	65,206	76,212	86,130	48,364	866,274
Garden	99,545	79,519	59,987	28,699	13,493	6,155	5,436	3,079	6,585	12,126	5,505	24,577	344,706
House furniture and furnishings	56,618	86,034	74,534	107,360	115,807	70,586	55,447	50,777	89,205	103,003	71,399	33,499	914,269
Jewelry and silverware	4,067	5,178	4,142	4,235	4,411	11,540	2,304	2,960	7,159	14,456	13,955	27,167	101,574
Lubricants and petroleum products	19,443	35,140	45,678	46,276	47,980	45,791	39,874	40,946	43,288	36,755	29,468	30,962	461,601
Machinery and mechanical supplies	186,610	212,810	177,172	152,021	104,811	88,203	69,176	71,442	120,934	106,355	100,776	102,837	1,493,147
Office equipment	619	815	665	252	215	102	0	350	0	280	1,358	1,503	6,159
Paints and hardware	5,757	9,117	16,046	16,380	9,000	5,205	3,316	5,197	4,854	8,861	10,699	12,200	106,632
Radios, phonographs, and musical instruments	24,311	38,414	39,189	9,778	11,756	7,290	9,150	11,958	37,104	55,735	44,777	33,267	322,729
Schools, camps, and correspondence courses	26,310	16,889	19,246	5,702	4,031	1,488	3,156	2,215	6,142	7,780	7,026	12,018	112,003
Shoes, shoe furnishings, trunks, bags	16,045	9,992	22,907	9,985	8,624	3,989	1,008	1,060	864	34,403	36,321	22,930	168,128
Soaps and housekeepers' supplies	5,490	7,978	13,631	16,743	16,555	9,782	6,782	6,240	13,863	18,613	8,760	6,456	130,893
Sporting goods	14,015	7,314	7,170	23,666	10,982	9,709	16,455	10,570	20,275	37,869	47,839	43,578	249,442
Stationery and books	15,773	6,627	13,970	1,706	3,564	735	1,065	343	2,856	6,374	9,345	8,721	71,079
Travel and amusement	17,862	29,665	17,000	14,568	5,821	11,347	1,486	6,232	5,479	17,665	12,311	19,707	159,143
Miscellaneous	102,242	200,397	181,611	124,760	63,525	47,423	32,592	28,338	84,262	114,461	92,927	103,305	1,175,843
Total	905,871	1,247,090	1,284,319	1,140,383	926,271	761,514	566,104	621,201	873,093	1,039,981	933,208	793,307	11,092,342

RADIO BROADCASTING CLASSIFICATION FOR 1929 [1]

[Dollars]

Automotive industry	147,195	161,137	188,370	175,548	172,663	110,988	118,588	92,692	113,287	138,336	147,709		
Building materials	0	16,309	27,687	30,248	32,091	7,406	8,525	15,300	20,560	28,005	24,028		
Cigars, cigarettes, and tobacco	61,273	100,070	122,113	128,855	132,461	108,157	102,461	89,821	94,731	122,112	125,390		
Clothing and dry goods	9,143	14,906	31,599	22,400	36,363	22,866	23,586	31,811	35,590	22,869	34,866		
Confectionery and soft drinks	67,358	62,856	64,395	63,178	42,669	37,955	36,097	31,304	31,375	37,065	44,003		
Drugs and toilet goods	136,874	125,401	136,768	133,429	160,477	138,466	131,985	125,574	171,804	227,445	224,885		
Financial and insurance	62,705	51,461	60,806	58,569	91,832	80,189	83,635	92,857	77,638	91,367	90,470		
Foods and food beverages	107,227	135,214	134,311	146,326	142,854	136,797	155,236	159,925	209,283	243,618	219,698		
Garden	0	0	585	351	0	0	0	0	0	0	0		
House furniture and furnishings	43,564	47,455	53,519	39,218	45,531	44,215	22,343	24,630	26,776	91,589	74,307		
Jewelry and silverware	1,930	1,655	1,650	1,580	1,810	6,270	3,960	4,015	4,730	4,280	4,565		
Lubricants and petroleum products	53,618	78,913	105,068	90,877	79,990	59,708	77,492	78,251	75,001	102,718	71,075		
Machinery and mechanical supplies	0	27,980	43,555	36,420	36,605	49,671	36,920	46,160	56,993	73,839	103,456		
Office equipment	0	0	0	0	0	0	0	0	0	0	17,540		
Paints and hardware	2,512	2,992	3,439	9,574	15,486	14,544	12,156	11,705	17,137	20,907	20,063		
Radios, phonographs, and musical instruments	308,963	278,200	306,142	275,993	254,157	242,866	288,923	309,842	359,152	415,788	354,484		
Schools, camps, and correspondence courses	0	0	0	0	0	0	0	0	0	0	0		
Shoes, shoe furnishings, trunks, and bags	34,324	36,006	44,780	33,314	19,736	20,550	15,760	25,771	24,144	20,980	38,723		
Soaps and housekeepers' supplies	1,000	10,000	15,000	15,000	24,686	27,297	48,574	42,018	27,616	9,406	7,900		
Sporting goods	0	0	26,500	21,200	21,100	0	0	0	0	0	3,962		
Stationery and books	54,490	52,763	67,986	55,500	58,500	52,440	51,440	57,954	97,186	105,929	120,674		
Travel and amusement	57,205	72,740	72,740	95,721	75,570	69,881	10,827	13,872	65,758	101,019	104,775		
Miscellaneous	108,793	96,426	103,239	117,071	118,089	79,029	83,009	76,577	90,430	91,158	75,714		
Total	1,258,174	1,372,484	1,610,252	1,550,372	1,562,770	1,309,295	1,311,517	1,330,079	1,599,191	1,948,430	1,908,287		

[1] Compiled by the *National Advertising Records* and published monthly by the *Denny Publishing Company (Inc.)*. The first 3 tables represent the amount of national advertising expenditures in the leading weekly and monthly magazines of the country and representative farm magazines. These data are based on advertisers' 1-time or single insertion rates as quoted by the *Standard Rate and Data Service* and does not take into consideration lower advertising rates due to longer period contracts. The amount of expenditures shown in any specified month includes the current month's monthly magazine lineage and the lineage for the preceding month's weeklies and semi-monthly magazines. Advertisements under 14 agate lines or special rate classified or local advertising have not been included. Data on radio broadcasting include only the *National Broadcasting System* and the *Columbia Broadcasting System* and cover charges for use of facilities only, cost of talent not being included, except in part as reported by the *Columbia Broadcasting System*.

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
1928															
January	168.0	176.8	186.4	258.7	150.0	159.7	185.5	137.9	164.6	160.0	186.1	151.3	149.7	137.8	195.4
February	145.6	135.7	139.2	206.5	116.6	143.1	160.3	160.9	131.5	126.8	160.9	125.7	122.9	128.3	195.4
March	188.7	167.3	176.1	243.5	122.9	165.3	218.7	255.1	148.7	150.0	220.0	157.4	154.8	217.0	172.1
April	179.0	169.3	179.3	257.6	125.7	161.1	204.0	162.0	154.0	159.2	205.3	155.3	155.5	141.5	167.5
May	191.3	170.0	177.0	272.8	129.1	175.0	221.4	265.4	167.7	160.8	222.4	163.5	164.0	154.7	186.1
June	193.6	163.5	168.6	245.7	134.0	175.0	222.4	202.2	173.0	196.7	223.3	175.8	177.8	151.0	202.4
July	157.5	149.1	157.4	200.0	111.1	161.1	172.1	152.8	160.4	153.3	172.4	143.8	142.9	130.2	172.1
August	156.3	143.4	152.2	188.1	106.9	147.2	172.0	142.5	162.0	139.2	172.5	132.8	131.1	126.4	172.1
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	255.3	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

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
1928															
January	127.6	130.1	271.2	123.0	164.6	102.1	83.8	148.0	149.3	178.1	138.2	133.3	87.6	112.0	84.1
February	112.4	123.0	225.4	103.6	166.6	97.8	78.4	128.7	126.6	160.8	136.0	120.7	86.8	98.6	87.3
March	127.0	135.0	245.8	115.4	175.0	116.1	81.1	157.6	156.9	197.9	146.3	138.0	106.0	114.6	101.6
April	118.5	126.0	240.7	106.6	158.3	104.3	75.7	155.1	158.9	184.0	131.6	129.5	102.4	106.6	88.9
May	122.0	132.5	271.2	106.2	160.4	109.7	73.0	162.0	162.6	206.1	141.9	134.6	108.5	121.3	95.2
June	118.6	126.8	250.9	105.2	158.3	110.7	64.9	162.1	159.2	217.4	137.5	42.6	108.5	124.0	100.0
July	114.7	121.1	245.8	107.2	147.9	96.8	64.9	145.4	139.3	205.5	135.3	131.2	94.0	114.6	95.2
August	112.9	117.1	235.6	102.3	143.7	121.5	62.2	146.6	139.7	216.6	133.8	129.5	97.6	114.6	95.2
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

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[2]
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
1928														
January	142.4	117.8	201.2	136.6	133.5	118.4	237.9	150.7	202.0	108.7	105.2	84.5	130.2	73.0
February	121.0	107.8	171.3	110.5	117.9	100.0	198.3	127.6	164.0	95.0	92.1	76.2	110.3	67.6
March	135.0	113.3	175.3	120.9	129.6	111.7	238.8	150.9	214.0	109.4	106.4	83.3	123.3	75.7
April	139.7	130.0	192.7	128.1	133.3	121.7	242.3	154.3	190.0	105.7	102.2	84.5	110.3	73.0
May	137.8	118.9	174.1	122.0	134.8	123.4	244.8	146.6	190.0	105.0	103.7	90.4	111.2	67.6
June	151.8	132.2	198.8	136.4	150.5	135.0	260.4	151.7	206.0	114.2	119.0	84.5	119.0	56.8
July	137.5	132.2	171.7	126.2	130.1	126.7	238.8	137.9	202.0	101.4	102.7	80.9	112.1	54.1
August	130.0	117.8	158.3	119.4	125.2	121.7	210.4	136.2	186.0	96.5	93.3	82.1	117.2	48.7
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

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
1928															
January	132.0	147.2	134.8	113.0	135.4	129.5	130.8	123.5	227.8	101.2	71.1	105.9	109.3	72.7	88.9
February	118.0	132.9	118.8	97.8	119.7	119.9	115.4	99.3	208.4	91.8	61.1	95.2	101.9	63.6	88.9
March	129.7	142.9	132.6	108.7	132.9	131.4	127.6	115.4	230.6	111.5	80.0	116.4	118.5	81.8	111.1
April	121.3	129.8	123.9	105.4	128.2	130.1	125.0	103.7	211.1	107.6	75.5	118.4	102.5	72.7	100.0
May	123.8	132.9	124.6	112.0	138.2	135.3	137.6	102.9	222.2	115.3	107.8	125.1	100.6	72.7	100.0
June	128.6	131.7	141.3	113.0	144.1	145.5	145.6	102.9	202.8	119.8	110.0	127.1	111.1	81.8	100.0
July	120.7	126.1	129.7	114.1	125.0	125.0	123.8	97.1	194.5	112.3	77.8	122.9	106.8	81.8	100.0
August	123.0	131.1	129.7	108.7	119.9	119.2	117.8	91.9	194.5	109.4	77.8	119.8	101.2	100.0	100.0
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

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
1928													
January	105.5	119.9	99.3	76.9	72.9	160.3	140.4	183.3	317.5	84.5	180.4	108.2	396.8
February	94.6	106.8	85.2	75.4	68.2	144.2	124.5	179.1	309.3	81.2	188.5	97.1	336.4
March	107.5	126.0	100.0	88.3	77.6	164.8	128.7	212.6	366.6	91.2	221.6	133.0	414.2
April	101.9	125.3	93.2	76.1	64.7	166.2	126.6	198.8	348.1	89.5	198.5	123.8	447.5
May	103.1	123.3	94.2	80.7	69.4	157.4	135.1	218.8	371.1	111.1	235.8	126.7	401.5
June	107.1	126.0	96.8	81.4	68.2	161.8	145.8	224.1	367.2	109.9	249.9	125.7	406.3
July	112.7	120.5	113.1	83.7	65.9	157.4	133.0	177.9	300.7	102.2	171.7	113.1	369.8
August	112.8	122.6	112.1	90.9	69.4	151.5	147.9	178.5	306.4	102.2	170.8	118.4	355.5
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

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
1928													
January	160.9	166.5	175.8	148.0	136.8	104.8	117.6	145.4	126.2	100.6	102.0	123.2	185.0
February	169.3	157.8	187.5	146.5	139.4	110.9	126.6	147.4	132.6	115.6	107.7	133.9	213.7
March	186.6	167.8	215.0	156.9	137.5	113.3	126.0	154.2	132.4	118.9	105.3	132.8	207.8
April	183.2	174.5	206.5	159.3	140.8	112.4	124.6	159.7	133.4	114.6	106.4	133.9	208.2
May	191.1	170.9	217.1	165.0	142.2	108.8	126.3	163.3	141.0	120.5	104.5	133.1	226.5
June	187.2	157.2	213.0	167.1	145.8	111.3	122.6	158.5	142.8	122.1	107.3	137.2	225.9
July	158.9	147.5	174.7	142.9	133.2	100.8	121.0	143.5	128.6	118.0	112.4	134.7	180.0
August	169.7	162.8	191.5	140.1	136.6	99.6	125.2	150.4	131.5	114.3	110.5	136.8	183.8
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

[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 (August, 1929), in which monthly figures for 1928 and 1929 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 of relative numbers, including base periods, see introduction on inside front cover.

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
TEXTILES												
Wool												
Receipts at Boston:												
Total ... thous. of lbs	56,981	40,476	19,444	12,148	12,714	8,090	12,746	+4.7	−0.3	286,368	289,227	+1.0
Domestic ... thous. of lbs	53,652	35,594	16,975	6,931	8,299	4,598	9,322	+19.7	−11.0	203,228	196,703	−3.2
Foreign ... thous. of lbs	3,329	4,882	2,469	5,217	4,415	3,492	3,424	−15.4	+28.9	83,140	92,524	+11.3
Imports:												
In condition imported ... thous. of lbs	18,815	17,068	18,158	19,463	19,510	20,730	15,587	+0.2	+25.2	224,305	260,221	+16.0
Grease equivalent ... thous. of lbs	21,931	19,015	21,450	23,066	23,021	24,193	18,488	−0.2	+24.5	252,822	293,602	+16.1
Consumption by textile mills, grease equivalent ... thous. of lbs	47,296	52,644	49,755	59,352	46,694	51,477	50,079	−21.3	−6.8	492,466	548,457	+11.4
Machinery activity, hourly:												
Looms—												
Wide ... per ct. of hours active	62	60	64	65	59	67	70	−9.2	−15.7			
Narrow ... per ct. of hours active	60	62	63	66	65	66	66	−1.5	−1.5			
Carpet and rug ... per ct. of hours active	61	66	66	71	65	67	68	−8.5	−4.4			
Sets of cards ... per ct. of hours active	80	80	83	85	74	93	89	−12.9	−16.9			
Combs ... per ct. of hours active	86	93	94	91	82	82	81	−9.9	+1.2			
Spinning spindles—												
Woolen ... per ct. of hours active	78	77	77	78	69	88	85	−11.5	−18.8			
Worsted ... per ct. of hours active	62	69	70	72	65	68	72	−9.7	−9.7			
Prices:												
Raw, territory, fine, scoured ... dolls. per lb	.93	.93	.92	.90	.88	1.10	1.12	−2.2	−21.4			
Raw, Ohio and Pa. fleeces, ¼ blood, combing, grease ... dolls. per lb	.42	.43	.43	.43	.43	.54	.55	0.0	−21.8			
Worsted yarn ... dolls. per lb	1.45	1.45	1.48	1.48	1.43	1.58	1.55	−3.4	−7.7			
Women's dress goods, French serge, 39-in ... dolls. per yd	.98	.98	.98	.98	.98	.98	.98	0.0	0.0			
Suiting, 13-oz ... dolls. per yd	1.996	1.901	1.901	1.901	1.901	2.008	2.008	0.0	−5.3			
Cotton												
Production, crop estimate ... thous. of bales					[2] 14,919		[3] 14,478					
Ginnings ... thous. of bales					[4] 13,462		[4] 13,144					
Receipts into sight ... thous. of bales	126	823	2,431	4,184	2,682	3,983	[5] 2,942	−35.9	−8.8	13,179	13,866	+5.2
Imports, umanufactured ... bales	21,369	24,793	23,974	19,815	35,502	27,840	[5] 40,291	+79.2	−11.9	304,444	410,361	+34.8
Exports, umnanufactured (including linters) ... bales	[5] 246,984	235,914	731,613	1,263,202	1,062,715	1,252,066	[5] 1,451,578	−15.9	−26.8	7,643,853	6,664,791	−12.8
Consumption by textile mills ... bales	[5] 547,165	558,113	545,649	640,798	544,150	616,238	[5] 611,173	−15.1	−11.0	6,038,769	6,600,416	+9.3
Stocks, domestic, end of month:												
Totals, mills and w'houses ... thous. of bales	[5] 2,037	2,189	4,017	6,672	7,514	5,828	[5] 6,791	+12.6	+10.6			
Mills ... thous. of bales	1,052	802	792	1,360	1,672	1,196	[5] 1,567	+22.9	+6.7			
Warehouses ... thous. of bales	[5] 985	1,387	3,225	5,312	5,842	4,632	[5] 5,224	+10.0	+11.8			
Stocks, world visible, end of month:												
Total ... thous. of bales	3,651	3,458	4,381	6,677	7,453	6,198	7,130	+11.6	+4.5			
American ... thous. of bales	1,693	1,629	2,652	4,982	5,644	4,645	5,438	+13.3	+3.8			
Prices:												
To producer ... dolls. per lb	.178	.180	.182	.175	.162	.181	.178	−7.4	−9.0			
In New York, middling ... dolls. per lb	.186	.187	.189	.186	.175	.196	.199	−5.9	−12.1			
Cotton Yarn												
Machinery activity of spindles:												
Active spindles ... thousands	[5] 30,397	30,237	30,038	30,135	29,649	30,302	[5] 30,596	−1.6	−3.1			
Total activity ... millions of hours	[5] 7,757	8,130	7,881	9,004	7,812	[5] 8,698	[5] 8,518	−13.2	−8.3			
Activity per spindle ... hours	222	234	226	258	226	246	241	−12.4	−6.2			
Ratio to capacity ... per cent	100.3	97.7	104.0	108.7	100.9	103.5	[5] 107.4	−7.2	−6.1			
Carded sales yarn:												
Production ... thous. of lbs	13,211	19,639	17,122	18,199	22,013	17,621	18,675	+21.0	+17.9	194,387	207,068	+6.5
Stocks, end of month ... thous. of lbs	8,901	8,185	7,423	7,173	7,842	8,476	8,568	+9.3	−8.5			
Unfilled orders, end of month ... thous. of lbs	32,472	32,175	35,833	40,749	37,785	39,041	44,752	−7.3	−15.6			
Prices:												
22/1 cones, Boston ... dolls. per lb	.348	.349	.357	.359	.346	.372	.375	−3.6	−7.7			
40/1s, southern spinning ... dolls. per lb	.505	.510	.510	.503	.491	.495	.511	−2.4	−3.9			
Cotton Goods												
Cotton textiles:												
Production ... thous. of yds	234,439	307,538	268,611	283,064	345,146	284,899	341,841	+21.9	+1.0	3,283,889	3,283,647	0.0
New orders ... thous. of yds	262,889	312,635	371,485	222,196	222,911	401,953	375,163	+0.3	−40.6	3,364,800	3,117,335	−7.4
Shipments ... thous. of yds	252,779	326,398	287,628	265,450	276,377	307,402	347,949	+4.1	−20.6	3,231,756	3,243,964	+0.4
Stocks, end of month ... thous. of yds	382,920	364,060	345,043	362,657	431,426	394,742	388,634	+19.0	+11.0			
Unfilled orders, end of mo ... thous. of yds	368,858	355,095	438,952	395,698	342,232	492,556	519,770	−13.5	−34.2			
Fine cotton goods, production ... pieces	408,659	485,437	381,760	454,524	390,501	282,763	348,712	−14.1	+12.0	2,772,608	4,817,646	+73.8
Cotton cloth:												
Imports ... thous. of sq. yds	5,175	3,927	3,972	5,936	5,080	3,676	4,389	−14.4	+15.7	55,454	56,662	+2.2
Exports ... thous. of sq. yds	50,412	42,359	42,274	43,709	35,720	56,087	54,248	−18.3	−34.2	485,734	519,850	+7.0

[2] As of Dec. 1. [3] Final estimate for 1928. [4] As of Dec. 13. [5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
TEXTILES—Continued												
Cotton Goods—Continued												
Fabric for tire manufacture consumption ... thous. of lbs	18,126	15,803	13,469	13,707		20,295	17,037			[6] 189,835	[6] 189,730	−0.1
Elastic webbing, shipments ... thous. of dolls	1,357	1,399	1,419	1,600	1,413	1,624	1,462	−11.7	−3.4	15,465	17,005	+10.0
Prices:												
Print cloth, 64 x 60 ... dolls. per yd	.073	.075	.076	.078	.076	.078	.078	−2.6	−2.6			
Sheeting, brown ... dolls. per yd	.083	.086	.086	.087	.087	.090	.090	0.0	−3.3			
Cotton goods (Fairchild), rel. to 1911–1913	159	160	160	160	159	163	164	−0.6	−3.0			
Cotton Finishing												
White, dyed and printed (outside mills):												
Billings, finished goods ... thous. of yds	75,582	75,845	73,116	81,549	64,797	83,935	82,700	−20.5	−21.6	822,082	896,856	+9.1
New orders, gray yardage ... thous. of yds	69,475	69,168	67,991	78,806	59,046	87,175	82,657	−25.1	−28.6	817,169	849,279	+3.9
Shipments, finished goods ... cases	44,809	45,238	43,586	46,173	39,110	50,984	49,136	−15.3	−20.4	511,163	548,566	+7.3
Stocks, finished goods, end mo ... cases	37,299	36,320	35,062	37,635	37,634	32,046	36,566	0.0	+2.9			
Operating activity ... per ct. of capacity	57	60	61	65	55	66	65	−15.4	−15.4			
Unfilled orders, end of month ... days	4.9	4.9	4.6	3.9	3.9	6.0	5.5	0.0	−29.1			
Printed only (mills and outside):												
Production ... thous. of yds	60,902	69,315	66,766	82,724	64,727	77,320	76,289	−21.8	−15.2	720,439	844,881	+17.3
Stocks, end of month ... thous. of yds	87,397	87,918	88,864	87,446	84,924	73,687	79,437	−2.9	+6.9			
Silk												
Imports, raw ... thous. of lbs	7,858	9,620	8,811	9,396	8,227	8,272	7,441	−12.4	+10.6	80,642	80,000	+10.4
Deliveries (consumption) ... bales	51,624	59,704	53,274	57,489	50,562	49,940	47,709	−12.0	+6.0	525,984	575,588	+9.4
Stocks, end of month:												
At warehouses ... bales	42,596	48,408	55,104	64,129	76,452	49,381	49,806	+19.2	+53.5			
At manufacturing plants ... bales	20,985	25,854	29,594	28,200	29,726	26,676	25,373	+5.4	+17.2			
Silk machinery activity:												
Broad looms ... per cent of normal	99.7	101.9	100.7	102.6	101.2	102.0	94.5	−1.4	+7.1			
Narrow looms ... per cent of normal	65.1	65.5	63.1	58.1	57.4	50.5	51.8	−1.2	+10.8			
Spinning spindles ... per cent of normal	63.8	65.2	66.8	66.9	66.2	69.3	60.3	−1.0	+9.8			
Prices:												
Raw, Japanese, 13–15, N. Y. ... dolls. per lb	4.876	5.073	5.122	4.925	4.679	5.145	5.047	−5.0	−7.3			
Silk goods, composite ... dolls. per yd	1.18	1.18	1.18	1.18		1.16	1.16					
Rayon												
Imports ... thous. of lbs	858	990	1,044	1,540	1,083	1,238	1,004	−29.7	+7.9	10,984	15,244	+38.8
Stocks, bonded, end of month ... thous. of lbs	2,802	2,747	2,451	2,538		2,663	2,434					
Price, 150 denier, A grade, N. Y. ... dolls. per lb	1.15	1.15	1.15	1.15	1.15	1.50	1.50	0.0	−23.3			
Clothing												
Men's and boys' garments cut:												
Suits ... thous. of garments	2,202	2,132	1,797	1,670		1,816	1,772			[6] 21,260	[6] 21,156	−0.5
Separate trousers ... thous. of garments	2,307	2,353	2,156	2,253		2,251	1,911			[6] 21,134	[6] 22,523	+6.6
Overcoats ... thous. of garments	631	763	763	716		812	528			[6] 4,873	[6] 5,160	+5.9
Overalls:												
Cut ... thous. of dozen garments	380	416	419	[5] 471	380	404	343	−19.3	+10.8	4,053	4,345	+7.2
Net shipments ... thous. of dozen garments	361	408	403	[5] 391	308	340	297	−21.2	+3.7	3,539	3,902	+10.3
Unfilled orders, end of mo ... thous. of dozen garments	220	144	172	[5] 170	155	174	230	−8.8	−32.6			
Hosiery												
Production ... thous. of dozen pairs	3,068	3,417	3,577	4,184		3,852	3,810			[6] 34,414	[6] 35,801	+4.0
Net shipments ... thous. of dozen pairs	3,075	3,485	4,039	4,332		4,166	4,144			[6] 34,654	[6] 35,677	+3.0
Stocks, end of month ... thous. of dozen pairs	7,943	8,139	7,887	7,730		7,849	7,699					
New orders ... thous. of dozen pairs	2,813	3,427	4,025	4,426		4,342	4,751			[6] 34,477	[6] 36,323	+5.4
Unfilled orders, end of month ... thous. of dozen pairs	4,437	4,234	4,139	4,066		3,888	4,609					
Knit Underwear												
Production ... thous. of dozen garments	1,091	1,152	1,100	1,398		1,297	1,147			[6] 11,673	[6] 11,893	+7.4
Net shipments ... thous. of dozen garments	1,064	1,382	1,532	1,528		1,514	1,168			[6] 11,299	[6] 12,021	+6.4
Stocks, end of mo ... thous. of dozen garments	1,797	1,689	1,422	1,238		1,228	1,164					
New orders ... thous. of dozen garments	891	1,149	1,461	1,372		1,483	1,163			[6] 11,182	[6] 12,320	+10.2
Unfilled orders, end of month ... thous. of dozen garments	2,103	1,870	1,783	1,607		1,645	1,605					
Burlaps and Fibers												
Imports:												
Burlaps ... thous. of lbs	41,526	74,698	33,568	42,067	41,952	30,874	31,503	−0.3	+33.2	568,325	597,857	+5.2
Fibers (unmanufactured) ... long tons	20,469	25,048	22,210	26,613	30,554	25,615	25,651	+14.8	+19.1	276,357	307,053	+11.1
Pyroxylin-Coated Textiles												
Pyroxylin spread ... thous. of lbs	4,331	4,294	3,812	3,875	2,783	5,712	5,366	−28.2	−48.1	56,371	52,600	−6.7
Shipments billed ... thous. of linear yards	3,509	3,540	3,315	3,529	2,516	4,499	4,419	−28.7	−43.1	44,120	44,345	+0.5
Unfilled orders, end mo. ... thous. of linear yards	2,805	2,468	2,599	2,403	2,045	3,824	3,316	−14.9	−38.3			
Fur												
Sales by dealers ... thous. of dollars	8,135	11,335	11,434	8,187	4,163	12,576	7,960	−49.2	−47.7	128,535	122,889	−4.4
Buttons												
Fresh-water pearl buttons:												
Production ... ratio to capacity	40.9	45.5	46.6	48.1		51.0	53.0					
Stocks, end of month ... thous. of gross	11,170	10,951	10,836	10,686		10,521	10,815					

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−) Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−) Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30 1928	Cumulative total from Jan. 1 through Nov. 30 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
IRON AND STEEL												
Iron												
Manganese ore, imports...thous. of long tons..	48	33	13	25	24	26	16	−4.0	+50.0	187	308	+64.7
Iron ore:												
Imports...thous. of long tons..	301	298	247	270	269	170	223	−0.4	+20.6	2,248	2,854	+27.0
Shipments from mines.thous. of long tons..	10,671	10,807	9,547	7,989	3,951	8,454	4,261	−50.5	−7.3	53,981	65,204	+20.8
Receipts:												
Lake Erie ports and furnaces...thous. of long tons..	7,509	7,518	6,619	6,052	3,119	6,002	[5] 3,598	−48.5	−13.3	36,942	45,746	+23.8
Other ports...thous. of long tons..	3,127	3,284	2,710	2,267	1,661	2,580	1,555	−26.7	+6.8	16,455	18,768	+14.1
Consumption...thous. of long tons..	5,808	5,779	5,362	[5] 5,366	4,701	5,025	4,897	−12.4	−4.0	51,826	59,569	+14.9
Stocks, end of month:												
Total...thous. of long tons..	28,697	33,831	38,125	41,135	41,500	39,555	40,080	+0.9	+3.5	----	----	----
At furnaces...thous. of long tons..	24,245	28,720	32,360	34,770	35,010	33,082	33,626	+0.7	+4.1	----	----	----
On Lake Erie docks...thous. of long tons..	4,452	5,111	5,765	6,365	6,490	6,473	6,454	+2.0	+0.6	----	----	----
Pig-iron production:												
Total, United States...thous. of long tons..	3,785	3,756	3,498	3,588	3,181	3,374	3,302	−11.3	−3.7	34,468	39,448	+14.4
Merchant furnaces...thous. of long tons..	746	690	635	685	683	644	648	−0.3	+5.4	6,904	8,039	+16.4
Canada...thous. of long tons..	100	113	99	91	----	93	95	----	----	[6] 839	[6] 921	+9.8
Furnaces in blast, end of month:												
Furnaces...number..	216	210	205	203	177	197	194	−12.8	−8.8	----	----	----
Capacity...long tons per day..	121,965	119,130	116,405	113,600	98,450	108,800	108,575	−13.3	−9.3	----	----	----
Ohio gray-iron foundries:												
Meltings—												
Actual...long tons..	19,508	18,670	20,081	23,855	17,196	20,112	17,249	−27.9	−0.3	179,756	231,224	+28.6
Normal...long tons..	18,535	17,104	19,595	20,627	19,105	19,349	18,849	−7.4	+1.4	179,147	215,837	+20.5
Ratio to normal...per cent of normal..	105.3	109.1	102.5	115.6	90.0	103.9	91.6	−22.1	−1.7	----	----	----
Stocks, end of month..per cent of normal..	131	120	130	117	109	134	130	−6.8	−16.2	----	----	----
Receipts...per cent of normal..	99	113	100	112	84	104	95	−25.0	−11.6	----	----	----
Malleable castings:												
Production...short tons..	70,625	68,651	59,589	[5] 65,305	42,762	70,054	63,560	−34.5	−32.7	720,049	775,048	+7.6
Operating activity...per ct. of capacity..	73.5	70.0	62.0	[5] 67.9	44.0	73.4	66.8	−35.2	−34.1	----	----	----
Shipments...short tons..	69,665	69,240	63,049	[5] 58,749	44,193	63,510	58,346	−24.8	−24.3	695,866	768,194	+10.4
New orders...short tons..	61,401	61,982	52,957	[5] 60,954	35,985	65,780	59,664	−41.0	−39.7	697,708	737,768	+5.7
Wholesale prices:												
Foundry, No. 2, northern...dolls. per long ton..	20.26	20.26	20.26	20.26	20.26	18.86	19.39	0.0	+4.5	----	----	----
Basic (valley furnace)..dolls. per long ton..	18.50	18.50	18.50	18.50	18.50	17.10	17.50	0.0	+5.7	----	----	----
Composite pig iron...dolls. per long ton..	18.31	19.18	19.00	19.03	19.10	18.40	18.96	+0.4	+0.7	----	----	----
Cast-iron Boilers and Radiators												
Round boilers:												
Production...thous. of lbs..	8,997	12,189	11,602	15,407	11,430	17,953	16,846	−25.8	−32.2	148,703	127,583	−14.2
Shipments...thous. of lbs..	13,553	15,092	18,263	23,487	12,162	22,621	17,362	−48.2	−30.0	150,281	135,502	−9.8
New orders...thous. of lbs..	14,490	13,916	16,936	19,583	10,652	19,819	13,252	−45.6	−19.6	145,598	123,145	−15.4
Stocks, end of month...thous. of lbs..	84,027	81,162	74,254	66,509	66,476	78,349	77,785	0.0	−14.5	----	----	----
Square boilers:												
Production...thous. of lbs..	11,598	19,014	20,766	32,819	23,521	30,098	26,770	−28.3	−12.1	327,239	256,259	−21.7
Shipments...thous. of lbs..	22,927	28,757	34,671	43,185	24,382	52,505	36,328	−43.5	−32.9	310,366	242,223	−22.0
New orders...thous. of lbs..	26,039	27,242	36,481	35,715	23,109	53,522	28,502	−35.3	−18.9	311,608	236,478	−24.1
Stocks, end of month...thous. of lbs..	169,044	159,661	145,716	135,030	134,117	145,051	135,889	−0.7	−1.3	----	----	----
Radiators:												
Production..thous. sq. ft. heating surface..	6,756	10,365	9,545	12,299	8,634	12,853	10,825	−29.8	−20.2	153,671	120,305	−21.7
Shipments...thous. sq. ft. heating surface..	11,729	13,665	14,980	18,214	12,501	23,062	19,219	−31.4	−35.0	148,457	117,497	−20.9
New orders..thous. sq. ft. heating surface..	13,621	14,267	15,680	16,148	12,648	23,394	16,931	−21.7	−25.3	153,270	120,758	−21.2
Stocks, end of month...thous. sq. ft. heating surface..	69,277	65,792	59,794	53,715	49,500	63,082	54,776	−7.8	−9.6	----	----	----
Gas-fired boilers:												
Shipments...dollars..	315,696	486,659	549,424	522,400	273,092	351,367	250,315	−47.7	+9.1	2,510,193	3,370,648	+34.3
Shipments...thous. B. t. u..	254,856	365,280	459,124	427,629	241,285	274,760	202,868	−43.6	+18.9	2,025,153	2,674,266	+32.1
Production...thous. B. t. u..	248,993	235,877	306,158	317,234	187,095	187,196	233,073	−41.0	−19.7	1,860,673	2,782,110	+49.5
Stocks, end of month...thous. B. t. u..	1,115,865	951,598	885,625	808,223	764,098	596,143	598,518	−5.5	+27.7	----	----	----
Crude Steel												
Steel ingots, production:												
United States, total...thous. of long tons..	4,838	4,927	4,511	4,512	3,513	4,650	4,267	−22.1	−17.7	45,847	51,267	+11.8
Ratio to capacity...per cent..	95	93	92	85	69	91	87	−18.8	−20.7	----	----	----
Canada...thous. of long tons..	130	120	99	116	----	109	108	----	----	[6] 1,030	[6] 1,203	+16.8
U. S. Steel Corporation:												
Unfilled orders, end of month...thous. of long tons..	4,088	3,658	3,903	4,087	4,125	3,751	3,673	+0.9	+12.3	----	----	----
Steel castings:												
Production—												
Total...short tons..	[5] 118,100	[5] 118,458	[5] 106,268	[5] 119,382	102,599	87,952	[5] 81,955	−14.1	+25.2	935,308	1,236,302	+32.2
Ratio to capacity...per cent..	[5] 81	81	[5] 73	[5] 83	71	60	[5] 57	−14.5	+24.6	----	----	----
Railroad specialties...short tons..	51,989	[5] 50,548	[5] 44,609	[5] 49,917	49,789	29,471	30,799	−0.3	+61.7	345,080	538,633	+56.1
Miscellaneous...short tons..	[5] 66,011	[5] 67,910	[5] 61,659	[5] 69,465	52,810	58,481	[5] 51,156	−24.0	+3.2	590,228	697,569	+18.2
New orders—												
Total...short tons..	[5] 103,356	[5] 98,697	[5] 85,859	[5] 134,183	88,424	78,860	[5] 84,318	−34.1	+4.9	899,445	1,214,453	+35.0
Ratio to capacity...per cent..	[5] 71	[5] 69	[5] 59	[5] 92	61	54	[5] 59	−33.7	+3.4	----	----	----
Railroad specialties...short tons..	37,731	[5] 35,906	[5] 33,463	[5] 72,379	41,295	26,736	34,545	−42.9	+19.5	345,935	560,720	+62.1
Miscellaneous...short tons..	[5] 65,625	[5] 62,791	[5] 52,396	[5] 61,804	47,129	52,124	[5] 49,773	−23.7	−5.3	553,510	673,733	+21.7
Sheets, black, blue, galvanized, and full finished:												
Production—												
Total...net tons..	323,905	366,734	302,490	319,660	204,071	369,243	358,402	−36.2	−43.1	3,645,771	3,705,461	+1.6
Ratio to capacity...per cent..	98.1	109.7	97.7	95.3	65.8	103.5	104.8	−31.0	−37.2	----	----	----
Stocks end of month—												
Total...net tons..	154,854	143,323	154,928	169,390	178,736	150,600	174,028	+5.5	+2.7	----	----	----
Unsold...net tons..	47,103	34,436	43,886	63,174	71,680	49,800	63,014	+13.5	+13.8	----	----	----
Shipments...net tons..	344,676	365,649	301,330	291,135	207,200	354,925	307,790	−28.8	−32.7	3,483,409	3,678,314	+5.6
New orders...net tons..	337,222	282,107	274,568	258,810	134,391	344,614	346,041	−48.1	−61.2	3,471,205	3,565,181	+2.7
Unfilled orders, end of month...net tons..	658,155	570,613	522,803	478,038	395,696	525,161	565,739	−17.2	−30.1	----	----	----

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
IRON AND STEEL—Continued												
Crude Steel—Continued												
Steel barrels:												
Production ... barrels	790,175	806,574	[5] 663,531	[5] 629,976	572,621	656,021	563,647	−9.1	+1.6	6,846,672	7,713,901	+12.7
Ratio to capacity ... per cent	64.2	65.2	[5] 55.4	[5] 52.5	50.8	56.4	48.0	−3.2	+5.8			
Shipments ... barrels	782,411	809,860	[5] 653,890	[5] 638,681	567,257	661,009	568,353	−11.2	−0.2	6,853,813	7,697,366	+12.3
Stocks, end of month ... barrels	59,986	56,700	[5] 64,917	[5] 56,212	61,576	50,071	45,365	+9.5	+35.7			
Unfilled orders, end of month ... barrels	1,372,697	1,205,659	[5] 1,071,150	901,621	993,601	823,872	957,117	+10.2	+3.8			
Track work, production ... short tons	13,844	14,818	12,962	12,902	11,326	9,493	8,379	−12.2	+35.2	128,584	151,289	+17.7
Iron, steel, and heavy hardware sales ... rel. to Jan., 1921	223	240	229	243		236	210					
Lock washers, shipments ... thous. of dolls	391	320	298	263	159	269	255	−39.5	−37.6	2,907	3,531	+21.5
Wholesale prices:												
Steel billets, Bessemer ... dolls. per long ton	35.00	35.00	35.00	35.00	35.00	32.80	33.00	0.0	+6.1			
Iron and steel comp ... dolls. per long ton	36.72	36.57	36.50	36.27	36.04	35.48	35.92	−0.6	+0.3			
Structural steel beams ... dolls. per 100 lbs	1.95	1.95	1.95	1.90	1.90	1.85	1.90	0.0	0.0			
Composite finished steel ... dolls. per 100 lbs	2.56	2.56	2.54	2.51	2.50	2.52	2.52	−0.4	−0.8			
Fabricated Steel Products												
Structural steel, fabricated:												
New orders (prorated) ... short tons	350,350	365,750	319,550	[5] 350,350	227,150	257,950	242,550	−35.2	−6.3	3,041,500	3,534,300	+16.2
Ratio to capacity ... per cent	91	95	83	[5] 91	59	67	63	−35.2	−6.3			
Shipments (prorated) ... short tons	304,150	342,650	[5] 323,400	[5] 358,050	284,900	319,550	273,350	−20.4	+4.2	2,845,150	3,314,850	+16.5
Ratio to capacity ... per cent	79	89	[5] 84	[5] 93	74	83	71	−20.4	+4.2			
Steel plate, fabricated, new orders:												
Total ... short tons	48,968	39,702	41,653	[5] 32,099	41,287	53,983	54,418	+28.6	−24.1	492,369	487,323	−1.0
Ratio to capacity ... per cent	62	51	53	[5] 39	53	68	68	+35.9	−22.1			
Oil storage tanks ... short tons	14,963	11,150	15,189	[5] 8,786	9,033	23,960	32,381	+2.8	−72.1	227,611	135,275	−40.6
Steel bars, cold finished, shipments ... short tons	49,910	46,747	40,889	39,296	27,648	50,867	46,902	−29.6	−41.1	464,863	540,314	+16.2
Steel boilers, new orders:												
Quantity ... number	2,052	1,859	1,910	1,712	1,239	1,803	1,660	−27.6	−25.4	18,329	17,497	−4.5
Area ... thous. of sq. ft	2,075	1,781	1,957	1,871	1,160	1,500	1,460	−38.0	−20.5	16,377	18,587	+13.5
Steel furniture:												
Business group—												
Shipments ... thous. of dolls	2,625	2,483	2,334	[5] 2,984	2,631	3,159	2,854	−11.8	−7.8	31,926	31,039	−2.8
New orders ... thous. of dolls	2,560	2,418	2,290	[5] 2,849	2,900	3,193	2,676	+1.8	+8.4	32,363	31,070	−4.0
Unfilled orders, end mo. ... thous. of dolls	2,240	2,171	2,055	[5] 2,059	2,345	2,095	1,917	+13.9	+22.3			
Shelving—												
Shipments ... thous. of dolls	867	890	843	979	860	954	916	−12.2	−6.1	8,506	10,466	+23.0
New orders ... thous. of dolls	939	931	880	928	801	959	875	−13.7	−8.5	8,772	10,819	+23.3
Unfilled orders, end mo. ... thous. of dolls	999	1,041	1,079	1,015	950	760	721	−6.4	+31.8			
Iron and steel:												
Exports ... long tons	270,532	242,856	222,408	247,646	241,829	256,870	256,886	−2.3	−5.9	2,641,187	2,817,110	+6.7
Imports ... long tons	51,275	61,547	46,346	49,502	44,045	50,176	50,038	−11.0	−12.0	547,976	528,287	−3.6
Enameled Ware												
Baths:												
Shipments ... pieces	99,705	101,050	77,374	[5] 65,530	50,417	93,174	68,783	−23.1	−26.7	1,057,927	890,343	−15.8
Stocks, end of month ... pieces	162,694	152,349	152,107	[5] 162,465	166,397	147,656	165,738	+2.4	+0.4			
New orders ... pieces	119,670	116,532	58,574	[5] 56,855	46,374	90,665	72,677	−18.4	−26.2	1,157,044	909,395	−21.4
Unfilled orders, end of month ... pieces	61,118	74,973	55,984	[5] 47,525	41,776	44,842	45,561	−12.1	−8.3			
Lavatories:												
Shipments ... pieces	108,077	125,920	96,210	[5] 85,889	67,038	99,250	79,218	−21.9	−15.4	1,193,613	1,050,146	−12.0
Stocks, end of month ... pieces	223,657	192,213	172,442	[5] 176,319	173,620	180,651	195,323	−1.5	−11.1			
New orders ... pieces	140,109	146,983	72,088	[5] 71,967	56,969	91,575	81,693	−20.8	−30.3	1,300,985	1,074,994	−17.4
Sinks:												
Shipments ... pieces	114,051	120,018	103,097	[5] 93,446	68,617	111,740	89,309	−26.6	−23.2	1,243,540	1,089,679	−12.4
Stocks, end of month ... pieces	273,463	254,210	233,532	[5] 243,409	248,325	230,725	242,837	+2.0	+2.3			
New orders ... pieces	138,064	142,536	83,672	[5] 78,600	62,806	110,396	92,490	−20.1	−32.1	1,351,636	1,122,973	−16.9
Miscellaneous sanitary ware:												
Shipments ... pieces	44,762	48,554	37,205	[5] 38,630	29,657	46,129	44,159	−23.2	−32.8	523,700	428,252	−18.2
Stocks, end of month ... pieces	133,265	126,626	119,359	[5] 123,220	119,774	116,110	125,108	−2.8	−4.3			
New orders ... pieces	54,131	53,402	28,924	[5] 34,254	27,448	43,889	37,852	−19.9	−27.5	533,785	438,567	−17.8
Small ware (all except baths):												
Unfilled orders, end of month ... pieces	214,996	259,787	207,826	[5] 174,176	152,555	129,154	130,873	−12.4	+16.6			
Enameled sheet-metal ware:												
Shipments ... dozen pieces	290,532	385,162	338,169	371,292	305,714	417,387	328,875	−17.7	−7.0	3,869,422	4,112,579	+6.3
Machinery												
Water softeners, shipments ... units	1,177	1,581	1,484	1,450	1,068	1,505	1,125	−26.3	−5.1	15,261	15,132	−0.8
Water systems, shipments ... units	12,268	14,200	12,600	12,254	8,755	11,367	9,871	−28.6	−11.3	109,838	120,193	+9.4
Pumps:												
Domestic shipments—												
Pitcher, hand, etc ... units	39,586	52,451	48,039	41,566	35,062	42,315	37,563	−15.6	−6.7	506,918	489,378	−3.5
Power, horizontal type ... units	2,768	2,902	2,262	2,532	1,785	2,732	2,093	−29.5	−14.7	24,366	26,945	+10.6
Steam, power, and centrifugal—												
New orders ... thous. of dolls	1,778	1,819	1,628	1,868	1,533	1,708	2,084	−17.9	−26.4	16,574	19,592	+18.2
Shipments ... thous. of dolls	1,849	1,978	1,774	1,934	1,535	1,634	1,494	−20.6	+2.7	15,771	19,078	+21.0
Unfilled orders, end mo. ... thous. of dolls	4,282	4,115	4,052	3,981	3,976	3,128	3,714	−0.1	+7.1			
Agricultural machinery and equipment:												
Shipments—												
Total ... rel. to 1923–25	231.2	229.3	172.8	[5] 167.4	135.8	153.4	108.2	−18.9	+25.5			
Domestic ... rel. to 1923–25	224.9	218.4	152.8	[5] 134.8	96.7	129.1	79.6	−28.3	+21.5			
Foreign ... rel. to 1923–25	263.8	285.7	275.9	[5] 334.6	338.0	280.3	257.4	+1.0	+31.3			
Production ... rel. to 1923–25	167.7	156.4	155.1	[5] 157.1	160.4	148.5	154.6	+2.1	+3.8			
Foundry equipment:												
New orders ... rel. to 1922–24	219.3	229.5	216.3	245.3	128.6	185.0	197.8	−47.6	−35.0			
Shipments ... rel. to 1922–24	182.1	150.8	176.8	214.1	152.2	254.3	264.0	−28.9	−42.3			
Unfilled orders, end of mo. ... rel. to 1922–24	368.7	441.1	480.8	492.5	445.4	462.6	403.9	−9.6	+10.3			
Stokers, mechanical, sales:												
Quantity ... number	186	199	155	178	107	100	116	−39.9	−7.8	1,388	1,637	+17.9
Power ... horsepower	65,197	54,929	45,685	56,108	39,469	27,219	30,938	−29.7	+27.6	459,476	554,609	+20.7

[5] Revised

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
IRON AND STEEL—Continued												
Machinery—Continued												
Machine tools:												
New orders.....rel. to 1922-24..	259	298	241	322	179	284	290	−44.4	−38.3	.....	.....	.....
Shipments.....rel. to 1922-24..	278	277	257	315	251	221	242	−20.3	+3.7	.....	.....	.....
Unfilled orders, end of mo..rel. to 1922-24..	694	693	709	697	629	504	563	−9.8	+11.7	.....	.....	.....
Electric hoists:												
New orders—												
Quantity.....number..	504	437	423	461	412	405	522	−10.6	−21.1	4,770	5,764	+20.8
Value.....dollars..	249,447	264,888	230,543	231,372	214,661	209,594	258,867	−7.2	−17.1	2,259,277	2,874,266	+27.2
Shipments.....dollars..	290,141	339,881	281,439	233,215	224,647	202,829	215,863	−3.7	+4.1	2,052,120	2,796,840	+36.3
Electric overhead cranes:												
Shipments.....thous. of dolls..	1,146	1,060	1,048	1,322	1,162	806	701	−12.1	+65.8	6,503	10,910	+67.8
New orders.....thous. of dolls..	1,157	1,165	701	1,142	1,405	775	725	+23.0	+93.8	7,039	13,885	+97.3
Unfilled orders, end of mo..thous. of dolls..	5,118	5,193	4,879	4,699	4,933	2,165	2,189	+5.0	+125.4	.....	.....	.....
Woodworking machinery:												
New orders.....thous. of dolls..	1,691	1,748	1,297	1,251	1,009	1,585	1,295	−19.3	−22.1	15,601	17,704	+13.5
Shipments.....thous. of dolls..	1,767	1,974	1,555	1,568	1,186	1,666	1,502	−24.4	−21.0	14,863	18,048	+21.4
Shipments.....number of machines..	1,232	1,386	1,129	1,246	852	1,170	985	−31.6	−13.5	11,065	12,732	+15.1
Cancellations.....thous. of dolls..	18	25	15	47	35	140	21	−25.5	+66.7	388	373	−3.9
Unfilled orders, end of mo..thous. of dolls..	2,369	2,130	1,829	1,461	1,257	2,035	1,838	−14.0	−31.6	.....	.....	.....
Electric industrial trucks and tractors:												
Shipments, domestic—												
Tractors.....number of vehicles..	18	15	21	14	9	5	9	−35.7	0.0	96	162	+68.7
All other types....number of vehicles..	145	129	130	[5] 120	99	109	117	−17.5	−15.4	1,089	1,571	+44.3
Exports.....number of vehicles..	5	10	7	[5] 33	8	20	6	−75.8	+33.3	128	133	+3.9
Fire-extinguishing equipments, shipments:												
Motor vehicles.....number..	131	116	122	[5] 118	131	139	126	+11.0	+4.0	1,215	1,237	+1.8
Hand types.....number..	62,266	63,806	51,197	47,840	36,279	49,128	41,954	−24.2	−13.5	515,721	574,720	+11.4
Patents issued:												
Total, all classes.....number..	4,054	3,533	3,081	4,462	3,519	4,323	3,494	−21.1	+0.7	39,066	40,687	+4.1
Agricultural implements.....number..	53	51	51	63	43	59	39	−31.7	+10.3	462	566	+22.5
Internal-combustion engines.....number..	92	55	44	86	40	67	63	−53.5	−36.5	586	609	+3.9
NONFERROUS METALS												
Copper												
Production:												
Mines.....short tons..	79,229	78,885	79,402	82,575	75,231	86,480	85,382	−8.9	−11.9	823,474	930,728	+13.0
Smelter.....short tons..	94,690	91,735	92,538	97,405	94,861	100,720	103,137	−2.6	−8.0	956,708	1,089,480	+13.9
Refined (N. and S. America)...short tons..	153,513	148,648	134,343	152,840	145,376	149,199	155,448	−4.9	−6.5	1,479,944	1,673,654	+13.1
World production, blister.....short tons..	[5] 174,507	[5] 173,430	[5] 174,274	[5] 175,540	170,585	176,623	183,813	−2.8	−7.2	1,737,231	1,970,996	+13.5
Domestic shipments, refined.....short tons..	98,720	96,970	98,043	105,729	68,979	100,371	99,822	−34.8	−30.9	898,571	1,061,259	+18.1
Exports.....short tons..	33,876	36,811	42,978	44,502	27,524	45,168	45,171	−38.2	−39.1	511,552	455,498	−11.0
Stocks (North and South America), end mo:												
Refined.....short tons..	97,729	104,372	94,751	88,401	126,919	45,648	52,153	+43.6	+143.4	.....	.....	.....
Blister.....short tons..	239,470	241,678	253,519	[5] 254,786	257,507	241,732	244,854	+1.1	+5.2	.....	.....	.....
Wholesale price, electrolytic.....dolls. per lb..	.1778	.1778	.1778	.1778	.1778	.1520	.1578	0.0	+12.7	.....	.....	.....
Wire Cloth												
Production.....thous. of sq. ft..	438	498	373	422	441	466	423	+4.5	+4.3	4,801	5,018	+4.5
Shipments.....thous. of sq. ft..	461	434	394	417	367	442	395	−12.0	−7.1	4,518	4,592	+1.6
Stocks, end of month.....thous. of sq. ft..	1,049	978	928	933	973	1,068	1,092	+4.3	−10.9	.....	.....	.....
New orders.....thous. of sq. ft..	345	302	333	454	504	419	422	+11.0	+19.4	4,300	4,649	+8.1
Unfilled orders, end of mo.....thous. of sq. ft..	405	211	242	257	302	266	301	+17.5	+0.3	.....	.....	.....
Make and hold orders, end of month.....thous. of sq. ft..	507	480	435	499	570	459	482	+14.2	+18.3	.....	.....	.....
Tin												
Deliveries (consumption).....long tons..	6,865	7,185	8,120	6,515	6,595	6,475	7,145	+1.2	−7.7	71,710	83,370	+16.3
Stocks, end of month:												
World visible supply.....long tons..	23,789	26,400	24,556	25,580	25,171	20,907	22,067	−1.6	+14.1	.....	.....	.....
United States.....long tons..	3,087	2,858	2,479	2,720	2,050	4,598	3,603	−24.6	−43.1	.....	.....	.....
Imports.....long tons..	5,521	9,737	7,712	6,201	5,818	8,048	6,221	−6.2	−6.5	72,720	84,137	+15.7
Wholesale price pig tin.....dolls. per lb..	.4640	.4665	.4538	.4235	.4022	.4901	.5085	−5.0	−20.9	.....	.....	.....
Zinc												
Reports in operation, end of month...number..	72,329	58,800	68,828	66,996	58,083	59,832	61,544	−13.3	−5.6	.....	.....	.....
Production.....short tons..	54,441	55,290	53,285	50,938	47,620	50,259	50,260	−6.5	−5.3	569,004	579,472	+1.8
Stocks, end of month.....short tons..	44,142	47,833	53,362	57,116	63,061	46,068	46,542	+10.4	+35.5	.....	.....	.....
Ore, Joplin district:												
Shipments.....short tons..	48,995	63,127	45,084	48,810	42,418	41,165	49,246	−13.1	−13.9	518,074	573,166	+10.6
Stocks, mines end of month...short tons..	39,813	42,876	43,832	44,622	57,943	53,209	51,013	+29.9	+13.6	.....	.....	.....
Price, slab, prime western.....dolls. per lb..	.0677	.0680	.0680	.0674	.0624	.0625	.0626	−7.4	−0.3	.....	.....	.....
Lead												
Production.....short tons..	56,924	53,316	56,807	[5] 61,813	59,496	58,118	58,021	−3.7	+2.5	593,905	636,689	+7.2
Ore shipments:												
Joplin district.....short tons..	5,373	7,808	7,461	7,588	8,850	10,514	9,102	+16.6	−2.8	88,309	93,965	+6.4
Utah.....short tons..	66,083	92,668	75,927	77,693	89,545	71,887	91,538	+15.3	−2.2	786,422	894,999	+13.8
Receipts in U. S. ore.....short tons..	54,865	54,365	54,623	58,364	.....	55,610	55,660	.....	.....	[6] 528,724	[6] 553,380	+4.7
Stocks, U. S. and Mexico, end mo..short tons..	173,549	175,641	168,707	167,023	.....	152,746	156,879	.....	.....	.....	.....	.....
Price, pig, desilverized, N. Y.....dolls. per lb..	.0680	.0675	.0689	.0687	.0629	.0650	.0639	−8.4	−1.6	.....	.....	.....
Other Metal Products												
Babbitt metal, consumption:												
Total apparent.....thous. of lbs..	5,361	5,433	5,225	[5] 5,519	4,522	5,796	5,630	−18.1	−19.7	54,691	61,791	+13.0
Direct by producers.....thous. of lbs..	1,313	1,435	1,337	1,512	1,316	1,191	1,274	−13.0	+3.3	11,501	14,027	+22.0
Sale to consumers.....thous. of lbs..	4,048	3,997	3,888	[5] 4,007	3,206	4,605	4,357	−20.0	−26.4	43,190	47,765	+10.6

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−): Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−): Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30: 1928	Cumulative total from Jan. 1 through Nov. 30: 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
NONFERROUS METALS—Continued												
Other Metal Products—Continued												
Pails and tubs, galvanized:												
Production.....dozens..	105,454	107,004	113,698	129,282	102,400	153,813	131,792	−20.8	−22.3	1,682,702	1,511,849	−10.2
Shipments.....dozens..	109,841	108,461	120,297	135,197	90,684	152,258	103,290	−32.9	−12.2	1,660,599	1,539,539	−7.3
Other galvanized ware:												
Production.....dozens..	42,384	53,250	46,594	45,117	32,951	56,469	33,553	−27.0	−1.8	479,386	508,098	+6.0
Shipments.....dozens..	44,117	54,860	52,970	49,511	30,123	54,596	34,012	−39.2	−11.4	457,854	490,918	+7.2
Electrical porcelain, shipments:												
Standard.....dollars..	139,240	97,631	135,487	123,222	.....	128,255	152,143	.....	.....	[6] 846,889	[6] 1,165,805	+37.7
Special.....dollars..	168,066	165,385	171,668	176,323	.....	148,999	146,476	.....	.....	[6] 1,276,974	[6] 1,620,443	+26.9
Glazed nail knobs.....thous. of pieces..	8,301	2,794	4,146	4,404	.....	5,257	5,350	.....	.....	[6] 31,954	[6] 43,217	+35.2
Unglazed nail knobs.....thous. of pieces..	2,426	1,968	2,250	1,605	.....	3,042	2,644	.....	.....	[6] 17,705	[6] 23,492	+32.7
Tubes.....thous. of pieces..	3,330	1,870	1,729	1,645	.....	2,807	3,111	.....	.....	[6] 17,736	[6] 18,449	+4.0
Laminated phenolic products, shipments.....dollars..	1,732,023	1,915,381	1,514,902	1,644,570	.....	1,365,690	1,139,205	.....	.....	[6] 10,080,800	[6] 15,070,101	+49.5
Power switching equipment:												
New orders—												
Indoor.....dollars..	208,495	169,384	181,078	175,077	.....	108,478	120,494	.....	.....	[6] 1,390,636	[6] 1,760,141	+26.9
Outdoor.....dollars..	520,058	605,273	400,343	503,226	.....	313,285	297,449	.....	.....	[6] 3,796,602	4,706,297	+24.0
Outlet boxes and covers, shipments.....pieces..	2,587,786	2,719,688	2,542,931	2,850,984	2,036,381	3,123,321	3,071,288	−28.6	−33.7	31,010,436	28,919,991	−6.7
Vulcanized fiber:												
Shipments, total.....thous. of dolls..	878	1,029	883	942	718	649	585	−23.8	+22.7	6,873	9,257	+34.7
Consumption.....thous. of lbs..	3,489	3,803	3,411	.....	.....	2,971	2,731	.....	.....	.....	.....	.....
Industrial reflectors, sales.....units..	124,466	157,473	131,720	179,068	.....	156,243	163,491	.....	.....	[6] 1,248,038	[6] 1,424,892	+14.2
Power cables, shipments.....thous. of ft..	2,366	2,411	2,676	3,288	2,297	2,384	2,405	−30.1	−4.5	21,890	25,116	+14.7
Flexible cords:												
Shipments.....thous. of ft..	45,114	50,538	45,422	51,840	.....	54,973	63,726	.....	.....	[6] 418,981	[6] 474,861	+13.3
Stocks, end of month.....thous. of ft..	58,486	57,202	55,980	52,459	.....	43,214	39,013	.....	.....	.....	.....	.....
Welding sets, new orders:												
Single operator.....units..	282	296	341	302	248	297	218	−17.9	+13.8	2,539	3,575	+40.8
Multiple operator.....units..	5	7	9	7	7	58	24	0.0	−70.8	207	81	+60.9
Panel boards and cabinets, shipments (quarterly).....thous. of dolls..	[7] 1,192	.....	[8] 1,837	.....	.....	[9] 1,357	.....	+54.1	+35.4	.....	.....	.....
Nonmetallic conduits, shipments..thous. of ft..	7,320	6,364	6,954	8,015	.....	8,804	7,543	.....	.....	[6] 77,067	[6] 19,328	+10.0
Electric furnaces, new orders.....kilowatts..	6,932	5,114	4,105	7,208	3,218	4,719	7,171	−55.4	−55.1	56,023	83,997	+49.9
Manufactured mica:												
Shipments.....thous. of dolls..	254	274	263	274	179	302	267	−34.7	−33.0	.....	3,000	.....
Unfilled orders, end of mo..thous. of dolls..	326	275	235	206	167	326	244	−18.9	−31.6	.....	.....	.....
Delinquent accounts, electrical trade:												
Amount.....dollars..	146,166	174,438	128,059	167,129	172,495	162,564	[5] 150,278	+3.2	+14.8	.....	.....	.....
Delinquent firms.....number..	1,027	1,176	1,117	1,392	1,152	1,245	[5] 1,139	−17.2	+1.1	.....	.....	.....
AUTOMOBILES												
Production:												
United States—												
Total.....number of cars..	500,392	498,375	415,697	380,011	217,441	397,284	257,140	−42.8	−15.4	4,124,643	5,235,316	+26.9
Passenger cars.....number of cars..	426,137	441,942	364,786	320,327	169,309	339,487	216,754	−47.1	−21.9	3,616,179	4,494,813	+24.3
Taxicabs.....number of cars..	1,054	1,040	865	868	1,619	659	700	+86.5	+131.3	502,787	724,424	+44.1
Trucks.....number of cars..	73,201	55,393	50,046	58,816	46,513	57,138	39,686	−20.9	+17.2	5,677	16,079	+183.2
Canada—												
Total.....number of cars..	17,461	14,214	13,817	14,523	9,424	18,536	11,769	−35.1	−19.9	232,957	257,800	+10.7
Passenger cars.....number of cars..	13,600	11,037	10,710	8,975	7,137	13,016	8,154	−20.5	−12.5	190,007	203,072	+6.9
Trucks.....number of cars..	3,861	3,177	3,107	5,548	2,287	5,520	3,615	−58.8	−36.7	42,950	54,728	+27.4
Exports (assembled):												
From United States—												
Total.....number of cars..	55,545	42,829	33,919	32,443	25,815	46,524	46,893	−20.4	−44.9	477,991	514,982	+7.7
Passenger cars.....number of cars..	29,082	22,123	20,934	20,931	13,929	29,951	29,684	−33.5	−53.1	348,128	328,642	−5.6
Trucks.....number of cars..	26,463	20,706	12,985	11,512	11,886	16,573	17,209	+3.2	−30.9	129,863	186,340	+43.5
From Canada—												
Total.....number of cars..	7,319	7,629	6,641	9,637	5,905	9,705	8,783	−38.7	−32.8	73,102	96,845	+32.5
Passenger cars.....number of cars..	4,732	4,901	4,293	5,635	3,522	6,696	4,906	−37.5	−28.2	51,462	61,848	+20.2
Trucks.....number of cars..	2,587	2,728	2,348	4,002	2,383	3,009	3,877	−40.5	−38.5	21,640	34,997	+61.7
Shipments (General Motors Co.):												
To dealers.....number of cars..	189,428	168,185	146,483	122,104	60,977	120,876	47,587	−50.1	+28.1	1,775,365	1,859,045	+4.7
To users.....number of cars..	181,851	173,884	145,171	139,319	90,871	140,883	91,410	−34.8	−0.6	1,809,001	1,812,150	+0.2
Accessories and parts:												
Shipments—												
Original equipment..rel. to Jan., 1925..	205	193	186	160	81	200	163	−49.4	−50.3	.....	.....	.....
Replacement parts...rel. to Jan., 1925..	152	169	173	166	135	184	149	−18.7	−9.4	.....	.....	.....
Accessories.....rel. to Jan.,1925..	92	88	84	91	75	91	78	−17.6	−3.8	.....	.....	.....
Service parts.....rel. to Jan., 1925..	178	170	147	147	113	141	122	−33.1	−7.4	.....	.....	.....
Rim production.....thous. of rims..	1,897	1,570	2,110	1,647	597	2,115	1,213	−63.8	−50.8	23,143	22,022	−4.8
New passenger-car registrations:												
Total.....number of cars..	432,609	376,882	304,359	288,782	183,616	284,939	[5] 211,736	−36.4	−13.3	2,978,696	3,741,449	+25.6
Highest price group.....number of cars..	11,240	12,326	11,463	11,561	7,150	12,264	[5] 7,947	−38.2	−10.0	121,222	121,151	−0.1
Second highest group.....number of cars..	64,768	67,177	52,325	47,606	26,768	56,707	[5] 34,947	−43.8	−23.4	621,571	587,851	−5.4
Third highest group.....number of cars..	87,685	66,834	52,424	47,795	33,292	62,698	[5] 54,172	−30.3	−38.5	839,975	773,823	−7.9
Lowest price group.....number of cars..	267,878	230,023	187,846	181,450	116,252	152,533	[5] 113,801	−35.9	+2.2	1,383,673	2,253,447	+62.9
Miscellaneous.....number of cars..	1,038	522	301	370	154	737	[5] 869	−58.4	−82.3	12,255	5,213	−57.5
FUELS												
Coal and Coke												
Bituminous:												
Production—												
United States.....thous. of short tons..	40,635	43,889	44,515	51,235	45,677	51,176	[5] 46,788	−10.8	−2.4	456,662	479,158	+4.9
Canada.....thous. of short tons..	1,290	1,344	1,379	1,560	.....	1,739	[5] 1,718	.....	.....	[6] 14,313	[6] 14,220	−0.6
Exports.....thous. of long tons..	1,735	1,441	1,631	1,596	1,486	1,497	1,617	−6.9	−8.1	13,349	14,657	+9.8
Consumption—												
By vessels.....thous. of long tons..	352	339	347	343	333	333	334	−2.9	−0.3	3,533	3,561	+0.8
By electric power plants.....thous. of short tons..	3,603	3,929	[5] 3,903	[5] 4,059	3,791	3,826	[5] 3,738	−6.6	+1.4	[6] 37,480	40,908	+9.1
By railroads.....thous. of short tons..	7,155	7,500	7,580	8,444	.....	8,433	8,084	.....	.....	[6] 76,747	[6] 77,825	+1.4

[5] Revised. [6] Cumulative through Oct. 31. [7] Quarter ending June 30, 1929. [8] Quarter ending Sept. 30, 1929. [9] Quarter ending Sept. 30, 1928.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
FUELS—Continued												
Coal and Coke—Continued												
Bituminous—Continued.												
By coke plants—												
United States.....thous. of short tons..	7,588	7,571	7,153	7,389	.....	6,726	6,595	.....	.....	[6] 62,712	[6] 73,057	+16.5
Canada.....thous. of short tons..	317	315	310	324	.....	294	284	.....	.....	[6] 2,633	[6] 3,092	+17.4
Prices—												
Mine aver. (spot).dolls. per short ton..	1.67	1.77	1.83	1.90	1.87	1.83	[5] 1.85	−1.6	+1.1	.....	.....	.....
Wholesale, comp..dolls. per short ton..	3.906	3.913	3.930	3.961	3.959	4.020	4.008	−0.1	−1.2	.....	.....	.....
Retail, composite.dolls. per short ton..	8.62	8.69	8.87	8.98	9.00	8.96	9.07	+0.2	−0.8	.....	.....	.....
Anthracite:												
Production.....thous. of short tons..	4,993	5,954	6,792	8,332	6,042	8,400	[5] 7,322	−27.5	−17.5	69,234	68,982	−0.4
Exports.....thous. of long tons..	203	222	323	396	267	405	306	−32.6	−12.7	2,721	2,729	+0.8
Prices—												
Wholesale, comp...dolls. per long ton..	12.754	12.848	12.924	12.999	12.999	13.040	13.040	0.0	−0.3	.....	.....	.....
Retail, composite.dolls. per short ton..	14.63	14.67	14.87	14.98	14.98	14.98	15.06	0.0	−0.5	.....	.....	.....
Coke:												
Production, U. S.—												
Beehive.....thous. of short tons..	600	562	504	470	413	421	[5] 416	−12.1	−0.7	3,978	5,669	+42.5
By-product.....thous. of short tons..	4,614	4,643	4,413	4,610	4,305	4,219	4,133	−6.6	+4.2	43,453	49,279	+13.4
Production, Canada..thous. of short tons..	225	227	220	233	.....	210	205	.....	.....	[6] 1,890	[6] 2,228	+17.9
Exports.....thous. of long tons..	84	86	98	126	98	100	121	−22.2	−19.0	883	994	+12.6
Price, furnace,												
Connellsville.....dolls. per short ton..	2.80	2.76	2.70	2.70	2.69	2.91	2.87	−0.4	−6.3	.....	.....	.....
Petroleum												
Crude petroleum:												
Production.....thous. of bbls..	91,327	92,288	87,269	88,104	78,161	79,751	[5] 76,123	−11.3	+2.7	821,971	925,264	+12.6
Stocks at end of month—												
Total (comparable).....thous. of bbls..	383,343	386,677	386,662	384,502	380,393	367,949	[5] 367,622	−1.1	+3.5	.....	.....	.....
Tank farms and pipe lines.....thous. of bbls..	335,232	339,679	341,557	339,639	336,158	328,143	[5] 326,855	−1.0	+2.8	.....	.....	.....
Refineries.....thous. of bbls..	48,111	46,998	45,105	44,863	44,235	39,806	[5] 40,767	−1.4	+8.7	.....	.....	.....
California—												
Light.....thous. of bbls..	34,430	37,685	40,433	42,041	41,571	16,684	[5] 16,524	−1.1	+151.6	.....	.....	.....
Heavy.....thous. of bbls..	105,646	108,362	110,010	111,076	110,718	97,025	[5] 97,439	−0.3	+13.6	.....	.....	.....
Imports.....thous. of bbls..	6,122	5,800	6,953	5,766	4,535	6,703	6,908	−21.3	−34.4	72,960	73,028	+0.1
Consumption (run to stills)..thous. of bbls..	85,919	86,733	84,099	88,390	81,061	79,663	[5] 77,149	−8.3	+5.1	833,775	907,045	+8.8
Refinery operations....per ct. of capacity..	81	81	80	79	75	82	81	−5.1	−7.4	.....	.....	.....
Price, Kansas-Oklahoma....dolls. per bbl..	1.300	1.300	1.300	1.300	1.300	1.210	1.210	0.0	+7.4	.....	.....	.....
Oil wells completed.....number..	1,420	1,671	1,440	1,535	1,404	1,206	[5] 1,187	−8.5	+18.3	11,456	14,549	+27.0
Mexico—												
Production.....thous. of bbls..	3,906	4,091	3,986	.....	.....	3,904	3,724	.....	.....	.....	.....	.....
Exports.....thous. of bbls..	2,483	2,511	2,586	.....	.....	2,731	2,199	.....	.....	.....	.....	.....
Venezuela—												
Production.....thous. of bbls..	10,793	11,394	11,338	11,591	.....	10,520	11,291	.....	.....	[6] 84,538	[6] 113,147	−33.8
Exports.....thous. of bbls..	10,731	10,897	10,146	10,717	.....	9,283	9,660	.....	.....	[6] 80,947	[6] 101,443	+25.3
Gasoline:												
Production—												
Raw (at refineries).....thous. of bbls..	37,855	38,510	37,152	39,663	37,350	34,415	[5] 33,065	−5.8	+13.0	343,011	397,107	+15.8
Natural gas (at plants)..thous. of bbls..	4,417	4,507	4,574	4,912	4,505	3,931	[5] 3,769	−8.3	+19.5	38,597	47,815	+23.9
Exports.....thous. of bbls..	5,925	5,491	4,233	5,896	3,938	3,919	4,610	−33.2	−14.6	48,821	53,774	+10.1
Consumption.....thous. of bbls..	36,860	37,759	34,193	32,816	31,502	30,696	[5] 25,941	−4.0	+21.4	301,913	345,302	+14.4
Stocks, end of month—												
Raw (at refineries).....thous. of bbls..	37,880	33,788	33,222	35,042	37,780	26,435	[5] 29,185	+7.8	+29.5	.....	.....	.....
Natural gas (at plants)..thous. of bbls..	1,156	893	661	490	514	402	[5] 405	+4.9	+26.9	.....	.....	.....
Prices—												
Wholesale, New York...dolls. per gal..	.190	.188	.166	.165	.165	.180	.180	0.0	8.3	.....	.....	.....
Retail, wagon, 50 cities..dolls. per gal..	.158	.157	.160	.158	.....	.163	.160	.....	.....	.....	.....	.....
Retail distribution, 41 States.thous. of gals..	1,025,173	1,101,808	982,595	964,087	.....	893,735	805,020	.....	.....	[6] 8,206,714	[6] 8,877,065	+8.2
Kerosene:												
Production.....thous. of bbls..	4,406	5,111	4,667	5,379	4,829	5,145	[5] 4,935	−10.2	−2.1	54,585	52,306	.....
Exports.....thous. of bbls..	1,281	2,034	1,101	2,237	1,302	1,749	2,087	−41.8	−37.6	20,623	18,140	−12.0
Consumption.....thous. of bbls..	2,684	3,189	3,387	3,136	3,040	3,405	[5] 2,591	−3.1	+17.3	32,800	33,790	+3.0
Stocks at refineries, end mo.thous. of bbls..	8,797	8,689	8,864	8,865	9,366	8,633	[5] 8,886	+5.7	+5.4	.....	.....	.....
Price, 150° water white.....dolls. per gal..	.069	.068	.070	.072	.073	.082	.080	+1.4	−8.7	.....	.....	.....
Gas and fuel oils:												
Production.....thous. of bbls..	37,980	39,011	37,468	38,974	36,134	37,029	[5] 35,871	−7.3	+0.7	389,744	411,633	+5.6
Consumption—												
By vessels.....thous. of bbls..	4,593	4,734	4,424	4,540	4,110	4,558	4,235	−9.5	−3.0	47,038	48,178	+2.4
By electric pow. plants.thous. of bbls..	701	794	[5] 820	[5] 1,079	1,181	619	632	+9.5	+86.9	6,312	8,980	+42.3
By railroads.....thous. of bbls..	4,477	4,326	4,375	4,961	.....	4,877	4,490	.....	.....	.....	.....	.....
Price, Okla. 24-26, refineries.dolls. per bbl..	.695	.744	.775	.838	.863	.650	.650	+3.0	+32.8	.....	.....	.....
Lubricating oil:												
Production.....thous. of bbls..	2,936	3,143	2,852	2,885	2,555	2,979	2,748	−11.4	−7.0	31,666	31,594	−0.2
Consumption.....thous. of bbls..	2,167	2,268	2,054	1,378	1,858	2,122	[5] 1,763	+34.8	+5.4	21,438	21,838	+1.9
Stocks at refineries, end mo.thous. of bbls..	7,524	7,478	7,589	8,021	8,117	7,830	7,921	+1.2	+2.5	.....	.....	.....
Price, cylinder oil.....dolls. per gal..	.388	.238	.369	.365	.335	.240	.246	−8.2	+36.2	.....	.....	.....
Asphalt:												
Production.....thous. of short tons..	386	379	365	356	247	320	244	−30.6	+1.2	3,128	3,282	+4.9
Stocks, end of month.thous. of short tons..	243	247	231	227	234	210	228	+3.1	+2.6	.....	.....	.....
Imports.....thous. of short tons..	3	[5] 20	[5] 13	[5] 17	7	[5] 12	[5] 12	−58.8	−41.7	108	106	−1.9
Coke:												
Production.....thous. of short tons..	158	169	161	172	155	125	131	−9.9	+18.3	1,293	1,636	+2.65
Stocks, end of month.thous. of short tons..	564	608	649	672	688	404	419	+2.4	+64.2	.....	.....	.....
Wax:												
Production.....thous. of lbs..	46,171	53,377	44,513	56,377	50,775	54,546	56,665	−9.9	−10.4	575,459	580,970	+1.0
Stocks, end of mo.....thous. of lbs..	191,298	190,878	183,714	189,094	185,559	92,814	[5] 103,949	−1.9	+78.5	.....	.....	.....

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
RUBBER												
Crude Rubber												
World shipments, plantation ..... long tons	71,562	70,532	77,997	73,853	.....	43,748	91,860	.....	.....	[6] 462,792	[6] 720,358	+55.7
Imports (including latex) ..... long tons	44,338	37,851	34,814	38,454	43,901	44,072	36,624	+14.2	+19.9	393,137	520,384	+32.4
Consumption by tire mfrs ..... thous. of lbs	52,249	45,459	39,981	41,775	.....	58,302	48,819	.....	.....	[6] 510,000	[6] 541,081	+6.1
Consumption (quarterly):												
Total ..... long tons	[7] 128,149	.....	[8] 104,646	.....	.....	[9] 108,167	.....	−18.3	−3.3	[10] 298,660	[10] 351,075	+17.6
For tires ..... long tons	[7] 111,068	.....	[8] 87,060	.....	.....	[9] 93,173	.....	−21.6	−6.6	[10] 255,367	[10] 300,219	+17.6
World stocks, end of month:												
World total ..... long tons	255,247	[5] 259,764	[5] 270,784	277,865	.....	177,776	222,795	.....	.....	.....	.....	.....
United States ..... long tons	95,536	90,769	84,362	88,483	92,219	66,421	61,957	+4.2	+48.8	.....	.....	.....
Europe ..... long tons	37,168	44,976	[5] 54,417	64,585	.....	27,966	22,328	.....	.....	.....	.....	.....
Producing countries ..... long tons	39,191	36,802	37,753	37,902	33,142	15,489	29,110	−12.6	+13.9	.....	.....	.....
Afloat ..... long tons	83,412	87,217	94,252	86,895	.....	67,900	109,400	.....	.....	.....	.....	.....
Stocks, end of quarter:												
Total ..... long tons	[7] 95,519	.....	[8] 82,507	.....	.....	[9] 68,729	.....	−13.6	+20.0	.....	.....	.....
Manufactures ..... long tons	[7] 70,598	.....	[8] 51,979	.....	.....	[9] 54,428	.....	−26.4	−4.5	.....	.....	.....
Dealers ..... long tons	[7] 24,921	.....	[8] 30,530	.....	.....	[9] 14,301	.....	+22.5	+113.5	.....	.....	.....
Afloat ..... long tons	[7] 42,719	.....	[8] 47,413	.....	.....	[9] 43,492	.....	+11.0	+17.6	.....	.....	.....
Wholesale price, smoked sheets, New York ..... dolls. per pound	.213	.206	.202	.196	.166	.187	.182	−15.3	−8.8	.....	.....	.....
Tires and Tubes												
Pneumatic tires:												
Production ..... thousands	4,856	4,354	[5] 3,568	[5] 3,689	2,654	5,495	4,556	−28.1	−41.7	54,335	52,486	−3.4
Stocks, end of month ..... thousands	11,872	10,669	[5] 9,656	[5] 9,633	9,670	8,640	9,434	+0.4	+2.5	.....	.....	.....
Shipments—												
Domestic ..... thousands	5,891	5,884	[5] 4,499	[5] 3,720	2,471	4,096	3,539	−3.6	−30.2	50,580	53,455	+5.7
Export ..... thousands	168	217	[5] 168	199	173	191	209	−3.1	−17.2	1,780	2,198	+23.5
Inner tubes:												
Production ..... thousands	4,634	4,385	[5] 4,152	[5] 3,982	2,828	5,197	4,198	−29.0	−32.6	56,287	52,251	−7.2
Stocks, end of month ..... thousands	12,249	10,618	[5] 10,068	[5] 10,242	10,302	11,464	11,820	+0.6	−12.8	.....	.....	.....
Shipments—												
Domestic ..... thousands	5,993	6,137	[5] 4,687	[5] 3,751	2,675	4,138	3,618	−28.7	−26.1	53,108	52,699	−0.8
Export ..... thousands	91	109	[5] 125	[5] 122	109	108	133	−10.7	−18.0	1,137	1,407	+23.7
Solid and cushion:												
Production ..... thousands	39	32	[5] 28	[5] 22	28	47	36	+27.3	−22.2	482	366	−24.1
Stocks, end of month ..... thousands	129	118	[5] 111	[5] 91	113	153	151	+24.2	−25.2	.....	.....	.....
Shipments—												
Domestic ..... thousands	39	40	[5] 34	[5] 23	23	43	34	0.0	−32.4	450	376	−16.4
Exports ..... thousands	2	3	2	2	2	3	3	0.0	−33.3	40	26	−35.0
Other Rubber Products												
Reclaimed rubber (quarterly):												
Production ..... long tons	[7] 57,760	.....	[8] 53,977	.....	.....	[9] 52,823	.....	−6.5	+2.2	[10] 155,044	[10] 165,289	+6.6
Stocks, end of quarter ..... long tons	[7] 16,446	.....	[8] 18,805	.....	.....	[9] 14,963	.....	+14.3	+25.7	.....	.....	.....
Scrap rubber (quarterly):												
Stocks at reclaimers ..... long tons	[7] 61,429	.....	[8] 78,942	.....	.....	[9] 61,016	.....	+28.5	+29.4	.....	.....	.....
Consumption by reclaimers ..... long tons	[7] 74,292	.....	[8] 75,123	.....	.....	[9] 66,298	.....	+1.1	+13.3	[10] 195,754	[10] 220,416	+12.6
Rubber-proofed fabrics, production:												
Total ..... thous. of yds	4,260	5,085	5,507	6,116	.....	5,914	4,173	.....	.....	[6] 34,948	[6] 44,045	+26.0
Auto fabrics ..... thous. of yds	1,188	1,349	1,120	778	540	609	701	−30.6	−23.0	8,524	10,385	+21.8
All other ..... thous. of yds	1,208	1,317	1,324	1,720	.....	1,296	1,025	.....	.....	[6] 8,924	[6] 13,175	+47.6
Raincoat fabrics ..... thous. of yds	1,864	2,419	3,063	3,618	.....	4,009	2,447	.....	.....	[6] 18,201	[6] 21,025	+15.5
Rubber heels:												
Production ..... thous. of pairs	19,315	23,095	21,702	22,386	.....	21,932	18,686	.....	.....	[6] 200,673	[6] 199,482	−0.6
Shipments—												
To shoe manufacturers ..... thous. of pairs	13,785	14,942	13,645	13,746	.....	9,813	8,602	.....	.....	[6] 101,105	[6] 123,821	+22.5
To repair trade ..... thous. of pairs	6,337	8,025	7,859	7,994	.....	9,580	7,921	.....	.....	[6] 80,624	[6] 74,052	−8.2
For export ..... thous. of pairs	794	1,098	1,054	920	.....	1,262	1,317	.....	.....	[6] 8,979	[6] 10,628	+18.4
Stocks, end of month ..... thous. of pairs	44,243	43,960	42,958	42,109	.....	50,111	48,691	.....	.....	.....	.....	.....
Rubber soles:												
Production ..... thous. of pairs	1,295	2,948	2,841	3,502	.....	2,297	2,649	.....	.....	[6] 32,225	[6] 28,096	−12.8
Shipments—												
To shoe manufacturers ..... thous. of pairs	1,272	2,548	2,185	2,691	.....	1,655	1,906	.....	.....	[6] 18,842	[6] 22,222	+17.9
To repair trade ..... thous. of pairs	163	517	693	647	.....	958	885	.....	.....	[6] 9,300	[6] 6,121	−34.2
For export ..... thous. of pairs	70	78	47	90	.....	328	63	.....	.....	[6] 2,246	[6] 571	−34.6
Stocks, end of month ..... thous. of pairs	2,895	3,319	3,241	3,443	.....	5,212	4,723	.....	.....	.....	.....	.....
Mechanical rubber goods:												
Shipments—												
Total ..... thous. of dolls	6,306	6,792	5,906	5,887	.....	5,837	5,201	.....	.....	[6] 58,632	[6] 65,087	+11.0
Belting ..... thous. of dolls	1,645	1,940	1,490	1,477	.....	1,387	1,203	.....	.....	[6] 14,477	[6] 15,895	+9.8
Hose ..... thous. of dolls	2,355	2,196	1,964	2,135	.....	2,026	1,811	.....	.....	[6] 21,799	[6] 24,083	+10.5
All other ..... thous. of dolls	2,305	2,656	2,452	2,274	.....	2,424	2,186	.....	.....	[6] 22,376	[6] 25,118	+12.3
Rubber bands, shipments ..... thous. of lbs	192	196	189	216	.....	216	201	.....	.....	[6] 1,935	[6] 2,163	+11.8
Rubber flooring, shipments ..... thous. of sq. ft	566	598	630	543	517	559	566	−4.8	−8.7	6,385	6,161	−3.5
Calendered rubber clothing:												
Production ..... no. coats and sundries	89,871	96,281	93,444	99,588	.....	106,005	93,080	.....	.....	[6] 1,018,344	[6] 854,308	−16.1
Net orders ..... no. coats and sundries	60,921	37,906	49,940	76,194	.....	75,482	45,876	.....	.....	[6] 709,038	[6] 599,557	−15.4
HIDES AND LEATHER												
Hides												
Imports:												
Total hides and skins ..... thous. of lbs	49,910	47,956	51,903	48,489	50,958	35,982	24,720	+5.1	+106.1	475,522	473,528	−0.4
Calfskins ..... thous. of lbs	5,636	4,900	3,178	4,886	3,542	4,310	2,690	−27.5	+31.7	41,041	43,197	+5.2
Cattle hides ..... thous. of lbs	24,259	28,137	29,132	28,264	28,227	17,883	10,103	−0.1	+179.4	262,363	239,567	−8.7
Goatskins ..... thous. of lbs	9,361	7,692	8,893	6,434	9,838	7,993	5,773	+52.9	+70.4	84,228	93,798	+11.4
Sheepskins ..... thous. of lbs	6,849	4,405	7,336	5,091	5,032	3,785	4,517	−1.2	+11.4	59,149	61,981	+4.8

[5] Revised.
[6] Cumulative through Oct. 31.
[7] Quarter ending June 30, 1929.
[8] Quarter ending Sept. 30, 1929.
[9] Quarter ending Sept. 30, 1928.
[10] Cumulative through Sept. 30.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−) Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−) Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30 1928	Cumulative total from Jan. 1 through Nov. 30 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
HIDES AND LEATHER—Continued												
Hides—Continued												
Stocks, end of month:												
Total hides and skins ..... thous. of lbs.	248,549	253,415	253,680	259,050	.....	253,921	259,330	.....	.....	.....	.....	.....
Cattle hides ..... thous. of lbs.	194,453	202,564	203,304	208,910	.....	209,902	215,668	.....	.....	.....	.....	.....
Calf and kip skins ..... thous. of lbs.	30,951	28,141	27,071	27,596	.....	23,118	22,946	.....	.....	.....	.....	.....
Sheep and lamb skins ..... thous. of lbs.	23,145	22,710	23,305	22,544	.....	20,901	20,716	.....	.....	.....	.....	.....
Prices:												
Green salted, packers' heavy native steers ..... dolls. per lb.	.181	.188	.196	.186	.164	.219	.223	−11.8	−26.5	.....	.....	.....
Calfskins, country, No. 1 ..... dolls. per lb.	.199	.198	.204	.197	.179	.246	.242	−9.1	−26.0	.....	.....	.....
Inspected slaughter of livestock:												
United States—												
Cattle ..... thous. of animals	706	726	753	839	731	801	762	−12.9	−4.1	7,800	7,665	−1.7
Calves ..... thous. of animals	363	388	365	398	358	405	378	−10.1	−5.3	4,339	4,192	−3.4
Swine ..... thous. of animals	3,597	3,130	3,104	3,857	4,499	3,713	4,455	+16.6	+1.0	43,932	43,363	−1.3
Sheep ..... thous. of animals	1,255	1,298	1,317	1,365	1,159	1,409	1,189	−15.1	−2.5	12,434	13,032	+4.8
Canada—												
Cattle and calves ..... thous. of animals	105	99	98	120	114	111	106	−5.0	+7.5	1,044	1,046	+0.2
Swine ..... thous. of animals	159	160	142	207	234	200	232	+13.0	+0.9	2,309	2,130	−7.8
Sheep ..... thous. of animals	55	77	93	178	135	142	135	−24.2	0.0	589	676	+14.8
Leather												
Sole and belting leather:												
Production—												
Sole only ..... thous. of backs, bends, sides	1,176	1,300	1,178	[5] 1,302	1,242	1,447	1,264	−10.6	−1.7	14,924	13,297	−10.9
Sole and belting ..... thous. of lbs.	23,965	25,323	23,291	25,665	.....	25,711	23,184	.....	.....	[6] 246,613	[6] 235,856	−4.4
Stocks, end of month—												
In process of tanning ..... thous. of lbs.	80,641	80,587	81,574	82,679	.....	83,388	80,931	.....	.....	.....	.....	.....
Finished ..... thous. of lbs.	68,538	66,276	61,974	60,044	.....	75,188	77,363	.....	.....	.....	.....	.....
Exports ..... thous. of sq. ft.	832	782	539	583	600	825	1,063	+2.9	−43.6	9,409	9,442	+0.4
Price oak, scoured backs ..... dolls. per lb.	.51	.52	.54	.55	.55	.63	.59	0.0	−6.8	.....	.....	.....
Upper leather:												
Production ..... thous. of sq. ft.	71,323	82,954	70,054	80,473	.....	72,092	62,619	.....	.....	[6] 684,906	[6] 695,544	+1.6
Stocks, end of month—												
In process of tanning ..... thous. of sq. ft.	141,207	147,678	147,478	147,328	.....	143,265	138,803	.....	.....	.....	.....	.....
Finished ..... thous. of sq. ft.	230,871	216,406	209,520	217,384	.....	251,350	253,470	.....	.....	.....	.....	.....
Exports ..... thous. of lbs.	9,267	7,736	8,264	9,007	8,378	11,174	10,268	−7.0	−18.4	124,529	104,522	−16.1
Chrome calf, "B" grades ..... dolls. per sq. ft.	.49	.49	.49	.49	.48	.55	.49	−2.0	−2.0	.....	.....	.....
Leather Products												
Shoes:												
Production ..... thous. of pairs	30,223	36,445	34,831	37,031	.....	33,393	26,443	.....	.....	[6] 296,000	[6] 311,043	+5.1
Exports ..... thous. of pairs	320	291	321	426	342	340	403	−19.8	−15.1	3,976	3,987	+0.3
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	5.00	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	255,711	292,545	285,094	318,041	284,929	236,907	223,500	−10.4	+27.5	2,372,570	2,922,890	+23.2
PAPER AND PRINTING												
Wood Pulp												
Mechanical:												
Production ..... short tons	122,946	111,878	102,202	122,923	.....	131,558	145,120	.....	.....	[6] 1,325,014	[6] 1,354,864	+2.3
Consumption and shipments ..... short tons	136,695	145,432	133,514	145,432	.....	146,383	141,775	.....	.....	[6] 1,366,136	[6] 1,395,606	+2.2
Stocks, end of month ..... short tons	171,535	137,982	106,669	88,762	.....	118,182	118,548	.....	.....	.....	.....	.....
Imports ..... short tons	18,724	24,731	20,666	27,020	21,223	23,884	19,627	−21.5	+8.1	223,708	237,277	+6.1
Chemical:												
Production ..... short tons	221,388	237,762	218,980	245,072	.....	228,434	222,934	.....	.....	[6] 2,151,628	[6] 2,306,292	+7.2
Consumption and shipments ..... short tons	220,714	235,310	219,842	244,992	.....	231,800	221,262	.....	.....	[6] 2,161,302	[6] 2,304,006	+6.6
Stocks, end of month ..... short tons	35,940	37,354	35,796	25,916	.....	40,032	40,242	.....	.....	.....	.....	.....
Imports ..... short tons	161,185	142,502	134,533	145,878	144,178	149,112	126,790	−1.2	+13.7	1,313,883	1,482,538	+12.8
Price, sulphite ..... dolls. per 100 lbs.	2.60	2.60	2.60	2.60	2.60	2.53	2.53	0.0	+2.8	.....	.....	.....
Newsprint Paper												
Production:												
United States, total ..... short tons	111,578	120,868	108,155	122,009	113,729	122,415	123,646	−6.8	−8.0	1,293,663	1,273,981	−1.5
Ratio to capacity ..... per cent	81	77	80	81	.....	81	90	.....	.....	.....	.....	.....
Canada ..... short tons	229,045	225,873	227,665	251,914	252,046	217,290	223,645	+0.1	+12.7	2,173,498	2,496,564	+3.4
Consumption by publishers ..... short tons	173,375	172,239	193,045	207,218	205,814	189,240	207,056	−0.7	−0.6	1,941,270	2,088,015	+7.6
Shipments:												
United States ..... short tons	112,616	118,789	107,495	122,040	116,725	121,729	122,761	−4.4	−4.9	1,276,120	1,287,252	+0.9
Canada ..... short tons	227,502	224,254	226,623	252,591	253,219	222,430	233,924	+0.2	+8.2	2,184,777	2,400,982	+10.0
Imports ..... short tons	210,497	209,901	196,123	221,010	221,078	200,362	201,416	+0.5	+9.8	1,947,203	2,180,326	+12.0
Exports:												
Canada ..... short tons	199,692	217,638	201,250	232,441	229,142	214,228	196,187	−1.4	+16.8	1,993,425	2,290,464	+14.9
Stocks, end of month:												
At mills—												
United States ..... short tons	23,603	25,656	26,490	26,573	23,549	36,380	34,691	−11.4	−32.1	.....	.....	.....
Canada ..... short tons	28,993	29,785	30,742	30,064	28,891	37,018	26,254	−3.9	+10.0	.....	.....	.....
At publishers ..... short tons	191,647	205,532	190,331	188,570	198,550	188,980	187,223	+5.3	+6.1	.....	.....	.....
In transit to publishers ..... short tons	44,781	44,676	52,535	51,864	61,525	45,289	53,674	+18.6	+14.6	.....	.....	.....
Price, roll, f. o. b. mill ..... dolls. per 100 lbs.	3.25	3.25	3.25	3.25	3.25	3.25	3.25	0.0	0.0	.....	.....	.....
Printing												
Book publication:												
American manufacture ..... no. of titles	501	819	739	807	873	933	765	+8.2	+14.1	7,694	7,855	+2.1
Imported ..... no. of titles	131	177	57	134	235	160	104	+75.4	+126.0	1,599	1,566	−2.1
Sales books:												
New orders ..... thous. of books	11,476	12,839	12,977	13,834	12,108	13,958	12,730	−12.5	−4.9	137,681	137,972	+0.2
Shipments ..... thous. of books	13,737	13,631	12,226	14,147	12,785	14,605	13,080	−9.6	−2.3	135,486	139,866	+3.2
Blank forms, new orders ..... thous. of sets	57,225	54,054	56,428	75,622	66,464	67,957	59,429	−12.1	+11.8	547,815	671,827	+22.6

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
PAPER AND PRINTING—Continued												
Box Board												
Operation.....thous. of inch hours..	9,045	9,601	8,553	9,496	8,482	9,430	8,843	−10.7	−4.1	93,905	100,303	+6.8
Operation.....per ct. of capacity..	79.2	81.2	81.2	80.1	772	82.8	83.9	−3.6	−8.0			
Production.....short tons..	236,377	262,307	235,962	264,631	237,508	244,894	240,124	−10.0	−1.1	2,477,079	2,726,232	+10.1
New orders.....short tons..	240,617	257,318	247,329	264,338	211,328	241,491	248,447	−20.1	−14.9	2,499,299	2,678,497	+7.2
Shipments.....short tons..	235,863	263,140	240,349	268,494	235,717	246,233	236,328	−12.2	−0.3			
Stocks, end of month.....short tons..	63,333	61,853	58,709	59,244	60,689	43,627	47,693	+2.4	+27.2			
Stocks of waste paper, end of month:												
On hand.....short tons..	175,306	171,360	174,884	185,169	193,243	127,989	136,100	+4.4	+42.0	2,472,378	2,720,792	+10.0
In transit and unshipped purchases..tons..	64,359	61,571	89,510	73,135	52,851	73,235	49,982	−27.7	+5.7			
Unfilled orders, end of month.....short tons..	88,275	82,969	87,304	85,600	67,304	81,022	93,203	−21.4	−27.8			
Consumption of waste paper.....short tons..	215,537	256,815	[5] 230,636	254,166	229,398	240,930	222,693	−9.7	+3.0	2,315,895	2,598,740	+12.2
Other Paper												
Binder's board, production.....short tons..	2,828	3,443	2,903	2,682	1,882	2,644	2,196	−29.8	−14.3	32,946	31,915	−3.1
Book paper:												
Production.....short tons..	130,768	138,614	135,842	154,860		132,633	126,001			[6] 1,258,712	[6] 1,356,546	
Ratio to capacity.....per cent..	91	93	103	104		87	90					
Shipments.....short tons..	130,245	136,951	135,434	138,290		133,429	124,615			[6] 1,250,348	[6] 1,345,820	
Stocks, end of month.....short tons..	74,998	77,248	78,020	79,580		81,579	82,395					
New orders—												
Coated....p. ct. of normal production..	82	85	87	89	82	83	84	−7.9	−2.4			
Uncoated.p. ct. of normal production..	81	77	86	92	84	86	80	−8.7	+5.0			
Unfilled orders, end of month—												
Coated....p. ct. of normal production..	10	9	10	11	8	10	10	−27.3	−20.0			
Uncoated.p. ct. of normal production..	9	8	8	8	7	8	7	−12.5	0.0			
Wrapping paper:												
Production.....short tons..	84,093	91,849	83,356	89, 77		96,907	91,249			[6] 940,949	[6] 901,586	+4.2
Ratio to capacity.....per cent..	79	83	84	80		85	87					
Shipments.....short tons..	85,755	90,655	83,939	93,620		94,900	91,286			[6] 922,814	[6] 907,687	−1.7
Stocks, end of month.....short tons..	86,233	87,104	86,518	82,588		93,416	93,203					
Fine paper:												
Production.....short tons..	37,624	38,944	36,166	41,830		39,680	37,463			[6] 383,820	[6] 393,920	+2.6
Ratio to capacity.....per cent..	85	84	88	91		84	88					
Shipments.....short tons..	36,608	39,644	34,936	40,868		39,839	36,676			[6] 382,806	[6] 396,080	+3.5
Stocks, end of month.....short tons..	47,583	46,840	48,058	48,830		53,788	54,418					
All other grades:												
Production.....short tons..	100,503	105,055	97,715	113,260		112,529	102,703			[6] 1,032,470	[6] 1,043,967	+1.1
Shipments.....short tons..	101,783	104,638	97,209	114,395		115,565	101,483			[6] 1,030,281	[6] 1,037,276	+0.7
Stocks, end of month.....short tons..	57,392	58,009	58,515	56,189		61,340	63,578					
Total paper (inc. newsprint and box board):												
Production.....short tons..	700,943	757,636	697,556	785,667		749,058	721,186			[6] 7,025,155	[6] 7,345,402	+4.6
Ratio to capacity.....per cent..	86	83	85	89		83	90					
Shipments.....short tons..	702,890	753,817	699,362	777,707		751,693	713,149			[6] 6,986,658	[6] 7,342,295	+5.1
Stocks, end of month.....short tons..	353,342	356,710	356,310	353,004		370,130	375,978					
Abrasive paper and cloth:												
Domestic sales.....reams..	88,566	100,924	99,221	91,782	69,105	98,576	91,405	−24.7	−24.4	992,595	1,017,489	+2.5
Foreign sales.....reams..	11,400	20,564	17,819	24,238	24,131	20,085	18,601	−0.4	+29.7	203,746	226,934	+11.4
Rope paper sacks, shipments...rel. to 1921–22..	85	101	95	115	102	113	107	−11.3	−4.7			
BUILDING CONSTRUCTION AND HOUSING												
Building Costs												
Building materials:												
Frame house, 6-rm. 1st of mo..rel. to 1913..	177	177	176	178	178	179	177	0.0	+0.6			
Brick house, 6-rm. 1st of mo...rel. to 1913..	182	182	182	183	182	184	182	−0.5	0.0			
Bldg. costs, 1st of mo.....rel .to 1913..	204.8	205.9	207.6	206.3	208.5	207.7	209.5	+1.1	−0.5			
Bldg. costs (*A. G. C.*), 1st of mo...rel. to 1913..	202	203	201	202	201	202	202	−0.5	−0.5			
Plumbing fixtures, 6 pieces.....dollars..	97.94	98.84	98.97	99.20	100.58	100.67	100.79	+1.4	−0.2			
Construction costs (*Am. Appraisal*):												
Frame.....rel. to 1913..	204	204	205	205	206	204	204	+0.5	+1.0			
Brick, wood frame.....rel. to 1913..	214	214	214	215	215	213	213	0.0	+0.9			
Brick, steel frame.....rel. to 1913..	197	197	197	198	198	197	197	0.0	+0.5			
Reinforced concrete.....rel. to 1913..	200	201	201	202	202	201	201	0.0	+0.5			
Contracts and Losses												
Contracts awarded (36 States):												
Commercial buildings.....thous. of sq. ft..	12,873	13,481	12,612	12,611	13,180	13,194	13,050	+4.5	+1.0	139,312	146,927	+5.5
Industrial buildings.....thous. of sq. ft..	9,563	10,148	7,585	9,041	6,913	9,705	6,518	−23.5	+6.1	85,446	93,079	+8.9
Residential buildings.....thous. of sq. ft..	36,161	28,339	24,354	27,478	20,670	48,298	40,532	−24.8	−49.0	512,138	355,283	−30.6
Educational buildings.....thous. of sq. ft..	6,525	5,190	4,914	5,461	3,796	4,876	4,290	−30.5	−11.5	56,490	55,184	−2.3
Other public and semi-public buildings.....thous. of sq. ft..	5,743	5,896	6,953	7,255	4,455	6,477	5,218	−38.6	−14.6	65,361	57,337	−12.3
Grand total.....thous. of sq. ft..	71,320	63,876	57,152	62,590	49,238	82,905	70,599	−21.3	−30.2	864,627	715,371	−17.3
Contracts awarded, value (36 States):												
Commercial buildings.....thous. of dolls..	88,137	68,365	71,590	63,682	99,072	63,263	65,469	+55.6	+51.3	783,207	859,313	+9.7
Industrial buildings.....thous. of dolls..	66,318	71,820	52,090	59,507	38,085	61,170	35,434	−36.0	+7.5	568,956	672,909	+18.3
Residential buildings.....thous. of dolls..	194,754	142,049	114,184	131,809	110,848	234,654	194,028	−15.9	−42.9	2,540,380	1,761,293	−30.7
Educational buildings.....thous. of dolls..	46,333	31,149	29,034	35,970	24,914	30,746	28,719	−30.7	−13.2	361,457	350,823	−2.9
Other public and semi-public buildings.....thous. of dolls..	49,537	42,762	49,307	54,998	36,344	46,820	40,079	−33.9	−9.3	521,618	469,076	−10.1
Public works and utilities.thous. of dolls..	179,897	114,766	114,146	80,206	68,811	146,041	88,503	−14.2	−22.3	1,213,258	1,134,746	−6.5
Grand total.....thous of dolls..	624,976	470,910	430,351	426,171	378,074	582,693	452,234	−11.3	−16.4	5,988,976	5,249,454	−12.3
Contracts awarded, Canada....thous. of dolls..	57,941	58,622	46,959	57,084	45,376	44,585	29,038	−20.5	+56.3	453,128	544,104	+20.1
Building volume (*A. G. C.*).....rel. to 1913..	218	239	259	233	225	243	222	−3.4	+1.4			
Fire losses:												
United States and Canada, (*Journal of Commerce*)...thous. of dolls..	31,528	27,504	21,422	29,072	28,256	22,414	[5] 20,588	−2.8	+37.2	270,064	301,556	+11.7
Canada (*Monetary Times*)..thous. of dolls..	5,027	3,776	2,040	3,777	3,864	1,795	1,662	+2.3	+132.5	22,633	34,281	+51.5

[5] Revised. [6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
LUMBER PRODUCTS												
Softwood Lumber												
Southern pine:												
Production (computed) M ft. b. m.	393,932	400,274	359,757	384,227	342,631	427,623	396,256	−10.8	−13.5	4,612,464	4,265,279	−7.5
Operation per cent of full time	81	83	83	82	75	90	86	−8.5	−12.8			
Shipments (computed) M ft. b. m.	377,571	384,203	347,704	375,228	313,137	464,558	413,295	−16.5	−24.2	4,882,672	4,175,717	−14.5
New orders (computed) M ft. b. m.	379,217	378,878	344,703	368,296	290,667	444,566	392,674	−21.1	−26.0	4,879,137	4,146,267	−15.0
Stocks, end of mo. (computed) M ft. b. m.	1,001,899	1,017,970	1,030,023	1,039,022	1,068,516	954,846	952,395	+2.8	+12.2			
Unfilled orders, end mo. (comp.) M ft. b. m.	294,793	289,468	286,467	279,535	257,065	320,883	300,262	−8.0	−14.4			
Exports, lumber M ft. b. m.	57,275	52,630	43,087	51,811	48,363	75,504	61,759	−6.7	−21.7	646,670	616,726	−4.6
Exports, timber M ft. b. m.	17,474	9,300	14,874	11,315	7,283	14,104	7,562	−35.4	−3.7	154,318	113,882	−26.2
Price, flooring dolls. per M ft. b. m.	37.27	37.43	36.76	39.50	36.00	37.73	37.58	−8.9	−4.2			
Douglas fir:												
Production (computed) M ft. b. m.	302,162	353,642	315,592	312,011	309,772	337,527	310,220	−0.7	−0.1	4,635,843	3,603,119	−22.3
Shipments (computed) M ft. b. m.	319,621	333,498	293,209	300,372	266,351	301,267	269,484	−11.3	−1.2	4,808,995	3,604,015	−25.1
New orders (computed) M ft. b. m.	306,639	327,678	293,209	303,953	253,369	302,610	269,484	−16.6	−6.0	4,950,090	3,645,644	−26.5
Unfilled orders, end of month M ft. b. m.	328,574	245,311	299,924	295,895	215,319	297,686	238,149	−27.2	−9.6			
Exports, lumber M ft. b. m.	98,179	72,811	64,085	80,888	53,261	65,795	60,947	−34.2	−12.6	708,462	833,066	+17.6
Exports, timber M ft. b. m.	43,932	48,303	38,493	50,558	33,508	39,330	47,598	−33.7	−29.6	514,285	494,102	−3.9
Price, No. 1 common dolls. per M ft. b. m.	18.77	18.57	18.36	17.82	17.42	18.06	17.92	−2.2	−2.8			
Price, flooring, 1 x 4, "B" and better, V. G. dolls. per M ft. b. m.	42.73	42.96	42.79	42.42	42.13	40.61	40.88	−0.7	+3.1			
California redwood:												
Production (computed) M ft. b. m.	28,435	44,923	35,291	36,745	48,438	27,851	45,834	+31.8	+5.7	429,262	425,219	−0.9
Shipments (computed) M ft. b. m.	28,672	48,648	37,363	36,064	39,170	32,744	38,715	+8.6	+1.2	416,329	420,732	+1.1
New orders (computed) M ft. b. m.	35,657	44,930	34,086	33,080	40,579	33,115	38,848	+22.7	+4.5	422,449	435,269	+3.0
Unfilled orders, end of month (computed) M ft. b. m.	47,235	44,590	41,837	37,097	38,364	40,350	32,783	+3.4	+17.0			
California white pine:												
Production M ft. b. m.	120,968	126,934	94,983	131,790	100,037	126,086	107,501	−24.1	−6.9	1,151,300	1,089,757	−5.3
Shipments M ft. b. m.	97,302	102,334	93,900	88,363	62,585	119,074	94,587	−29.2	−33.8	1,124,307	1,060,092	−5.7
Stocks, end of month M ft. b. m.	486,416	516,220	523,772	567,326	607,775	552,422	562,528	+5.5	+8.0			
New orders M ft. b. m.	88,208	95,986	80,250	71,398	60,174	100,760	81,755	−15.7	−26.4	982,860	985,475	−0.8
Unfilled orders, end of month M ft. b. m.	150,643	162,494	153,701	172,154	172,309	183,493	181,665	+0.1	−5.2			
Northern pine:												
Lumber—												
Production M ft. b. m.	50,733	49,846	41,882	38,422	8,548	55,031	26,718	−77.8	−68.2	477,735	406,908	−14.8
Shipments M ft. b. m.	44,825	43,764	37,054	43,737	32,726	51,378	41,308	−25.2	−20.8	467,177	443,515	−5.1
New orders M ft. b. m.	40,012	42,485	30,291	35,578	20,167	41,109	30,282	−43.3	−33.4	425,802	392,025	−7.9
Lath—												
Production thousands	8,822	8,442	6,268	5,739	1,310	11,777	5,230	−77.2	−75.0	101,261	65,738	−35.1
Shipments thousands	10,083	9,258	6,509	6,892	5,008	8,937	6,560	−27.3	−23.7	92,123	85,094	−7.6
North Carolina pine:												
Production (computed) M ft. b. m.	47,831	48,993	48,132	45,878	43,995	48,090	51,198	−4.1	−14.1	540,610	596,442	+10.3
Shipments (computed) M ft. b. m.	50,946	48,230	45,605	47,264	47,096	51,590	50,218	−0.4	−6.2	562,057	588,430	+4.7
Northern hemlock:												
Production M ft. b. m.	15,359	14,908	17,079	11,943	9,230	16,425	16,359	−22.7	−43.6	183,071	158,201	−13.6
Shipments M ft. b. m.	18,614	16,020	12,859	12,378	9,328	21,042	17,139	−24.6	−45.6	188,879	145,022	−23.2
Hardwood Lumber												
Walnut lumber:												
Production M ft. b. m.	3,839	4,608	4,649	5,284	3,807	2,857	2,806	−28.0	+35.7	32,057	43,698	+36.3
Shipments M ft. b. m.	3,570	3,607	3,289	4,017	3,069	3,419	3,478	−23.6	−11.8	33,326	39,599	+18.8
Stocks, end of month M ft. b. m.	12,640	14,303	15,347	15,817	17,130	12,249	11,668	+8.3	+46.8			
New orders M ft. b. m.	2,627	3,266	3,398	3,313	2,513	4,174	3,033	−24.1	−17.1	33,203	38,013	+14.5
Unfilled orders, end of month M ft. b. m.	6,474	6,892	7,000	6,562	6,475	5,483	5,117	−1.3	+26.5			
Walnut logs:												
Purchased M ft. log measure	2,951	3,667	3,367	4,158	3,144	2,702	2,504	−24.4	+26.0	27,313	34,151	+25.0
Made into lumber and veneer M ft. log measure	3,217	3,358	3,724	3,996	2,975	2,606	2,888	−25.6	+3.0	28,197	33,518	+18.9
Stocks, end of month M ft. log measure	2,773	2,441	2,148	2,265	3,299	2,636	2,359	+45.7	+39.8			
Northern hardwoods:												
Production M ft. b. m.	24,961	22,459	17,195	14,643	13,895	16,727	21,642	−5.1	−35.8	322,717	310,262	−3.9
Shipments M ft. b. m.	24,413	27,469	24,275	22,604	18,220	31,473	30,646	−19.4	−40.5	306,861	284,211	−7.4
Lower Michigan hardwoods:												
Production M ft. b. m.	6,179	2,595	2,929	3,613		4,411	5,541			[6] 71,371	[6] 50,472	−29.3
Shipments M ft. b. m.	5,875	4,094	6,851	4,189		6,137	7,280			[6] 69,479	[6] 54,373	−21.7
Stocks, end of month M ft. b. m.	26,121	17,880	24,606	20,582		19,434	23,206					
Gum:												
Stocks, total, end of month mill. ft. b. m.	465	469	482	482	517	532	518	+7.3	−0.2			
Stocks, unsold, end of month mill. ft. b. m.	318	325	328	339	397	398	376	+17.1	+5.6			
Unfilled orders, end of month mill. ft. b. m.	147	144	154	143	134	134	142	−6.3	−5.6			
Oak:												
Stocks, total, end of month mill. ft. b. m.	955	982	1,004	1,022	1,033	918	907	+1.1	+13.9			
Stocks, unsold, end of month mill. ft. b. m.	785	802	808	823	852	746	741	+3.5	+15.0			
Unfilled orders, end of month mill. ft. b. m.	169	181	195	199	181	171	166	−9.0	+9.0			
All hardwoods:												
Production mill. ft. b. m.	311	334	334	296	259	285	289	−12.5	−10.4	2,942	3,391	+15.3
Shipments mill. ft. b. m.	278	296	311	278	221	315	368	−20.5	−28.2	3,043	3,245	+6.6
New orders mill. ft. b. m.	278	300	323	281	184	323	323	−34.5	−43.0	3,141	3,264	+3.9
Stocks, total, end of month mill. ft. b. m.	2,731	2,772	2,848	2,887	2,979	2,722	2,696	+3.2	+10.5			
Stocks, unsold, end of month mill. ft. b. m.	2,088	2,122	2,239	2,227	2,356	2,132	2,107	+5.8	+11.8			
Unfilled orders, end of month mill. ft. b. m.	643	645	678	660	622	589	589	−5.8	+5.6			
Exports, planks, joists, etc. M ft. b. m.	231,516	181,897	163,427	194,065	153,069	204,979	184,054	−21.1	−16.8	2,115,636	2,176,793	+2.9
Flooring												
Maple flooring:												
Production M ft. b. m.	6,450	6,918	7,334	7,813	5,574	8,204	8,721	−28.7	−36.1	85,533	72,478	−15.3
Shipments M ft. b. m.	7,883	8,435	7,239	6,896	4,379	8,543	6,230	−36.5	−29.7	87,340	72,991	−16.4
Stocks, end of month M ft. b. m.	21,913	20,480	20,827	22,421	23,659	21,352	21,960	+5.5	+7.7			
New orders M ft. b. m.	6,159	6,927	4,750	4,297	3,227	7,230	6,537	−24.9	−50.6	84,378	65,054	−22.9
Unfilled orders, end of month M ft. b. m.	10,431	8,881	7,641	7,095	5,717	7,940	7,157	−19.4	−20.1			

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
LUMBER PRODUCTS—Continued												
Flooring—Continued												
Oak flooring:												
Production.....M ft. b. m..	37,638	36,332	33,055	35,813	25,111	51,225	45,794	−29.9	−45.2	492,682	377,218	−23.4
Shipments.....M ft. b. m..	37,002	37,631	31,464	29,704	21,202	45,652	37,232	−28.6	−43.1	499,343	381,829	−23.5
Stocks, end of month.....M ft. b. m..	70,435	70,198	72,141	76,342	82,103	72,689	80,331	+7.5	+2.2	.....	.....	.....
New orders.....M ft. b. m..	25,901	30,972	37,388	19,743	16,420	38,132	43,753	−16.8	−62.5	504,530	353,195	−30.0
Unfilled orders, end of month.M ft. b. m..	43,895	35,937	40,417	30,887	25,810	41,151	48,052	−16.4	−46.3	.....	.....	.....
Doors at Wholesale												
Fir, manufacturing plants:												
Production.....number..	302,452	177,332	216,004	200,107	193,182	372,158	244,857	−3.5	−21.1	.....	.....	.....
Shipments.....number..	340,978	177,111	193,576	209,259	205,222	362,004	254,110	−1.9	−19.2	.....	.....	.....
Stocks, end of month.....number..	217,547	206,382	228,810	145,596	122,338	243,946	251,837	−15.9	−51.4	.....	.....	.....
New orders.....number..	204,745	164,355	225,779	194,782	176,609	285,147	253,418	−9.3	−30.3	.....	.....	.....
Unfilled orders, end of month....number..	315,566	254,210	284,191	171,315	143,807	215,872	217,608	−16.1	−33.9	.....	.....	.....
Wooden Furniture												
Household furniture and case goods:												
Shipments.....dolls., average per firm..	53,748	70,482	75,319	82,440	61,523	70,030	59,855	−25.4	+2.8	584,820	678,887	+16.1
Unfilled orders....dolls., average per firm..	64,573	77,568	84,138	62,355	42,811	50,266	51,136	−21.3	−16.3	.....	.....	.....
Grand Rapids district:												
Unfilled orders, end of month.....No. of days' production..	68	64	58	45	42	38	50	−6.7	−15.0	.....	.....	.....
New orders.....No. of days' production..	36	30	31	29	28	31	50	−3.4	−44.0	.....	.....	.....
Shipments.....No. of days' production..	24	30	32	35	27	37	35	−22.9	−22.9	.....	.....	.....
Outstanding accounts, end of month.....No. of days' sales..	46	53	58	61	57	65	65	−6.6	−12.3	.....	.....	.....
Cancellations.....per cent of new orders..	5.0	5.0	6.0	23.0	13.0	10.0	6.0	−43.5	+116.7	.....	.....	.....
Plant operation.....per cent of full time..	90.0	97.0	101.0	104.0	94.0	103.0	100.0	−9.6	−90.6	.....	.....	.....
STONE, CLAY, AND GLASS PRODUCTS												
Common brick:												
Stocks, end of month—												
Burned.....thousands..	290,044	290,265	217,451	395,919	497,099	454,931	537,712	+25.6	−7.6	.....	.....	.....
Unburned.....thousands..	95,756	110,904	224,530	284,402	291,237	91,226	287,162	+2.4	+1.4	.....	.....	.....
Shipments.....thousands..	118,834	130,982	93,677	151,723	131,919	122,078	180,360	−13.1	−26.9	2,094,627	1,454,415	−30.6
Unfilled orders, end of month..thousands..	148,289	109,564	110,215	133,083	154,766	145,427	204,189	+16.3	−24.2	.....	.....	.....
Plants closed down.....number..	17	56	26	58	115	49	67	+98.3	+71.6	.....	.....	.....
Price, red, New York.....dolls. per thous..	10.13	10.13	10.50	9.50	10.00	12.50	12.00	+5.3	−16.7	.....	.....	.....
Porcelain plumbing fixtures:												
Net new orders.....pieces..	12,153	12,168	9,524	8,548	6,228	22,665	11,715	−27.1	−46.8	244,234	120,102	−50.8
Shipments.....pieces..	11,845	13,873	9,569	8,269	8,541	17,018	14,657	+3.3	−41.7	171,463	115,434	−33.7
Unfilled orders, end of month.....pieces..	30,088	26,911	26,115	25,376	23,832	50,558	38,268	−6.1	−37.7	.....	.....	.....
Stocks, end of month.....pieces..	37,947	40,343	39,708	40,682	39,798	50,956	47,550	−2.2	−16.3	.....	.....	.....
Vitreous china plumbing fixtures:												
New orders.....pieces..	244,351	242,596	195,931	[5] 240,606	215,092	222,190	221,575	−10.6	−2.9	2,847,904	2,711,018	−4.8
Shipments.....pieces..	271,411	268,619	237,788	[5] 215,033	174,149	236,781	201,925	−19.0	−13.8	2,846,461	2,690,353	−5.5
Unfilled orders, end of month.....pieces..	411,655	385,632	343,775	[5] 369,348	410,291	303,917	323,562	+11.1	+26.8	.....	.....	.....
Stocks, end of month.....pieces..	582,314	559,418	566,776	[5] 601,832	624,472	531,119	554,422	+3.8	+12.6	.....	.....	.....
Floor and wall tile:												
Production.....thous. of sq. ft..	6,244	[5] 6,376	[5] 5,574	5,381	.....	7,636	6,429	.....	.....	[6] 59,433	[6] 60,160	+1.2
Shipments, quantity.....thous. of sq. ft..	6,459	[5] 6,797	[5] 5,423	5,090	.....	7,239	5,260	.....	.....	[6] 59,837	[6] 56,649	−5.3
Shipments, value.....thous. of dolls..	2,505	[5] 2,684	[5] 2,158	2,102	.....	2,730	2,021	.....	.....	[6] 22,725	[6] 22,088	−2.8
Stocks, end of month.....thous. of sq. ft..	18,301	[5] 17,919	[5] 18,281	18,557	.....	12,627	13,376	.....	.....	.....	.....	.....
Terra cotta, new orders:												
Quantity.....net tons..	11,756	8,606	7,784	6,566	7,396	15,597	9,998	+12.6	−26.0	139,302	110,455	−20.7
Value.....thous. of dolls..	1,183	940	817	716	784	1,460	949	+9.5	−17.4	13,189	12,035	−8.7
Sand-lime brick:												
Production.....thousands..	16,061	16,838	14,121	[5] 14,011	17,563	21,590	18,164	+25.3	−3.3	188,936	154,710	−18.1
Shipments by rail.....thousands..	4,263	4,684	3,960	[5] 4,956	5,150	5,562	4,588	+3.9	+12.2	61,913	47,016	−24.1
Shipments by truck.....thousands..	12,266	11,615	10,951	[5] 9,938	10,863	15,802	12,942	+9.3	−16.1	129,479	117,723	−9.1
Stocks, end of month.....thousands..	8,854	8,714	9,326	[5] 12,957	10,854	14,446	11,579	−16.2	−6.3	.....	.....	.....
Unfilled orders, end of month..thousands..	14,739	9,925	13,286	[5] 12,943	9,708	13,435	10,447	−25.0	−7.1	.....	.....	.....
Plywood and Veneer												
Douglas-fir plywood:												
Production.....thous. of sq. ft. of surface..	15,567	12,713	11,625	9,292	8,339	13,079	9,291	−10.3	−10.2	.....	.....	.....
Shipments.....thous. of sq. ft. of surface..	14,113	12,661	11,698	7,517	7,028	12,003	9,135	−6.5	−23.1	.....	.....	.....
New orders (sales).thous.of sq.ft.of surface..	12,149	7,863	10,377	7,134	6,405	12,654	8,336	−10.2	−68.8	.....	.....	.....
Unfilled orders, end of month..thous. of sq. ft. of surface..	12,308	8,691	5,971	4,850	4,814	6,628	5,307	−0.7	−9.3	.....	.....	.....
Stocks, end of month.....thous. of sq. ft. of surface..	7,158	7,201	7,415	9,190	10,154	7,704	7,747	+10.5	+31.1	.....	.....	.....
Other plywood:												
New orders.....thous. of sq. ft. of surface..	10,159	5,103	7,198	8,167	4,318	4,111	5,773	−47.1	−25.2	37,389	66,595	+78.1
Shipments.....thous. of sq. ft. of surface..	4,533	5,608	5,309	6,070	5,039	4,235	4,147	−17.0	+21.5	33,610	51,206	+52.4
Unfilled orders, end of month.....thous. of sq. ft. of surface..	14,934	13,123	14,691	10,748	10,104	5,817	6,778	−5.0	+49.1	.....	.....	.....
Rotary-cut veneer:												
Receipts.....number of carloads..	272	174	223	251	184	337	222	−26.7	−17.1	2,013	2,258	+12.2
Purchases.....number of carloads..	260	122	287	306	141	255	190	−53.9	−25.8	2,296	2,588	+12.7
Bushel baskets:												
Production.....dozens..	232,860	264,212	190,939	225,014	.....	156,521	114,184	.....	.....	[6] 1,976,227	[6] 2,042,620	+3.4
Shipments.....dozens..	232,154	360,050	314,904	257,942	.....	156,407	75,337	.....	.....	[6] 2,048,030	[6] 2,002,655	−2.2
Stocks, end of month.....dozens..	674,339	584,410	461,717	428,789	.....	420,671	464,733	.....	.....	.....	.....	.....

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−) Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−) Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30 1928	Cumulative total from Jan. 1 through Nov. 30 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
STONE, CLAY, AND GLASS PRODUCTS—Continued												
Portland Cement												
Production.....thous. of bbls..	17,281	18,585	17,223	16,731	14,036	17,533	15,068	−16.1	−6.8	163,779	158,932	−3.0
Operation.....per ct. of capacity..	80.4	86.1	81.8	77.0	66.6	87.1	77.4	−13.5	−14.0			
Shipments.....thous. of bbls..	20,295	23,052	19,950	18,695	11,205	19,836	11,951	−40.1	−6.2	168,071	163,455	−2.7
Stocks, end of month.....thous. of bbls..	24,525	20,056	17,325	15,381	18,213	14,579	17,769	+18.4	+2.5			
Stocks, clinker, end of month...thous. of bbls..	11,619	8,989	6,985	5,915	6,106	5,944	5,953	+3.2	+2.6			
Wholesale prices, composite.....dolls. per bbl..	1.650	1.604	1.500	1.493	1.510	1.650	1.650	+1.1	−8.5			
Highways												
Concrete pavements, new contracts:												
Total.....thous. of sq. yds..	18,022	11,969	10,220	13,151	5,358	7,068	8,430	−59.3	−36.4	139,998	132,201	−5.6
Road.....thous. of sq. yds..	11,344	7,010	5,945	9,157	3,207	3,856	5,213	−65.0	−38.5	88,366	87,510	−1.0
Federal-aid highways:												
Completed—												
Cost.....thous. of dolls..	16,445	9,729	22,469	27,504	25,131	13,413	19,025	−8.6	+32.1	151,951	168,364	+10.8
Distance.....miles..	693	442	830	996	779	508	845	−21.8	−7.8	6,552	5,887	−10.1
Under construction, end of month..miles..	8,494	8,724	8,584	8,322	7,805	9,337	8,692	−6.2	−10.2			
Plate glass												
Production, polished.....thous. of sq. ft..	13,057	14,722	14,011	14,621	12,131	11,140	11,646	−17.0	+4.2	120,069	142,016	+18.3
Glass Containers												
Actual production:												
Quantity.....gross..	2,396	2,715	2,246	2,572	2,274	2,389	2,146	−11.6	+6.0	26,477	27,168	+2.6
Relation to capacity.....per cent..	73.3	77.5	74.5	75.6	69.0	71.6	66.8	−8.7	+3.3			
New orders.....gross..	2,224	1,922	2,942	2,996	2,501	2,721	2,950	−16.5	−15.2	26,718	28,[illegible]48	+5.0
Shipments.....gross..	2,507	2,656	2,700	2,445	2,005	2,261	1,990	−18.0	+0.8	26,138	27,299	+4.4
Stock, end of month.....gross..	6,388	6,447	5,994	6,121	6,387	6,302	6,455	+4.3	−1.1			
Unfilled orders, end of month.....gross..	8,824	8,079	8,072	8,320	8,571	8,415	8,872	+3.0	−3.4			
Illuminating glassware												
Production:												
Total.....number of turns....	1,818	2,819	3,225	4,265	3,995	4,193	4,245	−6.3	−5.9	35,095	36,710	+4.6
Ratio to capacity.....per ct. of capacity..	18.7	36.4	45.3	50.2	53.2	50.5	54.2	+6.0	−1.8			
New orders.....per ct. of capacity..	40.1	42.9	46.8	52.9	44.4	53.2	51.1	−16.1	−13.1			
Shipments.....per ct. of capacity..	35.3	43.8	49.6	51.1	49.0	51.9	51.9	−4.1	−5.5			
Unfilled orders, end of month.....number of weeks' supply..	1.5	1.4	1.4	1.5	1.3	1.7	1.6	−13.3	−18.7			
Stocks, end of mo...number of weeks' supply..	5.4	4.7	4.6	4.6	4.8	4.1	4.2	+4.3	+14.3			
CHEMICALS AND OILS												
Chemicals												
Sulphuric acid:												
Exports.....thous. of lbs..	506,758	641,492	516,264	544,462	460,174	441,867	632,942	−15.5	−27.3	6,679,172	6,045,224	−9.5
Price, wholesale.....dolls. per 100 lbs..	.78	.78	.78	.78	.78	.78	.78	0.0	0.0			
Nitrate of soda:												
Imports.....long tons..	40,501	51,684	31,539	54,821	43,047	43,385	45,575	−21.5	−5.5	942,518	864,889	−8.2
Production in Chile.....metric tons..	272,300	270,300	253,200	207,800	261,000	282,300	285,900	+25.6	−8.7	2,869,900	2,875,100	+0.2
Potash salts:												
Imports (commercial).....long tons..	37,126	45,505	40,088	51,757	23,603	28,242	24,639	−54.4	−4.2	335,291	329,298	−1.8
Production in France (K_2O content).....metric tons..	41,000	42,500	39,900	44,500	.....	40,000	37,400	.....	.....	[6] 334,378	[6] 403,431	+20.7
Sales in Germany (K_2O content).....metric tons..	89,190	95,372	123,465	79,159	84,670	76,507	82,463	+6.8	+2.7	1,314,070	1,296,905	−1.3
Superphosphate (acid phosphate):												
Production.....short tons..	305,808	344,460	250,289	348,793	346,785	343,213	[5] 320,048	−0.6	+8.4	3,461,125	3,421,963	−1.1
Stocks, end of month.....short tons..	1,206,174	1,393,654	1,292,970	[5] 1,512,044	1,749,763	1,546,290	[5] 1,801,122	+15.7	−2.9			
Shipments.....short tons..	62,956	86,251	162,587	154,012	77,647	89,767	[5] 76,222	−49.6	+1.9	1,822,311	1,899,397	+4.2
Fertilizer:												
Exports.....long tons..	123,515	112,346	155,103	129,849	101,823	86,289	94,085	−21.6	+8.2	1,144,292	1,380,128	+20.6
Consumption, Southern States..short tons..	20,047	45,517	174,347	101,295	60,692	142,828	84,947	−40.1	−28.6	5,460,062	5,350,175	−2.0
Dyes and dyestuffs, exports:												
Vegetable.....thous. of lbs..	126	191	422	247	321	231	400	+30.0	−19.7	3,012	2,370	−21.3
Coal tar.....thous. of lbs..	3,180	13	39	18	20	5,194	2,436	+11.1	−99.2	30,345	5,736	−81.1
Arsenic												
Crude:												
Production.....short tons..	1,444	887	1,027	3,113	.....	1,238	1,622	.....	.....	[6] 13,648	[6] 15,898	+16.5
Stocks, end of month.....short tons..	1,998	1,876	1,777	3,309	.....	3,024	3,419	.....	.....			
Refined:												
Production.....short tons..	812	857	868	1,036	.....	835	802	.....	.....	[6] 7,462	[6] 8,863	+18.8
Stocks, end of month.....short tons..	3,305	3,414	3,180	3,672	.....	2,344	2,766	.....	.....			
Price index numbers:												
Crude drugs.....rel. to Aug., 1914..	183	179	180	180	176	195	193	−2.2	−8.8			
Essential oils.....rel. to Aug., 1914..	191	188	168	161	155	155	175	−3.7	−11.4			
Drugs and pharmaceuticals.....rel. to Aug., 1914..	173	177	177	177	177	164	164	0.0	+7.9			
Chemicals.....rel. to 1913-14..	113	112	112	112	112	113	113	0.0	−0.9			
Oils and fats.....rel. to 1913-14..	117	123	129	136	128	124	124	−5.9	+3.2			
Wood Chemicals												
Acetate of lime:												
Production—												
United States.....thous. of lbs..	10,658	11,025	10,154	[5] 12,532	.....	10,526	12,315	.....	.....	[6] 107,916	[6] 116,764	−8.3
Canada.....thous. of lbs..	720	715	421	367	1,027	999	1,242	+179.8	−17.3	8,850	9,213	+4.1
Shipments—												
United States.....thous. of lbs..	11,072	10,862	10,162	12,242	.....	10,407	13,119	.....	.....	[6] 120,551	[6] 115,788	−4.0
Canada.....thous. of lbs..	716	821	349	301	943	990	1,123	+213.3	−16.0	10,474	9,049	−13.6

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
CHEMICALS AND OILS—Continued												
Wood Chemicals—Continued												
Acetate of lime—Continued.												
Stocks, end of month—												
United States ... thous. of lbs	1,206	1,259	1,241	[5] 1,687		2,868	2,078					
Canada ... thous. of lbs	179	73	147	201	172	349	283	−14.4	−39.2			
Exports ... thous. of lbs	120				13	36	20		−35.0	11,149	221	−98.0
Price, wholesale ... dolls. per cwt	4.50	4.50	4.50	4.50	4.50	4.00	4.50	0.0	0.0			
Methanol, crude:												
Production—												
United States ... gallons	633,731	656,414	598,548	[5] 719,064		641,823	745,430			[6] 6,062,626	[6] 6,885,431	+13.6
Canada ... gallons	28,688	25,950	17,581	16,904	45,242	45,768	53,146	+167.6	−14.9	364,899	387,748	+6.3
Stocks at crude plants, end of month—												
United States ... gallons	252,749	244,185	256,356	[5] 255,204		314,171	284,685					
Canada ... gallons	21,863	20,092	17,061	12,924	14,469	34,399	19,682	−12.0	−26.5			
Stocks at refineries and in transit—												
United States ... gallons	475,698	526,172	514,572	[5] 530,710		161,723	167,012					
Canada ... gallons	78,120	63,702	65,505	47,479	30,510	57,814	53,426	−35.7	−42.9			
Exports ... gallons	95,755	33,849	49,948	12,329	83,654	20,408	34,586		+141.9	498,348	503,490	+1.0
Wood at chemical plants:												
Consumption—												
United States ... cords	68,428	70,454	63,460	75,508		65,182	73,633			[6] 613,516	[6] 720,407	+17.4
Canada ... cords	3,587	3,228	2,041	1,954	5,435	5,366	6,248	+178.1	−13.0	44,695	47,572	+6.4
Stocks, end of month—												
United States ... cords	530,264	565,119	552,338	527,210		550,412	532,516					
Canada ... cords	72,126	72,026	72,040	71,530	71,015	73,119	72,760	−0.7	−2.4			
Daily capacity—												
Total ... cords	3,276	3,264	3,264	3,246	3,246	3,486	3,485	0.0	−6.9			
Shutdown ... cords	468	475	525	289	329	668	370	+13.8	−11.1			
Methanol, refined:												
Production—												
United States ... gallons	259,118	454,160	432,094	445,183		487,384	536,782			[6] 4,778,329	[6] 4,378,356	−8.4
Canada ... gallons	10,400	43,700	27,800	56,300	58,150	56,700	39,500	+3.3	+47.2	374,850	473,250	+26.3
Stocks, end of month—												
United States ... gallons	712,752	783,674	729,932	725,620		325,914	422,640					
Canada ... gallons	31,185	37,761	21,888	14,238	44,164	23,339	21,751	+210.2	+103.0			
Shipments—												
United States ... gallons	365,438	487,153	598,551	558,179		493,712	494,047			[6] 4,935,077	[6] 4,991,195	+1.1
Canada ... gallons	21,403	22,188	31,902	48,532	46,335	48,330	42,989	−4.5	−7.8	282,575	366,997	+29.9
Price, wholesale, N. Y ... dolls. per gal	.58	.58	.58	.58	.52	.51	.58	−10.3	−10.3			
Ethyl Alcohol												
Production ... thous. of gals	16,871	20,026	20,739	25,426		20,685	19,220					
Withdrawn for denaturization ... thous. of gals	15,982	18,688	19,199	24,203		20,718	19,294			[6] 145,863	[6] 169,502	+16.3
Warehouse stocks, end of month ... thous. of gals	11,166	11,489	11,617	11,932		9,907	8,132			[6] 131,025	[6] 155,610	+18.8
Explosives												
(Black powder, permissible, and other high explosives)												
Production ... thous. of lbs	35,756	40,584	42,019	42,108	36,134	38,636	35,524	−14.2	+1.7	363,777	407,769	+12.1
Shipments ... thous. of lbs	36,811	39,163	42,299	40,246	37,068	38,854	34,293	−7.9	+8.1	364,802	409,617	+12.3
New orders ... thous. of lbs	35,499	39,580	40,141	40,295	35,554	38,847	32,723	−11.8	+8.7	345,852	398,138	+15.1
Stocks, end of month ... thous. of lbs	16,964	17,529	16,895	17,811	16,734	16,011	17,147	−6.0	−2.4			
Naval Stores												
Turpentine (gum):												
Net receipts, southern ports ... barrels	54,872	49,436	42,127	33,356	33,813	33,924	28,160	+1.4	+20.1	312,353	358,967	+14.9
Stocks at port, end of month ... barrels	65,570	63,151	65,770	67,038	68,546	79,509	83,472	+2.2	−17.9			
Price, southern, New York ... dolls. per gal	.52	.52	.55	.56	.53	.53	.59	−5.4	−10.2			
Rosin (gum):												
Net receipts, southern ports ... barrels	181,433	172,670	140,212	120,886	139,264	115,235	117,168	+15.2	+18.9	1,073,555	1,258,691	+17.2
Stocks at 3 ports, end of month ... barrels	169,420	205,955	233,215	244,767	256,895	216,917	246,178	+5.0	+4.4			
Price, B, New York ... dolls. per bbl	8.51	8.51	9.01	9.27	8.79	9.31	9.59	−5.2	−8.3			
Rosin (wood):												
Production ... barrels	37,844	38,315	36,905	40,903	40,678	36,942	35,771	−0.6	+13.7	386,886	412,904	+6.7
Stocks, end of month ... barrels	104,492	98,777	90,036	84,111	88,038	111,728	112,680	+4.7	−21.9			
Turpentine (wood):												
Production ... barrels	6,718	6,721	6,695	7,640	7,498	6,486	6,882	−1.9	+9.0	68,368	76,391	+11.7
Stocks, end ofmonth ... barrels	4,628	4,713	4,344	5,569	7,289	5,704	5,944	+30.9	+22.6			
Pine oil:												
Production ... gallons	235,892	229,388	222,112	259,017	249,603	219,525	211,960	−3.6	+17.8	2,484,824	2,522,037	+1.5
Stocks, end of month ... gallons	882,037	894,993	888,328	875,424	946,258	845,645	827,633	+8.1	+14.3			
Roofing												
Roofing, felt:												
Production, dry felt ... tons	28,188	26,665	23,997	25,502	19,249	23,930	17,424	−24.5	+10.5	266,945	287,418	+7.7
Stocks, end of month, dry felt ... tons	2,846	3,974	4,465	4,790	5,009	3,367	4,045	+4.6	+23.8			
Prepared roofing:*												
Shipments—												
Total ... no. of sqs	3,250,647	2,835,539	2,968,522	3,265,278		3,406,900	2,442,050			[6] 31,872,345	[6] 34,996,175	+9.8
Smooth roll ... no. of sqs	1,329,277	1,067,389	1,225,067	1,497,194		1,593,921	1,203,376			[6] 13,950,943	[6] 15,726,558	+12.7
Grit roll ... no. of sqs	921,540	775,935	788,207	799,307		790,063	507,315			[6] 8,317,299	[6] 8,524,771	+2.5
Shingles—												
Strip, patented, and hexagon ... no. of sqs	797,971	808,670	780,100	793,805		850,096	619,059			[6] 7,948,372	[6] 8,946,241	+12.6
Individual and single thickness ... no. of sqs	201,859	183,545	175,148	174,972		172,820	112,300			[6] 1,655,731	[6] 1,798,605	+8.0

*See table on p. 20 of the November, 1929, issue for earlier data. [5] Revised. [6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−) Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−) Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30 1928	Cumulative total from Jan. 1 through Nov. 30 1929	Per ct increase (+) or decrease (−) cumulative 1929 from 1928
CHEMICALS AND OILS—Continued												
Fats and Oils												
Total vegetable oils and copra:												
Exports ... thous. of lbs	541	1,285	2,632	3,061	3,362	3,681	5,570	+9.8	−39.6	50,078	24,829	−50.4
Imports ... thous. of lbs	73,157	109,091	82,942	[5] 88,409	67,961	82,176	71,918	−23.1	−5.5	692,763	988,265	+42.7
Copra, imports ... short tons	21,693	26,622	18,007	17,208	19,722	22,897	30,955	+14.6	−36.3	221,945	268,937	+21.2
Copra or coconut oil:												
Imports ... thous. of lbs	23,669	36,623	36,952	36,770	24,728	31,534	29,672	−32.7	−16.7	254,194	372,162	+46.4
Consumption in oleomargarine ... thous. of lbs	12,658	14,715	16,075	19,511	16,803	15,714	16,026	−13.9	+4.8	145,013	167,589	+15.6
Oleomargarine:												
Production ... thous. of lbs	24,873	28,400	30,562	36,624	33,432	30,631	30,569	−8.7	+9.4	287,590	323,363	+12.4
Consumption ... thous. of lbs	24,972	25,788	31,423	34,591	35,281	30,137	32,755	+2.0	+7.7	288,939	320,329	+10.9
Animal glues, shipments ... thous. of lbs	6,376	7,231	6,749	8,071	6,146	7,528	6,958	−23.9	−11.7	73,116	74,673	+2.1
Cottonseed												
Cottonseed:												
Receipts at mills ... short tons	29,377	239,538	920,318	1,487,577	763,046	1,536,083	[5] 1,011,656	−48.7	−24.6	4,242,598	4,216,035	−0.6
Consumption (crush) ... short tons	51,438	121,769	488,946	896,904	785,271	910,576	[5] 864,453	−12.4	−9.2	3,915,013	4,383,210	+12.0
Stocks at mills, end of month ... short tons	41,340	159,109	590,747	1,181,420	1,159,195	1,192,935	[5] 1,340,138	−1.9	−13.5			
Cottonseed oil, crude:												
Production ... thous. of lbs	18,558	35,453	149,388	276,280	245,396	282,715	[5] 271,707	−11.2	−9.7	1,242,068	1,389,613	+11.9
Stocks, end of month ... thous. of lbs	19,094	29,232	77,339	121,341	124,002	124,625	[5] 141,906	+2.2	−12.6			
Cottonseed oil, refined:												
Production ... thous. of lbs	27,680	24,376	82,859	206,597	218,269	201,483	[5] 229,312	+5.6	−4.8	1,114,989	1,263,048	+13.3
Stocks, end of month ... thous. of lbs	338,320	234,922	175,023	232,699	326,843	223,046	[5] 322,568	+40.5	+1.3			
Price, yellow, prime, New York ... dolls. per lb	.096	.094	.093	.093	.090	.099	.096	−3.2	−6.2			
Consumption in oleomargarine ... thous. of lbs	2,051	2,387	2,362	3,022	2,852	2,678	2,621	−5.6	+8.8	24,409	26,662	+9.2
Cottonseed cake and meal:												
Production ... short tons	25,971	56,311	215,663	398,987	349,335	406,795	387,002	−12.4	−9.7	1,771,741	1,972,955	+11.4
Stocks, end of month ... short tons	80,914	51,727	83,778	162,074	199,181	123,833	161,330	+22.9	+23.5			
Exports ... short tons	11,969	12,837	21,608	33,434	23,714	60,015	40,482	−29.1	−41.4	230,238	206,101	−10.5
Flaxseed												
Production, crop estimate ... thous. of bushs					[2] 16,838		[3] 19,928					
Minneapolis and Duluth:												
Receipts ... thous. of bushs	381	1,479	4,111	[5] 3,189	1,313	6,600	2,140	−58.8	−38.6	17,334	12,632	−27.1
Shipments ... thous. of bushs	340	567	1,655	1,697	1,445	2,348	2,862	−14.8	−49.5	10,425	7,328	−29.7
Stocks, end of month ... thous. of bushs	360	23	909	1,179	594	2,585	1,243	−49.6	−52.2			
Imports ... thous. of bushs	1,293	1,020	842	2,582	1,686	1,209	1,417	−34.7	+19.0	16,066	22,895	+42.5
Mill receipts at Duluth-Superior ... thous. of bushs	84	42	572	935	96	1,014	515	−89.7	−81.4	2,125	1,885	−11.3
Price, No. 1, Minneapolis* ... dolls. per bush	2.76	2.79	3.23	3.32	3.24	2.28	2.35	−2.4	+37.9			
Linseed oil:												
Shipments from Minneapolis ... thous. of lbs	14,381	10,787	14,789	13,707	8,467	15,437	13,622	−38.2	−37.8	162,484	150,176	−7.6
Price, New York ... dolls. per lb	.120	.129	.155	.159	.150	.101	.102	−5.7	+47.1			
Linseed cake and meal:												
Shipments from Minneapolis ... thous. of lbs	12,215	15,683	27,415	30,466	17,442	30,071	31,468	−42.7	−44.6	248,696	207,154	−16.7
Exports ... thous. of lbs	40,428	37,437	29,770	26,211	26,552	51,894	44,131	+1.3	−39.8	515,081	342,842	−33.4
FOODSTUFFS												
Wheat												
Visible supply, end of month:												
United States ... thous. of bushs	142,855	190,911	198,982	202,781	191,833	138,239	140,775	−5.4	+36.3			
Canada ... thous. of bushs	103,315	96,224	156,620	213,381	217,102	158,204	173,890	+1.7	+24.9			
Production, crop estimate:												
Winter wheat ... thous. of bushs					[2] 578,336		[3] 578,673					
Spring wheat ... thous. of bushs					[2] 228,172		[3] 336,203					
Total, wheat ... thous. of bushs					[2] 806,508		[3] 914,876					
Receipts, principal markets ... thous. of bushs	94,158	101,669	47,046	36,256	20,625	84,423	43,532	−43.1	−52.6	489,824	440,012	−10.2
Shipments, principal markets ... thous. of bushs	42,577	60,983	32,134	27,116	24,121	30,365	35,627	−11.0	−32.3	284,107	293,712	+3.4
Exports:												
United States—												
Wheat only ... thous. of bushs	8,691	12,094	13,104	8,767	9,977	22,058	10,561	+13.8	−5.5	88,629	82,980	−6.4
Including wheat flour ... thous. of bushs	13,575	16,935	18,335	14,664	17,542	28,272	15,955	+19.6	+9.9	138,170	142,152	+2.9
Canada—												
Including wheat flour ... thous. of bushs	20,538	13,050	9,624	23,215	24,866	48,957	80,633	+7.1	−69.2	360,504	235,105	−34.8
Prices:												
No. 1, Northern Spring, Minneapolis* ... dolls. per bush	1.43	1.35	1.35	1.31	1.28	1.16	1.16	−2.3	+10.3			
No. 2 Red Winter, St. Louis* ... dolls. per bush	1.39	1.32	1.35	1.32	1.29	1.44	1.45	−2.3	−11.0			
No. 2 Hard Winter, Kansas City* ... dolls. per bush	1.25	1.23	1.24	1.22	1.19	1.10	1.12	−2.5	+6.3			
Wheat Flour												
Grindings of wheat:												
United States ... thous. of bushs	42,895	50,725	47,583	[5] 50,445	43,859	52,890	45,289	−13.1	−3.2	479,203	487,616	+1.8
Canada ... thous. of bushs	7,247	7,178	5,745	6,814	7,261	9,473	9,690	+6.6	−25.1	82,780	79,146	−4.4
Production:												
United States, actual ... thous. of bbls	9,337	11,058	10,372	[5] 10,968	9,525	11,587	9,909	−13.2	−3.9	103,860	106,389	+2.4
United States, prorated ... thous. of bbls	10,449	12,562	11,870	12,153		13,316	11,200			[6] 105,311	[6] 108,678	+3.2
Canada ... thous. of bbls	1,603	1,607	1,283	1,528	1,629	2,130	2,175	+6.6	−25.1	18,119	17,482	−3.5
Grain offal, production ... thous. of lbs	746,628	882,931	831,523	[5] 886,004	774,886	910,900	780,189	−12.5	−0.7	8,378,677	8,493,835	+1.4
Capacity operated, flour mills ... per cent	55	62	66	62	58	66	61	−6.5	−4.9			
Consumption (computed) ... thous. of bbls	8,365	11,686	10,006	11,642		12,536	10,401			[6] 93,704	[6] 95,886	+2.3
Stocks, all positions, end of month (computed) ... thous. of bbls	10,084	8,800	9,500	8,700		7,900	7,500					

* See table on pp. 21 and 22 of the November, 1929, issue for earlier data.

[2] As of Dec. 1.

[3] Final estimate for 1928.

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
FOODSTUFFS—Continued												
Wheat Flour—Continued												
Exports:												
United States ... thous. of bbls	1,085	1,076	1,163	1,311	1,156	1,381	1,199	−11.8	−3.6	11,010	12,624	+14.7
Canada ... thous. of bbls	782	643	492	554	538	1,171	1,159	−2.9	−53.6	9,814	8,915	−9.2
Wholesale prices:												
Standard patents, Minn ... dolls. per bbl	7.69	7.31	7.17	6.91	6.69	6.41	6.23	−3.2	+7.4			
Winter, straights, Kansas City ... dolls. per bbl	6.31	6.24	6.10	6.01	5.92	5.59	5.53	−1.5	+7.1			
Corn												
Production, crop estimate ... thous. of bushs					[2] 2,622,189		[3] 2,818,901					
Exports, including meal ... thous. of bushs	850	895	693	732	752	870	2,124	+2.7	−64.6	20,612	33,978	+64.8
Visible supply, end of month ... thous. of bushs	9,493	5,765	4,638	3,924	3,646	2,271	7,223	−7.1	−49.5			
Receipts, principal markets ... thous. of bushs	21,205	19,023	19,532	18,303	18,526	13,323	26,921	+1.2	−31.2	288,335	235,753	−18.2
Shipments, prin. markets ... thous. of bushs	15,644	13,643	11,082	11,075	9,287	9,044	11,868	−16.1	−21.7	193,901	157,094	−19.0
Grindings (starch, glucose) ... thous. of bushs	6,558	7,672	7,913	8,721	6,453	7,725	7,535	−26.0	−14.4	80,374	80,564	+0.2
Prices:												
No. 3, Yellow, Chicago* ... dolls. per bush	.99	1.01	1.01	.95	.88	.96	.84	−7.4	+4.8			
No. 3, Yellow: Kansas City ... dolls. per bush	.93	.99	.92	.92	.87	.86	.82	−5.4	+6.1			
No. 3, White, Chicago* ... dolls. per bush	1.00	1.01	1.02	.96	.87	.98	.84	−9.4	+3.6			
Barley												
Production, crop estimate ... thous. of bushs					[2] 307,105		[3] 357,487					
Receipts, principal markets ... thous. of bushs	4,849	18,666	7,807	5,554	3,808	16,797	7,377	−31.4	−48.4	96,022	63,557	−33.8
Visible supply, end of month ... thous. of bushs	5,518	9,805	9,519	9,877	9,886	8,962	9,627	+0.1	+2.7			
Exports ... thous. of bushs	4,120	4,624	6,209	1,795	1,038	11,639	5,263	−42.2	−80.3	50,724	31,429	−38.0
Price, No. 2, Minneapolis* ... dolls. per bush	.69	.61	.60	.59	.60	.63	.62	+1.7	−3.2			
Oats												
Production, crop estimate ... thous. of bushs					[2] 1,238,654		[3] 1,439,407					
Receipts, principal markets ... thous. of bushs	10,123	36,320	13,833	15,336	7,098	13,872	10,834	−53.7	−34.5	143,085	139,138	−2.8
Visible supply, end of month ... thous. of bushs	8,129	25,897	28,809	32,069	29,720	17,882	16,935	−7.3	+75.5			
Exports, including meal ... thous. of bushs	255	837	1,080	917	722	1,653	822	−21.3	−12.2	9,632	6,603	−31.4
Price, No. 3, white, Chicago* ... dolls. per bush	.47	.43	.48	.47	.45	.42	.44	−4.3	+2.3			
Grindings, Canada ... thous. of bushs	854	1,101	975	1,156	908	1,292	1,112	−21.5	−18.3	10,507	10,239	−2.6
Production, oatmeal and rolled oats, Canada ... thous. of lbs	12,145	14,228	12,263	14,632	10,457	17,760	13,988	−28.5	−25.2	138,040	128,599	−6.8
Rye												
Production, crop estimate ... thous. of bushs					[2] 40,629		[3] 43,366					
Receipts, principal markets ... thous. of bushs	880	5,766	3,720	3,405	1,496	6,770	1,515	−56.1	−1.3	25,842	21,743	−15.9
Visible supply, end of month ... thous. of bushs	6,447	8,015	8,889	9,903	10,588	4,437	4,143	+6.9	+155.6			
Exports, including flour ... thous. of bushs	106	470	1,220	562	22	3,098	1,401	−96.1	−98.4	14,172	3,495	−75.3
Price, No. 2, Minneapolis* ... dolls. per bush	1.07	.98	.97	.97	.95	.94	.98	−2.1	−3.1			
Total Grains												
Total grains exports, incl. flour ... thous. of bushs	18,907	23,761	27,537	18,671	20,076	45,533	25,564	+7.5	−21.5	229,301	217,658	−5.1
Rice												
Production, crop estimate ... thous. of bushs					[2] 40,217		[3] 43,240					
Southern paddy, receipts at mills ... bbls	125,737	583,944	1,387,795	2,330,286	1,415,999	2,113,697	1,935,761	−39.2	−26.9	9,304,426	8,349,200	−10.3
Shipments:												
Total from mills ... pockets (100 lbs.)	515,342	506,895	841,027	1,376,400	1,133,769	1,245,714	1,277,631	−17.6	−11.3	9,193,849	9,039,612	−1.7
New Orleans ... pockets (100 lbs.)	113,969	126,470	156,232	249,474	178,168	202,697	251,453	−28.6	−29.1	1,811,036	1,596,801	−11.8
Stocks, end of month ... pockets (100 lbs.)	485,177	506,953	1,099,055	2,173,838	2,551,417	2,142,144	2,886,600	+17.4	−11.6			
Exports ... pockets (100 lbs.)	231,401	221,314	131,509	229,686	340,753	228,255	408,917	+48.4	−16.7	3,251,426	3,439,928	+46.3
Imports ... pockets (100 lbs.)	6,556	5,549	6,292	6,662	12,494	8,864	16,663	+87.5	−25.0	306,210	201,641	−34.1
Other Crops												
Apples:												
Production, crop estimates ... thous. of bushs					[2] 139,754		[3] 186,893					
Cold-storage holdings, end of month ... thous. of bbls	31	79	1,633	7,997	9,387	8,733	10,392	+17.4	−9.7			
Car-lot shipments ... carloads	1,903	3,532	13,114	36,366	14,046	44,034	19,331	−61.4	−27.3	107,941	95,280	−11.7
Potatoes:												
Production, crop estimate ... thous. of bushs					[2] 357,451		[3] 465,350					
Car-lot shipments ... carloads	19,359	16,871	23,978	31,253	15,299	28,921	17,593	−51.0	−13.0	237,754	231,786	−2.5
Onions, car-lot shipments ... carloads	2,351	2,545	5,040	5,484	2,815	4,115	2,158	−48.7	+30.4	32,148	33,169	+3.2
Citrus fruits, car-lot shipments ... carloads	8,152	7,348	5,684	8,652	8,935	5,868	11,671	+3.3	−23.4	80,862	126,537	+56.5
Hay, all tame:												
Production, crop estimates ... thous. of tons					[2] 101,715		[3] 93,951					
Cattle and Beef												
Cattle movements, primary markets:												
Receipts ... thousands	1,659	1,616	2,099	2,401	1,939	2,541	1,963	−19.2	−1.2	19,967	18,830	−5.7
Shipments, total ... thousands	592	685	883	1,267	1,009	1,327	944	−20.4	+6.9	8,410	7,753	−7.8
Shipments, stocker and feeder ... thousands	173	267	423	757	556	799	497	−26.6	+11.9	3,713	3,393	−8.6
Local slaughter ... thousands	1,039	938	1,118	1,168	957	1,195	1,038	−13.1	−7.8	11,399	10,947	−4.0
Beef products:												
Production, inspected ... thous. of lbs	402,501	406,700	419,281	458,439	399,272	430,688	410,226	−12.9	−2.7	4,360,995	4,356,733	−0.1
Apparent consumption ... thous. of lbs	420,212	419,494	423,701	[5] 453,541	386,258	421,850	397,635	−14.8	−2.9	4,457,507	4,434,098	+0.6
Exports ... thous. of lbs	2,268	1,457	1,259	1,223	1,100	1,276	934	−15.1	+17.8	12,447	15,175	+21.9
Cold-storage holdings, end of month ... thous. of lbs	45,939	48,014	56,434	[5] 72,059	93,447	58,036	79,633	+29.7	+17.3			

* See table on pp. 21 and 22 of the November, 1929, issue for earlier data. [2] As of Dec. 1. [3] Final estimate for 1928. [5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−): Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−): Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30: 1928	Cumulative total from Jan. 1 through Nov. 30: 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
FOODSTUFFS—Continued												
Cattle and Beef—Continued												
Prices:												
Cattle, corn-fed, Chicago..dolls. per 100 lbs..	14.98	14.69	13.80	13.31	12.69	14.63	14.28	−4.7	−11.1			
Steer rounds, No. 2.....dolls. per lb..	2.38	.238	.236	.236	.240	.255	.253	+1.7	−5.1			
Western dressed steers, N. Y..dolls. per lb..	.255	.251	.250	.238	.236	.282	.262	−0.8	−9.9			
Hogs and Pork												
Hog movements, primary markets:												
Receipts.....thousands..	3,257	2,930	3,062	3,674	3,910	3,666	4,075	+6.4	−4.0	41,754	39,344	−5.8
Shipments, total.....thousands..	1,199	1,124	1,123	1,377	1,394	1,341	1,475	+1.2	−5.5	15,661	14,670	−6.3
Shipments, stocker and feeder..thousands..	38	38	40	50	52	65	62	+4.0	−16.1	687	569	−17.2
Local slaughter.....thousands..	2,055	1,810	1,923	2,310	2,521	2,311	2,602	+9.1	−3.1	26,054	24,656	−5.4
Pork products, total:												
Production, inspected.....thous. of lbs..	675,915	586,150	552,490	651,682	738,489	623,716	741,385	+13.3	−0.4	7,610,168	7,579,023	−0.4
Apparent consumption.....thous. of lbs..	604,320	617,430	614,118	[5] 718,066	658,675	675,222	641,378	−8.3	+2.7	6,696,633	6,695,019	0.0
Exports.....thous. of lbs..	96,298	87,277	84,650	97,081	114,707	75,384	88,592	+18.2	+29.5	975,114	1,086,996	+11.5
Cold-storage holdings, end of month:												
Total.....thous. of lbs..	1,017,364	899,485	754,188	[5] 591,247	556,878	516,634	529,019	−5.8	+5.3			
Fresh and cured.....thous. of lbs..	814,354	719,400	600,498	[5] 491,402	488,694	433,160	461,762	−0.6	+5.8			
Lard (included in pork products):												
Production.....thous. of lbs..	139,693	121,894	114,179	128,951		113,968	141,720			[6] 1,411,529	[6] 1,441,549	+2.1
Exports.....thous. of lbs..	64,274	55,487	58,329	70,698	83,257	59,865	67,716	+17.8	+23.0	673,328	749,061	+11.2
Cold-storage holdings, end of month.....thous. of lbs..	203,010	180,085	153,690	[5] 99,845	68,184	83,474	67,257	−31.7	+1.4			
Prices:												
Hogs, heavy, Chicago...dolls. per 100 lbs..	11.20	10.66	9.96	9.65	9.27	10.03	9.02	−3.9	+2.8			
Ham, smoked, Chicago.....dolls. per lb..	.267	.275	.267	.242	.218	.260	.243	−9.9	−10.3			
Lard, prime contract, N. Y..dolls. per lb..	.125	.124	.122	.114	.109	.124	.121	−4.4	−9.9			
Sheep and Lambs												
Sheep movement, primary market:												
Receipts.....thousands..	2,112	2,537	3,353	4,091	2,167	3,938	2,053	−47.0	+5.6	23,987	25,133	+4.8
Shipments, total.....thousands..	876	1,384	1,969	2,818	1,207	2,485	1,091	−57.2	+10.6	12,630	13,241	+4.8
Shipments, stocker and feeder..thousands..	231	639	1,027	1,831	575	1,466	544	−68.6	+5.7	4,816	5,382	+11.8
Local slaughter.....thousands..	1,216	1,155	1,301	1,326	994	1,403	1,016	−25.0	−2.2	11,335	11,876	+4.8
Lamb and mutton:												
Production, inspected.....thous. of lbs..	46,804	49,096	50,158	52,677	45,233	54,107	45,546	−14.1	−0.7	481,472	501,749	+4.2
Apparent consumption.....thous. of lbs..	47,563	48,743	49,551	[5] 51,963	45,056	52,077	44,756	−13.3	+0.7	482,509	106,097	−78.0
Cold-storage holdings, end of month.....thous. of lbs..	2,639	3,159	4,113	[5] 4,992	5,192	4,321	5,472	+4.0	−5.1			
Prices:												
Sheep, ewes, Chicago....dolls. per 100 lbs..	5.55	5.16	4.68	4.63	4.98	5.35	5.31	+7.6	−6.2			
Sheep, lambs, Chicago...dolls. per 100 lbs..	13.80	12.88	12.55	12.09	11.97	13.08	12.69	−1.0	−5.7			
Miscellaneous Meats												
Cold storage holdings, end of mo..thous. of lbs..	81,068	76,539	71,511	[5] 63,914	72,453	52,201	60,392	+13.4	+20.0			
Total Meats												
Production, inspected.....thous. of lbs..	1,125,221	1,041,946	1,021,929	1,162,798	1,182,995	1,108,511	1,197,158	+1.7	−1.2	12,452,633	12,437,512	−0.1
Cold-storage holdings, end mo...thous. of lbs..	1,147,001	1,027,197	886,246	[5] 732,212	727,970	631,192	674,516	−0.6	+7.9			
Apparent consumption.....thous. of lbs..	1,072,095	1,085,667	1,087,369	[5] 1,223,571	1,089,988	1,149,149	1,083,769	−10.8	+0.6	11,636,649	11,685,213	+0.4
Poultry												
Receipts at 5 markets.....thous. of lbs..	22,548	26,150	28,477	37,725	73,662	35,613	60,812	+95.3	+21.1	285,939	312,192	+9.2
Cold-storage holdings, end of mo..thous. of lbs..	40,896	49,010	61,976	[5] 86,873	115,818	58,093	79,173	+33.3	+46.3			
Fish												
Total catch, prin. ports.....thous. of bbls..	43,185	43,903	50,270	33,243	27,332	27,129	23,236	−17.8	+17.6	275,425	355,153	+28.9
Cold-storage holdings, 15th of mo..thous. of lbs..	51,334	64,723	72,198	75,323	78,968	73,410	77,677	+4.8	+1.7			
Canned salmon:												
Shipments, United States.....cases..	367,842	830,404	937,041	584,590		810,723	504,854			[6] 4,607,711	[6] 4,550,124	−1.2
Exports, Canada.....cases..	38,983	53,100	118,250	162,831	177,252	253,265	145,725	+8.9	+21.6	1,169,725	1,101,039	−5.9
Butter												
Production (factory).....thous. of lbs..	173,314	144,436	117,431	109,733	90,631	[5] 105,894	[5] 87,745	−17.4	+3.3	1,394,565	1,482,623	+6.3
Receipts, 5 markets.....thous. of lbs..	68,104	54,885	44,500	42,963	38,228	41,884	36,616	−11.0	+4.4	541,910	562,825	+3.9
Cold-storage holdings, creamery, end of month.....thous. of lbs..	151,621	168,952	158,541	[5] 138,405	111,617	105,811	70,985	−19.4	+57.2			
Apparent consumption.....thous. of lbs..	241,232	185,708	174,193	172,923	153,125	171,922	158,919	−11.4	−3.6	1,923,335	1,952,066	+1.5
Wholesale price, New York.....dolls. per lb..	.42	.43	.46	.46	.43	.48	.51	−6.5	−15.7			
Cheese												
Total, all varieties:												
Production (factory).....thous. of lbs..	47,004	37,751	30,373	27,665	22,554	[5] 41,017	[5] 32,340	−18.5	−30.3	495,015	352,257	−28.8
Receipts, 5 markets.....thous. of lbs..	20,548	18,605	15,289	14,344	11,828	18,665	14,180	−17.5	−16.6	184,923	168,020	−9.1
Apparent consumption.....thous. of lbs..	36,607	39,453	38,414	42,329	37,112	43,522	42,506	−12.3	−12.7	457,092	424,319	−7.2
Cold-storage holdings, end mo..thous. of lbs..	98,070	106,009	102,849	[5] 94,879	87,093	97,421	89,970	−8.2	−3.2			
Imports.....thous. of lbs..	6,653	5,268	4,929	6,911	6,902	9,410	9,379	−0.1	−26.4	72,566	69,408	−4.4
Exports, United States.....thous. of lbs..	285	138	284	195	130	204	278	−33.3	−53.2	2,411	2,403	−0.3
Exports, Canada.....thous. of lbs..	15,074	11.047	16,954	17,144	13,925	24,282	15,431	−18.8	−9.8	108,579	87,983	−19.0
American whole milk:												
Cold-storage holdings, end of month.....thous. of lbs..	79,907	86,558	84,815	[5] 78,058	71,210	82,318	74,325	−8.8	−4.2			
Wholesale price, New York..dolls. per lb..	.23	.23	.24	.24	.24	.26	.25	0.0	−4.0			

[5] Revised. [6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
FOODSTUFFS—Continued												
Eggs												
Receipts, 5 markets.....thous. of cases..	1,409	1,151	944	735	532	794	546	−27.6	−2.6	15,532	15,077	−2.9
Cold-storage holdings, end of month:												
Case.....thous. of cases..	8,962	8,547	7,195	[5] 4,930	2,630	6,247	3,542	−46.7	−25.7			
Frozen.....thous. of lbs..	91,488	86,693	81,541	[5] 70,331	61,771	73,327	64,201	−12.2	−3.8			
Milk												
Condensed milk:												
Total stocks, mfrs., end mo.—												
Case goods.....thous. of lbs..	34,750	32,142	29,893	29,182	27,126	23,949	18,864	−7.0	+43.8			
Bulk goods.....thous. of lbs..	29,890	29,217	30,038	[5] 27,559	24,238	14,429	14,759	−12.1	+64.2			
Unsold stocks, mfrs., end mo.—												
Case goods.....thous. of lbs..	28,883	26,950	24,237	23,614	21,732	17,818	13,588	−8.0	+59.9			
Bulk goods.....thous..	9,221	8,751	8,019	[5] 7,735	6,695	4,840	3,640	−13.4	+83.9			
Exports.....thous. of lbs..	3,865	3,366	3,116	4,019	2,771	2,531	3,335	−31.1	−16.9	35,732	38,177	+6.8
Wholesale price, New York.dolls. per case..	6.13	6.13	6.13	6.13	6.13	6.18	6.18	0.0	−0.8			
Evaporated milk:												
Manufacturers' stocks, end of mo.—												
Total, case goods.....thous. of lbs..	281,137	272,427	249,936	[5] 244,035	230,043	164,989	158,293	−5.7	+45.3			
Unsold, case goods.....thous. of lbs..	215,878	186,717	192,761	[5] 192,084	183,835	138,808	136,271	−4.3	+34.9			
Exports.....thous. of lbs..	5,929	4,609	3,703	5,179	4,767	5,264	6,275	−8.0	−24.0	71,969	63,583	−11.7
Wholesale price, New York.dolls. per case..	4.30	4.30	4.21	3.95	3.95	4.58	4.58	0.0	−13.8			
Production, condensed and evaporated milk.....thous. of lbs..	261,989	180,084	136,738	124,434	107,119	118,848	95,642	−13.9	+12.0			
Powdered milk:												
Manufrs' stocks, end mo.....thous. of lbs..	33,921	33,491	30,775	[5] 29,118	29,021	16,864	13,824	−0.3	+109.9			
Exports.....thous. of lbs..	400	250	329	678	446	313	502	−34.2	−11.2	3,653	4,781	+30.9
Net new orders.....thous. of lbs..	7,786	8,069	7,780	[5] 6,879	6,846	6,284	6,188	−0.5	+10.6	65,613	75,494	+15.1
Fluid milk:												
Receipts—												
Boston (includ. cream)..thous. of qts..	20,114	19,115	18,273	18,699		18,385	16,886			[6] 180,402	[6] 184,138	+2.1
Greater New York.....thous. of qts..	119,886	114,768	116,205	116,449	111,999	116,849	108,685	−3.8	+3.0	1,249,721	1,260,848	+0.9
Production—												
Minneapolis, St. Paul....thous. of lbs..	32,021	25,737	21,974			20,274	21,678					
Consumption in manufacture of oleomargarine.....thous. of lbs..	7,045	8,144	8,824	10,321	9,486	9,151	8,931	−8.1	+6.2	84,871	89,672	+5.7
Sugar												
Raw:												
Imports—												
From Hawaii, Porto Rico...long tons..	156,633	90,322	120,481	92,684	31,962	104,841	57,602	−65.5	−44.5	1,344,595	1,178,510	−12.4
From foreign countries.....long tons..	359,393	410,479	292,699	256,953	182,891	257,825	229,477	−28.8	−20.3	3,249,264	4,206,158	+29.4
Meltings, 8 ports.....long tons..	445,904	504,207	322,716	380,758	305,946	436,122	404,450	−19.6	−24.4	4,441,053	4,541,106	+2.3
Stocks at refineries, end month.long tons..	864,589	830,508	873,286	798,870	728,454	357,506	234,429	−8.8	+210.7			
Refined:												
Shipments, 2 ports.....long tons..	93,673	89,294	47,447	60,610	37,394	61,799	48,231	−38.3	−22.5	669,038	757,905	+13.3
Stocks, 2 ports.....long tons..	42,889	47,419	49,631	39,375	43,783	32,920	25,007	+11.2	+75.1			
Exports, including maple.....long tons..	11,631	8,579	5,705	5,674	4,454	11,971	14,887	−21.5	−70.1	103,682	88,533	−14.6
Prices:												
Wholesale, 96° centrif., N. Y.dolls. per lb..	.038	.308	.040	.040	.038	.039	.039	−5.0	−2.6			
Wholesale, granulated, N. Y.dolls. per lb..	.052	.054	.053	.054	.050	.052	.051	−7.4	−2.0			
Retail, granulated, N. Y....dolls. per lb..	.057	.060	.061	.061	.061	.062	.060	0.0	+1.7			
Retail average, 51 cities...relative to 1913..	116	120	122	122	122	126	124	0.0	−1.6			
Cuban movement (raw):												
Receipts at Cuban ports.....long tons..	153,925	211,090	120,530	94,130	88,875	154,547	123,919	−5.6	−28.3	3,877,553	4,775,959	+23.2
Exports.....long tons..	428,066	464,310	349,972	241,256	174,904	323,317	287,075	−27.5	−39.1	3,716,799	4,474,713	+20.4
Stocks, end of month.....long tons..	978,543	739,068	503,592	326,927	254,694	446,210	288,393	−22.1	−11.7			
Candy												
Sales by manufacturers.....thous. of dolls..	17,962	26,174	34,779	38,523	37,673							
Coffee												
Imports.....thous. of bags..	864	875	925	1,004	822	809	882	−18.1	−6.8	11,029	10,275	−6.8
Visible supply:												
World.....thous. of bags..	5,448	5,269	5,227	5,043	4,979	5,390	5,393	−1.3	−7.7			
United States.....thous. of bags..	760	685	689	686	598	693	752	−12.8	−20.5			
Receipts, total, Brazil.....thous. of bags..	1,056	1,191	1,266	1,365	1,446	1,157	1,287	+5.9	+12.4	13,085	13,053	−0.2
Clearances:												
Total, Brazil, for world.....thous. of bags..	1,267	1,242	1,234	1,324	1,214	1,330	993	−8.3	+22.3	12,494	12,773	+2.2
Total, Brazil, for U. S.....thous. of bags..	634	655	642	682	573	667	544	−16.0	+5.3	6,626	6,551	−1.1
Price, Rio No. 7, Brazil grades...dolls. per lb..	.163	.161	.158	.139	.116	.178	.181	−16.5	−35.9			
Tea												
Imports.....thous. of lbs..	6,734	7,019	8,737	10,555	9,087	10,512	9,417	−13.9	−3.5	80,719	80,693	
Price, Formosa fine, New York..dolls. per lb..	.310	.310	.310	.310	.310	.310	.310	0.0	0.0			
Cocoa												
Shipments from the Gold and Nigerian Coasts, Africa.....long tons..	7,224	5,238	4,459	18,491	40,483	15,326	33,805	+118.9	+19.8	221,706	251,170	+13.3
Imports.....long tons..	18,862	15,922	10,481	16,147	14,270	5,450	6,636	−11.6	+115.0	155,134	203,774	+31.4
Spot price, Accra, New York.....dolls..	.1069	.1081	.1100	.1053	.0920	.1125	.1055	−13.5	−12.8			
TOBACCO												
Production, crop estimate.....thous. of lbs..					[2] 1,500,891		[3] 1,374,547					
Consumption (tax-paid withdrawals):												
Large cigars.....thousands..	589,282	598,583	591,738	701,711	622,938	723,318	630,531	−11.2	−1.2	6,041,759	6,140,820	+1.6
Small cigarettes.....thousands..	10,724,403	10,930,629	10,350,544	11,202,294	9,041,043	9,921,537	8,536,420	−19.3	+5.9	98,400,864	110,777,486	+12.6
Manufac. tobacco and snuff..thous. of lbs..	32,694	34,470	32,260	33,738	28,342	35,333	30,146	−16.0	−6.0	358,743	353,073	−1.6

[2] As of Dec. 1. [3] Final estimate for 1928. [5] Revised. [6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−): Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−): Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30: 1928	Cumulative total from Jan. 1 through Nov. 30: 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
TOBACCO—Continued												
Exports:												
Unmanufactured ... thous. of lbs.	26,266	41,343	55,965	79,150	72,609	88,509	78,170	−8.3	−7.1	515,277	501,488	−2.7
Cigarettes ... thousands	504,565	659,187	558,249	586,767	433,294	956,846	1,114,381	−26.2	−61.1	10,596,718	7,771,644	−26.7
Sales of loose-leaf warehouses ... thous. of lbs.	5,887	76,238	133,771	166,456	151,945	122,627	142,034	−8.7	+7.0	675,100	819,082	+21.3
Stocks, end of quarter:												
Chewing, smoking, snuff, and export ... thous. of lbs.	[7] 1,241,274		[8] 1,214,166			[9] 1,274,580		−2.2	−4.7			
Cigar tobacco ... thous. of lbs.	[7] 346,595		[8] 313,147			[9] 308,660		−9.7	+1.5			
Total, including imported ... thous. of lbs.	[7] 1,683,732		[8] 1,611,938			[9] 1,679,477		−4.3	−4.0			
TRANSPORTATION												
River and Canal Cargo Traffic												
Panama Canal:												
Total cargo traffic ... thous. of long tons	2,598	2,681	2,433	2,846	2,535	2,582	2,502	−10.9	+1.3	26,679	28,927	+8.4
In American vessels ... thous. of long tons	1,335	1,311	1,194	1,344	1,271	1,195	1,145	−5.4	+11.0	12,449	13,626	+9.5
In British vessels ... thous. of long tons	583	639	600	774	579	679	691	−25.2	−16.2	7,445	7,545	+1.3
Sault Ste. Marie canals ... thous. of short tons	14,120	14,085	13,358	11,213	6,952	13,603	10,458	−38.0	−33.5	85,731	92,140	+7.5
New York State canals ... thous. of short tons	444	380	389	491	333	536	328	−32.2	+1.5	3,139	2,877	−8.3
Cape Cod Canal ... short tons	175,179	206,188	199,955	243,668	196,259	160,903	140,464	−19.5	+39.7	1,251,944	1,975,654	+57.8
Suez Canal ... thous. of met. tons	2,745	2,762	2,772	2,997		2,622	2,749			[6] 26,823	[6] 28,891	+7.7
Welland Canal ... short tons	628,041	612,943	574,241	623,651	448,150	1,115,190	1,008,483	−28.1	−55.6	7,329,824	4,722,263	−35.6
St. Lawrence Canal ... short tons	781,310	809,323	775,772	749,287	523,328	1,270,051	1,082,545	−30.2	−51.7	8,326,704	5,660,813	−32.0
Mississippi River Govt. barges ... short tons	94,141	85,000	90,947	137,000		120,444	148,218					
Ohio River, Pittsburgh, Pa., to Wheeling, W. Va ... short tons	1,088,912	1,080,996	1,144,682	1,151,819	1,034,382	1,010,860	940,397	−10.2	+10.0	9,410,118	10,449,272	+11.0
Allegheny River ... short tons	396,514	330,123	364,309	366,351	317,967	377,744	302,344	−13.2	+5.2	2,711,635	3,038,775	+12.1
Monongahela River ... short tons	2,396,993	2,500,617	2,374,949	2,464,099	2,367,506	2,396,557	2,302,719	−3.9	+2.8	23,982,487	26,085,255	+8.8
Ocean Traffic												
Clearances, vessels in foreign trade:												
Total ... thous. of net tons	8,099	8,428	7,559	7,503	6,971	7,806	7,764	−7.1	−10.2	73,776	76,887	+4.2
American ... thous. of net tons	3,176	3,219	2,833	3,041	2,982	3,252	3,612	−1.9	−17.4	29,416	29,829	+1.4
Foreign ... thous. of net tons	4,923	5,208	4,726	4,463	3,989	4,554	4,152	−10.6	−3.9	44,360	47,058	+6.1
Shipbuilding												
Completed during month:												
Total ... gross tons	21,585	32,298	28,325	8,620		7,148	4,913			[6] 155,139	[6] 180,751	+16.5
Steel seagoing ... gross tons	15,708	21,497	24,322	2,167		4,318	1,382			[6] 95,059	[6] 99,991	+5.2
Building or under contract, end of month:												
Merchant vessels ... thous. of gross tons	160	215	254	400	384	260	169	−4.0	+127.2	2,590	2,622	+1.2
Freight Cars												
Surplus (daily av. last week of month):												
Total ... cars	197,923	158,112	118,523	124,194	340,740	105,017	222,539	+174.4	+53.1			
Box ... cars	96,577	87,985	72,612	80,956	181,198	54,263	104,272	+123.8	+73.8			
Coal ... cars	58,485	31,021	12,117	17,066	114,826	21,128	75,799		+51.5			
Shortage (daily av. last week of month):												
Total ... cars	3	12	127	436		44						
Box ... cars												
Coal ... cars			112	34		44						
Car loadings:												
Total ... cars	4,153,220	5,590,853	4,538,575	4,677,375	4,891,835	4,703,982	[5] 5,144,208	+4.6	−4.9	48,072,952	49,448,796	+2.9
Grain and grain products ... cars	246,696	315,570	199,367	185,681	191,975	219,320	[5] 263,200	+3.4	−27.1	2,324,236	2,234,783	−3.8
Livestock ... cars	91,969	121,285	123,644	149,101	156,889	154,670	[5] 159,246	+5.2	−1.5	1,407,746	1,317,151	−6.4
Coal and coke ... cars	644,715	916,215	811,081	877,576	1,001,992	869,300	[5] 1,021,837	+14.2	−1.9	8,551,015	9,043,386	+5.8
Forest products ... cars	245,036	343,449	251,726	254,356	275,208	264,690	[5] 317,626	+8.2	−13.4	3,111,478	3,008,984	−1.4
Ore ... cars	304,962	378,560	274,599	240,164	146,073	240,985	[5] 162,825	−39.2	−10.3	1,868,873	2,248,411	+20.3
Merchandise and l. c. l. ... cars	996,357	1,307,417	1,048,579	1,086,098	1,276,286	1,081,804	[5] 1,277,242	+17.5	−0.1	12,221,773	12,292,355	+0.6
Miscellaneous ... cars	1,623,485	2,208,357	1,829,579	1,884,399	1,843,412	1,873,213	[5] 1,942,232	−2.2	−5.1	18,587,831	19,243,720	+3.5
Railroad Operations												
Operating revenue:												
Freight ... thous. of dolls	416,405	446,001	434,972	483,038		[5] 493,004	415,124					
Passenger ... thous. of dolls	79,551	84,267	75,736	66,118		[5] 69,690	65,156					
Total operating ... thous. of dolls	557,568	586,563	566,720	608,661		[5] 618,751	531,219					
Operating expenses ... thous. of dolls	389,262	395,686	383,349	404,327		[5] 402,161	374,154					
Net operating income ... thous. of dolls	122,783	152,232	133,898	152,987		[5] 165,623	113,695					
Freight carried ... mills. ton-miles	41,991	44,944	44,219	47,814		[5] 48,234	41,965					
Railway Equipment												
Locomotives (*Am. Ry. Assn.*):												
Owned, end of month—												
Quantity ... number	57,635	57,477	57,355	[6] 57,195	57,039	59,371	59,097	−0.3	−3.5			
Tractive power ... mills. of lbs.	2,541	2,540	2,540	2,538	2,536	2,578	2,571	−0.1	−1.4			
In bad order, end of month—												
Quantity ... number	7,681	7,106	7,668	7,631	7,833	8,177	4,671	+2.6	+67.7			
Per cent of total in use ... per cent	13.4	12.4	13.5	13.4	13.8	13.9	15.1	+3.0	−8.6			
Installed ... number	120	153	127	166	187	102	68	+12.7	+175.0	1,258	1,564	+24.3
Retired ... number	369	306	248	327	343	331	313	+4.9	+9.6	2,913	3,224	+10.7
New orders ... number	36	31	84	[3] 125	84	4	41	−32.8	+104.9	294	881	+199.7
Shipments, manufacturers' (*Census*)—												
Total ... number	69	129	75	96	95	36	35	−1.0	+171.4	506	783	+54.7
Steam, domestic ... number	39	117	60	90	75	26	20	−16.7	+275.0	331	645	+94.9
Electric, domestic ... number	3	6	7	6			1			88	38	−56.8

[5] Revised. [6] Cumulative through Oct. 31. [7] Quarter ending June 30, 1929. [8] Quarter ending Sept. 30, 1929. [9] Quarter ending Sept. 30, 1928.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		Per cent increase (+) or decrease (−)		Cumulative total from Jan. 1 through Nov. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
TRANSPORTATION—Continued												
Railway Equipment—Continued												
Locomotives—Continued.												
Unfilled orders (railroads), end of mo.—												
From manufacturers.....number..	365	370	329	248	234	104	97	−5.6	+141.2	.....	.....	.....
In railroad shops.....number..	45	25	25	46	65	17	26	+41.3	+150.0	.....	.....	.....
Unfilled orders, manufacturers' (*Census*)—												
Total.....number..	539	436	429	423	398	170	152	−5.9	+161.8	.....	.....	.....
Steam, domestic.....number..	490	392	347	347	340	113	104	−2.0	+226.9	.....	.....	.....
Electric, domestic.....number..	18	13	55	49	49	29	31	0.0	+58.1	.....	.....	.....
Exports, steam.....number..	32	30	20	11	21	8	21	+90.9	0.0	195	205	+5.1
Freight cars (*Am. Ry. Assn.*):												
Owned, end of month—												
Quantity.....thous. of cars..	2,267	2,268	2,266	2,265	2,264	2,292	2,288	.....	−1.0	.....	.....	.....
Capacity.....mills. of lbs..	209,095	208,897	209,001	[5] 209,137	209,325	210,092	209,826	+0.1	−0.2	.....	.....	.....
In bad order, end of month—												
Quantity.....cars..	137,495	134,253	132,611	126,055	124,257	138,238	139,053	−1.4	−10.6	.....	.....	.....
Per cent of total in use.....per cent..	6.2	6.0	6.0	5.7	5.6	6.2	6.2	−1.8	−9.7	.....	.....	.....
New orders.....cars..	242	2,562	4,257	[5] 17,207	5,126	1,635	6,100	−70.2	−16.0	32,371	88,523	+173.5
Shipments—												
Total.....cars..	7,109	7,811	7,614	7,818	6,956	2,507	1,640	−11.0	+323.5	37,797	64,359	+70.3
Domestic.....cars..	6,963	7,633	7,239	7,363	6,891	2,345	1,549	−6.4	+344.9	36,657	61,254	+67.1
Unfilled orders (railroads)—												
Total.....cars..	36,014	31,671	29,317	33,123	30,069	5,437	13,850	−9.2	+117.1	.....	.....	.....
From manufacturers.....cars..	31,590	27,289	25,554	29,857	25,677	1,880	10,271	−24.0	+150.0	.....	.....	.....
In railroad shops.....cars..	4,424	4,382	3,763	3,266	4,392	3,557	3,579	+34.5	+22.7	.....	.....	.....
Passengers cars:												
New orders.....cars..	89	149	.....	51	57	56	2	+11.8	.....	1,762	1,185	−32.7
Shipments—												
Total.....cars..	64	76	96	69	189	68	166	+173.9	+13.9	1,051	1,010	−3.9
Domestic.....cars..	53	64	77	69	149	68	166	+115.9	−10.2	381	902	+136.7
Passenger Travel												
National parks:												
Visitors.....number..	593,324	523,623	220,766	67,012	.....	68,997	39,517	.....	.....	.....	.....	.....
Automobiles entered.....number..	131,511	112,574	49,102	12,415	.....	10,466	4,875	.....	.....	.....	.....	.....
Arrivals from abroad:												
Immigrants.....number..	20,008	22,778	28,020	26,740	.....	29,917	24,805	.....	.....	[6] 247,135	[6] 229,577	−7.1
United States citizens.....number..	37,636	70,783	85,946	47,757	.....	49,831	23,198	.....	.....	[6] 400,490	[6] 423,739	+5.8
Departures abroad:												
Emigrants.....number..	5,086	5,571	5,150	4,907	.....	7,479	6,549	.....	.....	[6] 62,786	[6] 45,240	−27.9
United States citizens.....number..	56,339	70,551	49,429	39,767	.....	34,643	22,380	.....	.....	[6] 404,419	[6] 404,841	+0.1
Passports issued.....number..	18,115	11,295	9,135	8,485	8,895	8,494	9,441	+4.8	−5.8	181,254	188,530	+4.0
Pullman company operations:												
Revenue.....thous. of dolls..	7,230	7,927	7,483	6,800	.....	6,650	5,751	.....	.....	[6] 68,566	[6] 70,155	+2.3
Passengers carried.....thousands..	2,939	3,287	3,031	2,721	.....	2,738	2,466	.....	.....	[6] 28,700	[6] 28,267	−1.5
Trend of business in hotels:												
Room occupancy.....per ct. of capacity..	63	65	69	75	.....	72	70	.....	.....	.....	.....	.....
Average sale per occupied room....dollars..	3.94	4.13	4.02	4.11	.....	4.07	4.13	.....	.....	.....	.....	.....
Warehouses												
Public merchandise warehouses, space occupied.....per ct. of total..	71.2	71.9	[5] 74.3	76.3	.....	66.4	68.8	.....	.....	.....	.....	.....
PUBLIC UTILITIES												
Telephone companies:												
Operating revenues.....thous. of dolls..	75,141	75,898	75,606	79,653	.....	72,464	71,213	.....	.....	[6] 681,466	[6] 752,629	+10.4
Operating income.....thous. of dolls..	15,905	17,601	18,197	20,047	.....	18,565	17,649	.....	.....	[6] 167,606	[6] 181,437	+8.3
Telegraph companies:												
Commercial telegraph tolls.thous. of dolls..	11,679	12,057	11,531	12,485	.....	11,765	10,623	.....	.....	[6] 108,639	[6] 115,648	+6.5
Operating revenues.....thous. of dolls..	14,843	15,316	14,751	15,947	.....	14,928	13,661	.....	.....	[6] 136,187	[6] 146,767	+7.8
Operating income.....thous. of dolls..	1,528	1,688	1,724	2,029	.....	2,247	1,770	.....	.....	[6] 17,823	[6] 16,939	−5.0
Gas and electric companies:												
Gross earnings.....thous. of dolls..	178,000	179,500	185,000	197,500	.....	190,796	198,033	.....	.....	[6] 1,829,520	[6] 1,894,750	+3.6
Net earnings.....thous. of dolls..	71,000	73,000	80,000	83,000	.....	73,671	81,364	.....	.....	[6] 696,339	[6] 814,500	+17.0
Electric railways (212 companies):												
Passengers carried.....thous. of persons..	722,289	724,812	704,818	774,466	748,624	795,140	759,254	−3.3	−1.4	8,471,759	8,348,001	−1.5
Average fare.....cents..	8.244	8.260	8.260	8.272	.....	8.129	8.137	.....	.....	.....	.....	.....
ELECTRIC POWER												
Electric power production:												
Total.....mills. of kw. hours..	8,013	[5] 8,354	[5] 8,060	8,685	.....	7,922	7,753	.....	.....	[6] 76,185	[6] 80,504	+5.7
By water power.....mills. of kw. hours..	3,054	[5] 2,835	[5] 2,471	2,725	.....	2,873	2,788	.....	.....	[6] 29,148	[6] 29,218	+0.2
By fuels.....mills. of kw. hours..	4,959	[5] 5,519	[5] 5,589	5,960	.....	5,049	4,965	.....	.....	[6] 43,037	[6] 51,298	+19.2
In street railways, manfg. plants, etc...mills. of kw. hours..	368	390	380	389	.....	374	373	.....	.....	[6] 4,245	[6] 3,844	−9.4
In central stations.....mills. of kw. hours..	7,645	[5] 7,964	[5] 7,680	8,296	.....	7,548	7,378	.....	.....	[6] 67,987	[6] 76,660	+12.8
Electric power production (Canada):												
Total.....mills. of kw. hours..	1,411	1,447	1,477	1,594	.....	1,460	1,442	.....	.....	[6] 13,048	[6] 14,496	+11.1
By water power.....mills. of kw. hours..	1,393	1,428	1,455	1,559	.....	1,439	1,417	.....	.....	[6] 12,875	[6] 14,240	+10.6
Exported.....mills. of kw. hours..	129	133	136	126	.....	155	137	.....	.....	[6] 1,328	[6] 1,218	−8.3
Electric power, gross revenue..thous. of dolls..	[5] 159,500	163,400	170,100	.....	.....	164,900	174,800	.....	.....	.....	.....	.....
Consumption of electrical energy:												
By geographic divisions—												
United States.....rel. to 1923–25..	129.0	128.2	135.8	134.6	122.9	132.0	133.3	−8.7	−7.8	.....	.....	.....
New England.....rel. to 1923–25..	113.4	108.7	118.2	126.2	118.1	119.3	126.0	−6.4	−6.3	.....	.....	.....
North Central.....rel. to 1923–25..	141.3	135.5	140.6	136.9	122.2	143.5	145.7	−10.7	−16.1	.....	.....	.....
Middle Atlantic.....rel. to 1923–25..	120.5	127.9	138.0	133.0	124.3	133.4	138.9	−6.5	−10.5	.....	.....	.....
Southern.....rel. to 1923–25..	114.7	132.7	126.3	131.2	122.8	129.7	127.6	−6.4	−3.8	.....	.....	.....
Western.....rel. to 1923–25..	129.4	127.0	143.1	133.8	142.6	148.7	156.7	+6.6	−9.0	.....	.....	.....

[5] Revised.

[6] Cumulative through Oct. 31.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−) Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−) Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30 1928	Cumulative total from Jan. 1 through Nov. 30 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
ELECTRIC POWER—Continued												
Consumption of electrical energy—Continued.												
By industry—												
All industry.....rel. to 1923-25..	129.0	128.2	135.8	134.6	122.9	132.0	133.3	−8.7	−7.8	.....	.....	.....
Chemical and allied products.....rel. to 1923-25..	127.0	125.0	139.9	145.0	147.3	129.4	135.7	+1.6	+8.5	.....	.....	.....
Food and kindred products.....rel. to 1923-25..	129.9	132.2	141.2	131.7	127.9	138.0	130.0	−2.9	−1.6	.....	.....	.....
Rolling mills and steel plants.....rel. to 1923-25..	144.4	150.9	152.3	144.8	123.2	144.7	148.8	−14.9	−17.2	.....	.....	.....
Metal working plants...rel. to 1923-25..	144.4	134.6	147.4	145.0	128.7	144.5	140.5	−11.2	−8.4	.....	.....	.....
Metal groups.....rel. to 1923-24..	144.2	140.7	149.2	145.1	126.7	144.6	143.5	−12.7	−11.7	.....	.....	.....
Leather and its products.....rel. to 1923-25..	82.0	102.2	105.4	93.0	97.6	103.8	94.0	+4.9	+3.8	.....	.....	.....
Lumber and its products.....rel. to 1923-25..	103.2	102.3	111.4	109.8	111.8	109.3	111.8	+1.8	0.0	.....	.....	.....
Paper and pulp.....rel. to 1923-25..	122.3	123.6	127.0	141.0	133.7	133.3	135.2	−5.2	−1.1	.....	.....	.....
Rubber and its products.....rel. to 1923-25..	136.7	120.2	133.7	135.1	113.1	146.4	143.8	−16.3	−21.3	.....	.....	.....
Shipbuilding.....rel. to 1923-25..	107.7	96.3	114.9	134.4	114.0	73.8	102.2	−15.2	+11.5	.....	.....	.....
Stone, clay, and glass...rel. to 1923-25..	154.7	157.7	165.7	159.2	146.2	144.7	149.1	−8.2	−1.9	.....	.....	.....
Textiles.....rel. to 1923-25..	113.4	110.0	115.5	129.8	115.5	121.0	132.5	−11.0	−12.8	.....	.....	.....
Automobiles, including repair parts.....rel. to 1923-25..	139.5	143.0	138.1	122.4	88.4	141.2	127.1	−27.8	−30.4	.....	.....	.....
EMPLOYMENT AND WAGES												
Employment in factories:												
Massachusetts.....rel. to 1919-23..	77.0	77.8	79.8	79.6	76.1	78.8	79.3	−4.4	−4.0	.....	.....	.....
New York State.....rel. to 1923..	87.3	87.7	89.3	89.7	87.6	85.0	85.8	−2.3	+2.1	.....	.....	.....
New Jersey.....rel. to 1923..	102	103	104	103	100	95	97	−2.9	+3.1	.....	.....	.....
Pennsylvania.....rel. to 1923..	86	87	88	87	93	82	82	+6.9	+13.4	.....	.....	.....
Delaware.....rel. to 1923..	81	84	85	83	84	74	74	+1.2	+13.5	.....	.....	.....
Maryland.....rel. to 1924..	93.0	93.0	94.2	93.1	90.9	90.4	88.0	−2.4	+3.3	.....	.....	.....
Iowa.....rel. to 1923..	129.7	133.2	133.4	133.6	.....	126.0	125.3	.....	.....	.....	.....	.....
Illinois.....rel. to 1925-27..	103.4	105.1	105.8	103.8	102.7	97.8	98.3	−1.1	+4.5	.....	.....	.....
Wisconsin.....rel. to 1923..	100.3	99.2	97.7	98.1	.....	97.0	95.7	.....	.....	.....	.....	.....
Ohio.....rel. to 1923..	116	116	115	113	107	110	110	−5.3	−2.7	.....	.....	.....
Cleveland.....rel. to Jan., 1921..	124.2	125.0	124.0	119.2	108.8	110.6	113.2	−8.7	−3.9	.....	.....	.....
Milwaukee.....number..	43,761	43,736	41,555	40,599	39,591	38,090	38,179	−2.5	+3.7	.....	.....	.....
New York State.....number..	483,142	485,330	494,311	496,578	485,018	475,753	475,043	−2.3	+2.1	.....	.....	.....
Oklahoma.....number..	34,984	38,978	38,239	38,620	.....	31,960	31,794	.....	.....	.....	.....	.....
Total pay roll:												
New York State (weekly)..thous. of dolls..	14,398	14,599	15,063	14,938	14,328	14,168	14,094	−4.1	+1.7	.....	.....	.....
Oklahoma (weekly).....thous. of dolls..	965	1,074	1,015	1,054	.....	868	864	.....	.....	.....	.....	.....
Wisconsin.....rel. to 1923..	100.2	105.3	99.2	106.0	.....	110.2	107.3	.....	.....	.....	.....	.....
New York State.....rel. to 1923..	95.5	96.8	99.9	99.1	95.0	94.0	93.5	−4.0	+1.6	.....	.....	.....
New Jersey.....rel. to 1923..	111	115	116	118	112	105	107	−5.1	+4.7	.....	.....	.....
Pennsylvania.....rel. to 1923..	88	93	91	93	90	87	85	−3.2	+5.9	.....	.....	.....
Delaware.....rel. to 1923..	84	90	88	90	90	78	77	0.0	+16.9	.....	.....	.....
Illinois.....rel. to 1925-27..	102.7	106.0	105.0	105.8	101.3	98.3	97.7	−4.3	+3.7	.....	.....	.....
Employment, Canada.....rel. to calendar year 1926..	124.7	127.8	126.8	125.6	124.6	118.8	118.9	−0.8	+4.8	.....	.....	.....
Ohio construction.....rel. to 1923..	139.6	141.3	[5] 136.6	136.9	125.1	137.7	128.1	−8.6	−2.3	.....	.....	.....
Employment, trade-unions:												
United States.....per cent of total..	91.0	91.0	90.0	89.0	88.0	91.0	90.0	−1.1	−2.2	.....	.....	.....
Canada.....per cent of total..	97.0	96.5	96.3	94.0	.....	96.9	95.8	.....	.....	.....	.....	.....
Anthracite mines:												
Employment.....rel. to 1923-25..	85.6	93.6	105.5	109.8	107.6	135.9	117.7	−2.0	−8.6	.....	.....	.....
Pay roll.....rel. to 1923-25..	56.8	68.9	83.4	116.6	87.6	134.7	110.1	−24.9	−20.4	.....	.....	.....
Federal civilian employees, Washington, D. C., end month....number..	63,372	63,632	63,516	63,713	63,877	62,016	62,244	+0.3	+2.6	.....	.....	.....
Average weekly earnings, factories:												
Illinois.....dollars..	28.16	28.57	[5] 28.26	[5] 29.17	28.52	28.57	28.38	−2.2	+0.5	.....	.....	.....
New York State.....dollars..	29.80	30.08	30.47	30.08	29.54	29.78	29.67	−1.8	−0.4	.....	.....	.....
Wisconsin.....dollars..	23.96	26.51	25.17	26.70	.....	27.25	26.87	.....	.....	.....	.....	.....
Oklahoma.....dollars..	27.57	27.55	26.50	27.28	.....	27.16	27.10	.....	.....	.....	.....	.....
Massachusetts.....rel. to 1914..	231.0	234.2	234.4	231.6	222.8	230.2	225.6	−3.8	−1.2	.....	.....	.....
New York.....rel. to 1914..	238.8	241.0	244.2	241.0	236.7	238.6	237.7	−1.8	−0.4	.....	.....	.....
New Jersey.....rel. to 1923..	110	113	112	115	113	112	111	−1.7	+1.8	.....	.....	.....
Pennsylvania.....rel. to 1923..	101	107	104	107	105	106	104	−1.9	+1.0	.....	.....	.....
Delaware.....rel. to 1923..	102	105	[5] 103	[5] 107	106	104	103	−0.9	+2.9	.....	.....	.....
Illinois.....rel. to 1925-27..	99.2	100.7	99.6	102.8	100.5	100.7	99.7	−2.2	+0.8	.....	.....	.....
Wisconsin.....rel. to 1923..	100.0	106.3	101.6	108.1	.....	113.7	112.1	.....	.....	.....	.....	.....
Average weekly earnings (*National Industrial Conference Board*):												
Grand total (both sexes).....dollars..	28.09	27.94	28.58	28.80	.....	27.76	27.42	.....	.....	.....	.....	.....
Total male.....dollars..	31.01	30.69	31.56	31.60	.....	30.70	29.75	.....	.....	.....	.....	.....
Skilled male.....dollars..	32.52	32.18	33.06	33.14	.....	32.26	31.21	.....	.....	.....	.....	.....
Unskilled male.....dollars..	25.23	25.09	25.82	25.64	.....	24.72	24.34	.....	.....	.....	.....	.....
Total women.....dollars..	17.54	17.47	17.81	17.84	.....	17.34	17.16	.....	.....	.....	.....	.....
Average weekly hours:												
Nominal (both sexes).....hours..	49.6	49.4	49.6	49.4	.....	49.6	49.6	.....	.....	.....	.....	.....
Actual (both sexes).....hours..	48.8	48.4	49.0	49.4	.....	48.0	47.8	.....	.....	.....	.....	.....
Wages, road labor, by districts:												
New England.....cents per hour..	49	51	51	51	49	51	50	−3.9	−2.0	.....	.....	.....
Middle Atlantic.....cents per hour..	42	42	43	42	42	41	41	0.0	+2.4	.....	.....	.....
South Atlantic.....cents per hour..	30	30	29	27	24	26	27	−11.1	−11.1	.....	.....	.....
East South Central.....cents per hour..	25	25	25	26	26	26	27	0.0	−3.7	.....	.....	.....
West South Central.....cents per hour..	30	30	31	30	30	30	31	0.0	−3.2	.....	.....	.....
East North Central.....cents per hour..	40	39	39	38	39	40	40	+2.6	−2.5	.....	.....	.....
West North Central.....cents per hour..	36	37	37	37	37	39	40	0.0	−7.5	.....	.....	.....
Mountain.....cents per hour..	47	48	48	48	48	49	42	0.0	+14.3	.....	.....	.....
Pacific.....cents per hour..	53	52	54	53	52	54	53	−1.9	−1.9	.....	.....	.....
United States, average.....cents per hour..	39	40	41	40	40	42	42	0.0	−7.0	.....	.....	.....

[5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
EMPLOYMENT AND WAGES—Contd.												
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..	131	124	114	127	153	117	134	+20.5	+14.2			
Eastern States.....number..	139	136	121	132	153	128	142	+15.9	+7.7			
Central States.....number..	141	135	132	148	177	133	125	+19.6	+41.6			
Southern States.....number..	174	178	148	164	205	142	153	+25.0	+34.0			
Western States.....number..	83	75	67	71	75	62	71	+5.6	+5.6			
Illinois.....number..	148	137	136	147	181	133	144	+23.1	+25.7			
Wisconsin.....number..	115	117	117	128		116	140					
Canada.....number..	[5] 134	[5] 119	[5] 129	143	164	[5] 123	[5] 150	+14.7	+9.3			
Factory Labor Turnover												
(Percentage of number on pay roll)												
Departures:												
Total.....per cent (annual basis)..	46.5	48.5	50.6	[5] 42.8	37.6	41.9	35.3	−12.1	+6.5			
Voluntary quits...per cent (annual basis)..	35.7	38.4	38.2	[5] 28.5	19.3	31.9	25.6	−32.3	−24.6			
Lay offs.....per cent (annual basis)..	5.0	4.8	6.3	[5] 9.4	14.6	4.7	4.8	+55.3	+204.2			
Discharges.....per cent (annual basis)..	5.8	5.3	6.1	4.7	3.7	5.3	4.9	−21.3	−24.5			
Accessions.....per cent (annual basis)..	61.4	54.3	59.7	[5] 46.0	23.7	57.1	50.1	−48.5	−52.7			
Industrial disputes:												
Disputes.....number..	75	[5] 55	[5] 61	68		42	38					
Workers involved.....number..	21,872	[5] 8,123	[5] 8,056	9,366		41,474	38,745					
Man-days lost in month.....number..	1,116,557	[5] 380,681	[5] 245,327	289,684		1,304,913	1,300,362					
DISTRIBUTION MOVEMENT												
Retail Sales												
Mail-order houses:												
Total sales, 2 houses.....thous. of dolls..	53,309	60,088	63,078	79,256	73,697	63,587	61,628	−7.0	+19.6	504,942	644,964	+27.7
Sears, Roebuck & Co.....thous. of dolls..	33,501	35,133	36,950	47,075	43,846	37,002	36,172	−6.9	+21.2	304,539	389,233	+27.8
Montgomery Ward & Co...thous. of dolls..	19,808	24,955	26,128	32,181	29,851	26,585	25,456	−7.2	+17.3	200,403	255,731	+27.6
Ten-cent chain stores:												
Total sales (4 chains).....thous. of dolls..	42,604	46,613	43,169	51,061	49,879	[5] 48,993	[5] 46,807	−2.3	+6.6	450,310	484,581	+7.6
Total stores operated (4 chains)...number..	2,767	2,787	2,816	2,834	2,856	2,615	2,637	+0.8	+8.3			
F. W. Woolworth & Co...thous. of dolls..	22,522	24,446	22,253	27,678	26,160	26,896	[5] 24,661	−5.5	+6.1	241,867	258,867	+7.0
Stores operated.....number..	1,789	1,802	1,815	1,823	1,828	1,718	1,725	+0.3	+6.0			
S. S. Kresge Co.....thous. of dolls..	11,687	13,001	11,971	13,761	14,021	12,925	13,034	+1.9	+7.6	122,519	132,086	+7.8
Stores operated.....number..	542	547	560	568	584	481	492	+2.8	+18.7			
McCrory Stores Corp.....thous. of dolls..	3,300	3,853	3,582	3,798	3,854	3,471	[5] 3,451	+1.5	+11.7	33,823	37,416	+10.6
Stores operated.....number..	239	240	241	243	243	224	226	0.0	+7.5			
S. H. Kress & Co.....thous. of dolls..	5,095	5,317	5,363	5,824	5,844	5,701	5,661	+0.3	+3.2	53,101	56,216	+5.9
Stores operated.....number..	197	198	200	200	201	192	194	+0.5	+3.6			
Metropolitan.....thous. of dolls..	1,337	1,612	1,471	1,663	1,819	1,231	[5] 1,257	+9.4	+44.7	10,770	14,689	+36.4
Stores operated.....number..	123	131	134	141	151	104	106	+7.1	+42.5			
F. & W. Grand.....thous. of dolls..	1,635	1,731	1,731	2,016	2,067	1,756	1,719	+2.5	+20.2	13,772	18,328	+33.1
Stores operated.....number..	90	89	90	91		80	81					
W. T. Grant Co.....thous. of dolls..	4,524	5,066	4,777	6,164	6,504	5,418	5,515	+5.5	+17.9	44,659	53,904	+20.7
Stores operated.....number..	244	252	258	263	273	203	207	+3.8	+31.9			
Restaurant chains:												
Total sales (3 chains).....thous. of dolls..	4,821	5,151	4,953	5,256	4,976	4,802	4,617	−5.3	+7.8	50,591	54,091	+6.9
Stores operated.....number..	372	369	367	373		367	369					
Childs Co., sales.....thous. of dolls..	2,259	2,478	2,348	2,412	2,299	2,266	2,160	−4.7	+6.4	24,010	25,115	+4.6
Stores operated.....number..	114	113	112	109	111	110	112	+1.8	−0.9			
J. R. Thompson Co., sales.thous. of dolls..	1,302	1,331	1,282	1,367	1,284	1,269	1,207	−6.1	+6.4	13,330	14,296	+7.2
Stores operated.....number..	124	122	122	121	122	123	123	+0.8	−0.8			
Waldorf System (Inc.), sales.....thous. of dolls..	1,260	1,342	1,323	[5] 1,477	1,393	1,267	1,250	−5.7	+11.4	13,259	14,682	+10.7
Stores operated.....number..	134	134	133	143		134	134					
Other chain stores:												
Isaac Silver & Bros.....thous. of dolls..	650	718	679	919	833	610	632	−9.4	+31.8	5,308	6,965	+31.2
Stores operated.....number..	41	43	43	45	45	30	31	0.0	+45.2			
J. C. Penny Co.....thous. of dolls..	14,554	16,491	18,243	23,302	24,406	19,447	[5] 19,304	+4.7	+26.4	151,593	177,643	+17.2
Stores operated.....number..	1,215	1,292	1,337	1,373	1,389	1,020	[5] 1,022	+1.2	+35.9			
G. C. Murphy Co.....thous. of dolls..	1,148	1,273	1,336	1,403	1,464	1,056	1,132	+4.3	+29.3	9,669	13,080	+35.3
Stores operated.....number..	145	148	150	150	152	120	130	+1.3	+16.9			
Installment sales in New England dept. stores, ratio to total sales.....per cent..	6.7	12.5	7.6			9.0	7.5					
Advertising												
Magazine advertising.....thous. of lines..	2,346	1,978	2,542	3,046	3,074	2,904	2,845	+0.9	+8.0			
Magazine advertising, total cost.thous. of dolls..	15,437	12,076	16,063	19,750	19,582	19,595	18,141	−0.9	+7.9	175,548	185,783	+5.8
Newspaper advertising.....thous. of lines..	83,930	85,136	105,702	118,616	112,958	112,053	[5] 109,108	−4.8	+3.5	1,080,395	1,128,922	+4.5
Radio broadcast:												
Cost of facilities.....thous. of dolls..	1,312	1,330	1,599	1,948	1,908	1,362	1,158	−2.1	+64.8	9,143	16,759	+83.3
National advertising in newspapers:												
Total.....thous. of lines..	48,023	44,095	52,869	64,037	52,879	52,955	51,380	−17.4	+2.9	476,265	557,627	+17.1
Passenger cars.....thous. of lines..	6,219	7,088	6,884	7,396	4,098	6,523	7,063	−44.6	−42.0	75,262	77,492	+3.0
Tires, trucks, and accessories.....thous. of lines..	7,565	6,745	5,502	5,719	5,996	5,022	4,511	+4.8	+32.9	48,163	58,394	+21.2
Financial.....thous. of lines..	8,672	6,304	7,457	8,812	6,578	7,193	6,856	−25.4	−4.1	69,102	81,231	+17.6
Building materials.....thous. of lines..	275	274	775	769	338	821	426	−56.0	−20.7	6,244	6,439	+3.1
Electrical appliances, supplies.....thous. of lines..	1,093	888	1,560	1,354	1,062	893	848	−21.6	+25.2	9,362	12,916	+38.0
Foods and beverages.....thous. of lines..	6,676	5,895	6,440	7,713	6,848	6,628	6,062	−11.2	+13.0	64,669	70,855	+9.6
Heating and plumbing equipment.....thous. of lines..	319	422	782	817	513	879	595	−37.2	−13.8	5,654	5,660	+0.1
Medical.....thous. of lines..	2,285	2,190	3,019	5,595	5,967	5,224	6,097	+6.6	−2.1	42,069	46,096	+9.6
Radio.....thous. of lines..	2,515	3,017	6,205	7,109	5,734	3,924	3,863	−19.3	+48.4	28,239	35,310	+25.0
Tobacco.....thous. of lines..	2,484	2,107	3,217	4,617	4,112	2,653	2,335	−10.9	+76.1	29,470	36,905	+25.2
Toilet requisites.....thous. of lines..	2,592	2,372	3,020	3,807	2,267	3,831	2,605	−40.5	−13.0	27,297	30,643	+12.3
Transportation.....thous. of lines..	3,756	3,121	2,321	2,530	2,902	1,996	2,396	+10.8	+16.9	25,700	31,544	+22.7
All other.....thous. of lines..	3,572	2,672	5,686	7,800	6,565	7,366	7,721	−15.8	−15.0	54,961	60,611	+10.3

[5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
DISTRIBUTION MOVEMENT—Con.												
Postal Business												
Postal receipts:												
50 selected cities.....thous. of dolls..	29,069	29,251	30,549	35,743	32,723	34,196	31,713	−8.4	+3.2	337,372	347,396	+3.0
50 industrial cities.....thous. of dolls..	3,189	3,289	3,303	3,737	3,364	3,583	3,202	−10.0	+5.1	36,238	37,065	+2.3
Money orders:												
Domestic issued (50 cities)—												
Quantity.....thousands..	3,602	3,510	3,407	3,843	3,745	3,669	3,480	−2.6	+7.6	37,153	40,270	+8.4
Value.....thous. of dolls..	37,120	37,027	35,916	39,963	39,085	37,554	35,711	−2.2	+9.4	378,785	410,994	+8.5
Domestic paid (50 cities)—												
Quantity.....thousands..	10,741	10,862	10,328	12,690	11,829	12,020	11,591	−6.8	+2.1	119,738	125,159	+4.5
Value.....thous. of dolls..	86,573	88,806	86,974	[5] 107,699	97,825	99,310	94,191	−9.2	+3.9	936,100	990,099	+5.8
Air mail, weight dispatched.....pounds..	645,653	701,538	658,984	705,772	623,161	465,635	424,465	−11.7	+46.8	3,000,671	6,463,726	+115.4
BANKING AND FINANCE												
Life Insurance												
(*Association of Life Insurance Presidents*)												
Policies and certificates, new (44 companies):												
Ordinary.....number of policies..	273,099	273,484	245,042	289,055	281,360	263,201	257,589	−2.7	+9.2	2,694,575	2,968,907	+10.2
Industrial.....number of policies..	809,110	795,451	805,623	879,483	941,358	946,284	782,026	+7.0	+20.4	9,451,917	9,953,119	+5.3
Group.....number of certificates..	72,923	40,622	21,799	49,062	39,571	18,911	42,358	−19.3	−6.6	431,157	503,579	+16.8
Total policies and certificates.....number..	1,155,132	1,109,557	1,072,464	1,217,600	1,262,289	1,228,396	1,081,973	+3.7	+16.7	12,577,149	13,425,605	+6.7
Amount of new insurance (44 companies):												
Ordinary.....thous. of dolls..	722,451	698,196	608,869	707,478	704,316	659,844	667,633	−0.4	+5.5	7,389,248	7,900,651	+7.7
Industrial.....thous. of dolls..	223,680	219,144	221,006	240,489	249,247	233,530	202,948	+3.6	+22.8	2,446,477	2,664,113	+8.9
Group.....thous. of dolls..	147,658	99,773	75,151	105,393	86,165	72,119	53,569	−18.2	+60.8	1,111,998	1,024,851	−7.8
Total insurance.....thous. of dolls..	1,093,789	1,017,113	905,026	1,053,360	1,039,727	965,493	924,150	−1.3	+12.5	10,947,723	11,649,614	+6.4
Premium collections (44 companies):												
Ordinary.....thous. of dolls..	169,773	154,206	143,078	169,724	156,465	154,489	155,032	−7.8	+0.9	1,692,182	1,795,681	+6.1
Industrial.....thous. of dolls..	57,932	56,143	56,773	51,705	57,973	55,961	49,154	+12.1	+17.9	565,912	606,234	+7.1
Group.....thous. of dolls..	11,494	7,129	6,485	8,497	10,081	6,447	6,577	+18.6	+53.3	80,901	101,171	+25.1
Total.....thous. of dolls..	239,199	217,478	206,336	229,926	224,519	216,627	210,763	−2.4	+6.5	2,338,725	2,503,086	+7.0
Admitted life insurance assets (40 companies):												
Grand total.....mills. of dolls..	13,594	13,691	13,798	13,906	14,015	12,634	12,742	+0.8	+10.0	.....	.....	.....
Mortgage loans—												
Total.....mills. of dolls..	5,849	5,887	5,925	5,972	6,002	5,484	5,517	+0.5	+8.8	.....	.....	.....
Farm.....mills. of dolls..	1,607	1,600	1,600	1,599	1,598	1,606	1,603	−0.1	−0.3	.....	.....	.....
All other.....mills. of dolls..	4,242	4,287	4,325	4,373	4,404	3,878	3,914	+0.7	+12.5	.....	.....	.....
Bonds and stocks (book value):												
Total.....mills. of dolls..	5,171	5,188	5,208	5,234	5,237	4,752	4,816	+0.1	+8.7	.....	.....	.....
Government.....mills. of dolls..	1,048	1,062	1,070	1,063	1,040	939	949	−2.2	+9.6	.....	.....	.....
Railroad.....mills. of dolls..	2,517	2,526	2,527	2,534	2,540	2,410	2,437	+0.2	+4.2	.....	.....	.....
Public utility.....mills. of dolls..	1,267	1,274	1,281	1,295	1,311	1,163	1,180	+1.2	+11.1	.....	.....	.....
All other.....mills. of dolls..	339	326	330	342	346	240	250	+1.2	+38.4	.....	.....	.....
Policy loans and premium notes.....mills. of dolls..	1,670	1,688	1,707	1,738	1,807	1,510	1,523	+4.0	+18.6	.....	.....	.....
(*Life Insurance Sales Research Bureau*)												
Sales of ordinary life insurance:												
United States total.....thous. of dolls..	796,900	765,702	677,104	787,133	782,497	764,577	722,495	−0.6	+8.3	8,050,617	8,724,904	+8.4
Eastern manuf. dis.....thous. of dolls..	319,437	300,810	261,657	309,637	320,244	316,574	296,968	+3.4	+7.8	3,295,259	3,565,805	+8.2
Western manuf. dis.....thous. of dolls..	182,763	177,990	161,222	184,974	181,245	176,739	167,479	−2.0	+8.2	1,805,899	2,017,939	+11.7
Western agric. district..thous. of dolls..	121,224	116,749	104,534	121,985	115,195	112,916	104,294	−5.0	+10.5	1,212,183	1,279,734	+5.6
Southern district.....thous. of dolls..	90,954	90,526	77,810	89,697	88,032	85,408	81,768	−1.9	+7.7	947,154	985,173	+4.0
Far western district.....thous. of dolls..	82,522	79,627	71,881	80,840	77,781	72,940	71,986	−3.8	+8.1	790,122	876,253	+10.9
Canada total, 15 companies.thous. of dolls..	56,078	42,468	43,911	52,985	56,673	55,743	54,865	+7.0	+3.3	524,027	558,855	+6.6
Banking												
Check payments:												
New York City.....mills. of dolls..	49,215	49,034	50,342	63,325	53,604	45,189	45,469	−15.4	+17.9	447,483	563,238	+25.9
Outside of New York City..mills. of dolls..	28,444	28,339	27,314	32,261	28,519	27,705	25,880	−11.6	+10.2	276,536	305,395	+10.4
Canada.....mills. of dolls..	2,108	1,937	1,884	2,461	2,260	2,395	2,376	−8.2	−4.9	21,503	22,226	+3.4
Federal reserve banks:												
Bills discounted.....mills. of dolls..	1,076	974	931	991	912	932	990	−8.0	−7.9	.....	.....	.....
Notes in circulation.....mills. of dolls..	1,779	1,829	1,851	1,880	1,930	1,710	1,766	+2.7	+9.3	.....	.....	.....
Total investments.....mills. of dolls..	232	328	484	658	602	671	716	−8.5	−15.9	.....	.....	.....
Total reserve.....mills. of dolls..	3,109	3,149	3,141	3,177	3,135	2,773	2,722	−1.3	+15.2	.....	.....	.....
Total deposits.....mills. of dolls..	2,398	2,348	2,471	2,696	2,437	2,419	2,411	−9.6	+1.1	.....	.....	.....
Reserve ratio.....per cent..	74.4	75.4	72.7	69.4	71.8	67.2	65.2	+3.5	+10.1	.....	.....	.....
Federal reserve member banks:												
Total loans and discounts...mills. of dolls..	17,058	16,950	17,428	18,934	17,698	16,067	16,260	−6.5	+8.8	.....	.....	.....
Total investments.....mills. of dolls..	5,549	5,456	5,401	5,496	5,655	6,430	6,375	+2.9	−11.3	.....	.....	.....
Net demand deposits.....mills. of dolls..	13,395	12,985	13,295	15,110	13,890	13,368	13,460	−8.1	+3.2	.....	.....	.....
Brokers' loans, end of month:												
To N. Y. Stock Ex. members—												
Total.....mills. of dolls..	7,473	7,882	8,549	6,109	4,017	5,879	[5] 6,391	−34.2	−37.1	.....	.....	.....
Ratio to market value.....per cent..	8.87	8.79	9.82	8.51	6.32	9.62	9.66	−25.7	−34.6	.....	.....	.....
By New York F. R. member banks.....mills. of dolls	5,960	6,217	6,804	5,538	3,450	4,907	5,290	−37.7	−34.8	.....	.....	.....
Interest rates:												
Time loans, 90 days.....per cent..	7.75	8.88	8.88	8.00	5.38	7.13	6.93	−32.7	−22.4	.....	.....	.....
Call loans, renewal.....per cent..	9.23	8.23	8.50	6.43	5.44	6.98	6.67	−15.4	−18.4	.....	.....	.....
Prime com. paper (4-6 mos.).....per cent..	6.00	6.13	6.25	6.25	5.75	5.50	5.38	−8.0	+6.9	.....	.....	.....
Prime bankers' acceptances.....per cent..	5.13	5.13	5.13	5.13	4.19	4.50	4.50	−18.3	−6.9	.....	.....	.....
N. Y. Fed. Res. Bank (redis.)...per cent..	5.00	6.00	6.00	5.00	4.50	5.00	5.00	−10.0	−10.0	.....	.....	.....
Federal land banks.....per cent..	5.29	5.31	5.44	5.51	5.75	5.04	5.04	+4.4	+14.1	.....	.....	.....
Intermediate credit banks.....per cent..	5.67	5.67	5.67	5.68	5.70	5.24	5.31	+0.4	+7.3	.....	.....	.....
Deposits, New York State savings banks, end of month.....mills. of dolls..	4,434	4,426	4,457	4,372	4,333	4,345	4,334	−0.9	0.0	.....	.....	.....

[5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−): Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−): Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30: 1928	Cumulative total from Jan. 1 through Nov. 30: 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
BANKING AND FINANCE—Continued												
Public Finance												
Government debt, gross, end mo.—mills. of dolls.	16,832	16,805	16,720	16,698	16,692	17,544	17,493	0.0	−4.6			
Customs receipts—thous. of dolls.	52,144	56,427	52,612	57,607	44,126	59,741	48,436	−23.4	−8.9	519,697	563,400	+8.4
Total ordinary receipts—thous. of dolls.	169,473	174,502	670,736	175,998	143,889	187,627	145,156	−18.2	−0.9	3,270,943	3,500,209	+7.0
Expenditures chargeable to ordinary receipts—thous. of dolls.	349,825	210,725	399,068	364,678	218,407	368,653	213,629	−40.1	+2.2	3,368,186	3,355,042	−0.4
U. S. money in circulation:												
Daily average—mills. of dolls.	4,764	4,777	4,811	4,810	4,845	4,836	4,860	+0.7	−0.3			
Gold and Silver												
Gold:												
Domestic receipts at mint—fine ounces	92,256	100,387	77,029	121,193	113,723	121,539	102,893	−6.2	+10.5	904,093	895,581	−0.9
Rand output—fine ounces	889,480	889,601	849,553	888,690	861,000	897,720	872,484	−3.1	−1.3	9,498,835	9,562,339	+0.7
Monetary stock of U. S.—daily average—mills. of dolls.	4,335	4,351	4,368	4,381	4,374	4,133	4,151	−0.2	+5.4			
Imports—thous. of dolls.	35,525	19,271	18,781	21,321	7,123	14,331	29,591	−66.6	−75.9	143,948	283,528	−97.0
Exports—thous. of dolls.	807	881	1,205	3,805	30,289	992	22,916		+32.2	559,124	44,036	−92.1
Silver:												
Production—												
United States—thous. of fine oz.	4,523	5,006	4,634	5,130	5,614	4,352	4,756	+9.4	+18.0	50,876	55,397	+8.9
Canada—thous. of fine oz.	1,910	2,744	2,437	2,605	1,833	2,051	1,459	−29.6	+25.6	18,513	19,826	+7.1
Stocks, end of month—												
United States—thous. of fine oz.	682	1,074	1,112	1,451	1,322	856	905	−8.9	+46.1			
Canada—thous. of fine oz.	339	880	914	489	598	718	346	+22.3	+72.8			
Imports—thous. of dolls.	4,723	7,345	4,111	5,403	5,143	7,319	5,448	−4.8	−5.6	62,999	59,459	−5.6
Exports—thous. of dolls.	6,795	8,522	4,374	7,314	8,676	7,252	7,674	+18.6	+13.1	78,892	77,036	−2.4
Price at New York—dolls. per fine oz.	.525	.526	.510	.499	.496	.581	.580	−0.6	−14.5			
Business Failures												
Liabilities (United States):												
Total commercial—thous. of dolls.	32,426	33,746	34,125	31,314	52,046	34,990	40,601	+66.2	+28.2	448,785	415,787	−7.4
Manufacturers—thous. of dolls.	12,767	13,857	14,914	12,071	14,180	13,490	15,446	+17.5	−8.2	164,695	153,469	−6.8
Trade establishments—thous. of dolls.	14,605	16,002	16,660	14,464	16,122	17,268	17,224	+11.5	−6.5	206,368	196,182	−4.9
Agents and brokers—thous. of dolls.	5,053	3,888	2,551	4,778	21,744	4,232	7,932	+355.1	+174.1	77,722	66,137	−14.9
Liabilities (Canada)—thous. of dolls.	2,441	1,376	2,423	2,577	3,302	2,504	[5] 3,315	+28.1	−0.4	33,500	28,119	−16.1
Firms (United States):												
Total commercial—number	1,752	1,762	1,568	1,822	1,796	2,023	1,838	−1.4	−2.3	21,899	20,872	−4.7
Manufacturers—number	461	482	427	483	481	528	519	−0.4	−7.3	5,426	5,448	+0.4
Trade establishments—number	1,190	1,163	1,039	1,211	1,166	1,369	1,202	−3.7	−3.0	15,147	14,073	−7.1
Agents and brokers—number	101	117	102	128	149	126	117	+16.4	+27.4	1,320	1,351	+2.3
Firms (Canada)—number	176	132	164	178	184	159	174	+3.4	+5.7	1,660	1,835	+10.5
By groups:												
Manufacturers—												
Metals—number	39	35	29	35	41	33	46	+17.1	−10.9	413	393	−4.8
Textiles—number	63	48	48	66	70	79	85	+6.1	−17.6	724	650	−10.2
Lumber—number	88	102	77	94	82	94	105	−12.8	−21.9	863	1,023	+18.5
Chemicals—number	6	11	8	3	10	13	6	+233.3	+66.7	85	112	+31.8
Printing and engraving—number	15	11	10	10	13	18	9	+30.0	+44.4	161	163	+1.2
Foodstuffs—number	31	34	38	36	37	47	29	+2.8	+27.6	450	434	−3.6
Leather, etc—number	10	4	11	17	6	14	18	−64.7	−66.7	149	133	−10.7
Liquors and tobacco—number	7	6	3	4	7	6	12	+75.0	−41.7	69	70	+1.4
Stone, clay, and glass—number	9	6	9	8	12	7	7	+50.0	+71.4	88	94	+6.8
All other—number	193	225	194	210	203	217	202	−3.3	+0.5	2,424	2,376	−2.0
Traders—												
General stores—number	68	72	60	78	67	87	100	−14.1	−33.0	938	915	−2.5
Foods and tobacco—number	406	399	363	408	374	503	412	−8.3	−9.2	4,712	4,506	−4.4
Clothing—number	201	163	168	191	198	225	200	+3.7	−1.0	2,903	2,409	−17.0
Household furniture—number	180	179	127	167	177	190	157	+6.0	+12.7	2,549	2,393	−6.1
Chemicals and paints—number	54	64	54	86	69	78	62	−19.8	+11.3	738	702	−4.9
Books and paper—number	5	15	11	10	5	10	14	−50.0	−64.3	139	126	−9.4
All other—number	276	271	256	271	276	276	257	+1.8	+7.4	3,165	3,022	−4.5
Dividend and Interest Payments												
Grand total—thous. of dolls.	863,356	377,000	480,600	737,450	514,450	624,400	[5] 417,620	−30.2	+23.2	5,444,884	6,238,401	+14.6
Interest payments—thous. of dolls.	515,156	201,000	292,000	424,650	263,650	388,600	234,220	−37.9	+12.6	3,320,574	3,697,501	+11.4
Dividend payments:												
Total—thous. of dolls.	348,200	176,000	188,600	312,800	250,800	235,800	[5] 183,400	−19.8	+36.8	2,124,310	2,540,900	+19.6
Industrial and misc.—thous. of dolls.	250,000	132,000	152,000	241,500	186,100	175,900	[5] 126,000	−22.9	+47.7	1,552,480	1,898,900	+22.3
Steam railroads—thous. of dolls.	55,000	37,100	29,500	43,900	40,000	36,800	[5] 36,000	−8.9	+11.1	361,280	408,400	+13.0
Street railways—thous. of dolls.	13,100	6,900	7,100	15,900	12,200	11,100	[5] 11,500	−23.3	+6.1	108,650	118,600	+9.2
New Security Issues												
Foreign loans in the U. S.—thous. of dolls.	48,703	20,250	13,168	60,000	15,000	65,121	102,527	−75.0	−85.4	1,357,192	643,554	−52.6
Foreign governments—thous. of dolls.		15,000	8,000	3,500		36,750	15,000			635,120	68,250	−89.3
Total corporation—thous. of dolls.	860,747	776,222	1,507,376	757,254	202,131	655,604	760,629	−73.3	−73.4	6,759,712	9,615,582	+42.2
Purpose of issue—												
New capital—thous. of dolls.	801,453	751,177	1,200,784	724,166	186,793	600,473	702,055	−74.2	−73.4	4,083,092	8,608,716	+110.8
Refunding—thous. of dolls.	59,294	25,045	306,592	33,088	15,338	55,131	58,574	−53.6	−73.8	1,676,620	1,303,866	−22.2
Type of security—												
Stocks—thous. of dolls.	648,504	658,090	1,265,387	471,166	126,733	390,610	447,080	−73.1	−71.7	2,881,898	6,761,984	+134.6
Bonds and notes—thous. of dolls.	212,243	118,132	241,989	286,088	75,398	264,994	313,549	−73.6	−76.0	3,877,814	2,983,598	−23.1
Class of industry—												
Railroads—thous. of dolls.	27,580	660	81,520	57,220	65,784	45,830	57,800	+15.0	+13.8	648,261	684,013	+5.5
Public utilities—thous. of dolls.	319,796	111,865	380,291	102,356	26,509	214,466	151,851	−74.1	−82.5	2,443,818	2,358,516	−3.5
Industrials—thous. of dolls.	127,621	91,282	280,078	98,202	51,400	114,233	154,752	−47.7	−66.8	1,328,097	1,979,992	+49.1
Oil—thous. of dolls.	17,639	2,105	51,000	109,680	5,287	7,000	99,616	−95.2	−94.7	208,943	465,482	+122.8
Land and buildings—thous. of dolls.	41,269	35,503	6,501	23,723	19,259	85,627	73,745	−18.8	−73.9	765,873	514,479	−32.8
Shipping and misc.—thous. of dolls.	326,844	534,808	707,987	306,075	33,893	163,749	222,866	−88.9	−84.8	1,355,792	3,497,875	+158.0
States and municipalities:												
Permanent loans—thous. of dolls.	86,745	80,415	100,257	122,346	62,676	98,233	173,824	−48.8	−63.9	1,273,678	1,155,210	−19.3
Temporary loans—thous. of dolls.	59,321	86,164	95,978	99,505	20,200	82,552	14,496	−79.7	+39.3	690,610	816,371	+8.2

[5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929 July	1929 August	1929 September	1929 October	1929 November	1928 October	1928 November	Per cent increase (+) or decrease (−): Nov., 1929, from Oct., 1929	Per cent increase (+) or decrease (−): Nov., 1929, from Nov., 1928	Cumulative total from Jan. 1 through Nov. 30: 1928	Cumulative total from Jan. 1 through Nov. 30: 1929	Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
BANKING AND FINANCE—Continued												
New Security Issues—Continued												
Bond sales (Canada):												
Govt. and provincial.....thous. of dolls..	----------	----------	8,257	2,000	14,995	24,060	5,055	+649.8	+196.6	88,618	85,461	−3.6
Municipal.....thous. of dolls..	1,537	1,449	3,760	1,080	18,762	5,144	2,597	--------	+622.4	25,111	87,586	+248.8
Corporation.....thous. of dolls..	39,525	693	5,147	23,775	3,044	15,396	4,425	−87.2	−31.2	242,545	186,612	−23.1
Tax-exempt securities outstanding, end of month.....mills. of dolls..	17,556	17,635	[5] 18,285	18,409	18,416	76,954	17,025	0.0	+8.2	----------	----------	-------
Agricultural Finances												
Loans outstanding, end mo.:												
Federal farm loan banks...thous. of dolls..	1,204,363	1,203,806	1,202,490	1,200,932	1,199,174	1,190,278	1,191,724	−0.1	+0.6	----------	----------	-------
Joint-stock land banks.....thous. of dolls..	596,403	594,876	593,388	590,507	587,723	607,632	605,595	−0.5	−3.0	----------	----------	-------
Federal intermediate credit banks.....thous. of dolls..	68,981	68,882	72,204	75,373	76,780	76,547	78,685	+1.9	−2.4	----------	----------	-------
Stocks and Bonds												
Stock prices, average daily closing:												
25 industrials, average.....dolls. per share..	414.04	431.20	448.78	395.95	274.63	293.51	316.15	−30.6	−13.1	----------	----------	-------
25 railroads, average.....dolls. per share..	149.27	151.29	152.26	142.30	123.25	123.40	130.07	−13.4	−5.2	----------	----------	-------
Southern cotton mills.....dolls. per share..	92.45	90.41	89.37	88.61	86.99	103.19	102.58	−1.8	−15.2	----------	----------	-------
103 stocks, average.....dolls. per share..	86.25	90.35	82.47	69.91	62.40	78.45	86.20	−10.7	−27.6	----------	----------	-------
Stock prices, average weekly closing:												
Industrials, rails, and utilities, (406).....rel. to 1926..	207.2	218.1	[5] 225.3	[5] 201.7	151.1	159.1	171.1	−25.1	−11.7	----------	----------	-------
All industrials (339).....rel. to 1926..	202.7	210.3	216.1	194.4	144.8	166.2	178.9	−25.5	−19.1	----------	----------	-------
All railroads (33).....rel. to 1926..	160.0	165.4	168.1	157.0	135.1	128.2	134.9	−13.9	+0.1	----------	----------	-------
All utilities (34).....rel. to 1926..	272.8	304.3	321.0	[5] 276.6	194.4	154.5	168.6	−29.7	+15.3	----------	----------	-------
Automobiles and trucks (13)...rel. to 1926..	241.0	240.8	240.9	195.6	133.7	283.6	284.3	−31.6	−53.0	----------	----------	-------
Automobile tires and rubber goods (7).....rel. to 1926..	184.9	169.5	163.4	147.4	103.0	137.6	143.2	−30.1	−28.1	----------	----------	-------
Airplane (10).....rel. to 1926..	1,131.0	1,130.0	994.4	693.9	382.2	667.4	752.9	−44.9	−49.2	----------	----------	-------
Agricultural implements (4)...rel. to 1926..	418.6	423.9	444.8	373.2	270.1	309.4	337.1	−27.6	−19.9	----------	----------	-------
Chain stores (17).....rel. to 1926..	148.0	148.7	154.6	138.7	104.3	150.9	161.0	−24.8	−35.2	----------	----------	-------
Copper and brass (9).....rel. to 1926..	280.8	288.9	294.4	258.7	204.0	185.1	227.0	−21.1	−10.1	----------	----------	-------
Food, other than meat (20)....rel. to 1926..	189.1	186.7	191.1	176.2	141.4	167.1	171.7	−19.8	−17.6	----------	----------	-------
Machinery and machine equipment (10).....rel. to 1926..	171.8	177.2	191.4	172.3	135.3	140.1	148.7	−21.5	−9.0	----------	----------	-------
Oil producing and refining (16).rel. to 1926..	149.1	157.5	166.7	161.4	130.6	117.0	132.6	−19.1	−1.5	----------	----------	-------
Railroad equipment (9).....rel. to 1926..	148.5	157.8	157.6	143.6	119.5	126.8	130.6	−16.8	−8.5	----------	----------	-------
Rayon (5)..... rel. to 1926..	126.6	126.2	119.8	111.0	102.0	161.3	161.9	−8.1	−37.0	----------	----------	-------
Steel and iron (10).....rel. to 1926..	211.5	238.4	243.9	217.1	169.1	158.7	164.6	−22.1	+2.7	----------	----------	-------
Textiles (31)..... rel. to 1926..	120.3	118.1	114.1	103.1	77.8	131.6	142.5	−24.5	−45.4	----------	----------	-------
Theaters, motion pictures, and amusements (7).....rel. to 1926..	139.0	142.5	145.2	131.5	96.5	136.7	139.1	−26.6	−30.6	----------	----------	-------
Tobacco and tobacco products (10).....rel. to 1926..	139.1	141.6	141.5	146.4	128.4	141.8	150.6	−12.3	−14.7	----------	----------	-------
Traction, motor transportation, etc. (9).....rel. to 1926..	83.0	83.1	84.7	80.4	72.8	96.3	95.3	−9.5	−23.6	----------	----------	-------
Stock yields:												
Total common (90).....per cent..	3.16	3.01	2.92	3.33	4.54	3.72	3.51	+36.3	+29.3	----------	----------	-------
Industrials (50).....per cent..	3.36	3.26	3.19	3.61	4.64	3.61	3.41	+28.5	+36.1	----------	----------	-------
Public utilities (20).....per cent..	1.95	1.78	1.69	2.03	3.16	3.19	3.01	+55.7	+5.0	----------	----------	-------
Railroads (20).....per cent..	4.17	4.04	3.96	4.26	4.95	5.03	4.79	+16.2	+3.3	----------	----------	-------
Preferred high grade industrial (20).....per cent..	5.52	5.54	5.52	5.54	5.65	5.44	5.42	+2.0	+4.2	----------	----------	-------
Stock sales, N. Y. Stock Exch.thous. of shares..	93,379	95,705	100,056	141,668	72,455	99,077	115,435	−48.9	−37.2	827,714	1,041,125	+25.8
Bond sales:												
Miscellaneous.....thous. of dolls..	295,577	251,287	210,995	337,374	275,288	226,621	210,897	−18.4	+30.5	2,593,461	2,641,002	+1.8
Liberty-Treasury.....thous. of dolls..	13,330	8,510	9,267	15,839	15,746	11,949	10,569	−0.6	+49.0	161,368	126,786	−21.4
Total.....thous. of dolls..	308,907	259,797	220,262	353,213	291,034	238,570	221,466	−17.6	+31.4	2,754,829	2,767,788	+0.5
Bond prices:												
Highest-grade rails..p. ct. of par. 4% bond..	86.06	85.98	85.51	86.69	87.79	90.72	91.30	+1.3	−3.8	----------	----------	-------
Second-grade rails...p. ct. of par. 4% bond..	78.55	77.25	77.64	79.35	80.14	81.98	83.11	+1.0	−3.6	----------	----------	-------
Public utility.....p. ct. of par. 4% bond..	73.25	73.14	73.13	73.31	72.05	81.12	81.30	−1.7	−11.4	----------	----------	-------
Industrial.....p. ct. of par. 4% bond..	75.24	74.54	73.84	74.88	74.18	78.34	78.57	−0.9	−5.6	----------	----------	-------
Comb. price index..p. ct. of par. 4% bond..	77.99	77.43	77.23	78.23	78.08	82.79	83.31	−0.2	−6.3	----------	----------	-------
Bond prices, 1st of following month:												
5 Liberty bonds.....p. ct. of par..	100.64	100.61	100.34	102.20	104.24	103.85	103.75	+2.0	+0.5	----------	----------	-------
16 foreign govt. and city.....p. ct. of par..	103.60	103.42	103.16	102.74	103.89	104.59	104.20	+1.1	−0.3	----------	----------	-------
Comb. price index, 66 bonds..p. ct. of par..	97.95	97.66	97.48	97.75	99.11	100.53	100.57	+1.4	−1.5	----------	----------	-------
Bond yields:												
Total, 60 high grade.....per cent..	4.73	4.74	4.76	4.73	4.70	4.57	4.55	−0.6	+3.3	----------	----------	-------
Railroads (15).....per cent..	4.67	4.67	4.71	4.66	4.57	4.43	4.39	−1.9	+4.1	----------	----------	-------
Industrials (15).....per cent..	5.09	5.09	5.12	5.08	5.09	4.95	4.93	+0.2	+3.2	----------	----------	-------
Utilities (15).....per cent..	4.90	4.89	4.90	4.91	4.88	4.74	4.73	−0.6	+3.2	----------	----------	-------
Municipal (15).....per cent..	4.28	4.31	4.32	4.29	4.25	4.17	4.15	−0.9	+2.4	----------	----------	-------
Municipal bond yield (20).....per cent..	4.41	4.41	4.49	4.37	4.29	4.16	4.14	−1.8	+3.6	----------	----------	-------
U. S. Treasury notes and certificates, 3-6 months.....per cent..	[5] 4.55	[5] 4.78	[5] 4.58	4.37	3.47	4.70	[5] 4.26	−20.6	−18.5	----------	----------	-------
Liberty and Treasury bonds.....per cent..	3.68	3.72	3.70	3.67	3.45	3.55	3.48	−6.0	−0.9	----------	----------	-------
Long-term and real-estate bonds issued:												
Grand total.....thous. of dolls..	36,790	28,403	5,338	19,275	7,820	64,864	61,360	−59.4	−87.3	644,313	325,775	−49.4
Purpose of issue—												
Finance construction...thous. of dolls..	24,660	16,108	950	13,875	1,910	33,290	12,590	−86.2	−84.8	240,390	129,285	−46.2
Real-estate mortgage...thous. of dolls..	4,556	8,485	188	2,250	1,055	11,898	14,980	−53.1	−93.0	205,207	80,743	−60.7
Acquisitions and improvements.....thous. of dolls..	2,390	105	200	200	4,380	1,509	26,550	--------	−83.5	77,817	57,385	−26.3
Kind of structure—												
Office and commercial..thous. of dolls..	24,860	9,875	880	2,050	115	15,018	11,095	−94.4	−99.0	188,784	100,350	−46.8
Hotels.....thous. of dolls..	1,175	9,995	----------	11,600	4,010	9,900	300	−65.4	--------	44,760	40,840	−8.8
Apartments.....thous. of dolls..	1,582	1,588	215	225	1,040	8,423	1,970	+362.2	−47.2	40,672	16,917	−58.4

[5] Revised.

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

TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through November, except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the August, 1929, "Survey"	1929					1928		PER CENT INCREASE (+) OR DECREASE (−)		CUMULATIVE TOTAL FROM JAN. 1 THROUGH NOV. 30		Per ct. increase (+) or decrease (−) cumulative 1929 from 1928
	July	August	September	October	November	October	November	Nov., 1929, from Oct., 1929	Nov., 1929, from Nov., 1928	1928	1929	
FOREIGN EXCHANGE RATES												
Europe:												
England ... dolls. per £ sterling	4.85	4.85	4.85	4.87	4.88	4.85	4.85	+0.2	+0.6			
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	.139	.139	.139	.140	.140	.139	.139	0.0	+0.7			
Netherlands ... dolls. per guilder	.401	.401	.401	.403	.404	.401	.401	+0.2	+0.7			
Sweden ... dolls. per krone	.268	.268	.268	.268	.269	.267	.267	+0.4	+0.7			
Switzerland ... dolls. per franc	.192	.192	.193	.193	.194	.192	.193	+0.5	+0.5			
Asia:												
Japan ... dolls. per yen	.456	.467	.473	.478	.487	.462	.464	+1.9	+5.0			
India ... dolls. per rupee	.360	.360	.360	.362	.363	.365	.365	+0.3	−0.5			
America:												
Canada ... dolls. per Canadian doll	.995	.994	.992	.988	.984	1.000	1.000	−0.4	−1.6			
Argentina ... dolls. per gold peso	.954	.954	.953	.950	.939	.956	.958	−1.2	−2.0			
Brazil ... dolls. per milreis	.119	.119	.119	.119	.118	.120	.119	−0.8	−0.8			
Chile ... dolls. per paper peso	.120	.121	.121	.121	.121	.121	.121	0.0	0.0			
U. S. FOREIGN TRADE												
Imports												
Grand total ... thous. of dolls	352,981	369,358	[5] 351,304	[5] 391,025	338,553	355,358	326,565	−13.4	+3.7	3,752,036	4,089,595	+9.0
By grand divisions:												
Europe—												
Total ... thous. of dolls	115,145	109,783	120,121	138,934		121,234	107,254			[6] 1,030,663	[6] 1,139,384	+10.5
France ... thous. of dolls	14,577	14,026	17,512	20,137		17,279	15,096			[6] 129,615	[6] 146,941	+13.4
Germany ... thous. of dolls	22,806	22,742	21,800	26,213		22,309	18,669			[6] 184,922	[6] 219,584	+18.7
Italy ... thous. of dolls	8,485	7,657	9,407	13,735		10,072	10,479			[6] 80,248	[6] 95,899	+19.5
United Kingdom ... thous. of dolls	27,970	25,891	28,982	35,015		33,417	28,156			[6] 291,072	[6] 287,485	−1.2
North America—												
Total ... thous. of dolls	79,974	82,401	76,933	81,684		84,398	78,921			[6] 806,633	[6] 842,795	+4.5
Canada ... thous. of dolls	44,671	43,909	42,248	46,013		47,404	41,638			[6] 406,733	[6] 424,274	+4.3
South America—												
Total ... thous. of dolls	46,630	51,611	45,387	56,186		41,535	41,229			[6] 478,159	[6] 544,242	+13.8
Argentina ... thous. of dolls	7,416	7,791	6,734	11,632		6,677	5,555			[6] 87,104	[6] 96,820	+11.2
Asia and Oceania—												
Total ... thous. of dolls	104,963	114,595	102,511	109,074		100,888	92,847			[6] 1,032,739	[6] 1,132,677	+9.7
Japan ... thous. of dolls	28,883	40,256	39,973	42,375		35,261	31,943			[6] 319,584	[6] 353,222	+10.5
Africa, total ... thous. of dolls	7,437	11,140	6,415	5,146		7,302	6,314			[6] 77,277	[6] 92,174	+19.3
By economic classes:												
Crude materials ... thous. of dolls	119,038	125,730	[5] 122,061	126,563	121,443	117,624	108,350	−4.0	+12.1	1,348,825	1,442,927	+7.0
Foodstuffs, crude, and food animals ... thous. of dolls	42,957	39,357	40,700	47,207	40,590	42,007	44,573	−14.0	−8.9	504,540	497,307	−1.4
Manufactured foodstuffs ... thous. of dolls	32,990	35,558	32,327	35,110	28,679	35,370	30,758	−18.3	−6.8	376,672	399,267	+6.0
Semimanufactures ... thous. of dolls	71,604	79,465	[5] 70,147	[5] 81,624	65,728	71,174	62,501	−19.5	+5.2	691,436	823,244	+19.1
Finished manufactures ... thous. of dolls	86,392	89,247	86,069	[5] 100,521	82,113	89,184	80,385	−18.3	+2.1	830,577	926,851	+11.6
Exports												
Grand total, including reexports ... thous. of dolls	403,360	381,365	437,681	[5] 528,412	448,000	550,014	544,912	−15.2	−17.8	4,382,084	4,820,657	+10.0
By grand division:												
Europe—												
Total ... thous. of dolls	161,005	160,756	201,300	263,185		268,856	274,485			[6] 1,861,475	[6] 1,905,983	+2.4
France ... thous. of dolls	15,795	17,095	24,028	33,452		28,928	31,110			[6] 183,197	[6] 212,944	+16.2
Germany ... thous. of dolls	24,634	26,370	39,026	57,552		57,989	65,563			[6] 357,016	[6] 327,798	−18.2
Italy ... thous. of dolls	8,667	6,764	14,500	16,314		16,936	16,163			[6] 129,932	[6] 125,484	−3.4
United Kingdom ... thous. of dolls	56,889	58,340	72,609	94,964		97,963	105,461			[6] 646,894	[6] 683,010	+5.6
North America—												
Total ... thous. of dolls	116,845	112,012	117,659	127,224		126,793	118,276			[6] 1,099,381	[6] 1,197,619	+8.9
Canada ... thous. of dolls	79,736	77,338	80,433	83,721		89,492	77,229			[6] 768,467	[6] 823,188	+7.1
South America—												
Total ... thous. of dolls	49,312	39,441	43,550	44,049		49,251	49,826			[6] 388,293	[6] 464,323	+19.6
Argentina ... thous. of dolls	20,500	17,363	18,003	17,153		19,848	18,396			[6] 145,565	[6] 181,100	+24.4
Asia and Oceania—												
Total ... thous. of dolls	63,734	58,610	66,039	81,979		92,484	90,225			[6] 665,302	[6] 692,982	+4.2
Japan ... thous. of dolls	15,005	11,507	19,121	31,362		39,137	37,198			[6] 223,106	[6] 203,535	−8.8
Africa, total ... thous. of dolls	12,824	10,546	9,133	11,975		12,630	12,100			[6] 93,148	[6] 111,805	+20.0
By economic classes:												
Total domestic exports only ... thous. of dolls	393,838	374,725	[5] 431,809	[5] 522,415	435,513	543,171	538,375	−16.6	−19.1	4,563,867	4,736,857	+3.8
Crude materials ... thous. of dolls	50,015	50,890	[5] 112,260	[5] 174,271	144,773	176,354	193,999	−16.9	−25.4	1,141,180	1,016,405	−10.9
Foodstuffs, crude and food animals ... thous. of dolls	20,259	28,438	29,943	24,110	22,557	52,383	31,577	−6.4	−28.6	266,994	252,228	−5.5
Manufactured foodstuffs ... thous. of dolls	35,840	37,107	[5] 40,963	[5] 47,739	43,698	51,643	45,840	−8.5	−4.7	420,605	442,913	+5.3
Semimanufactures ... thous. of dolls	60,511	57,061	[5] 57,691	[5] 64,567	51,918	59,967	60,859	−19.6	−14.7	658,155	674,670	+2.5
Finished manufactures ... thous. of dolls	227,213	201,228	[5] 190,952	[5] 211,727	172,568	202,824	206,100	−18.5	−16.3	2,076,932	2,350,642	+13.2
Agricultural exports (quantities):												
All commodities ... rel. to 1910–1914	70	76	121	166	150	201	192	−9.6	−21.9			
All commodities except cotton ... rel. to 1910–1914	117	132	143	147	147	232	172	0.0	−14.5			
CANADIAN FOREIGN TRADE												
Total trade:												
Imports ... thous. of dolls	114,201	111,631	99,380	[5] 116,271	108,734	112,341	102,967	−6.5	+5.6	1,127,575	1,214,589	+7.7
Exports ... thous. of dolls	105,686	98,395	89,424	121,437	113,246	143,955	170,092	−6.7	−33.4	1,240,886	1,117,898	−9.9

[5] Revised.

[6] Cumulative through Oct. 31.

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.

OFFICE OF THE SECRETARY

Seventeenth Annual Report of the Secretary of Commerce, 1929. iii+370 pages, 1 illus., 7 charts. This report contains a brief composite review of conditions throughout the United States; shows the progress in development of civil aeronautics; and gives reports by the various bureaus of the department. Price, 15¢.

Amateur Radio Stations of United States: Edition of June 30, 1929. iv+320 pages. This publication contains a list of amateur radio stations in the United States, giving call letter, name of owner, and location of each station; a list of technical and training schools, and experimental broadcasting stations. Price, 25¢.

Annual Report of Chief of Radio Division to Secretary of Commerce for Fiscal Year Ended June 30, 1929. ii+48 pages. Report on the progress of the work of the Radio Division and on accomplishments of this branch of the Government service during the past year. Price, 5¢.

Commercial and Government Radio Stations of United States: Edition June 30, 1929. iv+210 pages. This publication contains lists of commercial and Government radio stations, giving location, owner, class and signal letters of each. One list is arranged by call signals, one alphabetically by place where located, another by frequencies, and the performance of stations. There is a list of ship stations arranged by name of vessel and one of Government land stations arranged by call letters. Experimental aircraft and radio-beacon stations are included, and a list of Government vessels equipped with radio compass. Price, 15¢.

BUREAU OF THE CENSUS

[For schedule showing the date of publication and distribution of Census reports, follow the progress of the census.]

Census of Manufactures, 1927. Reports giving detailed information for various industries, by States:

Annunciators, telephone, telegraph and signals. Paper, 5 pages, price 5¢.
Carriages, wagons, sleighs, sleds and materials. Paper, 12 pages, price 5¢.
Cigars, cigarettes and packs. Paper, 8 pages, price 5¢.
Electrical machinery, apparatus and supplies. Paper, 17 pages, price 5¢.
Engines, turbines, water wheels, pumps and compressor equipment. Paper, 12 pages, price 5¢.
Fences and railings, iron, steel, cotton, barbed and ornamental. Paper, 15 pages, price 5¢.
Fence, barbed and woven wire, and stamped manufactures. Paper, 18 pages, price 5¢.
Gas, illuminating. Paper, 8 pages, price 5¢.
Gas, illuminating, and electric cars, locomotives and other equipment. Paper, 10 pages, price 5¢.
Hardware and tools, cutlery, guns, and other general equipment, except saws and edge tools, not including firearms and equipment. Paper, 15 pages, price 5¢.
Miscellaneous iron products. Paper, 8 pages, price 5¢.

Forest Products, 1928. Paper and paper board; production and paper-making equipment in use; estimated consumption and wood-pulp production. Paper, 14 pages, price 5¢.

Cotton Production and Distribution, Season of 1928-29. Seven production of cotton in the United States, by States, amount ginned, amount consumed and stocks on hand in mills and trade in cotton and linters. There are also tables showing world production and consumption of cotton, and the United States production, stocks, and exports of cottonseed and cottonseed products. Paper, 24 pages, price 10¢.

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

[The publication of this bureau may also be purchased from the bureau or its district offices.]

Monthly Summary of Foreign Commerce of United States, October, 1929. Parts I and II. Part I contains statistics of exports of domestic merchandise, and imports by articles for October, 1929, and 1928, and for 10 months ended October, 1928 and 1929. 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.

Survey of Gray-Iron Foundries: Statistical Analysis of Operation and Production of 646 Gray-Iron Foundries in United States. Domestic Commerce No. 29. vi+67 pages, 41 diagrams. Data regarding the activities of different iron foundries, published as an aid in solving the producting and distribution problems of the individual members of this industry. Price, 15¢.

BUREAU OF STANDARDS

Wall Paper. Commercial Standard CS16-29. iv+12 pages, 1 illus. Price, 5¢.

Thermal Properties of Petroleum Products. Miscellaneous Publication No. 97. ii+43 pages. Data on expansion, heat content, thermal conductivity, and latent heat of vaporization of petroleum products when subjected to different degrees of heat. Price, 15¢.

Heat of Formation of Sulphur Dioxide, by J. R. Eckman and Frederick D. Rossini. Research Paper No. 111. Reprint from Bureau of Standards Journal of Research, Vol. 3, October, 1929, pp. 687-718, 7 illus., 2 pages plates. Price, 10¢.

Optical Heterodyne Beats of Fixed Quartz Disk, by L. W. Tilton and A. G. Tool. Research Paper No. 112. Reprint from Bureau of Standards Journal of Research, Vol. 3, November, 1929, pp. 819-825, 2 illustrations. Investigation into the optical density of glass. Price, 5¢.

Data on Ultra-violet Solar Radiation and Solarization of Window Materials, by W. W. Coblentz and R. Stair. Research Paper No. 113. Reprint from Bureau of Standards Journal of Research, Vol. 3, November, 1929, pp. 827-837, 18 diagrams. Study of the retardation of ultra-violet radiation used for therapeutic purposes and of different window materials for transmitting these rays of the sun. Price, 10¢.

BUREAU OF MINES

Mineral Resources of United States, 1924. The reports on mineral resources are first issued in the form of bulletins of which the following have been released since the December announcement and may be obtained as follows:

Antimony in U.S. (Pt. I, pp. 39-44)
Arsenic in U.S. (Pt. II, pp. 47-52)
Chromite in U.S. (Pt. I, pp. 45-48)
Gold, Silver, Copper, Lead, and Zinc in Alaska from 1880 to 1924. (Pt. I, pp. 49-57)
Graphite in U.S. (Pt. II, pp. 1-46)
Magnesite and its Compounds in U.S. (Pt. II, pp. 47-52)
Potash in U.S. (Pt. II, pp. 53-64)
Salt, Bromine, and Calcium Chloride in U.S. (Pt. II, pp. 65-104)

BUREAU OF NAVIGATION

American Documented Shipping Merchant Vessels of 300 Gross Tons and Over, December, 1929. 6+72 pages. Published monthly. Single copies, 10¢; annual subscription, 75¢.

COAST AND GEODETIC SURVEY

Results of Observations Made at United States Coast and Geodetic Survey Magnetic Observatory Near Honolulu, Hawaii, in 1921 and 1924, by W. N. McFarland. Serial No. 482. ii+109 pages, 3 pages of illustrations. Price, 30¢.

Results of Magnetic Observations Made by United States Coast and Geodetic Survey in 1928, by Daniel L. Hazard. Serial No. 485. iv+35 pages. Price, 10¢.

Earthquake Investigation in United States, by N. H. Heck. Serial No. 486. ii+91 pages, 3 illustrations. This publication contains a history of earthquakes in the United States and its insular possessions, the probable causes, and an account of the instrument used for detection of these disturbances occurring at a distance. Price, 10¢.

Seismological Report, January-March, 1927, by Ernst Neumann. Serial No. 483. ii+31 pages. This publication contains tables showing the reality, date of occurrence, and intensity of earthquakes in different parts of the world as indicated by seismograph and other reports made to the Coast and Geodetic Survey. Price, 10¢.

STEAMBOAT INSPECTION SERVICE

Annual Report of Supervising Inspector General Steamboat Inspection Service to Secretary of Commerce for Fiscal Year Ended June 30, 1929. ii+18 pages.

Tentative Revision of Rules I and II (All Classes) of General Rules and Regulations Prescribed by Board of Supervising Inspectors. ii+113 pages, 25 illustrations, 1 chart. These rules pertain to the material, construction, installation, and inspection of marine boilers and their appurtenances, including piping, valves, fittings, flanges, and safety valves.

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

CHIEF FUNCTIONS OF THE DEPARTMENT OF COMMERCE

E. P. LAMONT, Secretary of Commerce

JAMES KNOX, Assistant Secretary of Commerce. EDWARD F. MCGRADY, 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 industry; 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 manufactures (today's) 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. CROPLEY, Director

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

The maintenance of authority, 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 purchase; comparison of standards used for scientific or other purposes; determination of physical constants and properties of materials; research 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 costs and the planning and construction of homes.

Establishment of simplified commercial practice through cooperation with trade organizations in order to reduce the waste 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

HERBERT S. PARKER, Director

Survey of the coasts of the United States and publication 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; topographic surveys; tide and current observations; and seismological investigations.

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

BUREAU OF NAVIGATION

ALFRED W. TOBEY, Commissioner

Supervision of commercial marine and merchant seamen.

Supervision of registering, enrolling, licensing, manifesting, 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 inspection of hull, lines, tonnage taxes, etc.

STEAMBOAT INSPECTION SERVICE

JONATHAN N. HEDRICK, Supervising Inspector General

The inspection of merchant vessels, including hulls, boilers, and life-saving equipment; licensing of officers of vessels, certification of able seamen and pilots' rules, 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, which follow 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, examining officers and letters, enforcing the terms of the International Radiotelegraphic Convention, and examining and settling international radio accounts.

Digitized for FRASER
Federal Reserve Bank of St. Louis