UNITED STATES DEPARTMENT OF COMMERCE

WASHINGTON

SURVEY OF CURRENT BUSINESS

APRIL, 1928

No. 80



COMPILED BY

BUREAU OF THE CENSUS

IN COOPERATION WITH

BUREAU OF FOREIGN AND DOMESTIC COMMERCE AND BUREAU OF STANDARDS

IMPORTANT NOTICE

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

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

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. 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 issue for February, 1928, No. 78). 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.

BASIC DATA

The figures reported in the accompanying tables 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.

RELATIVE 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.

In computing these relative numbers the last prewar year, 1913, or the first postwar year, 1919, have usually been used as a base equal to 100 wherever possible. More lately the average for 1923-1925 has

been frequently taken as 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 move-

ment 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.

INDEX NUMBERS

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 many 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 and metals 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.

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



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April, 1928

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PRELIMINARY SUMMARY FOR MARCH

Measured by the volume of checks passing through the banks for payment, business during the early weeks of March was larger than in either the preceding month or March of last year. The volume of new building contracts awarded during the early weeks of the month were larger in value than in either prior period. Activity in the automobile industry, as reflected by employment data covering Detroit factories, was greater also than in either the preceding month or March of last year. Interest rates, although somewhat higher than a year ago, continued to reflect easy money conditions with ample funds available for business enterprises. Loans and discounts of Federal reserve member banks showed some expansion as compared with the previous month and were higher also than in March of last vear.

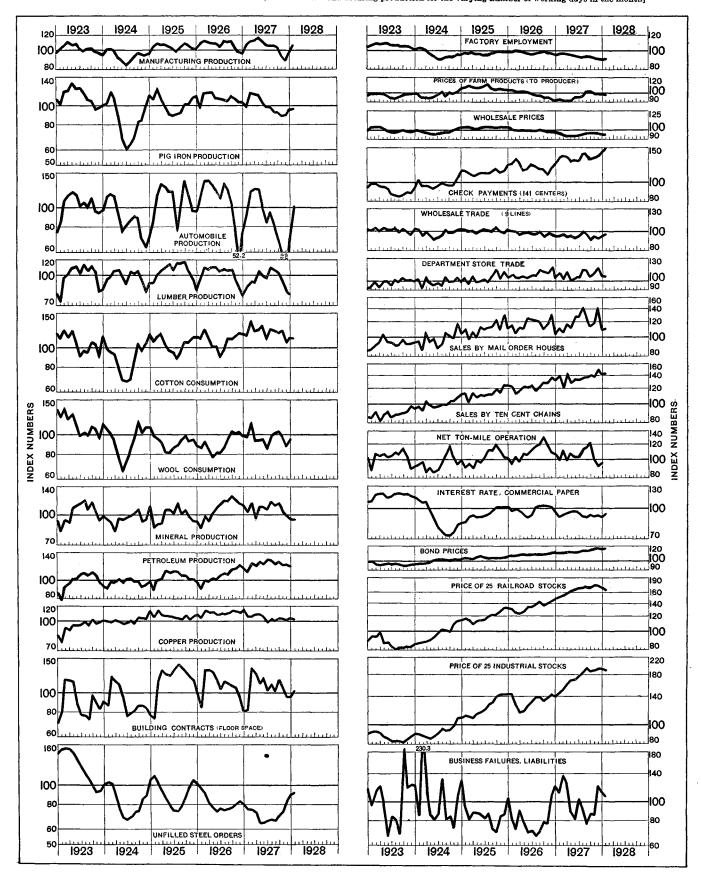
The general level of wholesale prices continued to rise, reaching a point during the month higher than at any time in almost two years. Wholesale prices for iron and steel averaged higher than in the previous month but were still below the level of last year.

Prices for cotton continued to advance, being higher also than a year ago. Prices for stocks listed on the New York Stock Exchange reached a new high record for the month, while bond prices, showing practically no change from the preceding month, were higher than a year ago. Although brokers' loans increased during the month, they were lower than the high record reached early in February. Business failures were less numerous in March than in the preceding month, showing little change, however, from a year ago.

The output of lumber, although running smaller than in February, was considerably larger than in March, 1927. Bituminous-coal production was running larger than in February but was smaller than a year ago. The output of beehive coke, although larger than in February, was only about half as large as in March of last year. Carloadings were running heavier than in February but were smaller than a year ago. Petroleum production showed little change from the preceding month but was considerably smaller than in March, 1927.

MONTHLY BUSINESS INDICATORS, 1920–1928

[Ratio charts—see explanations on inside front cover. The curves on check payments, wholesale trade, sales by mail-order houses, 10-cent chains, and department stores have been adjusted for normal seasonal variations, and that on manufacturing production for the varying number of working days in the month]



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.

	MU	NTH	LY A	VERA	GE	19	26	1927						1928							
ITEM	1923	1924	1925	1926	1927	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Fel
		·				•	,	19	23-19	25 m	onthly	avera	sge=1	00		,	·		·	•	·
Manufacturing production:																					
† Total	102. 3												113. 4	1							
Pig iron		86.7			1		1 1	103.9	1	116.6			1					1	1	96.1	1
Steel ingotsAutomobiles	104. 8 101. 5						100. 3 50. 9		l				1	Į.		1	l .		1	114. 6 70. 2	
Cement	92. 1	99. 8									ľ								1	78.6	1
Lumber (5 species)	98. 6		1					78. 9		1					Į.	1	l .			79.6	
Cotton (consumption)	105. 9								l			1		1				1		113. 5	1
	112.8								1	114. 5			1		i		103. 7	1			1
Baw material output:											ļ]	ĺ			
Total	97. 5	102. 3	100.1	103.9	107. 5	141. 5	120.3	104.7	92.8	96.8	82.8	91. 1	88.1	90. 1	113.8	138.0	154.3	127. 5	107. 6	97. 0	82
Animal products	101.0	101.0			1				85. 4							1	l .	!	1	101. 0	
Crops	92. 2	107. 0					i		93. 2	l .		t .		i		1	215. 8	1	i	94. 6	
Forest products	99. 2	97. 2			1		1 1		84. 3				ľ					1		83, 2	1
Minerals (all)	103. 1	95. 9			1			111.6		115. 3	l		1					102.6			
Crude petroleum	99. 4	96. 9		104.6									1			((117.8	
Bituminous coal	108. 0 93. 3	92. 5 100. 2			1 1			130. 6 115. 5		138. 1 105. 1	79. 6 107. 8			77. 2 99. 4		ı		93. 3 103. 2	1	101. 5 103. 8	
Power and construction:				_														1		l	
Electric power	92. 5	98. 1	109. 5	122. 6	132. 4	129. 3	135. 9	134. 2	121.3	133. 9	127. 9	131. 2	129.1	128. 7	133. 3	131.7	138. 2	137. 1	143.8	144.8	136
Building contracts (37 States)	89. 7	92. 7	117.6	111.0	106. 8	106. 3	96. 6	80. 2	82. 6	132. 4	126.0	111.6	118. 6	102. 4	110. 1	101. 9	115.0	105. 2	95. 2	96.0	103
Unfitled orders:							i					!									
General index	121.7	87.0							81.5										1		
U. S. Steel Corporation	125. 8	83. 6	90. 6	82. 1	71. 1	79. 7	83. 0	79. 6	75.3	74. 4	72. 4	63. 9	63. 9	65. 8	66. 9	65. 9	70.0	72. 4	83. 2	89. 5	92
Stocks:																					J
• General index	88. 9	102. 2		129. 5			1				[l .	1		137. 5	
• Manfd. commodities (28)	86. 6 102. 5	104. 1 91. 4						118. 4						1			l .				
Cotton	102. 5			145. 5 64. 8					196. 2 93. 1		1	ı									
Employment:																		}			
Factories	106. 6	96. 3	97. 2	98. 0	94. 3	97. 4	96. 9	95. 3	97. 0	97. 4	96. 6	95. 6	95. 0	93. 1	93. 2	93. 8	93. 4	91. 6	90.7	89.8	91.
Prices:																		ĺ			
Farm products, to pro-		1	i i			1				ĺ		· '					!	l	1 1		1
ducers	97. 8	97. 1	106. 5	98. 6	94.9	94. 2	92.0	91.3	92. 0	91.3	90.6	91. 3	94. 2	94. 2	95. 7	101.4	100.7	99. 3	99.3	99.3	97.
Wholesale, all commod	99. 7	97. 2	102. 6	99. 1	95. 4	97. 5	97. 0	95. 7	95. 0	93.7	92. 9	92. 9	93.0	93. 3	94. 4	95. 6	96. 1	95. 8	95. 9	95.4	95.
Retail food	97. 6	97. 6	104. 9	107.6	103. 6	108, 2	108. 2	106. 2	104.2	102.9	102. 9	103. 6	106. 2	102. 9	101.6	102. 9	104.3	104. 9	104. 2	103.6	101
Cost of living (incl. food)	98. 1	99.9	102. 3	102. 3	99. 9	102. 3	102.3	101.7	100. 5	99. 9	99. 9	99. 9	100. 5	98. 7	98. 7	99. 3	99. 9	99.9	99.9	99. 2	98.
Distribution (values):							440.0	400.0	400.0												
Bank debits, 141 cities	91. 2		111.9							136. 6								132. 1			
Wholesale trade Department stores, sales	101. 0 98. 3		101. 0 103. 9											95. 0 103. 1							
Mail-order houses, sales	92. 7					109. 4 115. 2															
* 10-cent chains, sales	88. 5		112. 3													1					
Imports.	97. 8	93. 1		114. 3			111. 3			117.1	116.3						110. 1				
Exports	91. 5		107.8					110.5		107.7						í		121.2			
Transportation:																	ļ				
* Car loadings	99.8	97. 6				106.4				109.0										98. 0	
Freight, net ton-miles	102, 2	95. 9	101. 9	109. 1	101.5	116. 2	107. 5	105. 1	98. 8	112.1	99. 4	107. 5	103, 1	102. 9	112. 5	115. 1	122. 1	99.8	92.7	97. 2	
Finance:		00.5	107.4	110 ^	117 ^	,,,,	1100	,,,	,,,,	,,, .	•••	,,,,	,,,		,,,,	,,,,	100 -	100	100 -	, ,	
Member bank loans and disc.	94.1	98. 5										,		115.7							
Interest rate (coml. paper)	115. 9	90.8		98.5	:	103.1	101.7									1 .		1			1
Federal reserve ratio	99.0	104.1			l 1	93. 5												1			
Price, corporation bonds	96. 4	99. 9	1 1							111.2	1 1					l .	i			115.9	
	00 0																				
Price, railroad stocks Price, industrial stocks	86. 0 86. 1	96. 1 91. 9		133. 4 132. 4			143. 3 143. 3					167. 6	165. 3						171.1 193.7		

[†] Adjusted for number of working days.

[•] Seasonal adjustments.

BUSINESS CONDITIONS IN FEBRUARY

PRODUCTION

The output of raw materials in February was smaller than in either the previous month or February, 1927. Manufacturing production after adjustments for working time differences showed an increase over January, but was slightly lower than in February a year earlier. Contrasted with the preceding month, the unadjusted index of manufactures showed larger production of foodstuffs, textiles, iron and steel products, lumber, leather, and automobiles, while smaller

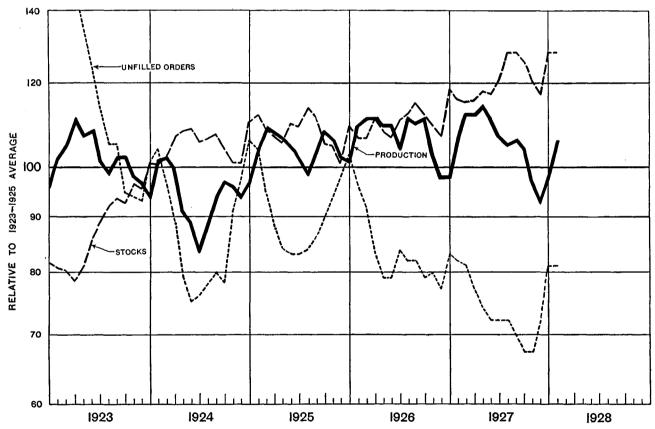
other than foodstuffs, which declined. As compared with a year ago, all groups were held in larger quantities except raw foodstuffs, which registered a decrease.

SALES

Unfilled orders for manufactured goods at the end of February showed no change from the previous month, but were lower than a year ago. Compared with January, forward business on the books of iron and steel manufacturers was larger, while unfilled orders for lumber declined and textiles showed no

PRODUCTION, STOCKS, AND UNFILLED ORDERS FOR MANUFACTURED COMMODITIES

[1923-1925 monthly average = 100. Adjustment has been made for the seasonal movement of stocks and relative number of working days for production. Unfilled orders are principally those of iron, steel, building materials, and textiles. February, 1928, is latest month plotted]



output was registered in paper and printing, chemicals and oils, stone and clay products, and tobacco. As compared with a year ago, all groups were produced in larger volume except textiles, nonferrous metals, paper and chemicals, which declined, and automobiles, which showed no change.

COMMODITY STOCKS

Stocks of commodities held at the end of February, after adjustments for seasonal conditions, were larger than in either the preceding month or February a year ago. Contrasted with the preceding month, all groups showed larger stocks except raw materials, other than foodstuffs, and manufactured commodities,

change. Contrasted with a year ago, unfilled orders for iron and steel alone recorded an advance.

Wholesale trade, after adjustments for seasonal conditions, registered an advance over both the preceding month and February of last year. As compared with a year ago, all lines of wholesale trade showed increases, except women's clothing and furniture, which declined, and men's clothing and hardware, which showed no change. Retail trade in February, as measured by department-store sales, after adjustments, for seasonal variations, was larger than in January but smaller than a year ago. Sales by mailorder houses and 10-cent chain systems recorded advances over both prior periods.

PRICES

The general index of whoesale prices averaged higher than in January, showing an increase also over a year ago. Contrasted with a year ago, the principal increases occurred in prices for farm products, hides and leather products, foods and textile products, while declines were registered in the prices for fuel and lighting, building materials, chemicals, and certain miscellaneous items.

The indexes of prices received by farmers for their produce showed a decline from the previous month, but were higher than a year ago. As compared with last year, all groups showed higher prices except meat

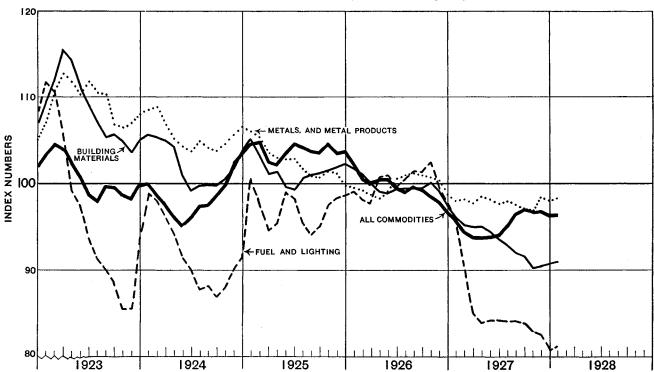
Prices of stocks averaged lower than in January but were higher than in February, 1927, with bond prices making similar comparisons. Brokers' loans were lower at the end of February than at the end of the previous month. Defaulted liabilities of failing business firms were smaller than in either the previous month or February of last year.

EMPLOYMENT

Factory employment in January showed an increase over the previous month but was lower than a year ago, all groups showing advances over January except paper and printing, which declined, and lumber which

WHOLESALE PRICE COMPARISONS, BY GROUPS

[February, 1928, is latest month plotted, 1926 monthly average=100]



animals, which declined. The cost-of-living index registered declines from both the previous month and February, 1927. Retail food costs were also lower than in either prior period.

BUILDING AND CONSTRUCTION

New building contracts awarded in February, measured both in floor space and in value, were larger than in either the preceding month or February of last year. Construction costs showed little change from the previous month but were somewhat lower than a year ago.

BANKING AND FINANCE

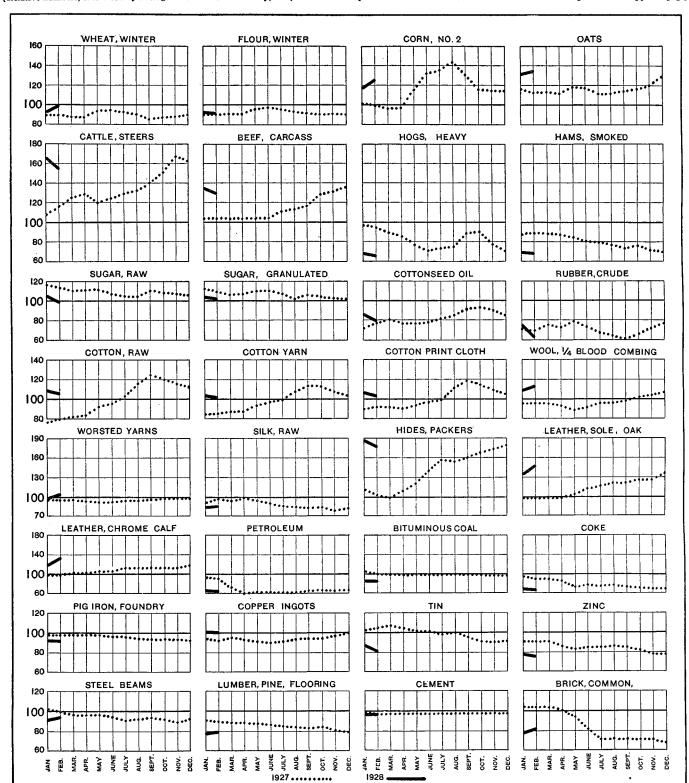
Loans and discounts of Federal reserve member banks receded from the previous month but were higher than a year ago. Interest rates on commercial paper averaged higher than in either prior period. The Federal reserve ratio, although higher than in January, was lower than a year ago.

showed no change. Compared with last year, employment was lower in all groups except leather, which showed an advance. Factory pay roll payments in February also recorded advances over January but were lower than a year ago.

Reports from the American Federation of Labor covering unemployment show a little more than 18 per cent of union members in representative cities to be out of employment in February, representing a slight increase over the condition reported for January. Preliminary figures for March, however, show a small decline. Voluntary quits of factory labor in February were smaller than in either the previous month or the same month of last year. Industrial lay-offs, although smaller than in February, 1927, were larger than in January. Wages of common labor averaged higher than in January but were lower than a year ago.

WHOLESALE PRICES FOR SPECIFIED COMMODITIES

[Relative numbers, 1926 monthly average taken as 100. February, 1928, is latest month plotted. Data from which these charts are drawn are given on the opposite page]



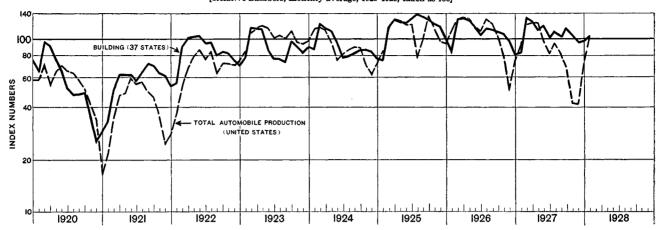
WHOLESALE PRICES FOR SPECIFIED COMMODITIES

Norg.—Prices to producer on farm products and market price of wool are from U. S. Department of Agriculture, Bureau of Agricultural Economics, nonferrous metals from the Engineering and Mining Journal-Press. All other prices are from U. S. Department of Labor, Bureau of Labor Statistics. As far as possible all quotations represent prices to producer or at mill.

•			ACTUAL PRIC	:16:		RE	LATIVE PR	IC E	
COMMODITIES	Unit		(dollars)			1926	average=	100	
		January, 1928	February,	February, 1927	December- 1927	Janu- ary, 1928	Febru- ary, 1928	Janu- ary, 1927	Febru- ary, 1927
FARM PRODUCTS—AVERAGE PRICE TO PRODUCER									
Wheat	Bushel	1. 152	1. 162	1.228	84	85	86	90	91
CornPotatoes	Bushel	.752	.790	. 665 1. 341	107 51	108 50	113 52	92 75	95 72 76 82
Cotton	Pound	. 186	. 170	. 115	124	123	113	70	76
Cottonseed	Ton	37. 40	37. 44	22. 39	137 129	138	138	68	82
Cattle, beef	Pound Pound	.0848	.0872	.0660	129 69	131 66	135 65	100 93	102 95
HogsLambs	Pound	. 1134	.1190	.1084	98	98	103	92	94
FARM PRODUCTS-MARKET PRICE				!					ļ
Wheat, No. 1, northern spring (Minneapolis)	Bushel	1. 293	1. 263	1,403	82	84	82	91	91
Wheat, No. 2, red, winter (Chicago)	Bushel	1.425	1. 538	1.371	90	92	100	89	89
Corn. contract grade No. 2. cash (Chicago)	Bushel	. 886	. 949	.756	114	117	125	101	100
Oats, contract grades, cash (Chicago) Barley, feeding (Chicago)	Bushel	. 564 . 932	. 577	. 480 . 780	129 126	131 134	134 139	116 106	112 112
Rva. No. 2. cash (Chicago)	Bushel	1.085	1. 116	1.051	114	114	117	106	110
Tobacco, leaf, average sales, warehouse (Kentucky) Cotton, middling upland (New York)	Cwt	23. 227	19. 294	10.536	239	274	228	146	124
Cotton, middling upland (New York)	Pound	. 190	. 185	.140	112	108	106	77	80
Wool, ¼ blood, combing, Ohio and Pennsylvania fleeces (Bosten) Cattle, steers, good to choice, corn fed (Chicago)	Pound	. 50 15, 800	. 52 14. 781	. 44 11. 063	107 163	109 166	113 155	96 108	96 116
Hogs heavy (Chicago)	Cwt	8, 320	8. 025	11.644	70	67	65	97	94
Sheep, ewes (Chicago) Sheep, lambs (Chicago)	Cwt	6.050	8. 156	7. 781	85	92	124	98	118
Sheep, lambs (Chicago)	Cwt	12.650	15. 125	13, 238	95	92	110	91	97
FOOD									
Flour, standard patents (Minneapolis)	Barrel	7.450	7. 369	7.419	84	88	88	87	88
Flour, winter straights (Kansas City)	Barrel	6.700	6.656	6. 544	91	92	92	90	90
Sugar, 96° centrifugal (New York) Sugar, granulated, in barrels (New York)	Pound	. 045	. 043	. 049	106 101	104 104	98 102	116 112	113 109
Cottonseed oil prime vellow (New York)	Pound	. 101	. 000	.000	84	85	78	72	77
Cottonseed oil, prime yellow (New York)	Pound	. 220	.212	. 170	136	134	129	104	104
Beef, fresh, carcass, steers (New York)	Pound	. 230	. 230	. 175	139	135	135	104	103
Pork, smoked hams (Chicago)	Pound Pound	. 212	. 210	. 273	70 116	69 109	68 104	87 111	89 116
Oleomargarine, standard, uncolored (Chicago)	Pound	. 235	.235	. 215	103	103	103	94	94
	104114	. 200	1.200		100			"	"
TEXTILES	,	000		200	104	***	101		
Cotton yarns, carded, white, northern, mule spun, 22-1 cones (Boston)	Pound Yard	.369	.360	. 306	104 105	103 106	101 103	84 90	85 92 87 96 96 95 95 97
Cotton-print cloth, 64 x 60-381/4"-5.35—yards to pound Cotton sheeting, brown 4/4 Trion (New York)	Yard	.098	.095	.081	113	105	102	86	87
Worsted yarns, 2/32's cross-bred stock, white, in skein (Boston)	Pound	1.425	1.500	1.375	98	99 97	105	96	96
Woman's dress goods, French, 39 inches at mills, serge	Yard	1.000	1.000	. 995 1. 913	97 96	97	97 97	97 95	96
Suitings, unfinished worsted—13 ounce. mill———————————————————————————————————	Yard Yard	1. 935 2. 093	1. 953 2. 093	2.048	96	97	97	95	95
Silk. Japan. 13-15	Pound	5. 145	5. 292	6. 027	81	83 85	85	91	97
Silk, Japan, 13-15 Hosiery, women's, pure silk, mill	Dozen pair.	10. 290	10. 290	11. 270	86	85	85	93	93
LEATHER					i				
Hides, green salted, packers' heavy native steers (Chicago)	Pound	. 261	. 248	. 145 . 158	178 144	186 173	176 168	111 98	103
Hides, calfskins, No. 1, country, 8 to 15 pounds (Chicago). Leather, chrome calf, dull or bright "B" grades (Boston) Leather, sole, oak, scoured backs, heavy (Boston)	Square foot	. 535	.600	.450	118	118	132	99	91 99
Leather, sole, oak, scoured backs, heavy (Boston)	Pound	. 590	. 650	. 430	135	135	148	98	98
Boots and shoes, men's black call, blucher (Massachusetts)	Pair	6.750	6.750	6. 400 4. 850	102 102	106 102	106 102	100 99	100 99
Boots and shoes, men's dress welt tan calf (St. Louis)	Pair	5. 000	5. 000	4. 800	102	102	102	99	99
FUEL Coal, bituminous, mine-run (composite price)	Net ton	4. 093	4. 069	4. 338	96	95	94	103	101
Coal, bituminous, prepared sizes (composite price)	Net ton	4.545	4.497	4.836	99	95	94	104	101
Coal, anthracite, chestnut (composite price)	Long ton	13. 130	13, 232	13. 724	97	95	96	100	100
Coke, Connellsville (range of prompt and future) furnace—at ovens— Petroleum, crude, Kansas-Oklahoma—at wells———————————————————————————————————	Short ton Barrel	2. 780 1. 220	2. 713 1. 213	3. 700 1. 700	68 65	68 65	66 64	94 93	90
METALS	Dailei	1. 220	1. 210	1.700	00	00	02		90
Pig iron, foundry No. 2. northern (Pittsburgh)	Long ton	19. 010	19. 010	20. 260	92	92	92	98	98
Pig iron, basic, valley furnace	Long ton	17,000	17.000	18.000	92	92	92	97	97
Steel hillete Ressemer (Pittehurgh)	Long ton	33.000	33.000	33.000	94	94	94	100	94
Copper ingots, electrolytic, early delivery (New York) Brass, sheets, mill	Pound	. 1385	. 1382	. 1268	100 99	100 99	100 99	94 95	97 94 92 94
Lead, pig. desilverized, for early delivery (New York)	Pound	. 0650	. 0633	.0742	77	77	75	90	1 88
Tin, pig, for early delivery (New York) Zinc, slab, western (St. Louis)	Pound	.5518	. 5179	. 6653	91 78	.87	81 76	102 91	105 91
BUILDING MATERIAL AND MISCELLANEOUS	I odba	.0002	. 0000				"		
Lumber, pine, southern, yellow flooring, mill	M feet	35. 260 12. 750	36. 120 13. 500	40.040	79	78 78	80 82	91 103	89 103
Brick, common red, domestic building (New York)	Thousand	12.750	13. 500	17. 000	68				1
district)	Barrel	1.600	1.600	1.600	97	97	97	99	97
Steel beams mill (Dittehungh)	Cwt	1.800	1.850	1. 950	92	92 76	95 62	102 70	100
Dublish Don Island Ang (Niew Nest-	Dane 3								
Steel beams, mill (Pittsburgh). Rubber, Para Island, fine (New York). Sulphuric acid 66° (New York)	Pound	. 288 15, 500	. 234 15, 500	. 261 15, 000	107				103
Rubber, Para Island, fine (New York) Sulphuric acid 66° (New York) Wood pulp, sulphite, domestic, unbleached, news grade (New York)	Pound Ton Cwt	15. 500 2. 525	15, 500 2, 525	15. 000 2. 750 3. 250	107 88 94	107 88 94	107 88 94	103 96 94	103 96 94

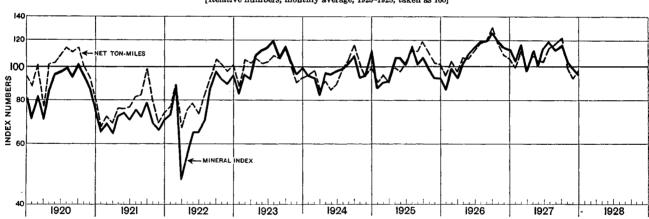
NEW BUILDING CONTRACTS AND AUTOMOBILE PRODUCTION

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

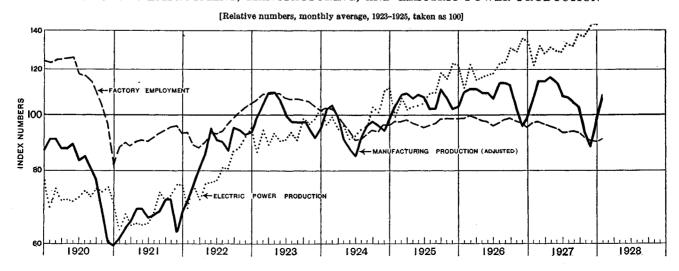


MINERAL PRODUCTION AND RAILROAD TON-MILEAGE

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



FACTORY EMPLOYMENT, MANUFACTURING, AND ELECTRIC POWER PRODUCTION



REVIEW OF PRINCIPAL BRANCHES OF INDUSTRY AND COMMERCE

TEXTILES

The supply of wool in February from both domestic and foreign sources was less than a year ago, the decline being particularly marked in imports. In spite of this smaller supply, consumption of wool by textile mills was slightly larger than a year ago. Wool prices rose over the January average and woolens showed the same tendency but to a smaller degree.

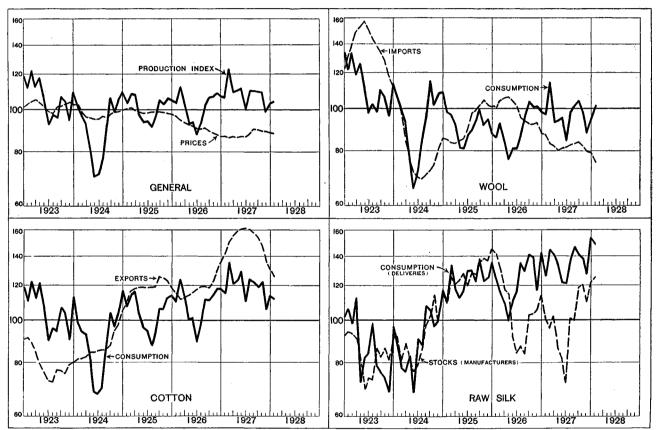
Owing to the smaller cotton crop of 1927, which the final ginnings reveal at 12,755,000 bales, both receipts

of cotton cloth continued to fall behind last year and prices of cotton goods were lower than in January. Cotton finishing establishments also operated at a lower rate than last year.

Imports and deliveries of raw silk in February were considerably higher than last year and while warehouse stocks were less, manufacturers' stocks were higher. The activity of broad looms was higher than last year but narrow looms and spindles were working at a lower percentage of activity. The price of silk rose

THE TEXTILE INDUSTRIES

[Relative numbers, monthly average 1923-1925, taken as 100. February, 1928, is latest month plotted. Curves covering imports of wool and exports of cotton are plotted from 12 months' moving monthly averages centered on the end month]



and exports are falling behind the previous year's crop at this time. Consumption by textile mills, however, is only slightly smaller than a year ago, but stocks, both in the United States and for the world, are considerably lower than at the end of February, 1927. Cotton prices declined from January but were still much higher than a year ago.

The activity of cotton mills in February was on about the same level as the previous month but less than a year ago, while yarn prices declined from January. New orders for cotton textiles were higher than in January, but were lower than production, thus resulting in a decline in unfilled orders. Exports

as compared with January but was lower than last year. Rayon imports declined from January, but were much higher than a year ago, while prices have remained unchanged for several months.

Hosiery showed a decline in January from a year ago in production, shipments, new orders, and unfilled orders, while stocks increased. For knit underwear, however, all items except new orders increased in February over a year ago. Production and stocks of fresh water pearl buttons were much larger a year ago than in February. Large increases were made over a year ago in imports of burlaps and fibers and in the manufacture of pyroxylin-coated textiles.

METALS

Iron ore imports and consumption in February were ahead of last year, although consumption for two months was slightly lower. Stocks of ore were also slightly less than at the end of February, 1927. Pigiron production showed a falling off from last year, especially in merchant furnaces. Production was slightly higher than in January, in spite of the shorter month, and more furnaces were in blast than at the end of January.

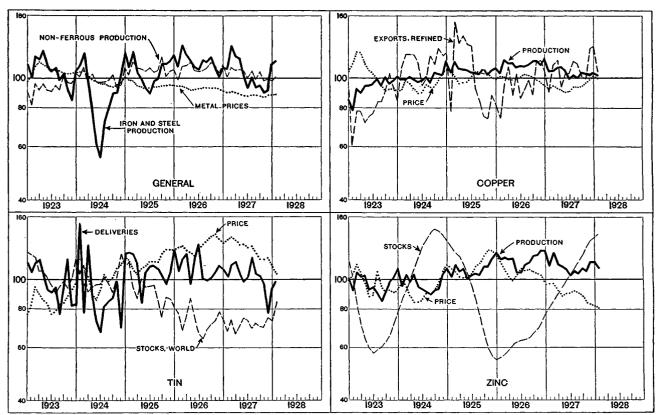
The output of steel ingots increased over both the previous month and last year, while unfilled orders of the United States Steel Corporation continued to gain,

In the machinery line, new orders, shipments, and unfilled orders of machine tools were much higher than a year ago, as were new orders and shipments of electric hoists. Washing-machine shipments were slightly higher than last year, while declines occurred in steams power and centrifugal pumps, in electric overhead cranes and in foundry equipment.

Production of copper except at the mines was higher than a year ago, but the total for two months was less than last year in all stages. Exports continued in a higher rate than in the year 1927 and stocks were lower. Prices of copper showed little change from January but was higher than last year.

THE METAL INDUSTRIES

[Relative numbers, monthly average 1923-1925, taken as 100. February, 1928, is latest month plotted. Curve covering zinc stocks is plotted from 12 months' moving monthly averages centered on the end month]



being the largest in two years. Production and new orders of steel castings were less than a year ago, both for February and for two months, while for steel sheets, increases over a year ago were shown in production, stocks, shipments, new orders, and unfilled orders. Steel prices were generally higher than in January but still below a year ago.

Among the fabricated steel products, increased activity over a year ago was noted in fabricated structural steel and in steel furniture both new orders and shipments making gains, while for fabricated steel plate and steel boilers, new orders were less than a year ago. Exports of iron and steel, although lower than in January, were higher than last year.

World visible stocks of tin were higher at the end of February than a year ago, but stocks in the United States were less and imports increased over January and a year ago, but the two-month total showed a decline. Tin prices continued to decline, and zinc output declined slightly from last year, while stocks were higher. The price of zinc declined and was considerably lower than last year. Lead production was slightly higher than a year ago, but for two months was less. The price of lead also declined. Orders and unfilled orders of enameled sanitary ware were higher than a year ago, shipments and stocks being lower.

AUTOMOBILES

The production of automobiles in February was larger than a year ago, despite a decline in the output of trucks. Exports were also larger than last year, while foreign assemblies declined. Shipments and exports of accessories and parts were also larger than in February, 1927. Imports of rubber declined from January but were larger than a year ago, while the price of rubber declined from both periods.

FUELS

Bituminous-coal production declined both from January and a year ago, exports showing similar

HIDES AND LEATHER

Imports of hides and skins continued to increase over a year ago, while the production of hides, as shown by slaughter of cattle, declined. Prices of hides turned downward in February after a long period of increase.

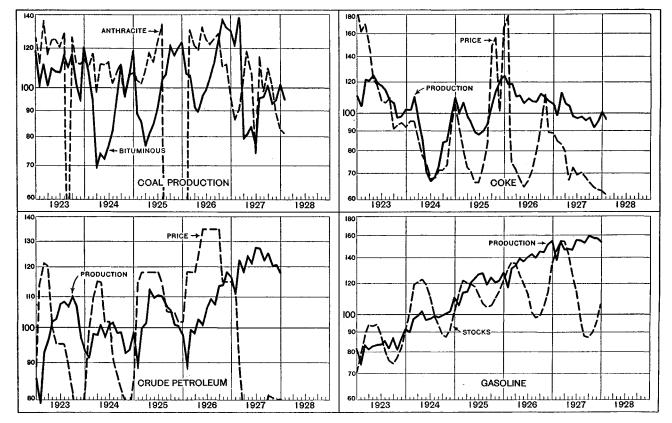
The production of sole leather increased over both the previous month and a year ago, but unfilled orders for harness leather declined. Exports of leather continued far above those for last year and prices continued to increase. The output of shoes was slightly larger than a year ago, but exports declined.

PAPER AND PRINTING

The output of newsprint paper declined from last year, but the Canadian production showed a consid-

THE FUEL INDUSTRIES

[Relative numbers, monthly average 1923-1925 taken as 100. February, 1928, is latest month plotted where data were available]



tendencies. Prices showed little change from January but were less than in February, 1927. Anthracite production declined slightly from both periods, but exports were much larger than a year ago. Prices advanced slightly over January but were less than a year ago. A falling-off in beehive coke production from last year was counterbalanced by a gain in byproduct coke, although the comparison with January showed the reverse tendency. Exports of coke increased over both periods, while prices declined. The output of petroleum in February was smaller than in last year and slightly lower than in January. Prices of petroleum and its products showed little change from January.

erable increase. Publishers consumed more than a year ago and imports were much greater. Mill stocks at both the United States and Canada were much higher than last year, publishers' stocks being slightly less.

Production, shipments and new orders for boxboard were higher than last year, both for February and for the two months' total, while stocks and unfilled orders were smaller at the end of February than a year ago. Production of paper board shipping boxes was less than a year ago, both for February and for two months, but was much higher than the January output.

New orders and shipments of sales books were greater than a year ago, while shipments of cash checks declined.

BUILDING

Contracts awarded for new buildings, measured both in value and in floor space, were larger than in either the previous month or the corresponding month of 1927. Residential building, representing more than half of the total value, showed the largest relative gains over both periods, while the value of awards for new commercial and industrial buildings were smaller than in either prior period. Construction costs showed but little change from either period. Fire losses were lower than in January but considerably larger than February, 1927.

LUMBER AND LUMBER PRODUCTS

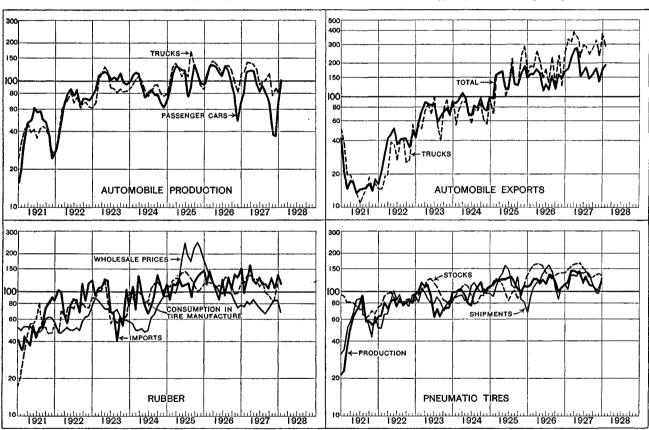
The output of lumber was larger than a year ago, most of the principal species except Douglas fir showing

STONE AND CLAY PRODUCTS

The output and shipments of face brick were larger than in the previous month, with shipments showing an increase also over last year. Stocks of face brick were larger than in either the previous month or February a year ago. Prices for common brick averaged higher than in January. The output of Portland cement was smaller than the previous month but considerably greater than last year, while cement stocks also showed a gain over a year ago. Production of plate glass was larger than in either prior period. New orders for terra cotta, measured in value, were larger than in either the previous month or February a year ago.

THE AUTOMOBILE AND RUBBER INDUSTRIES

[Relative numbers, monthly average 1923-1925 taken as 100. Where available, February, 1928, is latest month plotted]



increased production; increases were also made over January. Shipments of lumber by manufacturers were generally higher than in either the preceding month or February of last year. Stocks of lumber were generally higher than a year ago. Prices averaged higher than in the preceding month but were lower than a year earlier.

Production of flooring, both oak and maple, was greater than the previous month. As compared with a year ago, the output of oak flooring increased but maple declined. Shipments of oak were larger than in either prior period, while maple flooring shipments showed declines for both periods. Stocks of oak were larger than a year ago, while maple stocks were smaller.

CHEMICALS

Imports of nitrate of soda were larger than in either the preceding month or the same month of last year, and exports of sulphuric acid, although greater than in January, were considerably smaller than a year ago. Exports of fertilizers were smaller than in either prior period, while exports of dyes showed gains over both periods except coal-tar dyes, which declined from last year. Production of crude methanol was smaller than either the previous month or February of last year, but the output of refined methanol, although lower than in the preceding month, was considerably greater than in February, 1927.

FOODSTUFFS AND TOBACCO

The visible supply of wheat was substantially greater than a year ago, as were receipts and shipments. Exports of wheat from the United States showed declines from both the previous month and February a year ago. Wholesale prices were generally lower than in either prior period.

The visible supply of corn was lower than a year ago, but receipts and shipments increased. Exports of corn were more than twice as large as in either the previous month or February a year ago. Corn prices were higher than in either prior period. The visible

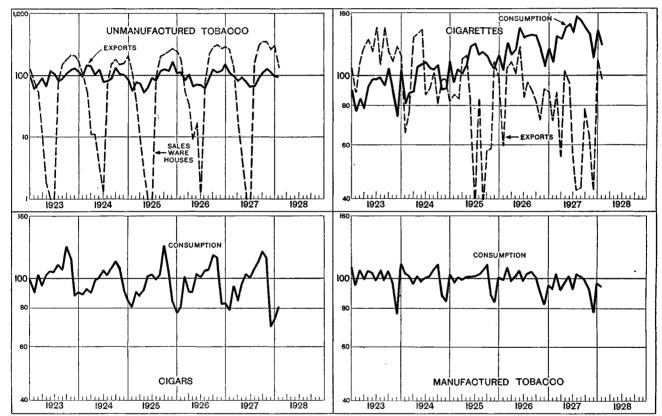
for hogs and pork products averaged lower than last year.

Receipts of sheep and lambs were larger than a year ago, while production and storage holdings of lamb and mutton were smaller. Prices for sheep and lamb averaged higher than last year. Receipts of poultry at principal markets were larger than a year earlier, while storage holdings were substantially lower. The total catch of fish, although greater than in January, was lower than February of last year, and storage holdings also declined.

Receipts of butter were heavier than a year ago, with storage holdings almost twice as large, but prices

THE TOBACCO INDUSTRIES

[Relative numbers, monthly average, 1923-1925, taken as 100. February, 1928, is latest month plotted]



supply of oats was lower than a year ago, while receipts and prices were generally higher. The supply of barley also showed a decline from last year with prices averaging higher. Barley receipts at primary markets were smaller than in either the previous month or the same month of last year. The visible supply of rye showed a decline from a year ago, while rye prices were higher than in either the previous month or February of last year.

Receipts and slaughter of cattle and calves were lower than in February, 1927, and storage holdings of beef products also declined. Wholesale prices for cattle and beef products averaged higher than a year ago. Receipts and slaughter of hogs were considerably larger than in February of last year, while storage holdings of pork products were higher. Prices

averaged lower. Receipts of cheese were lower than last year, while storage holdings and prices also declined. Receipts of eggs were larger than last year while storage holdings of case eggs were smaller.

Imports and meltings of raw sugar were lower than a year ago, while stocks at refineries increased. Prices of sugar averaged lower than in either the preceding month or in February of last year. Imports of coffee, although smaller than in January, were larger than a year ago. The visible supply of coffee was greater than last year but prices averaged higher.

Consumption of cigars was greater than in either the previous month or February of a year ago. Consumption of cigarettes and of manufactured tobacco and snuff was lower than in the previous month but higher than in February a year earlier. Exports of cigarettes and of leaf tobacco declined from both prior periods.

TRANSPORTATION

Car loadings of freight, although larger than in January, were lower than a year ago, the decline from last year being very larely due to smaller loadings of coal and ore. Loadings of grain and grain products and livestock were larger than last year, while loadings of merchandise and goods in less than carloads were slightly smaller. Clearances of vessels plying foreign trade, although smaller than in January, showed larger tonnages than a year ago, with increases over last year larger in both American and foreign bottoms. Merchandise warehouse space was 79 per cent filled at the end of January.

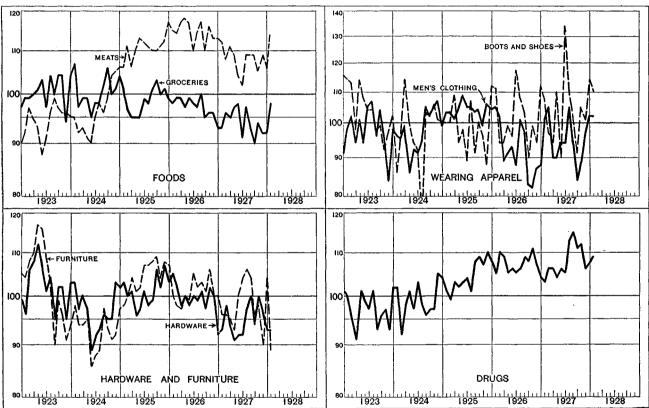
Total reserves showed practically no change from the previous month but were lower than a year ago while the reserve ratio, although slightly higher than in January, was lower than in February, 1927. Interest rates on commercial paper averaged higher than in either prior period. Call loan rates, although lower than in January, were higher than a year ago. Brokers' loans were lower than in January but higher than a year ago, while stock prices made similar comparisons.

GOLD, SILVER, AND FOREIGN EXCHANGE

Domestic receipts of gold at the mint were lower than in January but greater than a year age. Imports of gold was substantially lower than in either prior

WHOLESALE TRADE

[Relative numbers, monthly average 1923-1925 taken as 100. February, 1928, is latest month plotted. Curves are adjusted for seasonal variation]



DISTRIBUTION MOVEMENT

Postal receipts showed practically no change from the previous month but were larger than a year ago. Newspaper advertising declined from both the preceding month and February, 1927. Sales by the leading mail-order houses were generally larger than in either the previous month or the corresponding month of last year. Ten-cent store business was likewise higher than in either prior period.

BANKING AND FINANCE

Check payments, both in and outside New York City, were lower than in January but larger than a year ago. Loans and discounts of Federal reserve member banks, although lower than in the preceding month, were higher than a year ago. Bills discounted by Federal reserve banks showed an increase over both the preceding month and February of last year.

period, while gold exports, although lower than in January, were ten times as large as a year ago, the export balance in February contrasting with an import balance a year earlier. Production of silver was smaller than in either the previous month or in February, 1927. Imports of silver, although lower than in January, were greater than a year ago, while exports showed gains over both prior periods. The price of silver averaged lower than in either the preceding month or February of a year ago. Exchange on the principal foreign countries showed little change from the preceding month, but, as compared with a year ago, the Italian lira was substantially higher, while the Japanese ven showed a decline. Imports of merchandise into the United States showed larger values than either the preceding month or February of last year. Exports, although smaller than in January, were slightly larger than a year ago.

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. Many of the index numbers have been reworked to a comparable basis on the average of the years 1923 to 1925, while maxima and minima are given only since 1923, except on this page, thus eliminating the abnormal period prior to 1923. Other index numbers will be revised on the 1923 to 1925 base as soon as the limited printing appropriations will allow their presentation in complete form.

	Maxi-	Mini-		19	27		19	28	PER CENT IN OR DECR	CREASE (+ Ease (-)
	mum since Jan. 1, 1920	mum since Jan. 1, 1920	January	Febru- ary	Novem- ber	Decem- ber	January	Febru- ary	February, 1928, from January, 1928	February 1928, froi February 1927
PRODUCTION										
(Relative to 1919 monthly average as 100)								1		
	-	ļ] }		ŀ					
RAW MATERIALS			400	400	440	400		400		
Grand total	180	73	122	108	148	127	113	107	-5.3	-0.9
MINERALS	1									
	102	00	147	137	135	130	131	124	-5.3	-9.
Cotal		62	147 227	215	234	235	229	215	-6.1	0.
Petroleum	256	105	147	136	105	106	114	106	-7.0	-22.
Bituminous coalAnthraeite coal	155 122	41	89	80	94	82	77	75	-2.6	-6.
Anthracite coal	122	ŏ	09	0	51	0	i '6	0	- <u>2</u> . 0	0.
Iron ore*			11		135	_	11 7	134	-1.5	-2.
Copper		17	151 183	137 171	184	$\begin{array}{c c} 133 \\ 182 \end{array}$	136 175	178	-1.5 + 1.7	-2. +4.
Lead		78	136	136	130	139	139	133	-4.3	-2.
Zine		38						73	-4. 3 -6. 4	
Gold		57	82 110	67 105	93 106	77 106	78 104	95	-8. 7	+9. -9.
Silver	145	80	110	109	100	100	104	ยบ	-0.7	— y.
ANIMAL PRODUCTS (marketings)					:					
`otal	138	80	111	99	124	123	117	113	-5.1	+14.
Wool*		19	34	36	51	49	45	36	-20.0	0
Cattle and calves	143	58	89	76	114	82	86	74	-14.0	-2.
Hogs.		64	114	89	98	113	142	141	—. 7	+58.
Sheep.		54	77	66	84	71	75	74	-1.3	+12.
Eggs*		30	82	99	51	51	73	111	+52.1	+12
Poultry	390	21	140	96	310	355	148	105	-29.1	+9.
Fish		45	105	112	122	79	113	108	-4.6	-3.
Milk (New York)		94	142	132	145	145	146	139	-4.8	+5.
CROPS (marketings)	İ									
Total	246	49	122	103	173	129	104	93	-10.6	-9.
Grains*		43	104	89	130	122	115	124	+7.8	+39.
Vegetables*	254	58	127	119	149	102	143	148	+3.5	+25.
Fruits*		50	96	94	152	89	70	67	-4.3	-28.
Cotton producte*	346	12	150	118	244	155	87	59	-32. 2	-50.
Cotton products* Miscellaneous crops*	170	18	113	100	147	106	111	62	-44. 1	-38.
FOREST PRODUCTS							il.			
Total	136	61	98	103	117	106	101	108	+6.9	+4.
Lumber		59	101	107	110	101	102	114	+11.8	+6.
Pulp wood		51	79	90	120	119	107	90	-15.9	Ŏ.
Gum (rosin and turpentine)*	356	20	61	42	251	198	64	44	-31.3	+4.
Distilled wood		24	116	100	103	94	97	108	+11.3	+8.
MANUFACTURING										
Frand total (adjusted for working days)	138	71	117	129	111	105	118	130	+10.2	+0.
Grand total (unadjusted)		68	117	119	111	105	118	125	+5.9	+5.
Foodstuffs	135	77	103	94	107	107	117	126	+7.7	+34.
Textiles	133	54	115	113	118	103	îii	112	+. 9	\
Iron and steel	152	32	126	126	104	106	130	132	+1.5	+4.
Lumber	166	57	123	127	127	118	122	135	+10.7	+6.
Leather	115	63	80	86	83	79	83	89	+7.2	+3.
Paper and printing	127	69	118	106	102	104	104	98	-5.8	− 7.
Chemicals, oils, etc.	211	92	198	176	206	199	187	176	-5.9	Ö.
Stone and clay products	190	69	90	90	155	131	104	99	-4.8	+11.
Metals, excepting iron and steel	195	71	160	150	139	129	144	144	ō	-4.
	147	70	115	107	135	103	120	116	-3. 3	+8.
Tobacco	_ 147									

[•] Fluctuations between maximum and minimum due largely to seasonal conditions.

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INDEXES OF BUSINESS—Continued

	Maxi-	Mini-		19)27		19	28	PER CENT IN	icrease (+) ease (-)
	mum since Jan. 1, 1923	mum since Jan. 1, 1923	January	Febru- ary	Novem- ber	Decem- ber	January	Febru- ary	February, 1928, from January, 1928	February, 1928, from February, 1927
STOCKS										
(Relative to 1923-1925 monthly average as 100)										
(Corrected for seasonal variation)							[] []			
TotalRaw foodstuffs	153 222	84 72	140	143	140	141	138	145	+5.1	+1.4
Raw materials for manufacture	170	71	164 159	178 156	164 158	166 157	134 170	168 159	$+25.4 \\ -6.5$	-5.6 +1.9
Manufactured foodstuffsOther manufactured commodities	118 141	84 73	86 130	84 127	94	89 127	91	95	$\begin{array}{r} +4.4 \\ -2.8 \end{array}$	+13.1
	141	13	130	121	130	127	141	137	-2.8	+7.9
(Unadjusted index) Total	151	77	144	447	141	145	140	454	100	
Raw foodstuffs.	197	60	144 176	147 193	141 138	145 157	142 155	151 189	$+6.3 \\ +21.9$	+2.7 -2.1
Raw materials for manufacture	196 132	64	165	153	196	185	169	149	-11.8	-2.6
Other manufactured commodities	132	79 74	87 127	85 128	92 133	84 136	90 137	96 138	6. 7 0. 7	+12.9 +7.8
UNFILLED ORDERS		}			1					
(Relative to 1923–1925 monthly average as 100)										
Total	157	67	83	82	67	72	81	82	+1.2	-0.0
Textiles	154	62	85	91	76	69	77	80	+3.9	-12.1
Iron and steel Vehicles	157 204	66 53	80 91	76 91	71 51	85 57	89 64	90 64	$+1.1 \\ 0$	+18.4 -29.7
Lumber	142	56	83	80	61	56	79	76	-3.8	-29.7 -5.0
WHOLESALE TRADE		1								
(Relative to 1923-1925 monthly average as 100)		ļ								
Grand total, all classes	124	82	87	91	93	82	87	92	+5.7	+1.1
Groceries Meats	119 125	86	86 113	81 107	100 101	91 102	85 106	85 108	0 + 1.9	$+4.9 \\ +0.9$
Dry goods	128	71	78	88	88	70	85	89	+4.7	+1.1
Men's clothing Women's clothing	167 188	43 26	68 71	128 95	63 45	50 39	76 65	128 88	+68.4 +35.4	$-\frac{0}{7.4}$
Boots and shoes	128	68	92	85	110	82	94	87	-7.4	-7.4 + 2.4
Hardware	118 125	82 88	82 102	82 94	98 112	90	83	82	-1.2	0
Drugs Furniture	129	72	88	96	104	85	106 91	101 89	$ \begin{array}{c c} -4.7 \\ -2.2 \end{array} $	+7.4 -7.3
RETAIL TRADE										
(Relative to 1923-1925 monthly average as 100)										
MAIL-ORDER HOUSES (4 houses)	156	64	103	101	149	167	105	108	+2.9	+6.9
Ten-cent (14 chains)	250	62	96	104	146	279	104	115	+10.6	+10.6
Grocery (34 chains)	192 169	77 82	155 134	$\frac{148}{129}$	189 144	202 182	188 146	194 148	$+3.2 \\ +1.4$	+31.1 + 14.7
Cigar (4 chains)	160	79	97	99	105	156	90	96	+6.7	-3.0
Candy (4 chains)	161 163	70 55	95 82	103 84	125 118	164	100 87	106 86	+1.1 +5.7	+2.9 +2.4
DEPARTMENT STORES: Sales *	186	71	89	83	122	100	88			
Stocks *	117	83	92	97	116	186 96	91	85 97	$\begin{array}{rrr} -3.4 \\ +6.6 \end{array}$	$+2.4 \\ 0$
EMPLOYMENT										
(Relative to 1923-1925 monthly average as 100)										
Number employed, by industries:	100	00		A						
Total, all classesFood products	109 112	90 90	95 93	97 92	92 95	91 94	90 91	91 92	+1.1 +1.1	-6.2
Textiles	114	85	95	97	94	94	93	94	+1.1	-3.1
Iron and steelLumber	114	87 86	97 88	99 87	88	87	87 80	89 80	+2.3	-10.1 -8.0
Leather	112	88	97	98	90	88	92	104	+13.0	+6.1
Paper and printingChemicals	106 111	97 88	104 103	104 105	105 96	105 95	104 94	103 98	$\ -1.0$	$\begin{array}{c c} -1.0 \\ -6.7 \end{array}$
Stone, clay, and glass		91	91	93	95	91	85	86	$+4.3 \\ +1.2$	-6.7 -7.5
Metal products other than iron and		87					1			
steelTobacco products		82	$\begin{array}{c c} 96 \\ 82 \end{array}$	96 88	90	89	87 82	90 85	+3.4 +3.7	-6.2 -3.4
Vehicles Miscellaneous	110	82 86	87 108	92	82 96	83 97	85 96	89	+4.7	-3.3
wiscenaneous	119	00	108	110	90	91	1 90	94	-z. 1	-14. 5

 $[\]mbox{\ensuremath{\bullet}}$ See tables on p. 20 of this issue for previous data.

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INDEXES OF BUSINESS—Continued

	Maxi-	Mini-		19)27		19	28	PER CENT IN	CREASE (+) EASE (-)
	mum since Jan. 1, 1923	mum since Jan. 1, 1923	January	Febru- ary	Novem- ber	Decem- ber	January	Febru- ary	February, 1928 from January, 1928	February, 1928 from February, 1927
EMPLOYMENT—Continued.										
(Relative to 1923-1925 monthly average as 100)							1			
Amount of pay roll, by industries:										
Total, all classes	111	85	96	102	93	94	91	95	+4.4	-6.9
Food products	108	90	96	95	98	97	95	97	+2.1	+2.1
TextilesIron and steel	115 117	78 79	96 99	$\begin{array}{c} 102 \\ 104 \end{array}$	94 88	95 90	93 87	96 95	+3.2	-5.9 -8.7
Lumber	107	84	88	91	94	89	81	84	+9. 2 +3. 7	-0. 7 -7. 7
Leather	117	84	94	100	81	83	88	93	+5.7	-7.0
Paper and printing	114	94	110	111	112	114	111	110	9	- . 9
Chemicals Stone, clay, and glass	114 111	89 84	106 90	110 97	101 97	102 93	100 86	102 88	$+2.0 \\ +2.3$	-7.3 -9.3
Metal products other than iron and steel_	114	81	95	99	88	90	87	93	+6.9	-6.1
Tobacco products	111	81	81	84	95	92	82	83	+1.2	-1.2
Vehicles Miscellaneous	114 119	79 86	79 113	$\begin{array}{c} 95 \\ 115 \end{array}$	84 97	86 105	83 100	94 97	+13.3 -3.0	-1.1 -15.7
	119	80	119	119	91	105	100	91	- 5. 0	- 15. 7
PRICE INDEX NUMBERS						!				
FARM PRICES										
(Relative to 1909-1914 average as 100)					1					
All groups	152	125	126	127	137	137	137	135	-1.5	+6.3
Grains Fruits and vegetables	178 253	108 108	$120 \\ 140$	$122 \\ 142$	120 136	123 141	125 144	128 153	$\begin{array}{c c} +2.4 \\ +6.3 \end{array}$	+4.9 +7.7
Meat animals	154	98	140	143	141	138	138	139	+.7	-2.8
Dairy and poultry	166	122	152	143	153	158	154	144	-6.5	+.7
Cotton and cottonseedUnclassified	252 108	81 79	85 87	94 84	162 86	153 90	152 91	141 90	$ \begin{array}{c c} -6.2 \\ -1.1 \end{array} $	+50.0 +7.1
WHOLESALE PRICES	108	19	01	04	00	90	91	90	-1.1	⊤ 1.1
Department of Labor Indexes					İ					
(Relative to 1926)										
All commodities	105	94	0~	0.0	0.00	0.00	0.0	0.0		
Farm products	114	94	97 97	96 95	97 104	97 104	96 106	96 105	0.0 9	0.0 +10.5
Food, etc	106	85	97	96	102	101	99	99	0.8	+3.1
Hides and leather products	124	98	101	100	114	117	121	124	+2.5	+24.0
Textile products Fuel and lighting	$\frac{114}{112}$	94 84	94 98	95 96	98 83	97 83	97 81	97 81	0	+2.1
Metals and metal products	113	97	99	96 98	97	98	98	98	0	-15.6 0
Building materials	116	90	98	96	90	90	91	91	0	-5.2
Chemicals	104 111	95	98	98	97	97	96	96	0	-2.0
House-furnishing goods Miscellaneous	127	98 87	98 90	98 91	99 88	99 89	99 89	98 87	$ \begin{array}{c c} -1.0 \\ -2.2 \end{array} $	$-\frac{0}{4.4}$
Commercial Indexes								•		2
(Relative to 1926 monthly average as 100)										
Dun's	105	8 5	98	97	103	102	102	103	+1.0	+6.2
Bradstreet's	112	95	97	97	105	105	105	103	-1.9	+6.2
COST OF LIVING										
National Industrial Conference Board Indexes										
(Relative to July, 1914)			ļ [
All items weighted	172	158	167	165	164	164	163	162	6	-1.8
Food (Dept. Labor)	167 186	141 167	159	156	157	156	155	152	-1.9	-2.6
Clothing	177	160	173 173	$\begin{array}{c} 172 \\ 172 \end{array}$	167 171	166 171	166 172	$\frac{165}{171}$	6 6	$-4.1 \\6$
Fuel and light (combined)	179	156	168	167	163	163	163	163	0.	-2.4
Fuel	208	174	192	190	184	184	184	184	0	-3. 2
Light Sundries	$\frac{123}{176}$	118 171	121 174	$\frac{121}{174}$	$\begin{array}{c c} 122 \\ 173 \end{array}$	$\begin{array}{c} 122 \\ 173 \end{array}$	$\begin{array}{c c} 122 \\ 172 \end{array}$	$\begin{array}{c} 122 \\ 172 \end{array}$	$\begin{bmatrix} 0 \\ 0 \end{bmatrix}$	+.8 -1.1
Manation = = = = = = = = = = = = = = = = = = =	110	111	1,4	11.4	119	110	112	114	"	1. 1

MISCELLANEOUS DATA

DOORS AT WHOLESALE, 1928 1

(In number of doors)

	WHITE-PI	NE DOORS	FIR DOORS		
ITEM	January	February	January	Febru- ary	
Receipts	10, 756	18, 763	9, 175	18, 069	
Shipments	12, 465	19,309	8, 860	15, 524	
Stocks, end of month	111, 313	116, 234	47, 601	80, 340	
Unsold stocks	94, 534	88, 582	41,637	65, 764	

¹ Compiled by the Wholesale Sash and Door Association from reports of 20 firms in January and 25 in February.

HOTEL ROOM OCCU-PANCY 1

(Per cent of rooms occupied)

MONTH	1926-27	1927-28
October	76	72
November	. 74	73
December	67	66
January	71	72
February	72	71

i Compiled by Horwath & Horwath from reports of more than 100 hotels throughout the country. Data include both transient and residential hotels.

SALES OF RUBBER BANDS 1

(Packaged)

MONTH	Pounds	MONTH	Pounds
1927 October November December	196, 2 01 181, 046 19 2 , 926	1928 January February	217, 798

¹ Compiled by the Rubber Association of America (Inc.), Rubber Sundries Manufacturers' Division. From data reported by 8 manufacturers estimated to represent 30 per cent of the industry.

RADIO STOCKS IN DEALERS' HANDS 1

ITEM	Oct. 1, 1927	Jan. 1, 1928	ITEM	Oct. 1, 1927	Jan. 1, 1928
Number of dealers	7, 482	7, 737	Socket power units (eliminators):		
Receiving sets:			Total	41,332	49, 753
Battery-operated	65, 921	62, 778	7790.00		
AC. operated	6, 987	25, 584	Receiving tubes:		
Loud speakers:			Battery4	94, 561	522, 806
Ordinary	63,861	74, 771	AC	29, 278	115, 004
Amplified	3, 280	3, 054	ĺ		-
Batteries:			Rectifying tubes:		
Storage	52, 242	42, 500	Total	36, 208	39, 813
Dry	246, 143	226, 835	1	•	j ,

¹ Compiled by U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce, with the cooperation of the National Electrical Manufacturers' Association, Radio Division. Detailed data by States are given in the press releases issued by the Department of Commerce.

CEMENT PRODUCTION 1

(Ratio to capacity)

MONTH	1927	1928	MONTH	1927
January	45. 1	49.4	July	90, 4
February	44.6	47.5	August	94. 5
March	61.9		September.	92.3
April	78.1		October	87.4
May	88. 9	[November.	75. 9
June	93. 1		December	60. 7

¹ Compiled by the *U. S. Department of Commerce, Bureau of Mines*, representing the relation of cement production to the estimated capacity of the entire industry.

GAS-FIRED BOILERS: JANUARY, 1928 ¹

ITEM	Boilers
Shipments (dollars)	96, 589
Shipments (thous. B. t. u.)	86, 892
Production (thous. B.	132, 733
Stocks, end mo. (thous. B. t. u.)	846, 845

¹Compiled by the Gas Heating Boiler and Furnace Association from reports of 8 manulacturers, estimated to represent about 75 per cent of the industry. Total shipments for previous years were as follows: 1925, \$1,100,752; 1926, \$2,293,345; 1927, \$2,702,799.

CANADIAN PASSENGER-CAR PRODUCTION 1

[Number of vehicles]

MONTH	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
January	1, 415	2, 054	884	4, 992	5, 544	6, 147	2, 895	6, 324	2, 358	4, 629	9, 341	9, 841	8, 301	11, 781	11, 745
February	1, 562	2, 549	1,854	5, 299	6,855	5, 681	2,482	8, 544	3, 711	6, 907	10, 910	12, 072	10, 779	14, 761	14, 826
March	2, 273	3, 061	3, 558	6,833	9, 543	9, 482	4, 557	9, 254	6,608	9, 892	13, 742	15, 194	13, 014	17, 989	19, 723
April	2, 717	2, 496	4, 459	6, 620	9, 853	10, 378	6, 151	7, 862	7, 978	10, 640	14, 331	14, 448	15, 515	17, 929	20, 890
May	1, 907	2, 160	4, 151	6, 944	12, 071	10, 124	9,749	10, 075	10, 334	12, 195	16, 705	15, 291	18, 351	21, 429	21, 991
June	1,470	2, 167	3, 700	3, 566	9, 635	5, 733	9,789	9,872	7,702	10, 423	13, 299	10, 757	14, 249	18, 818	16, 470
July	1, 483	1, 196	2,719	2,666	8,014	5, 879	9, 172	10, 290	5, 360	6, 731	10, 475	8, 619	11, 140	12, 953	8, 719
August	1, 238	824	4, 101	3, 263	5, 998	4, 619	7,374	5, 349	3, 725	6, 266	8, 742	5, 436	7, 430	12, 778	10, 139
September	588	368	4, 494	6, 273	7, 216	4, 163	7, 409	5, 52 8	4, 026	6, 671	8, 272	6, 588	10, 372	13, 347	8, 681
October	750	517	3, 480	4,988	7, 288	5, 313	6, 809	4, 513	2, 899	5, 868	7, 964	6, 357	13, 921	10, 595	6, 236
November	939	370	2, 791	1, 992	6, 552	3, 598	6, 430	3, 447	2,777	7, 145	7, 602	5, 962	8, 741	6,774	5, 173
December	1, 176	360	2, 743	2, 223	6, 054	3, 972	7, 116	2, 577	3, 618	7, 537	7, 845	7, 200	7, 498	6, 052	2, 277
Total	17, 518	18, 022	38, 934	55, 659	94, 623	75, 089	79, 933	83, 635	61, 096	94, 904	129, 228	117, 765	139, 311	165, 206	146, 870
Monthly average	1, 452	1, 502	3, 245	4, 638	7, 885	6, 257	6, 661	6, 970	5, 091	7, 909	10, 769	9, 814	11, 609	13, 767	12, 239

Data prior to 1922 represent prorated figures compiled by Babson's Statistical Organization (Inc.) from actual monthly reports of individual companies estimated to represent 90 per cent of the total passenger-car production during those years. Data since 1921 compiled by the Department of Trade and Commerce, Dominion Bureau of Statistics, covering actual production or factory sales for the entire country.

REVISED INDEX OF MINERAL PRODUCTION

[Relative to 1923-1925 monthly average=100]

As part of the program to bring the general index numbers to a common postwar base, the index of mineral production has now been shifted to the average for the years 1923 to 1925, which has been adopted by most compilers of index numbers. New weightings have been calculated, based on the average values of mine production of each commodity shown in the reports of the United States Geological Survey for the years 1923 to 1925, in ten millions of dollars. The same commodities and sources have been used as in the original index, and the index is constructed in the same manner. (See issues for May, 1922, and September, 1922.) All the series cover practically complete production in their respective lines, except iron ore (about 85 per cent complete), and gold (about 40 per cent complete). Prior to 1927, lead figures were only about 85 per cent

complete, but these have been prorated to 100 per cent to compare with the later data. The sources and weightings are summarized below:

COMMODITY	Item used	Source	Weight
Petroleum Bituminous coal	Production	Bureau of Minesdo.	110 122
Anthracite coal	do		44
Iron ore	Shipments through upper Lake ports.	Lake Superior Iron Ore Association.	18
Copper	Mine production	Am. Bu. of Metal Stat.	22
Lead	Production of crude lead	do	9
	Refined production less imports.	· ·	7
Gold	Domestic receipts at mint	Bureau of the Mint	
	Mine production		

				· · · · · · · · · ·																
Month	Total	Petroleum	Bituminous coal	Anthracite coal	Iron ore	Copper	Lead	Zinc	Gold	Silver	Total	Petroleum	Bituminous coal	Anthracite coal	Iron ore	Copper	Lead	Zinc	Gold	Silver
					192	50									192	4				
January February March April May June July August September October November December Monthly average	85 74 84 72 87 94 96 99 91 101 94 89	55 54 59 57 60 62 63 61 65 63 64	114 94 110 89 92 106 106 115 115 122 121 122	111 95 118 93 119 122 124 120 70 121 112 124	5 161 214 223 214 206 205 125	84 81 69 64 66 56 59 56 53 52 48 42		76 70			102 96 95 83 95 94 97 97 102 108 94 96	93 91 98 98 101 101 97 101 102 98 99 93 94	121 109 95 70 74 72 77 83 97 111 97 106	114 110 117 98 112 111 112 102 110 111 98 107	15 152 175 168 155 143 129 48 0	101 100 99 100 100 97 98 101 97 105 104	104 97 107 95 102 97 98 100 97 109 105 110	109 97 105 99 105 96 95 85 83 93 93 102	85 103 94 90 90 75 103 106 123 145 122 104	88 112 104 89 107 92 93 102 104 106 107
Monthly average	- 09	1 00	1 109	1 111	192			04			97]	1 91	93	109	192		102	91	109	101
January February March	78 68 71	62 58 67	95 72 71	114 118 117		65 58	63 59 65 57	56 36 34	76 76 81	93 103 115	103 88 91	98 89 100	119 89 86	107 104 102		113 105 114	113 106 116	110 103 113	100 92 87 96	104 96 93
April May June July August September October November December	67 74 75 71 76 73 81 71 66	66 69 66 66 67 60 58 62 69	65 78 80 71 81 82 103 85 73	118 115 120 108 111 109 116 105 92	4 60 83 94 100 91 75 9	68 39 18 15 14 16 16 19 17	57 61 59 59 61 59 67 63 67	36 40 43 34 32 32 32 47 48	82 77 73 101 107 64 147 114 104	84 81 76 74 76 79 89 72 74	91 105 104 109 114 96 102 94 91	101 112 110 110 110 107 106 101 100	77 81 85 90 103 107 121 116 121	108 118 113 123 134 1 1 2 3	49 192 184 197 197 170 162 98 0	107 107 106 104 103 103 108 102 106	104 111 106 106 109 105 119 114 120	101 105 101 105 102 104 103 111 115	96 81 82 106 100 90 147 118 108	104 99 103 101 93 91 88 92 93
Monthly average	73	64	80	112	43	30	61	39	92	84	99	104	100	76	104	106	111	106	101	96
					19	22									192	86				
January February March April May June July August September October November December	72 75 91 46 54 61 60 66 86 98 94	70 67 76 73 76 74 76 76 74 78 77 82	86 94 115 36 47 51 39 51 94 104 107	93 100 130 0 1 1 2 2 74 127 126 125	3 37 153 207 208 157 141 79 0	20 28 47 58 70 72 71 76 72 78 77	78 74 80 72 78 74 74 76 72 82 80 84	52 50 58 56 60 63 70 69 72 83 79 90	87 76 81 82 94 88 106 118 103 137 120 95	74 73 79 79 80 90 82 105 100 97 92 95	91 85 101 95 103 109 112 117 117 125 120 115	98 89 99 98 102 101 106 109 107 114 118	122 106 105 91 89 96 99 106 112 124 136	3 31 129 121 119 132 124 121 124 128 110	0 141 203 231 248 222 216 91	108 103 115 111 112 108 110 109 110 114 114 110	118 110 121 108 116 110 111 114 110 124 120 125	124 110 116 115 118 105 104 113 113 117 115 121	99 85 67 86 80 78 95 112 128 125 119	97 95 98 93 96 98 88 99 92 96 90
Monthly average	75	75	77	65	82	62	. 77	67	99	87	107	105	110	104	113	110	116	114	98	96
1	Í				19	23				i					192	37				
January February March April May June July August September October November December	99 87 100 95 110 112 114 119 103 117 105 93	86 79 93 96 102 102 107 108 106 110 107 97	119 100 111 101 108 107 116 110 117 102 95	126 113 136 117 124 126 121 128 42 126 112 112	0 154 220 241 238 210 187 114 0	85 78 92 90 95 95 96 100 94 100 97 98	89 84 92 82 88 84 84 86 83 94 91	102 94 107 103 103 94 95 92 86 92 97 102	80 83 74 75 92 80 106 114 122 103 124 104	98 89 115 125 129 96 102 100 94 102 92	112 104 115 97 108 108 103 115 110 114 103 99	116 111 123 118 124 121 128 127 122 126 120 121	131 121 138 80 81 84 77 96 96 101 93	97 87 90 106 119 108 75 115 98 110 102 89	36 179 196 199 203 167 155 46	116 105 105 108 109 105 99 102 100 106 103 102	116 106 120 118 112 114 112 109 104 110 113 111	113 113 117 113 111 105 105 110 105 111 108 115	93 76 85 79 77 76 105 105 118 111 105 87	98 94 96 89 91 93 91 97 88 94 95
Monthly average	105	99	108	115	114	93	88	97	96	103	107	121	99	100	99	105	112	110	93	93

DEPARTMENT-STORE SALES AND STOCKS 1

[1923-1925 monthly average=100]

							SAL	ES										5	STO	cks,	END	OF I	MON	TH				
YEAR AND MONTH	Uni Sta			14	phia	7	pu				siloo	City ;		Francisco	Uni Sta			74	phia		pu				olis	City		Francisco
	Ad- just- ed	Un- ad- just- ed	Boston	New York	Philadelphia	Cleveland	Richmon	Atlanta	Chicago	St. Louis	Minneapolis	Kansas	Dallas	San Fra	Ad- just- ed	Un- ad- just- ed	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas	Dallas	San Fran
1919																					_	_						Г
January February March April	70 71 72 74	61 55 66 78	60 54 66 79	57 52 62 75	68 63 64 88	61 54 66 76	67 61 79 87	68 71 87 90			84 69 93 98		78 69 96 89	50 44 57 62	73 71 70 70	65 68 72 73	70 71 75 77	64 66 72 73	66 63 64 63	62 66 70 71	66 66 81 73	75 77 78 76			72 81 86 86		75 79 87 85	6: 6: 6:
May June July August	72 78 80 80	75 74 60 62	80 76 58 62	73 72 56 54	70 73 57 57	74 74 62 67	83 82 63 59	92 83 76 72			96 95 76 81		91 89 71 73	64 61 59 66	70 72 78 85	72 70 72 81	76 73 75 82	71 69 72 81	59 60 60 59	70 70 71 80	69 68 72 86	73 70 72 82			95 81 94 94		91 86 80 91	6- 7- 7-
September October November December	80 80 87 83	74 94 95 139	74 96 93 138	73 97 96 142	71 92 110 135	73 89 91 134	78 95 100 150	91 108 115 174			89 104 98 135		103 118 120 177	70 83 75 126	88 88 88 93	92 97 100 87	94 104 107 93	92 98 103 92	67 68 68 64	91 94 96 84	102 107 106 86	93 100 101 87			94 104 106 88		99 105 102 88	8' 9' 9' 8'
Mo. av		78	78	76	79	77	84	94			93		98	68		79	83	79	63	77	82	82			90		89	7
1920					0.1																							
anuary February March April	96 89 98 92	84 69 95 92	84 63 92 96	85 68 92 88	81 72 93 92	85 71 99 93	73 65 96 91	93 81 112 118			96 75 105 103		103 90 127 116	75 60 79 79	97 101 103 106	86 96 107 110	84 88 99 102	92 101 113 115	73 74 79 79	80 93 105 110	89 101 114 116	95 104 108 110			95 105 113 114		91 101 109 111	9: 9: 10:
May June July August	100 98 99 95	100 97 75 74	96 98 71 68	100 93 69 63	107 100 69 67	101 101 82 83	92 98 74 70	122 110 90 90			106 110 88 90		121 116 89 88	84 80 72 82	105 106 110 113	107 103 102 108	101 95 91 94	109 105 105 110	77 77 77 78	107 105 104 111	114 103 104 108	110 107 111 119			116 109 110 115		120 120 123 139	9: 9: 9:
September October November December	92 92 95 87	85 104 109 145	84 98 103 139	79 103 108 145	79 102 118 139	92 106 111 148	83 105 112 159	102 136 130 175			105 113 113 150		113 135 137 174	81 90 85 130	113 108 100 96	117 119 113 90	105 108 106 87	119 120 115 93	83 80 76 66	120 125 118 95	119 119 109 83	133 133 126 94			120 121 117 91		151 149 135 91	10- 10- 10- 8-
Mo. av		94	91	91	93	98	93	113			105		117	83		105	97	108	77	106	107	113			111		120	9
1921																												
anuary February March	96 92 91 89	81 71 92 89	84 67 95 92	81 70 89 88	82 76 92 93	88 77 97 92	76 69 98 89	86 83 110 95	71 67 86 84	76 70 100 90	88 75 102 110		91 85 110 96	74 64 79 75	87 86 85 87	78 82 88 90	81 82 88 90	82 86 92 94	71 76 83 83	77 82 89 93	73 79 85 88	89 94 97 99	73 75 81 82	67 76 85 87	79 86 94 93		83 92 97 98	7. 8. 8.
May June July August	89 88 88 83	88 87 63 66	92 96 62 64	85 87 60 60	89 89 63 67	91 87 63 65	88 93 65 64	100 91 70 72	86 81 66 67	101 86 62 66	100 99 78 84		101 97 70 69	79 74 64 78	87 88 90 93	89 85 84 89	88 85 83 84	92 89 86 89	83 80 79 83	91 88 86 91	86 82 80 87	97 91 90 96	80 77 77 84	84 82 77 79	94 92 91 97		94 92 89 103	8: 8: 9:
leptember October November December	79 86 83 82	73 97 95 138	77 100 96 147	70 105 100 148	69 98 106 145	69 91 87 128	70 101 100 152	79 115 103 148	76 87 87 122	77 102 102 149	92 103 99 131		90 112 103 147	74 85 79 125	93 91 89 88	96 100 101 83	93 99 103 87	98 102 104 88	91 95 96 78	98 100 101 83	99 102 106 82	108 113 110 91	87 91 90 75	90 93 92 76	103 106 106 90		110 110 110 83	9 9 9 7
Mo. av		87	89	87	89	86	89	96	82	90	97		97	79		89	88	92	83	90	88	98	81	82	94		97	8
1922 anuary February March	85 83 85	71 65 81	79 65 87	75 67 83	77 71 84	67 62 78	64 63 80	71 70 81	67 59 73	69 67 84	76 63 83		74 71 89	67 57 75	90 89 88	80 84 91	85 89 94	85 86 95	89 87 88	72 81 89	79 86 93	87 95 101	70 77 83	69 77 84	84 91 89		85 89 97	8 8 9
April	88 87 88 87	90 87 63	97 96 97 64	90 89 87 60	94 90 89 60	90 90 86 65	89 87 86 59	94 93 84 66	86 89 84 64	92 86 62	99 95 90 73		95 86 64	76 89 77 67	86 87 88	91 88 85 82	96 94 90 87	96 92 89 85	84 86 81	90 87 84 80	92 88 84 82	96 90 88	83 80 76 75	81 82 77 78	93 93 89 87		96 94 85 83	81 81 81
August September October	90 91	70 84 103	69 89 105	63 82 110	68 79 103	72 82 102	78 102	71 82 110	70 87 95	69 92 107	94 105		101 102	83 78 95	90 88	93 96	100 105	88 97 99	93 98	90 94	96 105	94 102 104	82 86 90	83 88 91	91 97 101		91 97 100	90
November December	92 93	105 150	106 153	107 154	118 156	100 147	106 158	107 155	100 142	108 151	102 148		103 147	92 142	89 90	100 85	109 93	105 89	104 88	97 82	105 87	106 87	91 76	90 77	102 85		99 80	90 84
Mo. av		88	92	89	91	87	86	90	85	89	93		90	83		88	94	92	89	86	90	96	81	82	93		91	8
1923 fanuary February March April.	91 93 99 97	80 72 99 94	83 71 96 99	82 68 93 92	82 80 105 92	79 74 105 99	75 68 106 90	78 75 101 97	78 71 96 98	76 76 105 96	83 69 96 106		80 71 97 89	79 70 92 85	93 94 95 97	83 89 98 100	89 92 99 101	85 88 97 100	87 89 100 100	77 88 96 100	85 94 102 105	90 96 103 105	77 90 99 100	72 88 93 96	86 94 104 102		80 90 97 99	8 8 9 10
May une uly August	98 102 98 99	102 101 71 79	102 106 69 77	97 97 66 69	102 105 68 75	106 106 74 87	99 102 68 68	104 101 74 79	102 102 71 88	100 102 70 76	105 100 75 91		105 91 67 68	101 88 81 94	97 96 97 100	99 93 90 96	101 94 89 94	99 93 90 94	100 94 87 93	98 93 91 96	101 97 92 96	104 98 97 103	98 91 89 100	93 86 89 95	102 96 94 99		97 92 91 101	9' 9' 9'
September October November December	100	89 117 113 161	89 111 112 164	85 121 115 164	83 118 129 166	91 116 109 158	81 118 117 170	91 128 117 162	95 114 109 154	101 117 111 157	97 112 105 148		101 121 111 154	88 110 100 163	101 100 101 100	105 111 114 94	105 115 118 100	105 112 114 96	104 111 116 96	104 111 114 93	108 117 118 93	112 117 115 94	107 109 114 93	102 105 106 87	105 111 110 90		107 109 108 89	10 10 11 9
Mo. av		98	98	96	101	100	97	100	98	99	99		96	96		98	100	98	98	97	101	103	97	93	99		97	97

DEPARTMENT-STORE SALES AND STOCKS 1—Continued

[1923-1925 monthly average = 100]

							SAI	ÆS								-		s	TOC	KS, I	END (OF M	IONT	CHI.	:			
YEAR AND	Uni Sta	ited ites			nia						lis li	City?		isco		ited ates			ıja						lis	City:		isco
Month	Ad- just- ed	Un- ad- just- ed	Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas Ci	Dallas	San Francisco	Ad- just- ed	Un- ad- just- ed	Boston	New York	Philadelph	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas Ci	Dallas	San Francisco
January	99	87	95	89	86	84	81	83	82	81	83	84	85	91	101	90	90	91	93	86	88	96	85	90	88	89	89	92
February	105	82	79	78	87	86	76	83	81	82	72	77	78	83	102	97	95	92	96	98	97	102	96	100	96	98	99	99
March	99	91	90	88	94	93	89	90	90	94	88	85	91	92	102	105	105	100	107	107	106	108	108	107	104	105	106	106
April	99	104	109	101	108	111	105	103	107	100	111	96	98	95	103	107	105	104	105	110	106	110	107	110	101	105	108	108
MayJuneJulyAugust	97	100	103	99	99	102	98	104	99	96	105	94	105	101	102	104	103	100	101	108	102	107	102	107	103	100	103	105
	100	94	101	96	97	96	98	90	91	92	94	88	92	87	100	97	97	94	94	100	96	99	97	100	96	93	96	100
	96	72	73	71	69	72	71	70	73	69	78	69	70	80	100	93	94	90	90	94	91	95	94	98	93	91	94	98
	95	74	69	65	69	78	64	71	79	71	85	73	68	96	100	96	93	94	93	96	90	94	98	103	97	97	104	98
September	100	93	90	95	84	91	89	91	97	100	98	100	112	90	101	105	103	105	104	105	103	103	105	107	104	103	110	105
October	95	111	110	122	110	103	114	118	100	111	105	107	122	108	101	111	110	113	112	113	112	110	113	114	111	109	114	111
November	101	111	108	116	118	107	118	107	112	110	109	104	111	100	100	113	115	114	115	112	113	107	108	113	112	109	112	112
December	100	168	171	174	172	161	182	165	158	167	157	160	166	167	100	94	97	97	96	94	92	84	94	93	92	87	89	93
Mo. av		99	100	99	99	99	99	98	98	98	99	95	100	99		101	100	99	101	102	100	101	101	103	100	2 99	102	102
1925 January February March April	98	86	91	90	83	83	79	80	82	83	87	83	91	90	102	90	91	93	92	87	86	91	91	89	90	85	88	93
	103	80	77	81	81	81	78	81	78	80	76	80	87	79	101	96	94	95	95	97	94	93	97	96	96	96	98	96
	103	95	91	92	96	96	99	95	94	99	93	97	104	98	101	104	103	104	108	106	103	98	105	105	106	103	105	102
	102	106	107	104	105	110	109	104	109	110	112	105	104	102	101	106	104	106	105	108	102	100	105	107	106	104	107	104
May	101	100	100	100	95	101	99	103	103	95	103	96	105	105	100	102	102	103	101	105	99	97	102	105	103	100	104	101
June	100	99	105	100	99	99	102	93	102	93	99	94	94	95	100	97	97	99	97	99	97	91	96	99	97	94	93	97
July	100	75	75	73	69	76	76	74	77	71	77	73	71	87	101	94	91	94	91	93	91	87	94	98	94	93	93	97
August	101	78	71	71	69	80	72	74	83	78	88	81	73	100	102	98	93	97	95	98	92	96	100	105	100	102	103	101
September	102	95	93	97	85	89	88	84	106	100	100	100	103	97	102	106	102	108	105	106	104	103	107	111	107	107	112	105
October	110	129	124	140	124	124	133	135	128	139	130	123	133	118	101	111	109	113	111	109	115	105	113	113	109	111	113	111
November	104	114	110	121	122	104	124	116	113	113	102	104	110	110	102	115	114	119	117	113	117	105	117	119	111	112	112	112
December	106	178	179	188	174	169	194	179	178	177	161	164	173	178	103	97	96	101	99	95	96	85	99	99	91	93	88	95
Mo. av		103	102	105	100	101	104	102	104	103	102	100	104	105		101	100	103	101	101	99	96	102	104	101	² 100	101	101
1926 January February March April	106	89	101	94	86	83	87	86	87	85	85	79	91	91	105	93	91	99	93	87	91	94	95	93	91	100	88	96
	104	81	74	83	78	81	78	87	86	85	76	73	90	82	103	98	94	99	95	96	97	94	102	97	96	113	95	100
	101	102	95	98	103	98	107	103	107	105	93	92	107	109	104	107	102	109	106	106	105	103	107	106	104	120	102	106
	103	103	104	103	98	102	103	106	107	108	107	94	103	104	103	107	103	111	103	104	107	104	107	111	104	119	104	109
MayJuneJulyAugust	107	107	104	106	105	106	108	114	116	105	101	92	112	107	101	103	101	107	98	103	102	98	102	104	101	116	99	106
	102	101	105	104	98	97	102	101	106	96	92	90	103	99	101	98	96	101	94	98	98	92	99	101	95	108	90	100
	104	78	77	76	70	78	78	77	84	72	81	72	76	91	101	94	91	98	88	92	92	91	92	99	89	107	86	98
	107	83	76	78	71	85	77	80	89	81	84	76	87	107	101	97	90	99	93	95	92	92	101	103	92	114	93	101
September October November December	109	101	97	104	88	97	91	89	118	105	103	98	109	109	103	107	103	109	103	106	106	103	108	111	97	119	100	107
	110	124	120	134	119	121	127	124	125	126	109	103	127	118	103	114	111	116	113	113	117	110	116	118	99	126	103	113
	106	121	119	129	124	113	132	123	123	122	101	107	121	116	104	117	117	121	118	117	119	108	117	117	99	125	100	118
	110	184	182	196	180	177	197	181	183	172	152	164	178	193	102	96	98	101	98	94	96	88	96	96	80	100	79	97
Mo. av		106	105	109	102	103	107	106	111	105	99	95	109	110		103	100	106	100	101	102	98	104	105	96	2114	95	104
1927 January	106	89	103	96	80	85	84	85	84	79	81	77	87	98	103	92	91	98	91	87	90	90	92	90	81	97	77	97
February	106	83	78	84	78	82	78	88	90	83	76	76	86	85	102	97	95	97	95	96	96	100	97	95	87	109	85	102
March	105	100	97	99	94	98	99	99	108	98	92	89	97	109	103	106	105	107	105	105	106	108	104	102	94	116	89	109
April	105	111	111	112	103	116	110	109	117	108	104	98	109	115	102	106	107	109	103	105	105	110	105	103	95	115	93	109
May June July August	103 104 103 111	102 101 75 89	100 110 74 84	102 109 74 84	94 97 65 73	105 99 78 93	103 100 73 80	108 99 76 86	108 107 82 99	96 93 68 90	91 91 75 92	88 86 68 83	95 69 80	107 95 83 114	101 100 101 101	103 97 94 97	106 99 95 95	98 95 99	98 92 89 91	98 93 97	96 93 92	92 91 96	101 95 93 99	96 95 97	91 84 83 87	112 104 101 116	90 83 79 88	107 103 101 103
September	109	100	99	106	83	95	91	97	114	97	93	95	105	111	103	107	106	109	101	107	106	107	108	108	94	123	96	108
October	105	119	115	128	109	113	121	128	119	127	109	106	125	119	103	113	113	116	111	112	117	112	114	112	97	129	97	115
November	107	122	120	134	120	112	124	119	125	120	100	110	120	121	103	116	118	117	114	115	121	115	116	112	97	126	98	118
December	111	186	182	201	174	176	195	191	185	177	155	165	191	195	102	96	101	99	95	94	96	90	93	93	80	102	74	100
Mo. av		106	106	111	95	104	105	107	112	103	97	95	106	113		102	103	104	99	101	102	101	101	100	89	2113	87	106

¹ Compiled by the Federal Reserve Board, Division of Research and Statistics, from reports of about 560 department stores located in 250 cities with total annual sales of over \$2,000,000,000. Stocks are reported by about 470 firms, their 1925 stocks averaging \$570,000,000. In all cities covered by the sample census of distribution, except Chicago, sales of reporting stores were over two-thirds of the total department-store sales in each case. The index numbers are based upon aggregate values and the adjusted indexes allow for seasonal variations, differences in number of trading days, and variations in sales attributable to the movable Easter.

² 1925 monthly average = 100.

FOREIGN [CAPITAL ISSUES PUBLICLY OFFERED IN THE UNITED STATES: 1914-1927

[Thousands of dollars]

Монтн	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
January	\$740	\$32, 189	\$13, 104	\$261, 780	\$6,000	\$28, 155	\$71, 270	\$71, 322	\$92, 546	\$71, 492	\$93, 628	\$83, 500	\$86, 323	\$181, 633
February	14, 054	20, 846	95, 609	19, 173	2,300	160, 977	32, 550	44, 275	48, 521	50, 462	139, 400	137, 500	113, 588	87, 305
March	3, 000	36, 433	92, 855	125, 865	2,000	1, 400	55, 437	29, 042	148, 820	24, 347	11, 454	82, 266	52, 451	107, 375
April	2, 000	60, 095	17, 884	105, 458	1,000	12, 400	13, 450	15, 000	216, 477	12, 175	41, 500	52, 740	140, 650	203, 284
May	200	48, 531	20, 271	41, 622	500	28, 115	29, 586	134, 670	33, 280	4, 500	56, 603	35, 003	87, 515	52, 879
June	3, 764	20, 400	38, 252	14, 250	4, 240	32, 860	87, 601	10, 975	119, 471	41, 550	27, 815	172, 078	115, 636	155, 049
July	2, 775	40, 790	107, 700	104, 230	7, 520	137, 563	36, 000	32, 015	35, 380	6, 500	86, 236	172, 058	120, 875	67, 021
August	None.	12, 750	259, 780	8, 760	None.	22, 250	26, 575	51, 820	2, 620	52, 057	90, 565	58, 450	66, 340	104, 645
September	None.	7, 003	17, 020	17, 800	None.	5, 000	121, 525	96, 350	23, 721	86, 679	183, 508	175, 019	107, 075	87, 397
October	940	531, 808	372, 736	2, 500	100	325, 092	91, 775	49, 260	60, 870	52, 000	194, 698	104, 446	154, 240	260, 105
November	3, 000	7, 100	83, 519	780	2, 595	29, 721	41, 760	52, 009	29, 250	39, 500	113, 835	185, 525	135, 196	166, 366
December	7, 250	15, 550	12, 350	15, 929	3, 460	29, 712	28, 662	88, 375	17, 443	54, 400	180, 300	71, 336	138, 666	101, 902
Total	37, 723	833, 495	1, 131, 080	718, 147	29, 715	813, 245	636, 191	675, 113	828, 399	495, 662	1, 219, 542	1, 329, 921	1, 318, 555	1, 574, 961
Monthly average	3, 144	69, 458	94, 257	59, 846	2, 476	67, 770	53, 016	56, 259	69, 033	41, 305	101, 628	110, 827	109, 880	131, 247

¹ Compiled by the U. S. Department of Commerce, Bureau of Foreign and Domestic Commerce, representing the amount of foreign capital issues publicly offered in the United States by American underwriters. Details by individual issues, classified by countries, are shown in the bureau's reports.

LUMBER, UNFILLED ORDERS, END OF MONTH

[Thousands of feet, board measure]

Монтн				WESTER	N PINE	1				REDW	OOD :		SOUTI PIN	
	1920	1921	1922	1923	1924	1925	1926	1927	1924	1925	1926	1927	1926	1927
January February March A pril	229, 318 183, 540 202, 670 220, 467	41, 242 43, 867 52, 859 46, 693	82, 841 84, 390 105, 849 151, 748	148, 780 143, 814 137, 318 141, 367	144, 748 129, 500 126, 823 104, 450	122, 100 108, 099 103, 835 111, 490	93, 914 94, 880 97, 739 90, 066	107, 638 107, 339 122, 280 107, 138	45, 949 45, 370 44, 038 35, 912	47, 052 43, 200 43, 647 42, 373	50, 464 57, 700 61, 795 57, 863	67, 440 60, 007 69, 897 72, 703		299, 314 324, 423 333, 729 311, 099
MayJuneJulyAugust	194, 754 149, 428 157, 546 143, 044	39, 197 40, 801 39, 551 35, 560	172, 886 138, 849 117, 218 122, 462	113, 622 89, 853 79, 493 79, 495	93. 766 84, 115 115, 698 117, 356	107, 262 106, 488 123, 146 108, 534	98, 190 104, 991 120, 996 121, 741	105, 612 97, 509 95, 635 96, 917	34, 188 32, 438 30, 451 35, 329	37, 034 37, 288 40, 468 39, 666	52, 800 54, 847 52, 799 48, 218	70, 293 70, 132 68, 290 56, 495	346, 510	314, 563 298, 504 283, 243 328, 561
SeptemberOctober November December	84, 558 61, 710 45, 227 42, 845	45, 687 60, 631 60, 973 74, 380	105, 382 111, 542 138, 338 141, 386	80, 494 78, 818 81, 463 90, 858	98, 251 96, 318 135, 907 141, 570	87, 090 84, 367 79, 683 112, 585	112, 524 90, 250 81, 540 98, 046	90, 982 91, 787 76, 288 92, 749	33, 508 37, 467 39, 805 45, 668	33, 471 33, 160 36, 352 39, 779	48, 615 58, 081 54, 286 62, 889	53, 807 45, 430 45, 962 41, 518	336, 713 314, 952 262, 502 253, 730	320, 096 346, 715 305, 164 287, 741
Monthly average	142, 926	48, 453	122, 741	105, 448	115, 709	104, 557	100, 406	99, 323	38, 344	39, 458	55, 030	60, 165	4 302, 881	312, 763

¹ Compiled by the Western Pine Manufacturers Association, the actual figures being prorated to computed totals through percentages of normal production. The normal monthly production covers 54 mills with output of 148,000,000 board feet in earlier years, gradually reduced to 42 mills with normal output of 136,800,000 feet in 1925, and estimated to represent 70 per cent of the output of western pine territory through 1925 and thereafter 74 per cent, owing to the decrease in total number of mills in business and increase of reporting mills to 49.
² Compiled from data furnished by the California Redwood Association from reports of 14 mills estimated to represent 73 per cent of the redwood output and prorated up to 100 per cent on this basis.
³ Compiled from data furnished by the Southern Pine Association, the actual figures being computed up to the totals for 192 mills with a normal production of 484,065,392 feet, the monthly average for the first four months of 1916, by the same percentage as used for new orders each month. Beginning with January, 1928, the figures are prorated on the proportion of the actual number of units reporting each month to the 264½ units included in the compilation of 192 mills.

ELECTRIC POWER PRODUCTION IN CANADA (CENTRAL ELECTRIC STATIONS) 1

[In thousands of kilowatt hours]

Монтн		TOTAL		GENER	ATED BY POWER	WATER	GEN	ERATE! FUEL	D BY	1	EXPORTS	3
MONTH .	1925	1926	1927	1925	1926	1927	1925	1926	1927	1925	1926	1927
January	783, 030	951, 450	1, 131, 212	768, 476	936, 034	1, 113, 899	14, 554	15, 416	17, 313	91, 300	113, 026	130, 894
February	717, 455	870, 530	1, 065, 850	705, 156	856, 485	1, 050, 057	12, 299	14, 045	15, 793	79, 260	98, 086	121, 829
March	804, 512	952, 276	1, 150, 008	792, 234	939, 537	1, 133, 785	12, 278	12, 739	16, 223	100, 160	110, 911	133, 702
April	795, 389	902, 045	1, 109, 721	783, 776	891, 041	1, 094, 646	11, 613	11, 004	15, 075	106, 335	115, 696	129, 709
May	816, 084	960, 939	1, 115, 602	805, 752	949, 946	1, 101, 834	10, 332	10, 993	13, 768	106, 354	119, 398	124, 749
June	786, 875	971, 775	1, 107, 927	776, 413	959, 913	1, 094, 726	10, 462	11, 862	13, 201	107, 192	127, 351	139, 439
July	795, 971	966, 169	1, 104, 260	784, 775	952, 711	1, 089, 688	11, 196	13, 458	14, 572	109, 630	132, 225	138, 085
August	784, 620	982, 174	1, 229, 089	773, 045	969, 469	1, 213, 531	11, 575	12, 705	15, 558	111, 181	142, 860	157, 197
September October November December	822, 814	1, 008, 176	1, 197, 023	809, 507	992, 793	1, 181, 173	13, 307	15, 383	15, 850	116, 542	146, 678	154, 047
	918, 882	1, 100, 413	1, 309, 170	902, 968	1, 085, 228	1, 289, 967	15, 914	15, 185	19, 203	126, 143	144, 160	142, 991
	900, 180	1, 112, 063	1, 311, 211	878, 404	1, 096, 629	1, 289, 242	21, 776	15, 434	21, 969	114, 443	128, 041	129, 415
	966, 397	1, 145, 723	1, 361, 864	950, 228	1, 127, 185	1, 339, 206	16, 169	18, 538	22, 658	117, 002	127, 568	130, 552
TotalMonthly average	9, 892, 209	11, 923, 733	14, 193, 037	9, 730, 734	11, 756, 971	13, 991, 754	161, 475	166, 762	201, 183	1, 285, 542	1, 506, 000	1, 632, 609
	824, 351	993, 644	1, 182, 753	810, 895	979, 748	1, 165, 980	13, 456	13, 897	16, 765	107, 129	125, 500	136, 051

¹ Compiled by the Department of Trade and Commerce, Dominion Bureau of Statistics, revising previous reports and covering all the large central electric stations in Canada, which in 1925 produced 98 per cent of all stations in Canada. These data do not include the output of pulp and paper mills and other plants generating electricity only for their own use.

COFFEE MOVEMENT 1

[Thousands of bags]

						lousands									
Month	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
					RECE	IPTS IN	BRAZI	L					·		
fanuary February March April May une fully August September October November December	649 477 413 290 330 545 1,048 2,129 2,164 2,244 1,851 1,511	874 632 532 454 423 609 1, 213 539 918 1, 640 1, 642 1, 761	1, 507 1, 275 1, 113 773 585 526 1, 568 2, 060 1, 863 2, 153 1, 919 1, 829	1, 315 887 725 504 423 726 1, 442 1, 643 1, 715 1, 715 1, 554 1, 487	771 494 558 462 405 406 995 2,105 1,793 1,793 1,432 1,559	1,717 1,342 748 715 843 796 780 841 1,258 999 793 1,099	582 692 691 711 654 621 622 904 980 939 837 564	481 476 481 343 389 466 947 1, 486 1, 423 1, 443 1, 528 1, 460	1, 237 824 917 1, 108 1, 022 1, 106 1, 224 1, 319 1, 234 1, 192 1, 187 1, 290	1, 167 1, 053 995 892 808 498 743 1, 139 1, 023 1, 126 1, 114 1, 035	1,079 959 794 291 341 612 1,112 1,368 1,358 1,397 1,300 1,288	1, 289 1, 092 1, 151 1, 179 1, 094 1, 186 659 1, 641 1, 870 1, 648 1, 426 1, 123	957 841 965 787 546 766 1, 176 1, 258 1, 623 1, 342 1, 271 1, 311	1, 248 1, 024 1, 123 808 824 1, 000 1, 175 1, 267 1, 167 1, 262 1, 324 1, 493	1, 21; 1, 05; 1, 06; 93; 1, 05; 1, 20; 1, 25; 1, 50; 1, 40; 1, 83; 1, 71; 1, 37;
Total Monthly average	13, 651 1, 138	11, 237 936	17, 171 1, 431	14, 233 1, 186	12,773 1,064	11, 931 994	8, 797 733	10, 923 910	13,660 1,138	11, 593 966	11, 899 992	15, 358 1, 280	12,843 1,070	13, 715 1, 143	15, 62 1, 30
			CLEA	RANCES	FROM	BRAZII	. то тн	E UNIT	ED STA	TES					
January February March Aı ril May June July August September October November December	578 334 322 133 169 157 247 422 571 674 745 574	593 509 422 368 376 393 280 307 626 626 6421 541	714 865 260 367 212 385 886 629 967 683 699	461 406 489 424 394 100 342 526 639 1,016 1,055 769	398 871 418 694 283 313 308 696 669 704 472 482	648 492 173 503 875 410 305 251 224 148 196 254	234 837 365 503 258 737 623 572 697 652 487 333	367 579 746 324 525 542 510 619 609 290 465 677	595 680 712 503 218 345 386 310 514 673 783 433	499 327 464 667 337 325 425 554 835 738 481	693 828 601 212 356 309 339 803 891 968 748 756	505 635 577 463 466 634 406 566 713 828 668 530	623 378 462 278 292 676 701 711 705 719 758 731	572 611 649 353 554 511 653 684 695 721 716	666 444 677 511 500 655 666 59 711 866 813
TotalMonthly average	4, 926 411	5, 532 461	7, 063 589	6, 621 552	6, 308 526	4, 479 373	6, 298 525	6, 253 521	6, 152 513	5, 989 499	7, 504 625	6, 991 583	7, 034 586	7, 499 625	7, 98- 66
	,			тот	AL CLE	ARANC	ES FRO	M BRAZ	AL .		···········		<u>, , , , , , , , , , , , , , , , , , , </u>		
January February March April May June July August September October November December	1, 374 812 561 385 415 504 659 1, 292 1, 589 2, 074 1, 835 1, 665	1, 388 1, 038 809 724 625 788 686 393 831 1, 265 1, 281 1, 308	1, 671 1, 461 1, 663 1, 326 861 720 1, 500 1, 267 2, 143 1, 836 1, 789	1, 107 1, 023 1, 321 895 1, 117 422 864 954 1, 152 1, 365 1, 552 1, 168	725 1, 366 839 1, 053 591 536 482 933 1, 080 1, 235 728 798	829 578 450 766 1,063 811 632 471 383 376 390 538	918 1, 600 1, 522 1, 219 836 1, 132 1, 040 807 798 1, 105 1, 039 602	834 748 1, 296 883 739 841 723 1, 026 1, 286 1, 002 1, 017 930	993 1, 076 1, 154 964 727 776 975 998 1, 218 1, 060 1, 145	1, 259 968 1, 159 1, 072 703 754 732 1, 041 1, 083 1, 521 1, 175 959	1, 226 1, 187 1, 155 679 717 773 1, 543 1, 665 1, 812 1, 371 1, 288	1, 134 1, 297 1, 016 728 940 1, 039 997 1, 455 1, 419 1, 731 1, 214	1, 048 757 772 679 618 1, 242 1, 247 1, 495 1, 445 1, 591 1, 303 1, 216	1, 053 1, 077 1, 105 818 915 904 1, 229 1, 305 1, 263 1, 394 1, 301 1, 194	1, 24 94' 1, 222 94: 1, 16' 1, 23: 1, 31: 1, 33: 1, 58: 1, 51'
Total Monthly average	13, 165 1, 097	11, 136 928	16, 743 1, 395	12, 940 1, 078	10, 366 864	7, 287 607	12, 618 1, 051	11, 325 944	12, 038 1, 003	12, 426 1, 035	14, 095 1, 175	13, 896 1, 158	13, 413 1, 118	13, 558 1, 130	14, 87 1, 23
			,	WORLD	VISIBL	E SUPP	LY (ENI	OF M	ONTH)		.,		· · · · · · · · · · · · · · · · · · ·		
January February March April May June June July August September October November December Monthly average	12, 600 12, 004 11, 664 10, 032 10, 583 10, 285 10, 466 11, 433 12, 173 13, 710 13, 189 13, 688	13, 293 12, 928 12, 633 12, 110 11, 578 11, 302 11, 467 10, 616 10, 063 10, 310 10, 156 9, 989	10, 125 10, 004 9, 646 8, 975 8, 228 7, 523 8, 533 9, 519 9, 862 10, 463 10, 431 10, 312	9, 963 9, 342 8, 939 8, 514 7, 855 7, 328 7, 908 8, 730 9, 779 10, 619 11, 111 11, 277	10, 607 10, 312 9, 882 9, 289 8, 157 7, 794 7, 987			6, 472 9, 069 8, 484 7, 881 7, 272 6, 910 7, 034 7, 773 8, 297 8, 379 8, 716 9, 002	8, 902 8, 992 8, 842 8, 663 8, 720 8, 639 9, 034 9, 032 8, 920 8, 867 9, 263	9, 234 9, 404 9, 185 8, 944 8, 872 8, 577 8, 600 8, 775 8, 513 8, 460 8, 242 7, 953	7, 721 7, 491 6, 936 6, 104 5, 451 5, 297 5, 524 5, 777 5, 742 4, 695 4, 293	4, 198 4, 183 3, 892 4, 351 4, 665 5, 020 4, 352 5, 653 5, 673 5, 661 5, 388	5, 291 5, 112 5, 329 5, 353 5, 123 5, 009 5, 126 5, 118 5, 096 5, 082 5, 035 5, 080	4, 753 4, 762 4, 747 4, 464 4, 387 4, 491 4, 560 4, 739 4, 663 4, 601 4, 564 4, 701	4, 60. 4, 38. 4, 31. 4, 26. 4, 32. 4, 39. 4, 53. 4, 71. 4, 62. 4, 91. 5, 06. 5, 04.
	, -10		i			visibi	,			,	,,,,,,,,	1 -, 50.	-,		-, 00
January February March April May June July August September October November December Monthly average	2, 289 2, 369 2, 363 2, 245 2, 018 1, 452 1, 452 1, 389 1, 316 1, 396 1, 709	1,559 1,682 1,684 1,717 1,657 1,654 1,385 1,493 1,541 1,505	1, 486 1, 723 1, 759 1, 966 1, 816 1, 818 1, 599 1, 543 1, 753 1, 741 1, 965	2, 052 1, 901 1, 802 2, 080 2, 107 2, 021 1, 872 1, 765 1, 894 1, 908 2, 270 2, 525	2, 473 2, 498 2, 948 2, 883 2, 701 2, 586 2, 549 2, 549 2, 608 2, 756 2, 520 2, 262	2, 288 2, 490 2, 098 1, 837 1, 810 2, 002 2, 239 1, 897 1, 477 1, 221 955	1,054 900 1,398 1,225 974 879 1,009 1,136 1,347 1,411 1,656 1,571	1, 332 1, 396 1, 504 1, 792 1, 494 1, 699 1, 823 1, 936 2, 026 2, 025 1, 696 1, 619	1, 647 1, 901 2, 046 2, 058 2, 037 1, 747 1, 711 1, 685 1, 306 1, 175 1, 298 1, 616	1,387 1,453 1,195 1,039 1,146 1,086 1,124 940 838 957 958	819 1, 090 1, 208 1, 033 826 860 798 716 944 944 884 712	670 571 652 634 657 760 873 966 739 772 803 611	714 652 888 695 537 713 804 859 716 583 789 888	684 798 743 694 583 647 691 832 912 899 888 978	1, 01 90 76 80 74 78 63 82 54 63 68 76

¹ Compiled by the New York Coffee and Sugar Exchange. Brazilian figures cover the ports of Rio, Santos, Bahia, Victoria, and Paranagua, the figures for Victoria being added in September, 1925 and for Paranagua in November, 1927, these two ports being of small importance in coffee movement prior to those dates. The world visible supply consists of stocks in Europe, United States, Brazil, and afloat, all of which are shown separately in the Exchange's monthly report. From August, 1917, through June, 1919, no figures on the world visible supply were compiled.

¹ Seven months' average.

² Six months' average.

TREND OF BUSINESS MOVEMENTS

The following table contains a summary of the monthly figures, designed to show the trend in important industrial and commercial movements. These data represent continuations of the figures presented in the latest semiannual number (February, 1928), in which monthly figures for 1926 and 1927 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.

ERRATA IN FEBRUARY, 1928, ISSUE

. Page 32.—Spindle activity, ratio to capacity, monthly average for 1927, should read 104.9.

Page 33.—Note 2, last sentence, at bottom of page, should be corrected to read, "The item on weeks sold ahead represents the excess of unfilled orders over stock, divided by weekly production."

Page 60.—Men's dress welt, tan calf, St. Louis, monthly average for 1927, should read 4.93.

Page 56.—Rubber-proofed fabrics, total production for the year 1927 should read March, 2,756; April, 2,800; May, 2,642; June, 2,776; July, 3,330; August, 4,077; September, 4,545; October, 4,634; and November, 3,791.

Page 127.—Interest rates on commercial paper, 4-6 months, for the year 1927, should read February, 3.87; March 4.00; April, 4.10; July, 4.07; August, 3.90; September, 3.87; October, 3.97; November, 3.92; and December, 3.97.

The cumulatives shown are through Feb-		1927		15	928	19	927	CREASE	ENT IN- (+) OR ASE (-)	FROM 3	IVE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
TEXTILES		,										
Wool			,	ŀ								
Receipts at Boston:	10.550									10 100	05.000	
Total thous of lbs. Domestic thous of lbs. Foreign thous of lbs.	16, 578 9, 033	15, 205 8, 972	15, 442 8, 794	17, 281 8, 044	18, 085 6, 399	19, 743 6, 081	29, 693 6, 577	$\begin{vmatrix} +4.7 \\ -20.5 \end{vmatrix}$	-39.1 -2.7	49, 436 12, 658	35, 366 14, 443	-28. +14.
Imports:	7, 545	6, 233	6, 648	9, 237	11,686	13, 662	23, 116	+26.5	-49.4	36, 778	20, 923	-43.
In condition importedthous. of lbs_Grease equivalentthous. of lbs_Consumption by textile mills,	21, 053 24, 535	20, 179 23, 936	17, 924 20, 566	24, 759 28, 353	21, 305 23, 646	27, 542 30, 642	34, 072 38, 075	-14.0 -16.6	-37. 5 -37. 9	61, 614 68, 717	46, 064 51, 999	-25. -24.
grease equivalent thous. of lbs. Machinery activity, hourly: Looms—	49, 122	46, 322	41,691	45, 087	48, 324	46, 389	45, 938	+7.2	+5.2	92, 327	93, 411	+1.5
Wide per ct. of hours active Narrow per ct. of hours active. Carpet and rug per ct. of hours active. Sets of cards per ct. of hours active on hours active per ct. of hours active.	66 67 64 84 88	66 64 67 79 83	63 58 68 77 71	62 52 68 78 75	60 51 67 78 80	68 65 65 75 84	64 62 64 75	-3. 2 -1. 9 -1. 5 0. 0	-6.2 -17.7 +4.7 +4.0			
Spinning spindles—	79	80		78			89	+6.7	-10.1			į.
Woolenper ct. of hours active Worstedsper ct. of hours active Prices:	74	72	77 65	66	77 68	72 75	74 71	-1.3 +3.0	+4.1 -4.2			
Raw, territory, fine, scoured_dolls. per lb_ Raw, Ohio and Pa. fleeces,	1.12	1.12	1.14	1. 17	1. 20	1.08	1.09	+2.6	+10.1			
Worsted yarn dolls. per lb Women's dress goods. French	. 47 1. 40	. 48 1. 40	. 49 1. 40	. 50 1. 43	. 52 1. 50	. 44 1. 38	. 44 1. 38	+4.0 +4.9	+18. 2 +8. 7			
serge, 39 indolls. per yd Suiting, 13-ozdolls. per yd	1.00 1.913	1.00 1.913	1.00 1.917	1.00 1.935	1,00 1,953	1.00 1.895	1.00 1.913	0 +0.9	0 +2.1			
Cotton]	ļ
Ginningsthous, of bales_ Receipts in sightthous, of bales_	2,837	2, 571	1, 660	898	³ 12, 755 633	1, 575	⁹ 17, 454 1, 212	-29, 5	-47.8	2, 787	1, 531	-45.
Receipts in sight thous of bales. Imports, unmanufactured bales. Exports, unmanufactured	19, 235	28, 845	41, 211	41, 445	38, 200	56, 939	39, 702	-7.8	-3.8	96, 641	79, 645	-17.
Exports, unmanufactured (including linters) bales Consumption by textile mills bales Stocks, domestic, end of month:	612, 935	999, 501 625, 680	767, 314 543, 598	728, 935 582, 417	634, 890 573, 810	1, 115, 792 603, 242	1, 010, 507 589, 513	-12.9 -1.5	-37. 2 -2. 7	2, 126, 299 1, 192, 755	1, 363, 825 1, 156, 227	-35. -3.
Total, mills and w'houses thous of bales Mills thous of bales Warehouses thous of bales.	6, 760 1, 327 5, 433	7, 521 1, 551 5, 969	7, 363 1, 707 5, 656	6, 721 1, 707 5, 014	5, 982 1, 669 4, 313	8, 011 1, 852 6, 159	7, 385 1, 932 5, 453	$ \begin{array}{c c} -11.0 \\ -2.2 \\ -14.0 \end{array} $	$ \begin{array}{r r} -19.0 \\ -13.6 \\ -20.9 \end{array} $			
Stocks, world visible, end of month: Totalthous. of bales Americanthous. of bales	6, 479 5, 297	7, 314 6, 074	7, 501 6, 041	7, 163 5, 470	6, 702 5, 020	8, 796 7, 227	8, 533 6, 860	-6.4 -8.2	-21.5 -26.8			
Prices: To producer, all gradesdolls. per lb In New York, middlingdolls. per lb	. 210 . 211	. 200	. 187 . 196	. 186 . 190	. 170 . 185	. 106 . 134	. 115 . 140	-8.6 -2.6	+47.8 +32.1			
Cotton Yarn		İ										
Machinery activity of spindles: Active spindlesthousands Total activitymillions of hours Activity per spindlehours Ratio to capacityper cent. Carded sales yarn:	32, 498 8, 705 238 105, 3	32, 269 8, 680 238 107. 2	31, 715 7, 859 215 94. 3	31, 698 8, 259 227 101, 5	31, 687 7, 969 220 101. 2	32, 636 8, 554 229 102. 0	32, 873 8, 239 222 106. 5	0 -3.5 -3.1 3	-3.6 -3.3 9 -5.0		1	11
Production thous. of lbs. Stocks, end of month thous. of lbs. Unfilled orders, end of moth. Prices of yarns;	16, 619 10, 165 27, 220	17, 162 11, 580 34, 692	21, 160 12, 880 40, 115	18, 934 13, 444 38, 287	18, 642 13, 611 38, 457			-1.5 +1.2 +.4				
22/1 cones, Bostondolls. per lb 40/1s, southern spinningdolls. per lb	. 402 . 546	. 383 . 530	. 371 . 522	. 369	. 360 . 494	.301 .460	. 306	-2.4 -5.5	+17.6 +6.5			

¹ Total ginnings of crop grown in previous year.

The cumulatives shown are through February. Earlier data for items shown		1927		19	28	19	27	CREASE	ENT IN- (+) OR ASE (-)		VE TOTAL INUARY 1 I FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
TEXTILES—Continued												
Cotton Goods	!							İ				
Cotton textiles: Production	331, 854 257, 011 432, 447 225, 560 293, 411	321, 621 292, 535 340, 221 193, 871 286, 097	372, 042 336, 501 386, 726 374, 581 328, 076	297, 669 367, 223 313, 893 194, 114 266, 947	300, 323 382, 142 284, 817 256, 328 285, 404	228, 933 216, 212 441, 799 376, 811 259, 955	232, 611 190, 520 454, 140 270, 644 258, 303	+.9 +4.1 -9.3 +32.1 +6.9	-5.3	461, 544 647, 455 518, 258	597, 992 450, 442 552, 351	+29.6 -30.4 +6.6
Fine cotton goods, productionpieces	2. 11 466, 529	472, 298	468, 823	401, 676	429, 095	3. 94 441, 484	4. 53 423, 976	+6.8	+1.2	865, 460	830, 771	-4.0
Cotton cloth: Importsthous. of sq. yds Exportsthous. of sq. yds	4, 425 42, 836	5, 081 45, 919	5, 565 41, 117	6, 472 34, 963	5, 813 33, 380	5, 056 39, 834	4, 699 35, 859	-10. 2 -4. 5		9, 755 75, 693	12, 285 68, 343	+25.9 -9.7
Fabrics for tire manufacture: Consumptionthous. of lbs	13, 549	12, 822	11, 949	16, 040	33, 330	14, 358	13, 609	-4.0	-0.9	70,080	,	
Prices: Print cloth, 64 x 60dolls. per yd_ Sheeting, browndolls. per yd_ Cotton goods (Fairchild), rel. to 1911-1913	. 087 . 111 175	. 083 . 110 172	. 080 . 105 168	. 080 . 098 166	. 077 . 095 163	. 068 . 080 143	. 069 . 081 145	-3.7 -3.1 -1.8				
Cotton Finishing												
White, dyed and printed (outside mills): Billings, finished goodsthous. of yds New orders, gray yardagethous. of yds Shipments, finished goods	85, 490 77, 296 50, 175 39, 094 73 5. 4	77, 239 69, 073 44, 671 41, 350 61 4. 4	77, 885 69, 836 43, 287 41, 059 59 3. 9	68, 737 75, 665 44, 673 40, 751 62 4. 7	78, 786 79, 184 49, 035 38, 698 69 5. 2	75, 510 88, 603 48, 936 36, 581 69 6. 8	83, 554 91, 402 48, 968 34, 971 82 7. 0	+14.6 +4.7 +9.8 -5.0 +11.3 +10.6	-5.7 -13.4 +.1 +10.7 -15.9 -25.7	159, 064 180, 005 97, 904		-7.3 -14.0 -4.3
outside): Productionthous. of yds Stocks, end of monththous of yds	64, 943	57, 006	48, 574	49, 826	64, 015			+28.5				
					74, 326							
Silk Imports, rawthous. of lbs Deliveries (consumption)bales Stocks, end of month:	7, 942 47, 827	5, 899 46, 947	7, 541 43, 357	7, 405 52, 420	6, 657 50, 679	8, 208 48, 307	5, 437 42, 860	-10.1 -3.3	+18.2	13, 645 91, 167	14, 062 103, 099	1
At warehousesbales At manufacturing plantsbales Silk machinery activity:	62, 366 25, 967	52, 069 26, 530	53, 540 24, 282	47, 528 3 26, 700	41, 677 27, 567	52, 627 24, 872	43, 758 22, 120	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	-4.8 + 24.6			
Broad loomsper cent of normal_ Narrow loomsper cent of normal_ Spinning spindlesper cent of normal_ Price, Japanese, 13-15, New York dolls, per lb	84. 2 54. 2 77. 6 5. 145	88. 4 53. 3 77. 8 4. 802	93. 0 51. 8 79. 6 4. 998	94. 6 50. 7 77. 3 5. 145	99. 1 50. 6 79. 1 5. 292	86. 4 56. 2 89. 4 5. 635	86. 2 58. 1 89. 1 6. 027	+4.8 2 +2.3 +2.9	-12.9			
Rayon												
Importsthous. of lbs_Stocks in bonded warehouses,	1, 386	1, 285	1, 764	1, 366	1, 146	700	852	-16.1	+34.5	1, 552	2, 512	+61.9
end of month thous. of lbs. Price, 150 denier, A grade, N. Y. dolls. per lb.	1, 674 1, 50	1, 680 1, 50	2, 549 1. 50	2, 915 1. 50	1. 50	1, 397 1. 45	1, 074 1. 45	0	+3.4			
Hosiery												
Production thous of dozen pairs. Net shipments thous of dozen pairs. Stocks, end of month thous of dozen pairs. New orders thous of dozen pairs. Unfilled orders, end of mo. thous of dozen pairs.	4, 151 4, 294 7, 965 4, 246 6, 481	3, 863 3, 927 7, 568 3, 838 6, 167	3, 386 3, 646 7, 640 3, 183 5, 395				3, 640 3, 412 7, 567 3, 701 5, 668					
Knit Underwear	0, 101	0,101	0,000	0,000		0,010	0,000					
Productionthous. of dozen garments Net shipmentsthous. of dozen garments Stocks, end of mothous. of dozen garments New ordersthous. of dozen garments Unfilled orders, end	1, 181 1, 359 1, 322 1, 147	1, 181 1, 230 1, 073 1, 046	973 959 1, 100 924	1,022 917 1,202 1,309	1, 134 1, 045 1, 218 1, 027	912 819 1, 157 1, 357	959 911 1, 213 1, 232	+11.0 +14.0 +1.3 -21.5	+18. 2 +14. 7 +0. 4 -16. 6	1, 871 1, 730 2, 589	2, 156 1, 962 2, 336	+15.2 +13.4 -9.8
of monththous. of dozen garments	2, 185	1, 967	1, 925	*2,313	2, 275	2, 091	2, 408	-1.6	-5.5			
Burlaps and Fibers Imports: Burlaps thous of lbs. Fibers (unmanufactured) long tons.	37, 396 16, 705	29, 569 25, 089	44, 451 23, 862	48, 922 39, 268	66, 102 28, 493	49, 797 29, 892	47, 320 20, 751	+35. 1 -27. 4	+39.7 +37.3	97, 117 50, 643	115, 024 67, 761	+18. 4 +33. 8
Pyroxylin Coated Textiles	20,100	20,000	20,002	00,200	20, 100	10,002	20,100					
Pyroxylin spreadthous. of lbs Shipments billedthous. of linear yards Unfilled orders, end	3, 042 2, 649	3, 092 2, 382	3, 502 2, 785	4, 068 3, 051	4, 752 3, 654	3, 206 2, 168	3, 398 2, 431	+16.8 +19.8	+50.3	6, 604 4, 599	8, 820 6, 705	+33. 6 +45. 8
of monththous, of linear yards Fur	2, 426	2, 678	2, 979	3, 588	4, 715	2, 486	3, 410	+31.4	+38.3			1
Sales by dealersthous. of dolls	8, 843	8, 115	8, 713	7, 081		13, 400	20, 239		-			
Buttons												
Fresh-water pearl buttons: Production: Stocks, end of monththous. of gross Revised.	53. 9 9, 604	52. 3 9, 646	45. 1 9, 662	48. 8 10, 902	51. 1 10, 748	44. 4 10, 300	48. 3 10, 134	+4.7 -1.4	+5.8 +6.1			

The cumulatives shown are through February. Earlier, data for items shown		1927		19)2 8	19	927	CREASE	ENT IN- (+) OR ASE (-)		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
ruary. Earner, data for trems shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
IRON AND STEEL Iron												
Manganese ore, importsthous. of long tons	15	27	32	9	18	16	24	+100.0	-25.0	40	27	-32, 5
Iron ore: Importsthous. of long tons Consumptionthous. of long tons	228 4, 024	200 3, 814	132 3, 992	251 4, 303	230 4, 395	233 4, 52 4	193 4, 234	-8.4 +2.1	+19. 2 +3. 8	426 8,758	481 8, 698	+12.9
Totalthous. of long tons At furnacesthous. of long tons On Lake Eric docks thous. of long tons	42, 164 34, 952 7, 212	41, 472 34, 528 6, 944	37, 582 30, 978 6, 604	33, 350 27, 062 6, 288	29, 003 23, 015 5, 988	33, 971 27, 279 6, 692	29, 809 23, 746 6, 063	-13.0 -15.0 -4.8	-2.7 -3.1 -1.2			
Pig-iron production: Total, United Statesthous. of long tons Merchant furnacesthous. of long tons Canadathous. of long tons Furnaces in blast, end of month:	2, 784 707 38	2, 648 710 38	2, 696 708 63	2, 870 715 65	2, 900 625 65	3, 104 760 52	2, 941 684 51	+1.0 -12.6 0.	$ \begin{array}{r} -1.4 \\ -8.6 \\ +27.5 \end{array} $	6, 045 1, 444 103	5, 770 1, 340 130	-4. 8 -7. 9 +26. 9
Furnacesnumber Capacitylong tons per day Per cent of totalper cent Ohio grav-iron foundries:	88, 300 47. 6	170 87, 700 47. 4	169 86, 835 47. 3	185 96, 640 52. 9	187 100, 060 53. 6	208 100, 635 57. 0	217 106, 135 59. 5	+1.1 +3.5 +1.3	-13.8 -5.7 -9.9			
Meltings— Actual long tons. Normal long tons. Ratio to normal per cent of normal. Stocks, end of month. per cent of normal. Receipts. per cent of normal.	14, 207 18, 389 77. 2 88 60	15, 647 19, 553 80. 0 104 74	10, 994 15, 342 71. 6 105 58	13, 977 16, 097 86. 8 129 88	15, 270 15, 245 100. 0 135 105	13, 613 18, 934 71, 3 91 62	13, 101 15, 478 84. 6 105 74	+9.3 -5.3 +15.2 +4.7 +19.3	+16.6 -1.5 +18.2 +28.6 +41.9	26, 714 34, 412	29, 247 31, 342	+9. 8 -8. 9
Malleable castings: Production	43, 074 45. 0 38, 433 37, 477	38, 210 40. 4 35, 735 32, 925	44, 781 47, 3 40, 269 45, 920	50, 096 41, 9 44, 458 49, 251	54, 031 62. 3 49, 253 51, 414	47, 454 47, 7 44, 717 46, 872	58, 882 60. 3 50, 264 54, 237	+7.9 +48.7 +10.8 +4.4	-8. 2 +3. 3 -2. 0 -5. 2	106, 336 94, 981 101, 109	93, 711 100, 665	-2, 1 -1, 3 -, 4
Wholesale prices: Foundry, No. 2, northerndolls. per long ton Basic (valley furnace)dolls. per long ton Composite pig irondolls. per long ton	19. 26 17. 00 18. 79	19, 21 17, 00 18, 42	19. 01 17. 00 18. 37	19. 01 17. 00 18. 37	19. 01 17. 00 18. 45	20, 26 18, 00 20, 16	20. 26 18. 00 19. 73	0 0 +.4	-6. 2 -5. 6 -6. 5			
Cast-iron Boilers and Radiators										}		
Round boilers: Production	19, 865 25, 734 25, 917 104, 301	14, 437 19, 972 17, 740 99, 284	10, 023 13, 185 11, 346 95, 453	9, 037 11, 009 11, 511 79, 400		17, 164 12, 692 10, 604 82, 765	15, 276					
Square boilers: Production thous. of lbs. Shipments thous. of lbs. New orders thous. of lbs. Stocks, end of month thous. of lbs.	24, 758 31, 156 30, 400	22, 575 29, 156 24, 812	18, 265 21, 637 16, 781	24, 743 19, 292 18, 230		20, 658 13, 105 10, 896	21, 331 13, 527 12, 473					
Production_thous. sq. ft. heating surface_ Shipments_thous. sq. ft. heating surface_ New orders_thous. sq. ft. heating surface_	110, 647 14, 088 18, 156 19, 683	101, 990 11, 251 17, 540 16, 154	97, 619 11, 539 13, 193 11, 772	120, 522 12, 581 10, 661 9, 990		81, 849 14, 226 9, 534 9, 240	89, 855 14, 842 9, 770 7, 393					
Stocks, end of monththous, sq. ft. heating surface	55, 030	49, 302	53, 793	48, 714		34, 464	40, 452					
Crude Steel												
Steel ingots, production: United States, totalthous. of long tons Ratio to capacityper cent Canadathous. of long tons U. S. Steel Corporation,	3, 289 69 56	3, 102 65 81	3, 150 66 96	³ 3, 961 83 84	4, 015 87 99	3, 760 79 59	3, 782 3 86 56	+1.4 +4.8 +17.9	+6.2 +1.2 +76.8	7, 542 115	7, 976 183	+5, 4
unfilled orders, end of monththous. of long tons Steel castings:*	3, 341	3, 455	3, 973	4, 276	4, 398	3, 800	3, 597	+2.9	+22.3			
Production— Total	62, 409 43	58, 997 41	³ 58, 332 40	³ 74, 079 51	86, 626 60	87, 086 60	88, 915 62	+16.9 +17.6	-2.6 -3.2	176, 001	160, 705	-8, 7
Miscellaneous short tons. New orders— Total short tons.	21, 947 40, 462 51, 748	19, 146 39, 851 62, 683	19, 358 3 38, 974 3 77, 062	28, 714 3 45, 365 3 91, 069	37, 719 48, 907 90, 059	34, 037 53, 049 107, 779	35, 322 53, 593 94, 683	+31.4 +7.8 -1.1	+6.8 -8.7 -4.9	69, 359 106, 642 202, 462	66, 433 94, 272 181, 128	-4.5 -11.6
Ratio to capacity per cent. Railroad specialties short tons. Miscellaneous short tons. Sheets, black, blue, galvanized, and full finished:	36 16, 625 35, 123	27, 639 27, 639 35, 044	53 39, 112 37, 950	* 41, 276 * 49, 793	62 41, 096 48, 963	75 53, 461 54, 318	66 41, 355 53, 328	-1. 6 4 -1. 7	-6.1 6 -8.2	94, 816 107, 646	82, 372 98, 756	-13. -8.
Production— Total	245, 765 71. 7	232, 041 65. 9	260, 130 75. 9	316, 541 89. 6	330, 565 98, 7	256, 856 83. 5	282, 171 97. 4	+4.4 +10.2	+17.2 +1.3	539, 027	647, 106	+20.
Total net tons. Unsold net tons. Shipments net tons. New orders net tons. Unfilled orders, end of month net tons. Steel barrels:	145, 980 50, 518 232, 626 234, 358 308, 264	145, 644 52, 966 224, 789 344, 519 437, 306	150, 104 52, 474 221, 689 530, 197 745, 393	170, 453 59, 508 274, 126 302, 921 694, 197	169, 918 55, 594 298, 420 266, 210 667, 054	161, 661 44, 974 239, 019 261, 357 526, 550	157, 614 47, 168 261, 412 241, 951 513, 002	3 -6.6 +8.9 -12.1 -3.9	+7.8 +17.9 +14.2 +10.0 +30.0	500, 431 503, 308	572, 546 569, 131	+14. +13.
Production barrels Ratio to capacity per cent Shipments barrels Stocks, end of month barrels Unfilled orders, end of month barrels Track work, production short tons	578, 408 51. 6 572, 893 59, 453 1, 000, 559 9, 914	500, 909 45. 6 497, 345 63, 017 845, 789 9, 706	444, 227 40. 6 454, 638 52, 606 1, 308, 365 9, 139		518, 944 46. 2 514, 362 58, 935 1, 417, 627 11, 371	529, 137 48. 1 525, 518 51, 409 1, 788, 194 12, 969		+9.0 +5.7 +8.5 +8.4 +4.9 +21.8	+2.9 0 +2.2 +12.6 -14.8 -16.9	1, 033, 271 1, 028, 701 26, 647	994, 850 988, 521	-3. 5 -3. 5

³ Revised.

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		15)2 8	15	27	PER CENT IN- CREASE (+) OR DECREASE (-)		CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28		Per ct in- crease (+) or de- crease
here may be found on pages 24 to 138 o the February, 1928, "Survey"	October	Novem- ber	Decem- ber	Januarý	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1929	(-) cumu lative 1928 from 1927
IRON AND STEEL—Continued		-										
Crude Steel-Continued]									
Iron, steel, and heavy hardware: Salesrel. to Jan., 1921 Lock washers, shipmentsthous. of dolls	216 199	186 174	166 183	157 219	236	169 208	165 253	+7.8	-6.7	461	455	-1.
Wholesale prices: Steel billets, Bessemerdolls. per long ton Iron and steeldolls. per long ton Structural steel beamsdolls. per 100 lbs	33. 00 35. 75 1. 80	33. 00 35. 39 1. 75	33. 00 35. 10 1. 80	33. 00 35. 27 1. 80	33. 00 35. 57 1. 85	35. 00 37. 76 2. 00	33. 00 37. 01 1. 95	0 +.9 +2.8	0 -3.9 -5.1			
Composite finished steel_dolls, per 100 lbs Fabricated Steel Products	2. 48	2. 47	2. 46	2. 47	2. 52	2. 62	2. 56	+2.0	-1.6			
Structural steel, fabricated:*		ĺ					İ					İ
New orders (prorated)short tons_ Ratio to capacityper cent_ Shipments (prorated)short tons_	288, 750 77 251, 250 67	³ 236, 250 63 247, 500 66	³ 262, 500 ³ 70 240, 000 64	³ 210, 000 ³ 56 210, 000 56	270, 000 72 232, 500 62	195, 000 52 195, 000 52	243, 750 65 202, 500 54	+28.6 +28.6 +10.7 +10.7	+10.8 +10.8 +14.8 +14.8	438, 750 397, 500	480, 000 442, 500	+9. +11.
Ratio to capacityper cent	47, 090	27, 341	3 35, 658	3 35, 787	49, 588	35, 854	59, 643		-16.9	95, 497	85, 375	-10.
Total short tons Ratio to capacity per cent Oil-storage tanks short tons Steel bars, cold finished, shipments* tons Steel boilers, new orders:	58 18, 648 27, 656	8, 920 27, 026	13, 367 28, 497	3 45 3 11, 101 45, 010	25, 532 40, 354	45 14, 342 34, 887	74 32, 983 39, 408	+38.6 +37.8 +130.0 -10.3	$ \begin{array}{r} -16.2 \\ -22.6 \\ +2.4 \end{array} $	47, 325 74, 295	36, 633 85, 364	-22 +14
Totalnumber	1, 270 930	1, 235 1, 125	1, 054 906	1, 029 859	967 1, 151	1, 021 1, 179	1, 101 1, 390	-6.0 +34.0	-12. 2 -17. 2	2, 122 2, 569	1, 996 2, 010	-5. -21.
Shipmentsthous, of dolls New ordersthous, of dolls Unfilled orders, end mo.thous, of dolls	2,380 2,411 1,574	2, 856 2, 476 1, 577	2, 741 2, 850 1, 414	2, 713 3, 248 2, 000	2, 909 3, 296 2, 389	2, 731 2, 887 1, 728	2, 686 2, 771 1, 804	+7. 2 +1. 5 +19. 5	+8.3 +18.9 +32.4	5, 417 5, 658	5, 621 6, 544	+3. +15.
Shelving— Shipmentsthous of dolls. New ordersthous of dolls. Unfilled orders, end mo_thous of dolls.	619 551 666	591 575 651	578 619 606	680 769 680	682 741 743	556 576 623	608 658 675	+.3 -3.6 +9.3	+12, 2 +12, 6 +10, 1	1, 164 1, 234	1, 362 1, 510	+17. +22.
Iron and steel: Exportslong tons Importslong tons	170, 255 39, 516	177, 928 51, 185	168, 428 55, 070	205, 766 49, 903	185, 915 36, 861	215, 235 42, 219	166, 128 31, 908	-9.6 -26.1		381, 363 74, 127	391, 681 86, 764	+2 +17
Machinery		:										
Washing machines, shipments: Totalnumber	86, 922	79, 422	69, 945	68, 840	74, 830	67, 214	74, 563	+8.7	+.4	141,777	143, 670	+1.
Electric number water softeners, domestic, shipments units water systems, shipments units. Pumps:	71, 570 1, 743 8, 365	64, 082 1, 414 7, 079	56, 999 1, 106 5, 980	56, 728 1, 268 3 6, 746	61, 944 1, 396 6, 076	55, 319 1, 273 4, 886	62, 510 1, 437 4, 975	+9. 2 +10. 1 -9. 9	9 -2.9 +22.1	117, 829 2, 710 9, 861	118, 672 2, 664 12, 822	+30.
Domestic shipments— Pitcher, hand, etcunits. Power, horizontal typeunits. Steam, power, and centrifugal—	40, 443 1, 758	36, 130 1, 461	38, 148 1, 370	³ 51, 822 ³ 1, 591	51, 999 1, 598	45, 283 608	46, 921 695	+.3 +.4	+10.8 +129.9	92, 204 1, 303	103, 821 3, 189	+12. +1 44.
New orders. thous. of dolls. Shipments thous. of dolls. Unfilled orders, end mo. thous. of dolls. Agricultural machinery and equipment:	1, 300 1, 303 2, 950	1, 403 1, 294 3, 092	1,300 1,255 3,125	1, 137 1, 138 3, 112	1, 346 1, 177 3, 260	1, 634 1, 112 3, 500	1, 390 3 1, 487 3, 384	+18. 4 +3. 4 +4. 8	$ \begin{array}{c c} -3.2 \\ -20.8 \\ -3.7 \end{array} $	3, 024 2, 599	2, 483 2, 315	-17. -10.
Shipments—	122. 6	87. 3	90. 7	3 116.0	171, 4	103. 7	140. 4	+47.8	+22.1			
Total rel to 1923-25. Domestic rel to 1923-25. Foreign rel to 1923-25. Production rel, to 1923-25. Foundry equipment:	112. 0 178. 0 121. 1	80. 0 125. 6 123. 5	82. 4 133. 8 136. 0	\$ 117. 2 \$ 109. 9 \$ 130. 7	161. 7 220. 4 137. 7	105. 6 93. 5 136. 9	133. 5 176. 2 138. 6	+38. 0 +100. 5 +5. 4	+21. 1 +25. 1 6			11
New ordersrel. to 1922–24. Shipmentsrel. to 1922–24. Unfilled orders, end of	98. 0 113. 4	95. 8 97. 2	106. 8 110. 4	129. 7 116. 4	123. 6 110. 6	180. 4	198. 0	-4.7 -5.0	-37. 6			
monthrel, to 1922-24	106. 3	105.8	103. 5	120.6	132. 9	 		+10.2				
Stokers, mechanical: Sales (new orders)number Sales (new orders)horsepower Machine tools:	95 27, 222	67 16, 955	83 32, 202	75 26, 572	85 43, 643	69 40, 467	105 41, 400	+13.3 +64.2	-19.0 +5.4	17 4 81, 867	160 70, 215	-8. -14.
New orders	133 152 23 1	134 149 214	169 157 192	218 149 293	201 175 330	123 138 248	143 155 234	-7.8 +17.4 +12.6	+40.6 +12.9 +41.0			
New orders thous, of dolls Shipments thous, of dolls	1, 144 1, 124	1, 075 1, 152	1, 305 1, 172	1, 145 1, 130		1, 381 1, 230	1, 401 1, 255					
Cancellationsthous. of dolls_ Machines shippednumber_ Unfilled orders, end of mo_thous. of dolls_ Electric hoists:	23 872 975	12 854 997	19 881 1, 470	23 920 1, 4 56		14 985 1,726	14 928 1,814					
New orders— number_ Quantity	270 11 4, 83 5 121, 44 5	223 102, 238 139, 066	272 122, 663 102, 206	346 160, 852 133, 842	399 172, 472 166, 920	262 134, 006 139, 522	269 148, 381 127, 459	+15.3 +7.2 +24.7	+48.3 +16.2 +31.0	531 282, 387 266, 981	745 333, 324 300, 762	+40. +18. +12.
Clectric overhead cranes: Shipments thous of dolls	764	637	762	432	595	704	934	+37.7	-36.3	1, 638	1, 027	-37.
New orders	566 2, 117	525 1, 975	586 1, 792	358 1, 735	519 1, 763	888 3, 971	694 3,352	+45.0 +1.6	-25. 2 -47. 4	1, 582	877	-44.
Tractorsnumber of vehicles	11 81 17	15 64 19	8 77 11	5 98 9	15 87 18	6 67 17	120	+200.0 -11.2 +100.0	+36. 4 -27. 5 +157. 1	17 187 24	20 185 27	+17. -1. +12.

<sup>Bevised.
*See tables on p. 21 of the March, 1928, issue for earlier data.
† See p. 41 of Part II, Metals and Machinery, of the Record Book of Business Statistics.</sup>

The cumulatives shown are through February. Earlier data for items shown		1927	<u> </u>	19)28	19	927	CREASE	ENT IN- (+) OR ASE (-)	CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28		Per ct. in- crease (+) or de-
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
IRON AND STEEL—Continued												
Machinery—Continued												
Fire-extinguishing equipment, shipments: Motor vehicles	108	111	114	71	92	93		+29.6	0.0	185	163	-11.9
Hand typesnumber_ Patents issued:	48, 472	43, 723	47,870	43, 175	40,710	47, 354	47, 302	-5.7	-13.9	94, 656	83, 885	-11.4
Total, all classesnumber_ Agricultural implementsnumber_ Internal-combustion enginesnumber_	3, 185 57 73	4, 232 61	3, 170 42	3, 504 45	3, 136 32	3, 029 42	3, 148 48	-10.5 -28.9 $+19.6$	4 -33.3 +10.9	6, 177 90 119	6, 640 77	+7.5 -14.4
NONFERROUS METALS	10	60	33	51	61	64	55	T19.0	710.9	119	112	-5.9
Copper												
Production: Minesshort tons.	68, 959	68, 080	67,822	* 68, 469	67, 423	76, 198	69, 202	-1.5	-2.6	145, 400	135, 892	-6.5
Smeltershort tons_ Refined (North and South	83, 551 124, 927	79, 878 118, 269	85, 862 128, 923	77, 429 122, 723	81, 895 124, 848	89, 719 133, 110	80, 065 122, 673	+5.8	+2.3	169, 784	159, 324 247, 571	-6.2
America) short tons World production, blister short tons Domestic shipments, refined short tons	145, 278 68, 619	141, 975 59, 264	148, 961 60, 862	140, 546 64, 824	145, 401 73, 789	143, 337 76, 499	132, 870 67, 563	+1.7 +3.5 +13.8	+1.8 +9.4 +9.2	255, 783 276, 207 144, 063	285, 947 138, 613	-3. 2 +3. 5 -3. 8
Exports short tons Stocks (North and South America), end mo.:	41,317	41, 129	51, 322	52, 095	43, 092	43, 879	37, 184	-17.3	+15.9	81,063	95, 187	+17.4
Refinedshort tons_ Blistershort tons_ Wholesale price, electrolyticdolls. per lb_	83, 882 246, 354	90, 874 250, 014	95, 298 248, 420	96, 476 237, 961	86, 932 247, 739	93, 982 276, 316	105, 401 272, 757	-9.9 +4.1	-17. 5 -9. 2			
	. 1296	. 1332	. 1377	. 1385	. 1382	. 1299	. 1268	2	+9.0			
Copper Products Plumbing fixtures:												
Wholesale price, 6 piecesdollars_ Wire cloth:	104. 71	104. 33	99. 44	98. 59	98. 40	105, 91	105. 16	2	+6.4			
Production thous. of sq. ft_Shipments thous. of sq. ft_	432 446	464 470	492 404	449 425	435 453	501 424	468 415	-3.1 +6.6	-7.1 +9.2	969 839	884 878	-8.8 +4.6
Stocks, end of monththous. of sq. ft	1, 187 476	1, 161 442	1, 213 381	1, 189 414	1, 150 399	1, 149	1, 143	-3.3 -3.6	+ 6		813	
Make and hold orders, end	332	292	316	315	297	286	275	-5.7	+8.0			
of mothous. of sq. ft.	412	366	413	441	412	341	345	-6.6	+19.4			
Deliveries (consumption)long tons	6,005	5, 665	4, 535	5, 415	5, 790	6, 295	5, 965	+6.9	-2.9	12, 260	11, 205	-8.6
Stocks and of month	14, 684	14, 594	15, 733	15, 244	17, 645	15, 342	14, 221	+15.8	+24.1	12, 200	11, 200	-3.0
World visible supply long tons United States long tons Imports. long tons Price, pig, New York dolls. per lb	3, 158 7, 179	2,003 4,876	1,573 3,958	³ 2, 518 5, 727	1,998 5,992	3, 304 7, 966	2, 484 4, 704	-20.7 +4.6	$\begin{vmatrix} -19.6 \\ +27.4 \end{vmatrix}$	12, 670	11,719	-7.5
	5, 756	. 5709	. 5805	. 5518	. 5179	. 6479	. 6653	-6.1	-22.2			
Zine Retests in energtion and of month number	76 067	70 007	77 004	70.004	50.444	00.000	0,5 00,0		15.0			
Retorts in operation, end of monthnumber_ Productionshort tons_ Stocks, end of monthshort tons_	76, 067 50, 185 36, 223	76, 627 49, 217 39, 320	77, 084 52, 347 40, 751	72, 204 52, 414 42, 163	72, 444 50, 042 41, 317	88, 908 56, 898 29, 912	85, 836 51, 341 32, 938	+.3 -4.5 -2.0	$ \begin{array}{r r} -15.6 \\ -2.5 \\ +25.4 \end{array} $	108, 239	102, 456	-5.3
Ore. Joplin district:	76, 430	49, 830	54, 586	37, 612	47, 217	69, 835	46, 603	+25.5	+1.3	116, 438		-27.1
Shipments short tons Stocks, mines, end of month short tons Price, slab, prime western dolls. per lb.	29, 776 . 0600	39, 296 . 0575	43, 147 . 0572	49, 905 . 0564	52, 398 . 0555	25, 515 . 0666	29, 202 . 0667	+5.0 -1.6	+79.4			
Lead												
Production short tons Ore shipments:	56, 134	57, 703	56, 812	54, 820	55, 768	59, 383	54, 151	+1.7	+3.0	113, 534	110, 588	-2.6
Joplin district short tons. Utah short tons. Receipts in U. S. ore short tons.	7, 864 66, 157 53, 017	8, 207 70, 752 57, 035	13, 079 83, 003 57, 027	7, 463 75, 855	6, 665 72, 264	10, 812 64, 768 56, 345	7, 448 61, 305	-10.7 -4.7	-10.5 +17.9	18, 260 126, 073	14, 128 148, 119	-22.6 +17.5
Stocks, U. S. and Mexico, end mo_short tons. Price, pig, desilverized, N. Ydolls. per lb_	155, 868	155, 568 . 0626	156, 280 . 0650	55, 970 157, 417 . 0650	. 0633	134, 682	51, 722 139, 824 .0742	-2.6	-14.7			
Enameled Ware				. 0000								
Baths: Shipments pieces	85, 163	72, 424	55, 974	70, 633	75, 663	83, 117	82, 810	+7.1	-8.6	165, 927	146, 296	-11.8
Stocks, end of monthpieces_ New orderspieces_ Unfilled orders, end of monthpieces_	137, 830 82, 762	146, 113 69, 356	157, 868 66, 504	156, 020 78, 494	165, 514 83, 479	182, 363 86, 802	189, 108 79, 810	+6.1 +6.4	$\begin{vmatrix} -12.5 \\ +4.6 \end{vmatrix}$	166, 612	161, 973	-2.8
Lavatories:	33, 154 98, 731	28, 993	33, 160	36, 473	43, 321	47, 343	43, 104	+18.8	+.5	191, 818	174, 329	-9.1
Shipments pieces_ Stocks, end of month pieces_ New orders pieces_	188, 202 95, 032	77, 862 193, 811 76, 055	66, 913 204, 744	86, 946 201, 891	87, 383 217, 715	102, 986 256, 114	88, 832 267, 550	+.5 +7.8	-1.6 -18.6	192, 600	191, 649	-, 5
Sinks:	113, 717	76, 055 83, 780	78, 292 73, 450	94, 242 93, 739	97, 407 90, 126	106, 720 99, 178	85, 880 99, 613	+3.4	+13. 4 -9. 5	192, 600	123, 865	-37.7
Shipmentspieces_ Stocks, end of monthpieces_ New orderspieces_	213, 006 106, 438	223, 265 84, 031	233, 091 86, 879	232, 325 97, 336	260, 971 101, 797	296, 158 104, 926	311, 786 94, 215	+12.3 +4.6	-16.3 +8.0	199, 141	199, 133	
Miscellaneous sanitary ware: Shipmentspieces	44, 998	40, 441	34, 675	42,043	42, 601	40, 465	45, 630	+1.3	-6.6	86, 095	84, 644	-1.7
Stocks, end of monthpieces_ New orderspieces	133, 612 45, 972	131, 329 138, 279	140, 597 38, 814	133, 366 40, 353	136, 524 44, 945	130, 881 44, 262	139, 952 43, 349	+2.4 +11.4	-2.4 +3.7	87, 611	85, 298	-2.6
Small ware (all except baths): Unfilled orders, end of monthpieces_	97, 538	95, 330	104, 774	99, 903	124, 840	117, 617	118, 617	+25.0	+5.2			
Enameled sheet-metal ware: Shipmentsdozen pieces	322, 081	287, 115	307, 280	319, 218		350, 748	372, 452			1		
³ Revised.	•											

The cumulatives shown are through Feb-		1927		19	28	19	27		ent in- (+) or (se (-)	CUMULATIV FROM JA THROUGH ARY 28	Per ct. in- crease (+) or de-	
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
NONFERBOUS METALS—Continued												
Other Metal Products				İ								
Babbitt metal, consumption: Total apparentthous. of lbs. Direct by producersthous. of lbs. Sale to consumersthous. of lbs. Band instruments, shipments:	5, 115 1, 255 3, 860	4, 506 1, 186 3, 320	4, 466 1, 296 3, 170	4, 929 894 4, 034	4, 470 1, 027 3, 444	5, 440 1, 220 4, 220	5, 452 1, 066 4, 386	-9.3 +14.9 -14.6	-18.0 -3.7 -21.5	10, 892 2, 286 8, 606	9, 399 1, 921 7, 478	-13. 7 -16. 0 -13. 1
Total dollars Cup mouthpieces dollars Saxaphones dollars Wood wind dollars	594, 020 234, 399 325, 587 34, 034	603, 944 216, 128 352, 960 34, 856	589, 967 223, 946 340, 266 25, 755	318, 106 126, 852 169, 050 22, 204	445, 737 169, 616 247, 489 28, 632	407, 776 143, 893 240, 763 23, 120	474, 302 160, 558 289, 347 24, 397	+40. 1 +33. 7 +46. 4 +28. 9	$ \begin{array}{r} -6.0 \\ +5.6 \\ -14.5 \\ +17.4 \end{array} $	882, 078 304, 451 530, 110 47, 517	763, 843 296, 468 416, 539 50, 836	-13.4 -2.6 -21.4 +7.6
Electrical Equipment	ļ !											
Motors: New orders	740, 366 834, 479 2, 577, 732	626, 092 630, 628 2, 728, 841	864, 562 815, 830 1, 947, 433	569, 883 638, 562 2, 139, 038		692, 583 766, 011 2, 258, 668	731, 426 671, 208 2, 055, 172					
Vulcanized fiber: Shipments, total thous. of dolls. Consumption thous. of lbs. Nonmetallic conduits, shipments. thous. of tb. Delinquent accounts, electrical trade:	748 2, 030 9, 614	667 1, 929 9, 017	596 2, 231 6, 735	8, 085		795 2, 939 10, 488	732 2, 371 8, 464					
Amount dollars Delinquent firms number	156, 606 1, 365	148, 358 1, 286	197, 462 1, 381	184, 500 1, 361	184, 688 1, 407	180, 048 1, 397	206, 283 1, 505	+.1 +3.4	-10.5 6.5			
AUTOMOBILES												
Production: United States—	a.o. =											
Total number of cars Passenger cars number of cars Trucks number of cars Canada—	219, 712 183, 042 36, 670	134, 411 109, 758 24, 653	133, 551 106, 079 27, 472	231, 647 205, 543 26, 104	323, 368 290, 830 32, 538	238, 927 199, 650 39, 277	304, 763 264, 171 40, 592	+39. 6 +41. 5 +24. 6	+6.1 +10.1 -19.8	543, 690 463, 821 79, 869	555, 015 496, 373 58, 642	+2. 1 +7. 6 -26. 6
Total number of cars Passenger cars* number of cars Trucks number of cars Exports (assembled): From United States—	7, 791 6, 236 1, 555	6, 617 5, 173 1, 444	3, 435 2, 277 1, 158	8, 463 6, 705 1, 758	12, 504 10, 315 2, 189	15, 376 11, 745 3, 631	18, 655 14, 826 3, 829	+47.7 +53.8 +24.5	-33. 0 -30. 4 -42. 8	34, 031 26, 571 7, 460	20, 967 17, 020 3, 947	-35. 9 -47. 1
Total number of cars Passenger cars number of cars Trucks number of cars From Canada—	27, 718 19, 366 8, 352	31, 405 21, 396 10, 009	23, 609 16, 473 7, 136	32, 060 20, 476 11, 584	33, 952 25, 114 8, 838	29, 835 22, 122 7, 713	31, 524 21, 355 10, 169	+5.9 +22.7 -23.7	+7.7 +17.6 -13.1	61, 359 43, 477 17, 882	66, 012 45, 590 20, 422	+7.6 +4.9 +14.2
Total number of cars Passenger cars number of cars Trucks number of cars Foreign assemblies number of cars	3, 507 2, 380 1, 127 12, 988	3, 876 2, 403 1, 473 12, 481	2, 193 1, 857 336 12, 518	3, 502 1, 838 1, 664 3 12, 114	4, 111 2, 628 1, 483 12, 044	7, 466 5, 296 2, 170 14, 943	5, 308 3, 597 1, 711 16, 154	+17.4 +43.0 -10.9 6	-22.6 -26.9 -13.3 -25.4	12, 774 8, 893 3, 881 31, 097	7, 613 4, 466 3, 147 24, 158	-40.4 -49.8 -18.8 -22.8
Sales, passenger cars and motor cycles thous. of dolls. Shipments (General Motors Co.):	185, 626	148, 071	63, 381	64, 403		85, 667	149, 437					
To dealers	128, 459 153, 833	57, 621 80, 539	60, 071 53, 760	125, 181 107, 278	169, 232 132, 029	99, 367 81, 010	124, 426 102, 025	+35. 2 +23. 1	+36.0 +29.4	223, 793 183, 035	294, 413 239, 307	+31. 0 +30.
Original equipment. rel. to Jan., 1925. Replacement parts. rel. to Jan., 1925. Accessories. rel. to Jan., 1925. Service parts. rel. to Jan., 1925.	124 174 103 120	99 132 75 143	111 126 61 104	163 137 79 142	187 128 91 158	132 107 79 140	158 100 93 155	+14.7 -6.6 +15.2 +11.3	+18.4 +28.0 -2.2 +1.9 +19.8	15, 402		
Exports thous. of dolls. Rim production thous. of rims.	6,600 1,385	7, 501 839	7, 505 1, 134	7, 489 1, 812	9, 570 1, 806	7, 411 1, 489	7, 991 1, 753	+27.8 3	+19.8 +3.0	15, 402 3, 242	17, 059 3, 618	+10.8 +11.6
FUELS Coal and Coke					ļ i							
Bituminous: Production—												
United Statesthous. of short tons Canadathous. of short tons Exportsthous. of long tons	44,000 1,477 1,252	40, 628 1, 753 1, 121	41, 277 1, 867 832	44, 208 850	41, 351 796	56, 882 1, 570 1, 720	52, 904 1, 384 1, 352	-6. 5 -6. 4	-21. 8 	109, 786 3, 072	85, 559 1, 646	-22. 1 -46. 4
Consumption— By vessels———thous, of long tons— By electric power	351	363	271	319	267	376	304	-16, 3	-12. 2	680	586	-13.8
plantsthous. of short tons_ By railroadsthous, of short tons	3, 663 8, 418	3, 560 7, 847	3, 719 8, 198	3, 678		3, 804 9, 186	3, 336 8, 074					
By coke plants— United States—thous, of short tons— Canada—thous, of short tons—	6, 006 223	5, 626 229	5, 834 261	6, 168 257		6, 557 251	6, 124 226					
Prices— Mine aver. (spot)_dolls. per short ton Wholesale compdolls. per short ton Retail, composite_dolls. per short ton	1. 95 4. 199 9. 33	1. 90 4. 160 9. 32	1. 90 4. 144 9. 31	1. 84 4. 093 9. 21	1. 86 4. 069 9. 28	2. 30 4. 450 9. 97	2, 11 4, 338 9, 86	+1. 1 6 +. 8	-11.8 -6.2 -5.9			
Anthracite: Production thous, of short tons Exports thous, of long tons	7, 404 310	6, 902 277	6, 032 226	5, 690 233	5, 582 224	6, 561 220	5, 852 185	-1.9 -3.9	-4.6 +21.1	12, 413 405	11, 272 457	-9. 2 +12. 8
Prices— Wholesale, compdolls. per long ton Retail, compositedolls. per short ton Coke:	13. 389 15. 07	13. 389 15. 07	13. 389 15. 08	13. 130 15. 08	13, 232 15, 09	13. 779 15. 42	13. 724 15. 44	+.8 +.1	-3.6 -2.3			
Production, U. S.— Beehive.——thous. of short tons. By-product.—thous. of short tons. Production, Canada. thous. of short tons.	3, 720 152	379 3, 500 157	377 3, 646 177	376 3,880 179	390 3, 708	787 3,700 177	754 3, 435 158	+3.7 -4.4	-48.3 +7.9	1, 541 7, 135	766 7,588	-50.3 +6.3
Exportsthous. of long tons_ Price, furnace, Connellsvilledolls, per short ton_	69 2 . 91	75 2.83	63 2, 79	65 2.78	76	59 3 88	59 3.70	+16.9	+28.8	118	141	+19.5
Connelisvilledolls, per short ton Revised.	2. 91	2. 83		2.78	2.71	•	sent issue f	-2.5	-26.8	''		

Revised.

^{*} See table on page 18 of the present issue for earlier data.

The cumulatives shown are through February. Earlier data for items shown		1927		15	928	19	927	CREASE	ent in- (+) or ase (-)	CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28		Per ct in- crease (+) or de-
ruary. Earner data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu lative 1928 from 1927
FUELS—Continued												
Petroleum	Í				İ							
Crude petroleum: Productionthous. of bbls	77, 081	73, 778	74, 108	72, 321	67, 652	71, 475	67, 874	-6.5	-0.3	139, 349	139, 973	+0.
Stocks end of month— Total (comparable)——thous, of bbls—	345, 357	348, 885	351, 646	358, 892	362, 963	278, 972	285, 458	+1.1	+27.2			
Tank farms and pipe linesthous. of bbls_ Refineriesthous, of bbls_	306, 803	310, 058	312, 411	317, 725	320, 602	243, 428	247, 749	+0.9	+29.4			ļ <u></u>
California—	38, 554	38, 827	39, 235	41, 167	42, 361	35, 544	37, 709	+2.9	+12.3			
Light thous of bbls. Heavy thous of bbls. Imports thous of bbls.	21, 609 91, 858 4, 633	21, 191 92, 555 5, 339	20, 058 91, 797 6, 209	20, 493 94, 327 6, 145	20, 110 94, 797 6, 036	31, 017 87, 971 4, 514	29, 770 87, 640 4, 181	$\begin{array}{c c} -1.9 \\ +0.5 \\ -1.8 \end{array}$	-32. 4 +8. 2 +44. 4	8, 695	12, 181	+40.
Consumption (run to stills) thous, of bbls	71, 932 80	69, 587 81	70, 323	68, 193	65, 601 73	69, 603 79	63, 036 79	-3.8 +1.4	+4.1 -7.6	132, 639	133, 794	+0.
Refinery operationsper ct. of capacity	1. 240 1, 086	1. 230 1, 044	1. 220 905	1. 220 764	1. 213 836	1.750 1,385	1. 700 1, 342	-0.6 +9.4	-28. 6 -37. 7	2, 727	1, 600	-41.
Gasoline: Production—							l	,	•			
Raw (at refineries)thous. of bbls_ Natural gas (at plants)_thous. of bbls_	28, 903 3, 419	28, 558 3, 410	28, 512 3, 512	27, 879 3, 367	26, 7 75 3, 2 79	27, 960 3, 145	25, 024 2, 933	-4.0 -2.6	+7.0 +11.8	52, 984 6, 078	54, 654 6, 646	+3. +9.
Exports thous, of bbls. Consumption thous, of bbls.	3, 805 25, 497	3, 654 24, 400	2, 949 23, 718	3, 692 20, 939	3, 326 21, 136	3, 425 17, 888	3, 475 18, 240	-9.9 +0.9	-4.3 +15.9	6, 900 36, 128	7, 018 42, 075	+1. +16.
Stocks, end of month— Raw (at refineries)——thous. of bbls— Natural gas (at plants)—thous. of bbls—	29, 550 923	30, 401 820	32, 323 734	36, 112	38, 782 824	46, 058 560	49, 714	+7.4	-22.0			
Prices— Wholesale, New Yorkdolls, per gal	. 170	. 170	. 170	740 . 170	. 170	. 210	.218	+11.4 0.0	+33.3	(
Retail, wagon, 50 cities*_dolls. per gal Retail distribution, 41 States thous of gals_	. 143	3 742, 145	. 143 3 674, 840	143 8 629, 464	. 147	. 175 3 545, 510	170 3 529, 487	+2.8	-13.5			
Kerosene: Production thous. of bbls	4, 884	4, 824	4, 869	5, 047	4, 783	5, 113	4, 453	-5.2	+7.4	9, 566	9, 830	+2.
Exports thous of bbls Consumption thous of bbls Stocks at refineries, end mo thous of bbls	2, 193 3, 469	1, 815 2, 514	1, 226 3, 819	2, 345 2, 742	1, 541 3, 221	1, 592 3, 882	1, 381 2, 590	-34.3 + 17.5	$+11.6 \\ +24.4$	2, 973 6, 472	3, 886 5, 963	+30. -7.
Recall distribution, 13 States, thous, of pois	7, 325 3 32, 995	7, 841 3 28, 719	7, 669 3 29, 902	7, 670 3 27, 690	7, 692	8, 190 3 29, 515	8, 655 3 28, 729	+0.3	-11. 1			
Price, 150° water whitedolls. per gal Gas and fuel oils:	. 073	.073	. 072	. 070	. 070	. 094	. 088	0.0	-20.5	99 101	40.015	
Production thous. of bbls. Consumption—	34, 045	32, 594	33, 029	32, 271	30, 944	32, 936	30, 185	-4. 1 -0. 8	+2.5	63, 121	63, 215	+0.
By vesselsthous, of bbls. By electric pow. plants_thous. of bbls. By railroadsthous. of bbls.	4, 594 507 4, 652	4, 110 507 4, 123	4, 264 649 4, 211	3, 783 589	3, 751 539	3, 940 821 4, 283	3, 587 670 3, 719	-8.5	+4.6 -19.6	1, 491 8, 002	7, 534 1, 128	+0. -24.
Stocks at refineries, end mo thous of bbls Price, Okla. 24-26, refineries dolls. per bbl	33, 191 . 865	33, 637 . 838	31, 982	29, 623 . 800	29, 011 . 850	23, 195 1, 255	22, 099 1. 250	$ \begin{array}{r} -2.1 \\ +6.3 \end{array} $	+31.3 -32.0			
Lubricating oil: Production thous. of bbls_	2,757	2, 477	2,801	2,658	2, 728	2, 570	2, 345	+2.6	+16.3	4, 915	5, 386	+9.
Consumptionthous. of bbls_ Stocks at refineries, end mo_thous. of bbls_	1,782 7,584	1,739 7,524	1,663 7,860	1, 606 7, 978	1, 533 8, 332	1, 496 7, 887	1, 231 8, 361	-4.5 +4.4	+22.5 -0.3	2, 747	3, 139	+14.
Price, cylinder oildolls. per gal Asphalt:	. 253	. 245	. 245	. 245	. 245	. 255	. 255	0.0	-3.9			
Productionthous. of short tons Stocks, end of month _thous. of short tons	333 189	290 196 9	263 221 9	199 209	209 320	191 215	173 235	+5.0 $+53.1$	+20.8 +36.2	364	408	+12.
Imports thous, of short tons. Coke: Production thous, of short tons.	14 102	102	108	103	100	19	14 88	-42.9 -2.9	-71.4 $+13.6$	181	11 203	-66.
Stocks, end of month_thous. of short tons_ Wax:	331	349	345	330	337	287	295	+2.1	+14.2			
Production thous. of lbs_ Stocks, end of month thous. of lbs_	49, 476 170, 367	48, 146 171, 700	54, 039 167, 214	55, 320 168, 900	49, 068 166, 244	54, 114 192, 835	47, 363 198, 452	-11.3 -1.6	+3.6 -16.2	101, 477	104, 388	+2.
RUBBER		1					!					ĺ
Crude Rubber												
World shipments, plantationlong tons Imports (including latex)long tons	50, 370 30, 184	3 48, 565 38, 592	³ 54, 315 30, 736	47, 378 39, 108	33, 392	56, 559 43, 340	44, 639 28, 337	-14.6	+17.8	71,677	72, 500	+1.
Consumption (quarterly): Total long tons.	5 82, 073	55,552	6 74, 391	00,100	00,002	7 76, 555	20,007	11.0	111.0	329, 742	342, 726	+3.
For tires long tons. Consumption by tir e mfrs thous. of lbs.	5 69, 369 37, 130	33, 845	6 60, 592 32, 654	43, 709		7 64, 891 44, 078	45, 037			281, 656	291, 186	+3.
Stocks, end of quar ter: Totallong tons	5 90, 861		6 96, 601			7 68, 876						
Manufacturers long tons Dealers long tons	5 72, 589 5 17, 872		6 77, 932 6 18, 669			7 58, 785 7 10, 091						
Afloat long tons. World stocks, end of month:	36,006	264 500	961 500			7 50, 529	949 740					
World total long tons. United States long tons. Europe long tons.	263, 683 97, 453 73, 876	264, 590 101, 034 70, 880	261, 592 100, 131 66, 737			237, 425 76, 172 58, 329	248, 740 91, 186 62, 443					
Producing countrieslong tons	27, 654 64, 700	30, 376 62, 300	27, 324 67, 400	27, 453 69, 594		27, 224 75, 700	28, 611 66, 500					
Afloat long tons Wholesale price, Para, N. Y dolls. per lb.	. 249	. 273	. 294	. 288	. 234	. 268	. 261	-18.7	-10.3			
Tires and Tubes												
Pneumatic tires: Productionthousands	3, 603	3, 394	3, 391	4, 126		3, 731	3, 834					
Stocks, end of month thousands. Shipments—	7, 287	7, 635	7,734	7, 491		7,839	8, 298					ļ
Domestic thousands Export thousands	3, 484 133	3, 100 145	2, 959 178	3, 924 132		3, 534 172	3, 204 151		!			1

 $^{^{\}bullet}$ See table on p. 21 of the March, 1928, issue for earlier data. Revised.

⁶ Quarter ended Sept. 30, 1927. ⁶ Quarter ended Dec. 31, 1927.

⁷ Quarter ended Dec. 31, 1926.

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		19	28	19	27	PER CENT IN- CREASE (+) OR DECREASE (-)		CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28		Per ct. in- crease (+) or de-
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
RUBBER - Continued												
Tires and Tubes-Continued												
Inner tubes: Productionthousands	3, 809	3, 593	3, 742	4, 086		4,007	3, 724					8
Stocks, end of monththousands_ Shipments—	10, 187	10, 216	10, 297	9, 760		11, 704	12, 595					
Domestic thousands Export thousands	3, 685 93	3, 463 88	3, 413 133	4, 469 90		4, 428 89	3, 763 80					
Solid and cushion: Productionthousands	34	32	33	37		44	46					
Stocks, end of monththousands Shipments—	162	161	161	164		166	163					
Domestic thousands Export thousands	40 4	32 3	28 4	31 3		36 7	40	- -				
Other Rubber Products	_		-									
Reclaimed rubber (quarterly):												
Production long tons Stocks, end of quarter long tons	5 39, 449 5 17, 812		6 46, 530 6 19, 567			7 44, 989 7 18, 160				167, 942	172, 723	+2.8
Scrap rubber (quarterly):			6 62, 016			7 65, 969			i			
Stocks at reclaimers long tons. Consumption by reclaimers long tons. Rubber-proofed fabrics:	⁸ 50, 495		6 61, 331			7 58, 410				216, 297	222, 180	+2.
Production— Totalthous. of yds	3 4, 634	3 3, 791	3 2, 518			1, 916	2,084					
Auto fabricsthous. of yds	819 3, 179	691 2, 489	621 1, 303			718 784	718 881					
All other thous. of yds_ New orders, auto fabrics thous. of yds_	636 827	611 720	594 710			414 957	485 1, 005					
Production, relative to capacity_per cent Rubber heels:	81.2	26.3	23. 6			35. 7	51.0					
Productionthous. of pairs_ Shipments—	21, 151	20, 556	19, 203	17, 682		13, 660	12, 733					
To shoe manufacturers_thous, of pairs	10, 546 9, 305	10, 245 7, 129	8, 384 6, 009	10, 786 6, 314		6, 685 4, 013	6, 652 4, 062					
For exportthous. of pairs_ Stocks, end of monththous. of pairs_	913 39, 723	1, 415 41, 727	1, 087 42, 802	793 43, 796		793 46, 355	1, 113 48, 010	-				
Rubber soles: Productionthous, of pairs_	3, 697	3, 347	3, 255	3, 431		1, 475	880			fl .		
Shipments— To shoe manufacturers thous. of pairs.	2, 169	2, 520	2, 498	2, 243		749	621					
To repair tradethous, of pairsthous, of pairsthous, of pairs	1,096 46	976 142	974 129	916 675		152 216	132 18					
Stocks, end of monththous. of pairs_ Mechanical rubber goods:	3, 899	3,872	3, 257	3, 148		3, 247	3, 309					
Shipments— Totalthous, of dolls	5, 244	4, 941	5, 898	5, 630		5, 327	5, 678					
Belting thous of dolls Hose thous of dolls	1, 368 1, 837	1, 175 1, 840	1, 557 2, 190	1, 388 2, 257		1, 263 2, 351	1, 370 2, 447					
All otherthous. of dolls_	2, 039	³ 1, 925	2, 151	1, 984		1,713	1,861					
HIDES AND LEATHER												
Hides												
Total hides and skinsthous. of lbs_ Calfskinsthous. of lbs_	36, 356 3, 699	37, 328 3, 717	38, 151 3, 177	36, 409 3, 410	33, 421 2, 861	26, 110 2, 296	24, 553 2, 963	-8. 2 -16. 1	+36.1 -3.4	50, 663 5, 259	69, 830 6, 271	+37.8 +19.5
Cattle hidesthous. of lbs Goatskinsthous. of lbs	21, 561 5, 700	20, 634 6, 585	23, 391 5, 326	18, 856	16, 269 7, 453	12, 357 5, 791	10, 534 6, 055	-13.7 +36.8	+54.4 +23.1	22, 891 11, 846	35, 125 12, 901	+53. +8.
Sheepskinsthous, of lbs_ Stocks, end of month:	3, 195	4, 676	3, 740	5, 448 5, 117	4, 276	3, 763	3, 763	-16.4	+13.6	7, 526	9, 393	+24.
Total hides and skins thous, of lbs Cattle hides thous, of lbs	248, 187 200, 220	249, 673 203, 146	242, 300 198, 623	244, 242 204, 224		260, 214 210, 528	244, 323 195, 481					
Calf and kip skins thous, of lbs. Sheep and lamb skins thous, of lbs.	27, 942 20, 025	26, 973 19, 554	26, 803 16, 874	23, 825 16, 193		32, 368 17, 318	31, 897 16, 945					
Prices: Green salted, packers' heavy						,,,,,	,					
native steers dolls. per lb. Calfskins, country No. 1. dolls. per lb.	. 233 . 218	. 242	. 250 . 250	. 261	. 248	. 155	. 145 . 158	-5.0 -3.0	+71.0 +84.2			
Inspected slaughter of livestock: United States—												il
Cattlethous. of animals_ Calvesthous. of animals_	895 413	881 411	761 376	711 383	666 374	786 397	700 377	-6.7 -2.3	-4.9 8	1, 486 774	1,377 757	-7. 3 -2. 2
Swinethous, of animals_ Sheepthous, of animals_	2, 969 1, 194	3, 688 1, 070	4, 869 1, 094	5, 479 1, 151	5, 780 1, 048	4, 514 1, 115	3, 395 1, 006	+5.5 -8.9	+70.3 +4.2	7, 909 2, 121	11, 259 2, 199	+42.4 +3.7
Canada— Cattle and calvesno. of animals	117, 252	132, 344	79, 399	66, 128	61, 041	69, 456	60, 098	-7.7	+1.6	129, 554	127, 169	-1.8
Swineno. of animals_ Sheepno. of animals_	208, 308 137, 970	248, 367 132, 617	253, 643 42, 951	271, 156 26, 090	247, 966 18, 482	255, 469 29, 923	219, 752 20, 791	-8.6 -29.2	+12.8 -11.1	475, 221 50, 714	519, 122 44, 572	+9.2 -12.7
Leather												
Production: Sole leather_thous. of backs, bends, sides_	1, 325	1, 246	1, 243	³ 1, 223	1, 245	1, 170	1, 221	+1.8	+2.0	2, 391	2, 468	+3.2
Finished sole and beltingthous. of lbs_ Finished upperthous. of sq. ft_	24, 230 70, 081	22, 704 66, 056	23, 034 72, 143	23, 095 71, 415		23, 235 71, 974	23, 944 68, 506					
Oak and union harnessstuffed sides_ Skiversdoz_	90, 707 21, 574	93, 892 20, 124	91, 457 20, 057	79, 438 19, 931	85, 564 20, 225	63, 957 19, 781	63, 724 20, 417	十7.7 十1.5	+34.3 9	127, 681 40, 198	165, 002 40, 156	+29. 2 1
IInfilled orders harness sides	190 201	172, 350	150, 168	119, 896	79, 277	143, 912	126, 087	-33. 9	-37.1			
Stocks in process of tanning: Sole and beltingthous. of lbs. Upperthous. of sq. ft.	79, 600 147, 790	79, 669 148, 978	82, 065 148, 121	85, 396 140, 052		85, 718 158, 946	89,060		¦	 		

³ Revised.

⁵ Quarter ending Sept. 30, 1927.

⁶ Quarter ending Sept. 31, 1927

Quarter ended Dec. 31, 1926.

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		19	28	19	27	CREASE	ENT IN- (+) OR ASE (-)		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu lative 1928 from 1927
HIDES AND LEATHER—Continued												
Leather—Continued												
Stocks, end of month: Sole and beltingthous. of lbs	60, 811	59, 163 250, 364	57, 017 247, 409	54, 828 245, 931		67, 806	66, 340					
Upperthous. of sq. ft	244, 268 800	719	924	1, 265	1, 076	272, 897 712	274, 197 1, 039	-14.9	+3.6	1,751	2, 341	+33.
Upper— Total thous. of sq. ft	12, 177	16, 530	14, 488	15, 532	15, 567	12, 663	11, 636	+.2	+33.8	24, 299	31, 099	+28.
Cattle and calfthous. of sq. ft_ Patentthous. of sq. ft_ Sheepthous. of sq. ft_	7, 634 3, 659 884	11, 093 4, 742 695	9, 975 3, 715 798	10, 614 4, 103 815	10, 750 3, 836 981	8, 875 3, 144 644	8, 882 2, 257 497	+1. 3 -6. 5 +20. 4	+21.0 +70.0 +97.4	17, 757 5, 401 1, 141	21, 364 7, 939 1, 796	+20. +47. +57.
Prices: Sole, oak, scoured backs, heavy, Bostondolls. per lb_ Chrome calf, "B" grades.dolls. per sq. ft_	. 55	. 55 . 51	. 59	. 59 . 54	. 65 . 60	. 43 . 45	. 43 . 45	+10.2 +11.1	+51. 2 +33. 3			
Leather Products												
Shoes: Production thous of pairs Exports thous of pairs Wholesale prices—	32, 267 376	25, 973 433	³ 23, 525 381	25, 723 388	303	24, 993 491	27, 292 397	-20. 9	-23.7	888	691	-22.
Men's black calf blucher, Massdolls. per pair	6. 50	6. 50	6. 50	6. 75	6. 75	6.40	6.40	0	+5.5			
Men's dress welt, tan calf, St. Louisdolls. per pair_ Women's black kid, dress	5. 00	5.00	5.00	5.00	5.00	4.85	4.85	0	+3.1			
welt, lace, oxforddolls. per pair Gloves:	4.00	4.00	4.00	4. 03	4. 15	4.00	4.00	+3.0	+3.8			
Glove leather— Production——thous, of skins— Stocks (tanned)—	987	918	858	777		727	808					
In processthous. of skinsthous. of skinsthous. of skinsthous.	1, 467	1, 434	1, 150	1, 140		1, 913	1, 857					
Gloves, cut—	2, 457 244, 090	2, 481 225, 779	2, 611 182, 810	2, 767 177, 884		2, 672 196, 270	2, 761 197, 987					li
Totaldozen pairs Dress and street— Imported leatherdozen pairs	59, 601	50, 532	41, 150	37, 738		50, 917	58, 681					li
Domestic leatherdozen pairs_ Work glovesdozen pairs_	36, 537 147, 952	33, 635 141, 612	22, 430 119, 230	24, 650		27, 736 117, 617	31, 348 107, 958					
PAPER AND PRINTING												
Wood Pulp Mechanical:												
Productionshort tons_ Consumption and shipmentsshort tons_	121, 051 130, 465	137, 245 143, 220	133, 788 135, 632	141, 137 139, 711	131, 925 135, 975	146, 077 163, 466	125, 740 128, 886	-6.5 -2.7	+4.9 +5.5	271, 817 292, 352	273, 062 275, 686	+0. -5.
Stocks, end of month short tons Imports short tons	147, 160 21, 190	158, 717 28, 308	156, 872 24, 976	158, 868 21, 082	154, 818 21, 151	183, 011 18, 378	180, 100 12, 723	-2.5 +.3	$\begin{array}{c c} -14.0 \\ +66.2 \end{array}$	31, 101	42, 233	+35.
Chemical: Productionshort tons_ Consumption and shipmentsshort tons_	213, 472 213, 524	214, 936 213, 772	210, 388 207, 064			229, 580 229, 382	206, 646 204, 248	+0.3 -0.8	+1.5 +2.0	436, 226 433, 630	418, 828 418, 408	-4. -3.
Stocks, end of monthshort tons_	38, 234 133, 170	41, 552 142, 736	45, 198 152, 764	156, 164	130, 152	38, 730 153, 584	39, 950 89, 662	+5. 2 -16. 7	$+17.8 \\ +45.2$	243, 246	286, 316	+17.
Importsshort tons_ Price, sulphitedolls. per 100 lbs_	2. 53	2. 53	2. 53	2. 53	2. 53	2. 75	2.75	0	-8.0			
Newsprint Paper												
Production: United States, totalshort tons_	113, 126	117, 166	119, 312	119, 525 84	112, 302	135, 395	119, 953	-6.0	-6.4	255, 348	231, 827	-9.
Ratio to capacityper cent_ Canadashort tons_ Consumption by publishersshort tons_	77 191, 171 184, 805	79 190, 293 185, 202	181, 600 182, 027	186, 721 172, 952	189, 822 162, 573	161, 724 168, 241	151, 986 156, 621	+1.7 -6.0	+24.9 +3.8	313, 710 324, 862	376, 543 335, 525	+20. +3.
Shipments: United Statesshort tons	116, 885		123, 883	114, 211	109, 666	130, 973	117, 636	-4.0	-6.8	324, 302	330, 320	7 3.
Canada short tons. Imports short tons. Exports:	188, 769 173, 540	116, 468 187, 766 187, 796	181, 439 180, 467	186, 829 177, 808	188, 163 172, 635	158, 866 166, 102	146, 365 134, 209	+.7 -2.9	+28.6 +28.6	248, 609 305, 231 300, 311	223, 877 374, 992 350, 443	-9. +22. +16.
United Statesshort tons	739 159, 284	847 179, 969	535 169, 202	1,758 157,466	539 183, 414	1, 360 142, 329	874 141, 199	-69.3 +16.5	-38.3 +29.9	2, 234	2, 297	+2.5
Stocks, end of month: At mills—	07.000	00.540	20.000	05.005	00.400	15 000	10.404			283, 528	340, 880	+20.
United Statesshort tons	27, 939 35, 774 214, 872	28, 543 38, 074	20, 877 38, 117	25, 905 37, 731 207, 449	28, 499 39, 145	15, 968 17, 255 232, 944	18, 426 22, 769 224, 572	+10.0 +3.7 +3.7 +3.6	+54.7 +71.9			
At publishersshort tons	45, 789 3. 25	214, 639 46, 176 3. 25	218, 177 46, 708 3. 25	46, 522 3. 25	215, 118 48, 212 3. 25	43, 624 3 3. 25	48, 251 3 3. 25	+3.6 0	-4.2 1			
Printing												
Book publication: American manufactureno. of titles	981	738	720	507		722	660					İ
Importedno. of titles_ Sales books:	143	102	102	118		132	113					
New ordersthous. of books Shipmentsthous. of books	13, 851 12, 898	12, 126 13, 0 86	10, 671 12, 934	12, 329 11, 897	12, 332 11, 722	12, 919 11, 178	11, 632 11, 197	0 -1.5	+6.0 +4.7	24, 551 22, 375	24, 661 23, 619	+.4 +5.0
Printing activity weighted index number Cash checks, shipments thous. of checks	105 71, 625	104 82, 093	105 70, 413	107 43, 173	65, 865	104 73, 841	108 77, 268	+52.6	-14.8	151, 109	109, 038	

Revised.

The cumulatives shown are through Feb-		1927		19	28	19	27		ENT IN- (+) OR ASE (-)	CUMULATIV FROM JATHROUGH	VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
PAPER AND PRINTING—Continued Box Board												
Operation thous of inch hours Operation per ct. of capacity Production short tons New orders Unfilled orders, end of month short tons Consumption of waste paper short tons Shipments short tons Stocks, end of month short tons	8, 902 85. 6 226, 141 221, 548 105, 600 220, 974 228, 222 41, 863	8, 275 82. 8 212, 319 183, 576 76, 471 202, 646 212, 375 41, 317	7, 444 71. 6 186, 920 178, 224 74, 430 177, 329 181, 400 42, 610	7,800 ³ 78.0 ³ 203,146 ³ 203,630 ³ 82,446 ³ 188,521 ³ 196,275 ³ 49,172	8, 076 80. 8 210, 305 215, 259 86, 741 193, 057 210, 053 49, 472	6, 999 70. 0 173, 629 194, 285 105, 669 163, 337 175, 528 53, 562	7, 583 79. 0 189, 273 183, 861 102, 005 182, 322 189, 032 53, 327	+3.5 +3.6 +3.5 +5.7 +5.2 +2.4 +7.0 +.6	+6.5 +2.3 +11.1 +17.1 -15.0 +5.9 +11.1 -7.2	14, 582 362, 902 378, 146 345, 659 364, 560	15, 876 413, 451 418, 889 381, 578 406, 328	+8.9 +13.9 +10.8 +10.4 +11.5
Stocks of waste paper, end of month: On handtons In transit and unshipped purchasestons	128, 443 65, 008	133, 184 52, 161	145, 549 34, 512	\$ 157, 185 62, 791	142, 713 61, 078	163, 023 38, 062	158, 222 40, 602	-9.2 -2.7	-9.8 +50.4			
Other Paper												
Binders' board, productionshort tons Book paper:	2, 537	2, 400	1, 940	2, 547	4, 382	2, 306	2, 730	+72.0	+60.5	5, 036	6, 929	+37.6
Production short tons Ratio to capacity per cent Shipments short tons Stocks, end of month short tons	109, 391 83 110, 813 74, 234	111, 579 85 109, 347 76, 461	110, 463 83 113, 225 73, 403	121, 509 90 123, 332	123, 929 93 121, 832	119, 965 117, 565 64, 847	111, 569 112, 015 64, 199	+2.0 +3.3 -1.2 +5.0	+11. 1 +8. 8 +11. 6	231, 534 229, 580	245, 448 245, 164	+6.0
New orders— Coatedp, ct, of normal production Uncoated_p, ct, of normal production Unfilled orders—	76 85	77 77	82 79	83 87	96 86	87 93	94 97	+15.7 -1.1	+2.1 -11.3	181 190	179 173	-1.1 -8.9
Coatedp. ct. of normal production Uncoated_p. ct. of normal production_ Wrapping paper:	8 9	9 8	8 8	11 9	11 9	7 10	9 11	0	+22. 2 -18. 2			
Production short tons Ratio to capacity per cent Shipments short tons Stocks, end of month short tons	92, 795 87 92, 424	93, 479 82 91, 329	88, 863 78 85, 220	96, 223 91 93, 144 87, 895	93, 518 87 92, 957 88, 258	91, 760	86, 051 85, 449	-2.8 -4.4 -0.2	+8.7 +8.8	177, 811 176, 383	189, 941 186, 101	+6.7 +5.5
Fine paper: Productionshort tons Ratio to capacityper cent	80, 907 38, 814 92	79, 653 36, 665 87	84, 916 38, 136 91	37, 471 93	38, 871 97 38, 327	68, 465 35, 148	66, 916 34, 064	+0.4 +3.7 +4.3	+31.9	69, 212	76, 342 73. 877	+10.3
Shipments short tons Stocks, end of month short tons All other grades: Production short tons	38, 892 50, 903 103, 058	37, 398 50, 173 98, 749	37, 259 51, 044 97, 718	35, 550 52, 410 99, 909	52, 973 97, 412	35, 043 52, 794 100, 755	35, 869 50, 999 93, 572	+7.8 +1.1 -2.5	+6.9	70, 912 194, 327	197, 321	+1.5
Shipments	103, 040 72, 594 683, 325	99, 251 69, 106 669, 957	97, 335 68, 751 641, 414	100, 689 68, 857 677, 783	95, 425 70, 828 676, 347	99, 762 67, 593 656, 652	95, 095 65, 697 634, 482	$ \begin{array}{r} -5.2 \\ +2.9 \\ -0.2 \end{array} $	+0.3 +7.8 +6.6	194, 857 	196, 114 1, 354, 130	+0.6
Ratio to capacity per cent_ Shipments short tons_ Stocks, end of month short tons_	81 666, 168 345, 253	8 79 638, 322 341, 601	3 76 638, 822 341, 601	663, 201 352, 504	668, 270 361, 708	649, 805 323, 229	635, 096 319, 564	0 +0.8 +2.6	+5. 2 +13. 2	1, 284. 901	1, 331, 471	+3.6
Paperboard Shipping Boxes												
Production: Total thous, of sq. ft. Corrugated thous, of sq. ft. Solid fiber thous, of sq. ft.	427, 263 348, 835 78, 428	395, 491 320, 511 74, 980	342, 376 272, 807 69, 569	347, 622 277, 280 70, 342	402, 183 326, 430 75, 753	371, 748 293, 677 78, 071	421, 165 336, 910 84, 255	+15.7 +17.7 +7.7	-4.5 -3.1 -10.1	792, 913 630, 587 162, 326	749, 805 603, 710 146, 095	-5.4 -4.3 -10.0
Operating activity: Totalper cent of normal Corrugatedper cent of normal_ Solid fiberper cent of normal_	85 85 83	77 76 81	66 64 72	69 67 75	77 75 84	71 72 68	81 82 78	+11.6 +11.9 +12.0	-4.9 -8.5 +7.7			
Other Paper Products												
Abrasive paper and cloth: Domestic sales reams Foreign sales reams Labels, orders per ct. of capacity	85, 155 18, 389 98. 2	72, 726 16, 392 54. 4	58, 265 16, 034 78. 1	80, 505 3 17, 112	83, 969 16, 169	76, 717 12, 575 84. 5	83, 229 13, 569 81. 9	+4.3 -5.5	+. 9 +19. 2	159, 946 26, 144	164, 474 33, 281	+2.8 +27.3
BUILDING CONSTRUCTION AND HOUSING												
Rental advertisements: Minneapolis, Minnnumber Real estate conveyances (41 cities)number Building Costs	6, 711 149, 667	4, 290 145, 167	2, 564 143, 731	2, 473 139, 314	2, 465 136, 968	3, 131 135, 935	2, 955 129, 258	3 -1.7	-16.6 +6.0	6, 086 265, 193	4, 938 276, 282	-18.9 +4.2
Building materials: Frame house, 6-room rel. to 1913 Brick house, 6-room rel. to 1913	181 185	180 184	182 187	178 183	182 186	190 190	191 190	+2.2 +1.6	-4.7 -2.1			
Concrete factory costs (Aberthaw) rel. to 1914 Building costs (Engineering News Record) rel. to 1913 Building costs (A. G. C.) rel. to 1913	191 202 201	191 204 200	191 204 199	192 205 199	192 205 199	194 210 197	193 209 199	0	5 -1. 9			
Construction costs (Am. Appraisal): Frame	205 215 196	205 215 196	205 214 197	205 214 196	203 212 197	204 213 198	204 213 197	-1.0 9 +.5	5 5 0			
Reinforced concrete	201 11,821 5,544	7, 451 6, 382	9, 082 4, 406	200 10, 803 4, 412	9, 084 5, 384	200 10, 037 3, 721	8, 799 4, 237	0 -15.9 +22.0	0 +3.2 +27.1	18, 836 7, 958	19, 887 9, 796	+5.6 +23.1
Residential buildings thous, of sq. ft Educational buildings thous, of sq. ft. Other public and semi-public buildings thous of sq. ft.	45, 608 4, 103 6, 393	41, 002 4, 477 6, 014	38, 747 3, 582 4, 381	37, 516 3, 380 3, 955	42, 548 3, 071 4, 855	29, 757 2, 329 3, 266	31, 025 2, 967 4, 760	+13.4 -9.1 +22.8	+37. 1 +3. 5 +2. 0	60, 782 5, 296 8, 026	80, 064 6, 451 8, 810	+31.7 +21.8 +9.8
Grand total thous. of sq. ft Revised.		66, 560	60, 889	60, 271	65, 137	50, 568	52, 348	+8.1	+24.4		125, 408	+21.9

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TREND OF BUSINESS MOVEMENTS—Continued

The cumulatives shown are through February. Earlier data for items shown		1927		15	928	19	27		ENT IN- (+) OR ASE (-)		E TOTAL NUARY 1 I FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) eumu- lative 1928 from 1927
BUILDING CONSTRUCTION AND HOUSING—Continued											i	
Building Costs—Continued												
Contracts awarded, value (36 States): Commercial buildingsthous. of dolls Industrial buildingsthous. of dolls Residential buildingsthous. of dolls Educational buildingsthous. of dolls	77, 726 50, 370 236, 870 29, 699	41, 893 49, 203 207, 308 30, 642	85, 286 27, 938 202, 447 22, 480	65, 981 34, 833 186, 904 22, 854	51, 564 31, 716 232, 574 18, 232	77, 829 27, 134 160, 029 16, 675	65, 937 40, 381 158, 004 21, 842	-21.9 -8.9 +24.4 -20.2	-21.8 -21.5 +47.2 -16.5	143, 766 67, 515 318, 033 38, 517	117, 545 66, 549 419, 478 41, 086	-18. 2 -1. 4 +31. 9 +6. 7
Other public and semi- public buildingsthous. of dolls. Public works and utilities. thous. of dolls. Grand totalthous. of dolls. Contracts awarded, Canadathous. of dolls. Building volume (A. G. C.)rel. to 1913. Fire losses:	48, 555 105, 932 549, 152 47, 135 222	45, 744 68, 716 443, 506 30, 260 215	35, 823 90, 194 464, 167 36, 682 162	30, 055 69, 676 410, 535 20, 480 125	53, 803 56, 134 444, 023 25, 875 124	31, 625 53, 638 368, 930 16, 772 129	45, 765 49, 358 381, 286 19, 517 121	+79.0 -19.4 +8.2 +26.3 8	+17.6 +13.7 +16.5 +32.6 +2.5	77, 390 102, 996 750, 216 36, 289	83, 858 125, 810 854, 558 46, 355	+8.4 +22.2 +13.9 +27.7
United States and Canada (Journal of Commerce) thous. of dolls _ Canada (Monetary Times) _ thous. of dolls _	22, 327 1, 778	18, 992 1, 309	31, 935 1, 947	43, 261 2, 959	41, 105 1, 713	37, 911 2, 378	26, 285 1, 976	-5.0 -42.1	+56.4 -13.3	64, 196 4, 354	84, 366 4, 672	+31.4 +7.3
LUMBER PRODUCTS												
Softwood Lumber	ļ				ļ							
Southern pine: Production (computed)	438, 708	439, 773	419, 297	462, 571 97	468, 965 99	422, 022	403, 807	+1.4 +2.1	+16.1	825, 829	931, 536	+12.8
Operationper cent of capacity_ Shipments (computed)M ft. b. m. New orders (computed)M ft. b. m. Stocks,end of mo.(computed).*M ft. b. m. Unfilled orders,end mo.(comp.)M ft. b. m.	446, 696 453, 811 1, 190, 112	442, 920 436, 385 1, 194, 404	395, 239 398, 192 1, 207, 534	470, 837 523, 508 1, 309, 864	461, 327 475, 145 1, 315, 935	382, 751 426, 558 1, 219, 779	361, 403 402, 162 1, 252, 224	-2.0 -9.2 +.5	+27.6 +18.1 +5.1 +22.3	744, 154 828, 720	932, 164 998, 653	+25.3 +20.5
Exports, lumber	346, 715 48, 637 113 37. 98	305, 164 43, 550 183 36, 42	287, 741 52, 930 308 35, 54	385, 054 66, 332 870 35, 26	396, 667 47, 011 366 36. 12	299, 314 64, 492 261 40. 81	324, 423 46, 648 1, 071 40. 04	+3.0 -29.1 -57.9 +2.4	+22.3 +.8 -65.8 -9.8	111, 140 1, 332	113, 343 1, 236	+2.0 -7.2
Douglas fir: Production (computed)	538, 968 491, 070 464, 211	497, 337 411, 389 452, 124	437, 352 386, 768 397, 511	410, 493 397, 571 444, 514	507, 633 479, 879 541, 206	410, 045 411, 836 458, 839	510, 766 485, 698 516, 138	+23.7 +20.7 +21.8	6 -1.2 +4.9	920, 811 897, 534 974, 977	918, 126 877, 450 985, 720	3 -2.2 +1.1
Exports, lumber	56, 204 15, 498 15. 17	61, 999 47, 711 15, 48	51, 072 46, 492 14. 80	85, 299 2, 280 15. 23	45, 346 44, 226 15. 99	48, 025 26, 449 16, 43	53, 944 22, 994 17. 19	+5.0	-15.9 +92.3 -7.0	101, 969 49, 443	130, 645 46, 506	+28. 1 -5. 9
better, V. G	35. 47 43, 142	35, 08 52, 925	34. 50 36, 029	34. 04 39, 454	34. 04 43, 276	36.06	35. 92	0	-5.2	04 010		
Production (computed) M ft. b. m. Shipments (computed) M ft. b. m. New orders (computed) M ft. b. m. Unfilled orders, end mo. (comp.) *M ft. b. m.	42, 676 36, 492 45, 430	40, 578 41, 376 45, 962	26, 882 23, 398 41, 518	30, 201 38, 763 44, 948	38, 700 37, 299 42, 795	32, 099 35, 851 42, 600 67, 440	32, 511 37, 061 40, 121 60, 007	+9.7 +28.1 -3.8 -4.8	+33.1 +4.4 -7.0 -28.7	64, 610 72, 912 82, 721	82, 730 68, 901 76, 062	+28.0 -5.5 -8.0
California white pine: M ft. b. m. Production	122, 029 123, 538 623, 671	92, 762 92, 568 624, 651	72, 552 82, 087 667, 618	51, 187 90, 891 609, 181	51, 452 97, 412 566, 957	55, 821 75, 706 591, 017	44, 247 73, 874 560, 748	+0.5 +7.2 -6.9	+16.3 +31.9 +1.1	100, 068 149, 580	102, 639 188, 303	+2.6 +25.9
Western pine: Production (computed) M ft. b. m Shipments (computed) M ft. b. m Stocks, end of mo. (computed) M ft. b. m North Carolina pine:	134, 691 153, 019 1, 069, 825	118, 704 124, 083 1, 068, 630	77, 348 99, 454 1, 039, 389			69, 113 114, 579 1, 069, 835	80, 234 117, 193 1, 036, 454					
Production (computed)	57, 295 56, 133	53, 522 50, 813	48, 139 47, 845	40, 019 37, 030	51, 317 46, 746	47, 712 47, 054	55, 013 57, 967	+28. 2 +26. 2	-6. 7 -19. 4	102, 725 105, 021	91, 336 83, 776	-11. 1 -20. 2
Production M ft. b. m. Shipments M ft. b. m. New orders M ft. b. m. Lath—	41, 148 39, 175 33, 698	32, 815 32, 857 27, 569	24, 300 24, 680 22, 156	33, 550 29, 451 32, 703	34, 514 35, 413 36, 520	32, 493 30, 557 29, 184	35, 127 33, 603 32, 393	+2.9 +20.2 +11.7	-1.7 +5.4 +12.7	67, 620 64, 160 61, 577	68, 064 64, 864 69, 228	+.7 +1.1 +12.4
Production thousands Shipments thousands Northern hamlock	9, 034 7, 941	6, 144 5, 377	4, 472 3, 994	7, 315 5, 300	5, 726 5, 609	7, 251 6, 261	7, 338 7, 795	-21. 7 +5. 8	-22. 0 -28. 0	14, 589 14, 056	13, 041 10, 909	-10.6 -22.4
Production M ft b. m. Shipments M ft, b. m.	9, 188 17, 914	11, 026 14, 261	13, 949 10, 014	11, 425 7, 485		19, 811 14, 474	21, 854 15, 773					
Hardwood Lumber							<u> </u>					1
Walnut lumber: M ft. b. m. Production	2, 921 2, 967 11, 739	3, 234 2, 824 12, 149	3, 376 2, 548 13, 037	3, 063 2, 687 13, 264	2, 585 2, 762 13, 179	2, 417 2, 809 11, 810	2, 606 3, 303 11, 103	-15.6 +2.8 6	8 -16.4 +18.7	5, 023 6, 112	5, 648 5, 449	+12.4 -10.8
New orders	2, 335 6, 982	3, 127 6, 282	2, 158 5, 395	2, 628 5, 389	2, 807 5, 491	3, 621 7, 591	2, 564 7, 574	+6.8 +1.9	+9.5 -27.5	6, 185	5, 435	-12. 1
Walnut logs: Purchased	2, 549	3, 515	2,709	2, 255	2, 131	2, 441	2, 117	-5.5	+.7	4, 558	4, 386	-3.8
veneerM ft. log measure_ Stocks, end of monthM ft. log measure_	2,814 3,166	3, 035 3, 646	2, 656 3, 615	2, 416 3, 041	2, 014 3, 229	2, 088 2, 260	2, 361 1, 927	-16.6 +6.2	-14.7 +67.6	4, 449	4, 430	4
Northern hardwoods: Production	15, 488 27, 623	15, 469 24, 556	20, 707 19, 269	37, 543 24, 164		38, 053 25, 178	40, 162 28, 472					
Production M ft. b. m. Shipments M ft. b. m. Stocks, end of month M ft. b. m.	5, 388 7, 348 33, 532	5, 124 6, 344 21, 350	4, 996 5, 895 30, 902	7, 934 8, 147 30, 821		9, 135 8, 024 40, 804	8, 008 7, 546 37, 409					
* See p. 22 of this issue for previous data.	. ,	,	,	, -					-			

^{*} See p. 22 of this issue for previous data.

The cumulatives shown are through Feb- ruary. Earlier data for items shown	,	1927		19	28	19	27	PER CE CREASE DECREA	(+) OR		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
LUMBER PRODUCTS—Continued												
Hardwood Lumber—Continued		ļ		! !								
All hardwoods: Total stocks, end of month— Total hardwoods	873, 696 237, 395 318, 944	889, 772 241, 868 321, 900	930, 398 263, 649 331, 362	1, 021, 295 297, 464 360, 590	1, 145, 176 334, 702 408, 852	898, 606 238, 364 304, 723	862, 624 228, 621 304, 766	+12.1 +12.5 +13.4	+32.8 +46.4 +34.2			
Unsold stocks—	697, 288 180, 899 259, 794	705, 678 184, 015 259, 053	740, 914 197, 437 272, 0 82	805, 780 219, 301 296, 720	912, 816 254, 192 337, 262	698, 475 168, 645 252, 811	663, 146 162, 053 242, 949	+13.3 +15.9 +13.7	+37.6 +56.9 +38.8			II
Total hardwoods. M ft. b. m. Gum. M ft. b. m. Oak. M ft. b. m. Production (computed). M ft. b. m. Shipments (computed). M ft. b. m. New orders (computed). M ft. b. m.	204, 701 68, 494 65, 499 93, 000 83, 000	214, 616 70, 282 68, 699 87, 000 77, 000	225, 388 83, 126 65, 343 75, 000 69, 000		281, 196 103, 092 78, 296	232, 338 83, 627 59, 143 84, 000 84, 000	230, 731 79, 605 68, 816 84, 000 94, 000	+9.6 +2.5 +12.8	+13. 8			
New orders (computed) M ft. b. m Total Lumber	87, 000	79, 000	76, 000			90,000	100,000					
Production, 10 species	2, 374, 882 171, 074	2, 358, 209 167, 986	2, 085, 371 168, 289	³ 2,117,162 239, 145	³ 2,374,230 158, 909	2, 098, 788 178, 697	2, 216, 344 153, 607	+12.1 -33.6	+7.1 +3.5	4, 315, 132 332, 304	4, 491, 392 398, 054	+4. 1 +19. 8
Sales M ft. b. m. Stocks, end of month M ft. b. m. Composite lumber prices:	16, 247 80, 397	12, 554 74, 658	4,742 80,690	3 5, 042 3 88, 976	4, 535 94, 155	4, 762 90, 307	³ 4, 380 ³ 94, 357	-10.1 +5.8	+3.5	9, 142	9, 577	+4.8
Hardwooddolls. per M ft. b. m Softwoodsdolls. per M ft. b. m	40.02 31.77	39. 04 28. 29	39. 74 26. 84	40. 42 27. 37	40. 47 27. 50	41. 11 29. 74	41. 08 21. 76	+.1 +.5	$-1.5 \\ +26.4$			
Flooring Maple flooring:	10, 558 8, 124 26, 837 7, 493	8, 073 7, 238 27, 610 6, 233	7, 820 6, 797 29, 527 6, 883	7, 346 7, 252 28, 721 8, 161	7, 519 6, 889 29, 118 7, 712	9, 842 7, 880 29, 034 6, 587	8, 888 8, 085 29, 710 6, 405	+2.4 -5.0 +1.4 -5.5	-15.4 -14.8 -2.0 +20.4	18, 730 15, 965	14, 865 14, 141 15, 873	-20.6 -11.4
New orders. M ft. b. m. Unfilled orders, end of month. M ft. b. m. Oak flooring: Production. M ft. b. m. Shipments. M ft. b. m. Stocks, end of month. M ft. b. m.	1	6, 233 7, 843 33, 389 30, 998	6, 883 8, 736 32, 113 29, 266	9, 154 35, 947 38, 080	10, 034 38, 771 40, 232	6, 224 35, 215 31, 929	6, 847 35, 601 34, 925	+9.6 +7.9 +5.7	+46.5 +8.9 +15.2	70, 816 66, 854	74, 718 78, 312	+5. 8 +17. 1
Unfilled orders, end of monthM ft. b. m	35,716	69, 449 31, 425 24, 080	29, 266 74, 773 34, 715 27, 887	82, 239 53, 888 45, 925	82, 758 36, 163 42, 975	70, 629 37, 497 41, 061	70, 090 39, 133 45, 275	+. 6 -32. 9 -6. 4	+18. 1 -7. 6 -5. 1	76, 630	90, 051	+17.8
Wooden Furniture Grand Rapids district:												
Unfilled orders, end of month	41 24 30	45 35 28	29 13 23	44 40 23	42 23 25	57 46 25	49 39 25	-4.5 -42.5 +8.7	-14.3 -41.0			 -
month	58 11. 0 100. 0	59 13. 0 99. 0	55 32. 0 99. 0	55 7. 0 95. 0	54 13. 0 94. 0	52 6. 0 98. 0	55 14. 0 100. 0	$ \begin{array}{c c} -1.8 \\ +85.7 \\ -1.1 \end{array} $	-1.8 -7.1 -6.0			11
New orders (av. per firm)dollars Unfilled orders, end of month	14, 395	12, 291	7, 784	7,043		8, 427	8, 580				1	
(av. per firm)dollars Shipments.— Value (av. per firm)dollars Quantity (total)pieces	5, 331 12, 935 17, 401	4, 883 12, 667 16, 661	1, 803 10, 338 13, 072	2,851 5,918 7,617		3, 490 7, 259 9, 347	2, 921 8, 255 10, 601					
Plywood and Veneer												
New ordersthous. of sq. ft. of surface Shipmentsthous. of sq. ft. of surface Unfilled orders, end of	2,773 3,516	2, 245 3, 424	2, 114 3, 219	2, 469 2, 575		3, 219 3, 348	3, 711 2, 991					
month thous. of sq. ft. of surface. Rotary-cut veneer: Receipts number of carloads Purchases number of carloads.	3, 502 101 79	2, 765 102 96	2,719 94 86	2,863 80 132	97 115	3, 591 116 59	3, 587 70 72	+21.3 -12.9	+38. 6 +59. 7	186 131	177 247	-4. 8 +88. 8
Barrel Headings Circled headings for wooden barrels: Production (rough) sets. Shipments (finished) sets. New orders (finished) sets. Unfilled orders, end of month sets.	831, 402 746, 657	753, 053 871, 742 226, 918 1, 064, 723	585, 774 619, 607 698, 474 1, 079, 508	353, 674 407, 094 456, 145 1, 037, 375	496, 759 474, 116 442, 426 1, 428, 571	508, 827 617, 160 568, 835 1, 993, 216	739, 936 782, 564 523, 066 1, 812, 076	+40. 5 +16. 5 -3. 0 +37. 7	-32.9 -39.4 -15.4 -21.2	1, 248, 763 1, 399, 724 1, 091, 901	850, 433 881, 210 898, 571	-31. 9 -37. 0 -17. 7
Stocks on hand, end of monthsets	3, 396, 865	3, 203, 704	3, 205, 147	3, 341, 371	3, 500, 000	2, 924, 016	3, 035, 957	+37.7	-21.2 + 15.3			
STONE, CLAY, AND GLASS PRODUCTS Clay Products Food bright a varyages par plant:												
Face brick, averages per plant: Production thousands. Shipments thousands. Stocks, end of month thousands. Unfilled orders, end of month thousands. Common brick:	809 724 2, 679 801	723 622 2, 777 783	626 368 2, 832 730	482 402 2, 958 761	526 447 3,037 844	489 282 2, 409 727	560 421 2, 767 871	+9.1 +11.2 +2.7 +10.9	-6.1 +6.2 +9.8 -3.1	1, 049 703	1,008 849	-3. 9 +20. 8
Stocks, end of month— Burned thousands Unburned thousands Shipments thousands Unburned thousands	214, 169	538, 698 91, 424 187, 448	504, 836 76, 601 168, 282	517, 897 68, 611 131, 338		462, 565 58, 331 93, 806	487, 217 62, 455 115, 013					
Unfilled orders, end of month_thousands_ Plants closed downnumber_ Price, red, New Yorkdolls. per thous_ ³ Revised.	71	211, 961 70 11. 75	224, 825 77 11. 25	219, 233 91 12, 75	13. 50	324, 837 68 17. 00	335, 223 78 17. 00					

The cumulatives shown are through Feb-		1927		19	28	19	27		ENT IN- (+) OR ASE (-)		E TOTAL NUARY 1 I FEBRU-	Per ct. in- crease (+) or de-
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
STONE, CLAY, AND GLASS PRODUCTS—Continued												
Clay Products—Continued												
Porcelain plumbing fixtures: Net new orderspieces. Shipmentspieces. Unfilled orders, end of monthpieces.	14, 065 19, 582 29, 455	14, 939 16, 251 28, 143	6, 024 12, 242 21, 925	13, 953 13, 239 22, 639								
Stocks, finished glost, end mopieces Vitreous china plumbing fixtures:	29, 044	29, 998	33, 353	33, 552								
New orders pieces. Shipments pieces. Unfilled orders, end of month pieces. Stocks, end of month pieces.	227, 896 245, 725 307, 240 500, 868	3 167, 993 3 180, 498 3 294, 73 4 3 527, 920	3 227, 351 3 189, 502 3 332, 584 3 557, 293	3 237, 829 3 240, 931 3 329, 482 3 544, 461	493, 898 245, 858 577, 522 538, 965	200, 988 281, 896 497, 700 558, 121	145, 081 265, 611 377, 170 544, 631	+107.7 $+2.0$ $+75.3$ -1.0	+240. 2 -7. 4 +53. 1 -1. 0	346, 069 547, 507	486, 789	+111.4
Floor and wall tile: Productionthous. of sq. ft Shipments, quantitythous. of sq. ft	5, 877 5, 242	5, 018 4, 321	4, 511 3, 641			5, 514 4, 331	5, 129 4, 351					
Shipments, value thous of dolls Stocks, end of month thous of sq. ft. Terra cotta, new orders:	1, 975 11, 991	1, 638 12, 687	1, 550 13, 175			1, 648 10, 010	1, 658 11, 032					
Terra cotta, new orders: Quantitynet tons Valuethous. of dolls	11, 907 1, 049	11, 134 1, 008	9, 898 836	10, 850 949	10, 284 1, 040	9, 851 1, 138	7, 993 887	-5.2 +9.6	+28. 7 +17. 2	17, 844 2, 02 5	21, 134 1, 989	+18.4 -1.8
and lime brick:	18,928	18, 086	13, 912	³ 12, 789	10, 921	8,307	9, 577	-14.6	+14.0	17, 884	23, 710	+32.6
Production thousands. Shipments by rail thousands. Shipments by trucks thousands. Stocks, end of month thousands. Unfilled orders, end of month thousands.	5, 134 13, 623 14, 423 15, 318	6, 558 11, 833 13, 468 14, 845	4, 189 8, 694 18, 538 14, 772	3 4, 945 3 7, 024 3 15, 867 3 14, 830	3, 738 6, 204 16, 920 12, 625	3, 824 5, 378 16, 455 17, 908	5, 185 6, 418 13, 215 12, 580	$ \begin{array}{r r} -24.4 \\ -11.7 \\ +6.6 \\ -14.9 \end{array} $	$ \begin{array}{r} -27.9 \\ -3.3 \\ +28.0 \\ +.4 \end{array} $	9,009 11,796	8, 683 13, 228	-3.6 +12.1
Portland Cement								1				
Production thous of bbls. Shipments thous of bbls. stocks, end of month thous of bbls. stocks, clinkers, end of month* thous of bbls. Wholesale price, composite dolls. per bbl.	17, 174 18, 105 13, 141 5, 960	14, 449 11, 619 16, 022 6, 374	11, 999 6, 200 21, 821 7, 599	³ 9, 766 ³ 6, 540 ³ 25, 175 9, 629	8, 785 6, 559 27, 339 12, 232	8, 258 5, 968 22, 914 9, 989	7, 377 6, 731 23, 563 11, 943	-10.0 +.3 +8.6 +27.0	+19.1 -2.6 +16.0 +2.4	15, 635 12, 699		+18. 7 +3. 1
	1. 683	1. 683	1.683	1. 683	1, 683	1, 713	1, 683	0	0			
Highways												
Concrete pavements, new contracts: Totalthous, of sq. yds Roadsthous, of sq. yds Federal-aid highways: Completed—	9, 800 5, 527	7, 984 5, 102	6, 542 4, 657	5, 902 4, 103	7, 464 5, 615	4, 236 2, 656	4, 391 2, 336	+26. 5 +36. 9	+70.0 +140.4	8, 627 4, 992	13, 366 9, 718	+54.9 +94.7
Cost thous. of dolls. Distance miles. Under construction, end of month miles.	29, 206 1, 151 9, 466	29, 712 1, 104 8, 879	17, 886 758 8, 517	10, 728 458 8, 480	8, 209 340 8, 267	8, 115 508 9, 839	5, 385 491 9, 599	-23. 5 -25. 8 -2. 5	+52.4 -30.8 -13.9	13, 500 999 19, 438	18, 937 798 16, 747	+40.3 -20.1 -13.8
Plate Glass												
Production, polishedthous. of sq. ft	8, 703	8, 573	7, 446	8, 205	10, 093	8, 484	9,790	+23.0	+3.1	18, 274	18, 298	+.1
Glass Containers												
Actual production: Quantity	9,001	2, 045 68. 5 2, 574 1, 928 9, 043 6, 049	2, 224 74. 6 2, 474 1, 724 9, 616 6, 551	2, 207 76. 9 2, 680 1, 958 10, 140 6, 327	2, 085 72. 7 2, 577 2, 113 10, 633 6, 370	2, 032 71. 3 2, 725 1, 803 10, 274 6, 541	1, 942 70. 8 2, 838 1, 867 11, 219 6, 646	-5.5 -5.5 -3.8 +7.9 +4.9 +.7	+7.4 +2.7 -9.2 +13.2 -5.2 -4.2	3, 974 5, 563 3, 670	4, 292 5, 257 4, 071	+8.0 -5.8 +10.9
Illuminating Glassware												
Production: Totalnumber of turns_ Ratio to capacityper ct. of capacity_ New ordersper ct. of capacity_ Shipmentsper ct. of capacity_	3, 814 50. 6 44. 0 45. 2	3, 454 47. 8 40. 2 40. 7	2, 353 33. 2 32. 9 36. 7	³ 2, 685 34. 8 39. 7 36. 5	2, 936 40. 6 38. 1 36. 9	2, 948 35. 6 35. 5 40. 5	2, 620 37. 2 48. 2 40. 7	+9.3 +16.7 -4.0 +1.1	+12.1 +9.1 -21.0 -9.3	5, 568		
Unfilled orders, end mo_no. of weeks' supply Stocks, end of monthno. of weeks' supply	1. 4 3. 8	1.3 4.1	1.0 4.0	1.2 4.2	1.4 4.3	. 6 3. 7	1. 1 3. 6	+16.7 +2.4	+27.3			
CHEMICALS AND OILS												
Chemicals]]
Sulphuric acid: Exportsthous, of lbs Price, wholesaledolls, per 100 lbs	474 . 75	417 . 76	541 , 78	560 . 78	580 . 78	519 . 75	867 . 75	+3.6 0	-33.1 +4.0	1, 386	1, 140	-17.
Nitrate of soda: Importslong tons_ Production in Chile—	55, 154	67, 091	66, 546	69, 867	144, 716	47, 240	33, 578	+107.1	+331.0	80, 818	214, 583	+165.
Quantitymetric tons Units reportingnumber of plants	189, 200 46	210, 000 56	233, 849 62	242, 800 62	236, 600 63	79, 151 25	74, 253 28	-2.6 +1.6		153, 404	479, 400	+212.
Potash, importslong tons	27, 884	17, 039	16, 227	31, 646	33,774	30, 189	18, 394	+6.7	+83.6	48, 583	65, 420	+34.
Production short tons Stocks, end of month short tons Shipments short tons	340, 411 1, 580, 756 109, 447	342, 400 1, 806, 877 75, 260	3 350, 587 1, 995, 954 3 79, 885	358, 008 2, 196, 707 101, 540		\$ 275, 908 \$2,190,543 \$ 78, 712	276, 221 2, 179, 513 53, 924					
Fertilizer: Exportslong tons Consumption in Southern	96, 672	95, 605	80, 319	87, 632	74, 955	67, 678	111, 190	-14.5	-32 . 6	178, 868	162, 587	-9.
Statesshort tons_	1 2 1, 075	87, 965	157, 858		1, 113, 569	3 526, 771		+84.6		1, 363, 381	1, 716, 912	+25.
Vegetable thous, of lbs_Coal tar_thous. of lbs_	359 1,838	377 1, 920	422 2, 222	239 1, 715	276 2,848	227 1,865	253 2,951	+15. 5 +66. 1		480 4, 816	516 4, 563	+7. -5.

Revised.

^{*} See p. 21 of the March, 1928, issue for earlier data.

The cumulatives shown are through Feb-		1927		19	28	19	27	CREASE	ENT IN- (十) OR ASE (一)		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
CHEMICALS AND OILS—Continued												
Arsenic Crude:												i.
Productionshort tons Stocks, end of monthshort tons Refined:	1, 004 1, 2 60	1, 269 1, 326	1, 125 1, 375	1, 158 1, 407		1,414 2,725	1, 147 2, 387	li .	1			
Production short tons Stocks, end of month short tons.	937 2,321	822 2, 255	782 2, 101	827 2,496		913 1, 983	810 2, 251					
Price index numbers: Crude drugsrel. to Aug., 1914 Essential oilsrel. to Aug., 1914	207 123	206 126	201 128	208 130	209 157	203 126	204 125	+. 5 +20. 8	+2.5 +25.6			
Drugs and pharmaceuticalsrel. to Aug., 1914 Chemicalsrel. to 1913-14 Oils and fatsrel. to 1913-14.	160 112	169 112 133	169 112 128	169 112 130	169 112 3 122	155 114 128	155 113 137	0 0 -6, 2	+9.0			
Wood Chemicals												
Acetate of lime: Production— Production— Canada thous. of lbs. Canada thous. of lbs.	13, 912 1, 091	13, 519 1, 105	3 12, 802 1, 186	³ 12, 396 1, 109	11,757 1,091	14, 181 1, 200	12, 667 1, 046	-5.2 -1.6	-7.2 +4.3	26, 848 2, 246	24, 153 2, 210	-10. -1.
Shipments— United States————thous. of lbs— Canada————thous. of lbs—	16, 959 1, 462	13, 611 808	³ 12, 344 395	³ 11, 038 ³ 831	9,608 507	10, 067 509	10, 184 171	-13. 0 -39. 0	-5.7 +196.5	20, 251 680	20, 646 1, 338	-7. +96.
Canadathous. of lbs. Stocks, end of month— United Statesthous. of lbs. Canadathous. of lbs. Exportsthous. of lbs.	3 16, 409 1, 283 915	3 16, 133 1, 560 676	3 16, 110 2, 462 2, 078	3 17, 316 2, 840 1, 630	19, 656 3, 459 1, 760	19, 910 2, 187 1, 630	22, 422 2, 988 500	+13. 5 +21. 8 +8. 0	-12.3 +15.8 +252.0	2, 130	3, 390	+59.
Price, wholesaledolls. per cwt Methanol, crude: Production—	3. 50	3. 50	3. 50	3. 50	3. 50	3. 50	3. 50	0	0			
United States gallons.	643, 491 48, 179	662, 505 47, 750	³ 638, 068 49, 107	³ 643, 676 47, 234	597, 215 45, 659	805, 473 49, 885	680, 583 46, 141	-7. 2 -3. 3	-12.2 -1.3	1, 486, 056 96, 026	1, 240, 891 92, 893	-16. -3.
Stocks at crude plants, end of month— United States———————————————————————————————————	375, 965 39, 414	365, 584 33, 414	3 354, 920 50, 299	3 350, 798 39, 249	374, 324 46, 158	397, 999 48, 446	340, 847 45, 984	+6.7 +17.6	+9.8 +.4			
Stocks at refineries and in transit— United Statesgallonsgallons	1, 181, 225 27, 995	1, 407, 745 31, 987	1, 165, 544 43, 458	1, 126, 152 56, 104	1, 132, 377 55, 298	341, 444 15, 913	613, 939 19, 657	+.6 -1.4	+84. 4 +181. 3			
Exports. gallons. Wood at chemical plants: Consumption— United States cords	57, 983 73, 219	48, 624 70, 855	39, 369 8 67, 291	33, 384 3 67, 909	42, 871 64, 460	11, 012 80, 233	16, 226 68, 972	+28. 4 -5. 1	+164. 2 -6. 5	27, 238 149, 205	1 32, 3 69	+180. -11.
Canadacords. Stocks, end of month— United Statescords.	5, 121 595, 591	5, 937 589, 605	5, 700 3 560, 500	5, 858 3 555, 768	5, 640 556, 735	6,096 500,818	5, 306 473, 346	-3.7 ⊥ 2	+6.3	11,402	11, 499	 +.
Canadacords. Daily capacity— Totalcords. Shutdowncords.	74, 942 3, 339 145	71, 695 3, 323 145	75, 124 3, 329 3 226	74, 440 3, 293 3 249	74, 734 3, 323 261	34, 872 3, 553 155	32, 539 3, 555 155	+.2 +.4 +.9 +4.8	+129. 7 -6. 5 +68. 4			
Methanol, refined: Production— United States————gallons—	688, 435	529, 552	470, 969	496, 073	390, 099	480, 448	305, 479	-21. 4	1 1 27 7	785, 927	886, 172	+12.
Canada gallons Stocks, end of month—	6,700	38, 600	41, 000	38, 700	44, 850	35, 290	37, 070	+16.0	+27. 7 +21. 0	72, 360	83, 550	+15.
United States gallons. Canada gallons. Shipments—	396, 137 26, 443	452, 246 32, 854	419, 812 3 34, 752	455, 316 29, 198	467, 723 33, 044	436, 656 58, 596	426, 736 64, 719	+2.7 +13.2	+9.6 -48.9			
United Statesgallons. Canadagallons. Price, wholesale, N. Ydolls. per gal.	698, 476 38, 569 . 53	³ 626, 643 28, 629 . 48	506, 310 16, 937 . 48	482,666 17,775 .48	407, 351 35, 986 . 45	374, 530 26, 037 . 83	337, 428 30, 516 . 83	$-15.6 \\ +102.5 \\ -6.2$	+20.7 +17.9 -45.8	711, 958 56, 553	890, 017 53, 761	+25. -4.
Ethyl Alcohol Production	16, 584	18, 051	19, 502	13, 050	11, 220	13, 235	10, 324	-14.0	+8.7 -1.0	23, 559	24, 270	+3.
Withdrawn for denaturizationthous. of gals Warehouse stocks, end of month.thous. of gals	16, 584 17, 759 7, 931	17, 329 8, 211	18, 760 8, 158	10, 098 9, 463	9, 061 10, 120	8, 907 3, 563	9, 152 9, 842	$\begin{array}{c c} -10.3 \\ +6.9 \end{array}$	-1.0 +2.8	18, 059	19, 159	+6.
Explosives (Black powder permissible and other high												
(Black powder, permissible, and other high explosives) Productionthous. of lbs	38, 918	34, 695	29, 490	29, 607	31,895	33, 847	35, 383	+7.7	-9.9	69, 230	61, 502	-11.
Shipments thous of lbs New orders thous of lbs Stocks, end of month thous of lbs	38, 261 36, 747 17, 807	34, 645 32, 111 17, 847	27, 839 27, 398 19, 196	31, 332 29, 879 17, 973	31, 035 29, 203 18, 447	33, 726 33, 616 17, 303	33, 578 31, 102 19, 145	$ \begin{array}{c c} -0.9 \\ -2.3 \\ +2.6 \end{array} $	-7.6 -6.1 -3.6	67, 304 64, 718	62, 367 59, 082	-7. -8.
Naval Stores												
Turpentine (gum): Net receipts, southern portsbarrels. Stocks at ports, end of monthbarrels. Price, southern, in barrels, New Yorkdolls. per gal.	39, 115 80, 473	35, 795 77, 676	28, 154 81, 939	7, 764 72, 035	4, 568 61, 906	7, 386 48, 993	5, 138 40, 047	-41. 2 -14. 1	-11. 1 +54. 6 -20. 0	12, 524	12,332	-1.
Rosin (gum): Net receipts, southern portsbarrels	132, 059	. 51 144, 892	115, 397	41, 160	30, 549	39, 136	27, 214	-25.8	+12.3	66, 350	71, 709	+8.
Stocks at 3 ports, end of monthbarrels Price, common to good (B), New Yorkdolls. per bbl	222, 167	247, 954 8. 55	248, 755 8, 70	200, 262 9. 54	159, 053 8. 94	160, 120 12. 38	147, 635 11. 71	-20. 6 -6. 3	+7.7 -23.7			
Rosin (wood): Productionbarrels. Stocks, end of monthbarrels.	35, 963	35, 187 87, 179	28, 483 85, 553	29, 200 85, 413	32, 792 90, 429	35, 168	32, 043	+12.3	+2.3	67, 211	61, 992	-7.
Revised.	02,717	01,179	. 50, 553	50, 413	50,429	oo, 513	40, 124	7-0.9	T 100. 4	·		

The cumulatives shown are through February. Earlier data for items shown		1927		18	928	19	927	CREASE	ENT IN- (+) OR ASE (-)	FROM J	VE TOTAL ANUARY 1 H FEBRU-	Per ct in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
CHEMICALS AND OILS—Continued												
Naval Stores—Continued												
Turpentine (wood): Production barrels Stocks, end of month barrels Pine oil:	6, 901 12, 163	6, 820 13, 385	5, 291 12, 869	5, 771 10, 631	5, 645 10, 477	7, 053 5, 531	6, 587 7, 314	-2. 2 -1. 4	$-14.3 \\ +43.2$	13, 640	11, 416	-16. 3
Production gallons Stocks, end of month gallons	237, 625 588, 778	235, 695 561, 363	192, 141 588, 571	198, 646 605, 771	237, 953 641, 354	241, 563 305, 151	207, 197 313, 457	+19.8 +5.9	+14.8 +104.6	448, 760	436, 599	-2.7
Roofing Roofing felt:									į			
Production, dry felttons_ Stocks, end of month, dry felttons_	27, 512 3, 748	25, 680 3, 810	25, 853 3, 118	21, 743 3, 088	19, 098 3, 558	19, 266 3, 628	19, 669 4, 045	-12.2 + 15.2	-2.9 -12.0	38, 935	40, 841	+4.9
Prepared roofing: Shipmentsthous. of roof squares	3, 218	3, 280	3, 386	1, 587		1, 405	1, 691					
Fats and Oils												
Total vegetable oils and copra: Exportsthous. of lbs	5, 307	6, 484	8, 481	9, 405	8, 939	6, 967	8, 435	-5.0	+6.0	15, 402	18, 344	+19.1
Exports. thous of lbs. Imports. thous of lbs. Copra, imports. short tons. Copra or coconut oil:	55, 387 15, 660	68, 589 23, 422	60, 010 29, 582	59, 870 26, 872	49, 811 5, 178	51, 953 19, 681	38, 212 12, 520	-16. 8 -80. 7	+30. 4 -58. 6	90, 165 32, 201	109, 681 32, 050	+21. 6 5
Imports	22, 702	30, 095	29, 339	32, 751	22, 271	31, 588	16, 153	-32.0	+37.9	47, 741	55, 022	+15.3
oleomargarinethous. of lbs.	12, 286	12, 373	13, 549	13, 191	14, 009	9, 837	3 9, 680	+6.2	+44.7	19, 517	27, 200	+39. 4
Production thous of lbs_Consumption thous of lbs_Animal glues, shipments thous of lbs_	26, 041 26, 823 7, 113	25, 913 26, 256 6, 061	27, 461 26, 717 6, 100	26, 205 27, 729	27, 624 26, 327	22, 748 21, 859 6, 731	22, 345 20, 356 6, 724	+5. 4 -5. 1	+23.6 +29.3	45, 093 42, 215	53, 829 54, 056	+19.4 +28.1
Cottonseed	ĺ	ŕ										
Cottonseed: Receipts at millsshort tons. Consumption (crush)short tons. Stocks at mills, end of monthshort tons.	1, 282, 625 876, 630	848, 706 782, 681	483, 281 605, 206	339, 212 570, 408	177, 229 450, 627	581, 856 849, 721.	473, 340 686, 786	-47.8 -21.0	-62. 6 -34. 4	1, 055, 196 1, 536, 507	516, 441 1, 021, 035	-51, 1 -33, 5
Cottonseed oil crude:	1, 050, 949 272, 547	1, 113, 974 247, 523	992, 049 192, 057	763, 353 181, 022	489, 955 144, 658	1, 035, 766 250, 386	818, 715 205, 051	-35. 8 -20. 1	-40. 2 -29. 5	455, 437	325, 680	-28. 5
Production thous. of lbs. Stocks, end of month thous. of lbs. Cottonseed oil, refined: Production thous. of lbs.	146, 567 194, 676	165, 069 205, 888	157, 578 176, 051	168, 519 143, 378	159, 302 138, 231	175, 190 205, 929	155, 430 201, 217	-5. 5 -3. 6	+2.5	407, 146	281, 609	-30.8
Stocks, end of monththous. of ibs	310, 330	415, 833	502, 901	538, 257	566, 832	395, 022	460, 491	+5.3	+23.1	407, 140	281,009	-30.8
New York dolls. per lb. Consumption in	. 109	. 106	. 100	. 101	.093	.085	.091	-7.9	+2.2	4.010		
oleomargarinethous. of lbs_ Cottonseed cake and meal: Productionshort tons_	2, 228 391, 037	2, 260 344, 591	2, 154 268, 757	2, 162 259, 275	2, 114	2, 013 377, 425	2,006 310,075	-22.0	-34.8	4, 019 687, 500	461, 539	-32.9
Production short tons Stocks, end of month short tons Exports short tons	186, 997 53, 834	205, 008 63, 790	190, 354 43, 327	177, 118 53, 249	170, 827 27, 671	147, 144 81, 099	152, 147 61, 775	-3. 6 -48. 0	+12.3 -55.2	142, 874	80, 920	-43. 4
Flaxseed												
Minneapolis and Duluth: Receipts	8, 230 2, 008	4, 088 3, 241	1, 079 2, 035	925 576	660 457	787 540	515 418	-28.6 -20.7	+28. 2 +9. 3	1,302 958	1, 585 1, 033	+21.7 +7.8
Linseed oil:	5, 246 1, 758	4, 671 1, 491	3, 997 1, 029	3, 212 1, 181		2, 372 2, 237	2,073 1,327	-16. 9 +7. 0	+28.7 -4.7	3, 564	1	-31.4
Shipments from Minneapolis_thous. of lbs_ Price, New Yorkdolls. per lb_ Linseed cake and meal:	13, 202 . 099	9, 253 . 099	8, 878 . 096	13, 023 . 098	12, 917 . 098	9, 660 . 105	8,301 .104	- .8	+55.6 -5.8	17, 961	25, 940	+44.4
Shipments from Minneapolis_thous. of lbs_ Exportsthous. of lbs_	31, 492 48, 625	34, 857 58, 522	22, 581 53, 999	27, 056 44, 367	28, 540 53, 532	20, 682 61, 103	18, 488 54, 322	+5.5 +20.7	+54.4 -1.5	39, 170 115, 425	55, 596 97, 899	+41.9 -15.2
FOODSTUFFS	ļ [E	l İ								ľ
Wheat Visible supply, end of month:												
United States thous of bushs Canada thous of bushs Receipts, principal markets thous of bushs	94, 607 62, 492 73, 244	96, 468 121, 009	90, 506 147, 506	82, 368 152, 560	74, 260 152, 760 22, 538	59, 731 116, 613	58, 454 115, 350	-9.8 +0.1	+27.0 +32.4			
Shipments, principal markets thous. of bushs Exports:	73, 244 49, 252	44, 823 35, 156	26, 522 19, 440	23, 542 14, 284	22, 538 12, 771	24, 595 13, 757	20, 952 10, 413	-4.3 -10.6	+7.6 +22.6	45, 547 24, 170	46, 079 27, 055	+1.2 +11.9
United States— Wheat onlythous. of bushs_ Including wheat flour_thous. of bushs_	29, 236 36, 045	20, 731 26, 696	6, 917 11, 986	5, 956 11, 560	2, 276 6, 538	8, 078 12, 619	4, 889 8, 822	-61. 8 -43. 4	-53. 4 -25. 9	12, 967 21, 441	8, 232 18, 098	-36.5 -15.6
Canada— Wheat only—thous. of bushs_ Including wheat flour_thous. of bushs_	19, 430	52, 805 57, 976	44, 809 49, 114	15, 201 18, 647	18, 372	12, 571 16, 054	11, 422	+20.9 +17.1	+60.8	23, 993 30, 842	33, 573 40, 475	+39.9 +31.2
Prices: No. 2, red winter, Chicago_dolls, per bush_	23, 475 1. 34	1, 35	1.38	18, 047	21, 828 1. 54	1, 37	14, 788	+7.7	+47. 6 +12. 4	00, 012	20, 210	T-01. 2
No. 1, northern spring, cash Minneapolisdolls. per bush_	1. 275	1. 264	1. 275	1. 293	1. 263	1. 413	1. 403	-2.3	-10.0			
Wheat Flour	1									1		
Grindings of wheat: United States (census)thous. of bushs_ Canadathous. of bushs_ Production:	49, 792 9, 138	44, 882 9, 656	42, 604 8, 115	3 42, 415 7, 246	40, 908 6, 737	39, 354 6, 819	36, 569 5, 615	-3.6 -7.0	+11.9 +20.0	75, 923 12, 434	83, 323 13, 983	+9.7 +12.5
United States, actual (census)thous. of bbls_ United States, prorated	10, 817	9, 735	9, 235	3 9, 132	8, 823	8, 624	8, 023	-3.4	+10.0	16, 647	17, 955	+7.9
United States, prorated (Russell)thous. of bbls_ Canadathous. of bbls_	12, 540 2, 005	11, 337 2, 120	10, 877 1, 677	10, 502 1, 579		9, 676 1, 496	8, 996 1, 231	-7. 0	+18.9	2,727	3, 043	+11.6
*Revised.	•		•	•	•		•			,	, -	

The cumulatives shown are through February. Earlier data for items shown		1927		19	28	19	27	PER CE CREASE DECREA	(+) OR	FROM J.	VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
FOODSTUFFS—Continued											-	
Wheat Flour—Continued	3.000.400	700 041	745 040	1744 007	700 050	676 000	404 005		.,	1 000 017	1 407 000	
Production, grain offalthous. of lbs_ Capacity operated, flour millsper cent_ Consumption (computed)thous. of bbls_ Stocks, all positions, end of	³ 866, 428 63 11, 617	782, 841 59 11, 111	745, 242 53 10, 451	3 744, 227 55 8, 207	723, 056 55	676, 292 53 7, 867	624, 025 53 8, 572	-2.8 0	+15.9 +3.8	1, 300, 317	1, 467, 283	+12.8
month (computed) thous. of bbls. Exports:	7, 900	6, 800	6, 100	7, 150		7, 500	7, 080					
United States thous. of bbls. Canada thous. of bbls. Wholesale prices:	1, 513 899	1, 326 1, 149	1, 126 957	1, 245 766	947 768	1,009 774	874 748	-23.9 +.3	+8.4 +2.7	1, 883 1, 522	2, 292 1, 534	+21. 7 +. 8
Standard patents, Minneapolisdolls. per bbl	7. 23	7. 15	7. 10	7. 45	7. 37	7. 46	7. 42	-1.1	7		-	
Winter straights, Kansas Citydolls. per bbl	6. 54	6. 58	6. 56	6.70	6.66	6.55	6. 54	6	+1.8	 		ļ
Corn												
Exports, including mealthous. of bushs Visible supply, end monththous. of bushs	538 21, 847	861 20, 439	1, 206 28, 390	1, 661 30, 078	4, 097 43, 582	2, 017 40, 616	2,023 47,792	+146.7 +44.9 +22.6	+102. 5 -8. 8	4,040	5, 758	+42.5
Receipts, principal marketsthous of bushs Shipments, prin. marketsthous of bushs Grindings (starch, glucose)thous of bushs	18, 448 9, 665	16, 971 10, 256	37, 088 16, 064	36,001 19,551	44, 126 22, 705	27, 638 10, 638	24, 667 8, 500	+16.1	+789 +165. 1	52, 305 19, 138	80, 127 42, 256	+53. 2 +120. 9
Prices, contract grades, No. 2, Chicago	\$ 8, 612 . 88	8,064	6, 301	8,330	8, 339	6,618	³ 6, 510 . 76	+.1	+28. 1 +25. 0	13, 128	16, 669	+27.0
Oats	.00							10.1	720.0			
Receipts, principal marketsthous. of bushs Visible supply, end of monththous. of bushs	13, 914	11, 961 24, 429	10, 733	10, 495 21, 519	11, 667 20, 634	14, 377 46, 890	10, 053 44, 625	+11. 2 -4. 1	+16.0	24, 430	22, 162	-9.3
Exports, including mealthous. of bushs_ Prices, contract grades,	25, 182 891	672	22, 982 724	838	499	614	321	-40.5	-53.8 +55.5	935	1, 337	+43.0
Chicago dolls, per bush. Grindings, Canada thous, of bushs.	. 50 1, 027	. 51 1, 110	. 55 1, 202	. 56 1, 040	. 58 822	. 50 791	. 48 693	+3.6 -21.0	+20.8 +18.6	1, 484	1,862	+25. 8
Production, oatmeal and rolled oats, Canadathous. of lbs	11,650	13, 565	14, 734	12, 461	9, 360	8,890	7,711	-24.9	+21.4	16, 601	21,821	+31.4
Barley												1
Receipts, principal marketsthous. of bushs Visible supply, end mothous. of bushs	10, 908 4, 398	7, 654 4, 338	4, 199 2, 707	6, 401 2, 3 59	4, 457 2, 206	2,663 4,180	2, 347 3, 790	-30.4 -6.5	+89.9 -41.8	5, 010	10, 858	+116.7
Exportsthous. of bushs_ Price, fair to good, malting,	6, 927	6, 490	2,707 3,425	1,701	879	1,006	1, 257	-48.3	-30.4	2, 263	2, 580	+14.0
Chicagodolls, per bush	. 82	.84	. 88	. 93	.96	.74	. 78	+3.2	+23.1			
Receipts, principal marketsthous. of bushs	7, 496	4,619	2, 386 3, 275	1, 477	1, 333	1, 281	2, 156	-9.7	-38. 2	3, 437	2,810	-18.2
Visible supply, end mothous. of bushs. Exports, including flourthous. of bushs.	1, 595 6, 425	2, 412 2, 889	1,309	3, 656 519	4, 078 458	12, 591 804	13, 655 591	+11.5 -11.8	-70.1 -22.5	1, 395	977	-30.0
Price, No. 2, Chicagodolls. per bush Total Grains	1.00	1.06	1.09	1.09	1.12	1.02	1.05	+2.8	+6.7			
Total grain exports, incl. flour_thous. of bushs	50, 826	37, 608	18, 650	16, 279	12, 471	17, 060	13, 014	-23. 4	-4. 2	30, 074	28, 750	-4.4
Rice												
Southern paddy, receipts at millsbbls_Shipments:			831, 033	853, 581		817, 939	648, 369					
Total from mills pockets (100 lbs.) New Orleans pockets (100 lbs.)	1, 200, 174 239, 453	1, 162, 603 232, 725	1, 006, 759 234, 740	1, 118, 120 158, 323 2, 106, 310	224, 932	1, 120, 252 249, 175	877, 798 177, 220 1, 957, 608	+42.1	+26.9	426, 395	383, 255	-10. 1
Total from mills	2, 247, 038 203, 350	2, 409, 940 160, 871 22, 808	2, 290, 857 267, 294 54, 723	2, 106, 310 469, 435 52, 744	322, 071 58, 820	2, 095, 911 368, 895 56, 818	1, 957, 608 508, 885 70, 562	-31.4 +11.5	-36. 7 -16. 6	877, 780 127, 380	791, 506 111, 564	-9.8 -12.4
Other Crops	21,000	22,000	04, 120	02,111	30, 020	30, 616	70, 302	711.0	-10.0	121,300	111,504	
Apples: Cold-storage holdings,												
end of monththous. of bbls	5, 992 31, 612 37, 410	7, 831 16, 607 20, 318	6, 845 5, 881	5, 307 5, 305 19, 665	3, 704 4, 913 22, 258	7, 335 7, 827 17, 408	5, 114 7, 883 17, 314	-30. 2 -7. 4 +13. 2	-27.6 -37.7 -28.6	15, 710 34, 722	10, 218 41, 923	-34. 0 ±20. 2
Onions, car-lot shipments carloads Citrus fruit, car-lot shipments carloads	5, 754 5, 618	2, 924 7, 487	13, 206 2, 234 12, 123	3, 114 9, 057	2, 470 8, 735	2, 797 11, 725	2, 018 10, 855	-20.7 -3.6	+28.6 +22.4 -19.5	4, 815 22, 580	5, 584 17, 792	+20. 7 +16. 0 -21. 2
Hay, all tame, receipts tons.	69, 233	55, 161	51, 806	63, 009	62, 673	78, 088	56, 938	5	+10.1	135, 026	125, 682	-6. 9
Cattle movements, primary markets:			ļ									
Receipts thousands	2, 635 1, 259	2,346 1,156	1, 691 729	1,771 660	1, 516 552	1, 832 657	1, 555 537	-14.4 -16.4	$-2.5 \\ +2.8$	3, 387 1, 194	3, 287 1, 212	-3, 0 +1, 5
Shipments, total thousands. Shipments, stocker and feeder thousands. Local slaughter thousands.	675 1, 291	615 1, 240	319 980	234 1, 080	194 961	205 1, 136	175 1, 012	-17. 1 -11. 0	+11.0 -5.0	380 2, 148	428 2, 041	+1. 5 +12. 6 -5. 6
Beef products: Production, inspectedthous. of lbs Apparent consumptionthous. of lbs	475, 455	459, 364	403, 660	387, 750	370, 385	443, 918	401, 482	-4.5	-7.7	845, 400	758, 135	-10.3
Exportsthous, of lbs_ Cold-storage holdings,	474, 078 1, 165	443, 800 1, 085	394, 808 1, 097	³ 393, 945 974	379, 507 935	448, 614 1, 975	407, 852 1, 748	-3.7 -4.0	-6.9 -46.5	856, 466 3, 723	773, 452 1, 909	-9.7 -48.7
end of monththous, of lbs	43, 916	65, 345	76, 947	3 71, 651	63, 703	95, 254	88, 020	-11.1	-27.6			
Cattle, corn-fed, Chicago_dolls. per 100 lbs_ Steer rounds No. 2dolls. per lb Western dressed native steers	14. 33 . 190	15. 94 . 190	15, 50 , 196	15. 80 . 220	14.78 .200	10, 30 . 145	11.06 .150	-6.5 -9.1	+33.6 +33.3			
Western dressed native steers, New Yorkdolls, per lb.	. 225	. 234	. 238	. 230	. 230	. 178	. 175	0	+31.4	J		

The cumulatives shown are through February. Earlier data for items shown		1927		19) 28	19	27	CREASE	int in- (+) or ise (-)	FROM J.	VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	F bruary	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
FOODSTUFFS—Continued					i							
Hogs and Pork					}							
Hog movements, primary markets: Receipts thousands thousands. Shipments, total thousands. Shipments, stocker and feeder thousands. Local slaughter thousands.	3, 039 1, 137 78 1, 883	3, 666 1, 284 113 2, 382	4, 209 1, 485 95 2, 745	5, 306 1, 849 77 3, 443	5, 267 1, 810 75 3, 457	4, 252 1, 527 99 2, 694	3, 308 1, 315 94 2, 006	7 -2.1 -2.6 +.4	+59. 2 +37. 6 -20. 2 +72. 3	7, 560 2, 842 193 4, 700	10, 573 3, 659 152 6, 900	+39.9 +28.4 -21.2 +46.8
Pork products, total: Production, inspectedthous. of lbs Apparent consumptionthous. of lbs	497, 128 615, 065	596, 842 603, 579	793, 789 594, 140 87, 955	935, 467 3 675, 668	1, 017, 548 643, 150 109, 280	783, 758 564, 328	608, 455 446, 129	+8.8	+67.2 +44.2	1, 392, 213 1, 010, 457	1, 953, 015 1, 318, 818	+40.3 +30.5
Exportsthous. of lbsthous. of lbsthous. of lbsthous. of lbsthous. of lbsthous.	72, 251 539, 240	67, 764 465, 976	578, 280	98, 794	1, 005, 094	85, 134 658, 647	74, 150 748, 777	+10.6 +35.9	+47. 4 +34. 2	159, 284	208, 074	+30.6
Fresh and cured in storage, end of monththous. of lbs	467, 119	419, 822	523, 425	³ 655, 638	883, 740	589, 071	671, 674	+34.8	+31.6			
Lard (included in pork products): Productionthous, of lbs Exportsthous, of lbs	92, 860 50, 355	110, 525 49, 636	155, 157 62, 855	190, 557 70, 660	79, 872	154, 592 59, 842	119, 715 49, 884	+13.0	+60.1	109, 726	150, 532	+37. 2
Cold-storage holdings, end of monththous. of lbs	72, 121	46, 154	54, 855	3 84, 007	121, 354	69, 576	77, 103	+44.5	+57.4			
Prices: Hogs, heavy, Chicagodolls. per 100 lbs Hams, smoked, Chicagodolls. per lb Lard, prime contract, N. Ydolls, per lb	11.06 .233 .130	9. 47 . 220 . 125	8. 58 . 214 . 120	8.32 .212 .124	8, 03 , 210 , 116	11. 97 . 269 . 129	11.64 .273 .128	-3.5 9 -6.5	-31.0 -23.1 -9.4			
Sheep and Lamb												
Sheep movement, primary market: Receipts thousands. Shipments, total thousands. Shipments, stocker and feeder thousands. Local slaughter thousands.	3, 587 2, 413 1, 560 1, 148	1, 896 988 497 950	1, 609 723 174 896	1, 705 705 116 994	1, 667 729 101 945	1,740 819 207 921	1, 496 669 136 829	-2. 2 +3. 4 -12. 9 -4. 9	+11.4 +9.0 -25.7 +14.0	3, 236 1, 488 343 1, 750	3, 372 1, 434 217 1, 939	+4. 2 -3. 6 -36. 7 +10. 8
Lamb and mutton: Production, inspectedthous, of lbs Apparent consumptionthous, of lbs Cold-storage holdings,	46, 188 45, 855	42, 354 41, 877	44, 660 44, 246	47, 081 3 47, 055	44, 057 44, 438	44, 161 44, 292	40, 510 40, 943	-6.4 -5.6	+8.8 +8.5	84, 671 85, 235	91, 138 91, 493	+7.6 +7.3
end of monththous. of lbs_ Prices:	2, 958	3, 790	4, 408	³ 4, 404	4, 010	4, 447	4, 074	-8.9	-1.6			
Sheep, ewes, Chicagodolls. per 100 lbs_ Sheep, lambs, Chicagodolls. per 100 lbs_	5. 25 13. 87	5. 47 13. 58	5, 63 13, 01	6. 05 12. 65	8. 16 15. 13	6. 41 12. 47	7. 78 13. 24	+34.9 +19.6	+4.9 +14.2			
Miscellaneous Meats										İ		
Cold-storage holdings, end mothous. of lbs	49, 235	52, 227	61, 420	3 64, 219	71, 489	61, 791	59, 230	+11.3	+20.7			
Total Meats												
Production, inspected thous, of lbs Cold-storage holdings, end mothous, of lbs Apparent consumption thous, of lbs	635, 349	587, 338	721, 055	1, 370, 298 3 879, 919 31,116,668		1, 271, 850 820, 139 1, 057, 234	1, 050, 446 900, 101 894, 924	+4.5 +30.0 -4.4	+36.3 +27.1 +19.2	2, 322, 296 1, 952, 158	2, 802, 287 2, 185, 477	+20.7
Poultry Receipts at 5 marketsthous. of lbs	29, 103	61, 370	70, 350	29, 347	20, 857	27, 704	18, 949	-28.9	+10.1	46, 653	50, 204	+7.6
Cold-storage holdings, end of monththous. of lbs	52, 315	85, 030	·	³ 118, 154	103, 550	144, 076	129, 510	-12.4	-20.0			
Fish												
Total catch, prin. fishing portsthous. of lbsCold-storage holdings,	27, 385	21,096	3 14, 051	14, 300	18, 860	18, 140	19, 349	+31.9	-2.5	37, 489	33, 160	-11. 5
15th of month thous. of lbs Canned salmon: Shipments, United States cases	65, 960 791, 856	66, 790 377, 951	64, 787 349, 112	⁸ 53, 921 254, 394	44, 515	58, 655 482, 140	48, 684 490, 107	-17.4	-8.6		******	
Exports, Canadacases	120, 446	209, 358	95, 921	168, 946	79, 760	106, 146	66, 467	-52.8	+20.0	172, 613	248, 706	+44. 1
Butter			20.111									
Production (factory) thous. of lbs Receipts, 5 markets thous. of lbs Cold-storage holdings, creamery,	149, 785 38, 301	86, 238 33, 607	88, 164 33, 687	103, 861 42, 271	96, 768 41, 140	93, 912 37, 705	91, 574 38, 375	$ \begin{array}{r} -6.8 \\ -2.7 \end{array} $	+5.7 +7.2	185, 486 76, 080	200, 629 83, 411	+8. 2 +9. 6
end of month	118, 679 178, 353 . 48	83, 224 159, 106 . 50	46, 289 163, 244 . 52	28, 273 159, 687 . 49	14, 410 143, 844 . 47	17, 952 145, 906 . 50	7, 952 135, 997 . 52	-49. 0 -9. 9 -4. 1	+81. 2 +5. 8 -9. 6	281, 903	303, 531	+7. 7
Cheese								ļ				
Total, all varieties: Production (factory) thous. of lbs. Receipts, 5 markets thous. of lbs. Apparent consumption thous. of lbs.	32, 862 18, 995 48, 793	20, 511 14, 279 36, 022	21, 186 13, 826 35, 335	24, 033 14, 409 37, 408	24, 033 13, 716 36, 618	26, 250 12, 706 36, 616	26, 6 09 14, 916 3 6, 145	0 -4.8 -2.1	-9.7 -8.0 +1.3	52, 859 27, 622 72, 761	48, 066 28, 125 74, 026	-9.1 +1.8 +1.7
Cold-storage holdings, end of monththous. of lbs Importsthous. of lbs	77, 603 8 441	70, 735	64, 035	55, 862 5 347	48, 795	62, 136	54, 072	-12.7	-9.8 +10.8	10 200	10 650	
Exports, United Statesthous. of lbs Exports, Canadathous. of lbs American whole milk:	8, 441 211 20, 944	8, 976 321 16, 072	7, 474 211 8, 878	5, 347 257 1, 324	5, 303 208 1, 148	5, 608 356 3, 209	4, 788 370 3, 404	8 -19. 4 -13. 3	-43. 8 -66. 3	10, 3 96 726 6, 613	10, 650 465 2, 472	+2. 4 -36. 0 -62. 6
Cold-storage holdings, end of monththous. of lbs Wholesale price, New Yorkdolls. per lb	59, 035 . 28	53, 447 . 27	47, 765 . 29	\$ 41,793 . 29	36, 719 . 24	46, 026 . 26	39, 382 . 26	-12.1 -17.2	-6.8 -7.7			

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		19	28	19	27	PER CE CREASE DECREA	(+) OR		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
FOODSTUFFS—Continued												
Eggs												
Receipts, 5 marketsthous. of cases Cold-storage holdings, end of month:	704	603	608	862	1, 320	970	1, 176	+53.1	+12.2	2, 146	2, 182	+1.7
Casethous. of cases Frozenthous. of lbs	5, 485 62 , 066	2, 956 5 4, 703	882 47, 020	³ 26 ³ 38, 575	31, 355	253 31, 207	26, 053	+150.0 -18.7	$-29.3 \\ +20.4$			
Milk Condensed milk:												
Manufacturers' total stocks												
(end of month)— Case goodsthous, of lbs.	35, 932	29, 155	24, 820	20, 521	17, 912	16, 594	12, 418	-13.1	+44.2			
Bulk goodsthous. of lbs Manufacturers' unsold stocks	14, 956	12, 362	³ 8, 310	8, 457	7, 485	8, 303	7, 782	-11.5	-3.8			
(end of month)— Case goodsthous, of lbs.	30, 535 5, 970	24, 919	19,048	15, 151	12, 534	11, 296	7,054	-17.3	+77.7			
Bulk goods thous, of lbs Exports thous, of lbs Wholesale price, New York dolls, per case.	2, 760	5, 521 2, 981	3 4, 656 2, 345	5, 216 3, 819	5, 081 2, 645	3, 388 2, 694	3, 619 2, 853	-2.6 -30.7	+40.4 -7.3	5, 547	6, 464	+16.
Evaporated milk:	6. 00	6. 02	6.00	6. 00	5. 98	5. 63	5. 72	3	+4.5			
Manufacturers' total stocks, end of month (case goods)thous. of lbs_	205, 587	166, 187	140, 133	118, 444	93, 458	54, 888	49, 940	-21.1	+87.1			
Manufacturers' unsold stocks, case goodsthous. of lbs	183, 239	149, 397	117, 115	95, 120	65, 470	19, 084	10, 150	-31.2	+545.0	0.005	14 001	
Exportsthous, of lbs Wholesale price, New York, dolls, per case Production, condensed and	5, 130 4. 58	4, 662 4. 59	4, 532 4. 57	7, 360 4, 58	7, 531 4. 46	5, 554 4. 50	4, 331 4, 50	$\begin{array}{ c c c c } +2.3 \\ -2.6 \end{array}$	+73.9 9	9, 885	14, 891	+50.6
evaporated milkthous. of lbs_ Powdered milk:	112, 651	99, 393	99, 465	102, 847	131, 323	117, 012	119, 142	+27.7	+10.2	236, 154	234, 170	8
Manufacturers' total stocks_thous. of lbs_	9, 261 307	7, 950	5, 723 336	8, 334 236	8,802	9, 638 268	6,710 254	+5.6	+31.2	599	564	
Exports thous. of lbs_ thous. of lbs_ thous. of lbs_ thous. of lbs_	5, 735	298 5, 706	5, 555	4,880	328 4, 279	3, 568	4, 214	+39.0 -12.3	+29.1 +1.5	7, 782	564 9, 159	+8.6 +17.7
Fluid milk: Receipts—	15 005	10.00	15 050	17 400		** ***	15 500					
Boston (includ. cream) _ thous. of qts_ Greater New Yorkthous. of qts_	17, 987 114, 981	16, 624 108, 536	17, 376 108, 272	17, 490 109, 709	104, 413	17, 002 106, 156	15, 522 99, 019	-4.8	+5.4	205, 175	214, 122	+4.
Production— Minneapolis, St. Paulthous. of lbs	20, 217	19, 868	22, 627	26, 140		25, 468	24, 623					
Consumption in manufacture of oleomargarinethous. of lbs	7, 332	7, 034	7, 363	7, 190	8, 117	6, 287	6, 262	+12.9	+28.0	12, 549	15, 307	+22.0
Sugar												
Raw: Imports—									<u> </u>			
From Hawaii and Porto Ricolong tons	76, 540	24, 340	20, 058	45, 026	130, 034	70, 187	142, 800	+188.8 +56.6	-8.9	212, 987	175, 060	-17.8
From foreign countrieslong tons Meltings, 8 portslong tons Stocks at refineries, end monthlong tons	319, 464 375, 748	223, 855 295, 922	201, 139 243, 364	219, 926 307, 050	344, 459 310, 612	163, 973 290, 613	366, 551 362, 841	+1.2	-6.0 -14.4	530, 524 653, 454	564, 385 617, 662	+6.
Receipts, domestic, at New	254, 963	215, 665	205, 573	192, 968	333, 493	177, 791	300, 858	+72.8	+10.8			
Orleans long tons. Refined:	None.	5, 727	10, 204	None.	None.	1,404	123	116.9	-100.0	100 010	00 500	17
Shipments, 2 ports *long tons_ Stocks, 2 ports *long tons_	54, 010 35, 128	44, 663 30, 665	45, 340 30, 387	40, 958 29, 542	47, 631 20, 283	46, 095 24, 638	60, 724 30, 491	+16.3 -31.3	-21.6 -33.5	106, 819	88, 589	-17.
Exports, including maplelong tons Prices:	3, 642	4, 480	3, 651	3, 184	8,842	5, 760	6, 541	+177.7	+35.2	12, 301	12, 026	-2.
Wholesale, 96° centrifugal, N. Ydolls. per lb Wholesale, granulated, N. Y. dolls. per lb	. 047	. 047	.046	. 045	. 043	. 051	. 049	-4.4	-12.2			
Retail granusted, N. Idolls, Der ID	. 057	. 056	. 056	. 057	. 056	.062	.060	-1.8 0	-6.7 -7.4			
Retail average, 51 citiesrelative to 1913 Cuban movement (raw):	131	131	129	129	129	136	136	0	-5.1	1 000 000	1 100 544	
Receipts at Cuban portslong tons Exportslong tons Stocks, end of monthlong tons	151, 747 304, 118	106, 974 261, 815	86, 425 244, 852	238, 129 212, 161	898, 615 326, 705	482, 152 166, 044	805, 868 397, 066	+277. 4 +54. 0	+11.5 -17.7	1, 288, 020 563, 110	1, 136, 744 538, 866	-11. 7 -4. 8
	531, 142	344, 693	212, 314	177, 801	851, 113	298, 682	702, 733	+378.7	+21.1	í		1
Coffee Importsthous. of bags	976	1, 099	1, 144	1, 148	1,024	907	952	-10.8	+7.6	1,859	2, 172	+16.8
Visible supply: † Worldthous, of bags	4, 917	5, 050	5, 041	4, 862	4,792	4, 605	4, 385	-1.4	+9.3			
United States thous. of bags. Receipts, total, Brazil† thous. of bags.	634 1,838	686 1,714	768 1, 372	782 1, 216	833 1,022	1, 014 1, 218	903 1,052	+6.5 -16.0	-7.8 -2.9	2, 270	2, 238	-1.4
Clearances: † Total, Brazil, for worldthous. of bags	1, 583	1, 510	1, 441	1, 237	980	1, 241	947	-20.8	+3.5	2, 188	2, 217	[]
Total, Brazil, for U. Sthous. of bags Price, Rio No. 7, Brazil grades	862	813	876	687	507	666	447	-26. 2	+13.4	1, 113	1, 194	+1.3 +7.8
N. Ydolls. per lb	. 147	. 145	. 142	. 148	. 157	. 153	. 149	+6.1	+5.4			
Tea [mportsthous. of lbs	9, 687	10, 547	9, 057	8, 160	6, 087	8, 876	5, 585	-25.4	+9.0	14, 461	14, 247	-1.8
Stocks, United Kingdom, end of month thous. of lbs	185, 921	215, 380	245, 505	254, 957	252, 704	3 217, 783	³ 211, 833	9	+19.3			
Price, Formosa, fine New Yorkdolls. per lb TOBACCO	. 345	. 329	. 325	. 325	. 325	. 345	. 345	0	-5.8			
Consumption (tax-paid withdrawals):												
Large cigars thousands Small cigarettes thousands	688, 921 8, 552, 397	654, 165 8, 093, 752	393, 007 6, 870, 462	413, 532 8, 369, 087	453, 605 7, 531, 914	466, 078 7, 269, 356	441, 696 6, 609, 166	+9.7 -10.0	+2.7 +14.0	907, 774 13, 878, 522	867, 137 15, 901, 001	-4. +14.
	33, 992	31, 553	26, 685	33, 002	32, 310	33, 005	31, 873	-2.1	+1.4	64, 878	65, 312	+.
Manufac. tobacco and snuff, thous, of lbs		1	1									10 0
Manufac. tobacco and snuff_thous, of lbs_ Exports: Unmanufacturedthous, of lbs_	3 47, 527 672, 015	³ 54, 729 ³ 548, 984	3 47, 885 364, 467	3 42, 958 962, 574	41, 624 836, 921	³ 66, 586 ³ 761, 076	3 47, 215 611, 221	-3. 1 -13. 1	$-11.8 \\ +36.9$	113, 801 1, 372, 247	84, 582 1, 799, 495	-25.7
Manufac. tobacco and snuff-thous, of lbs Exports:	³ 47, 527 672, 015 162, 386	³ 54, 729 ³ 548, 984 161, 702	3 47, 885 364, 467 116, 822	8 42, 958 962, 574 135, 470	41, 624 836, 921 61, 235	³ 66, 586 ³ 761, 076 130, 006	611, 221	-3. 1 -13. 1 -54. 8	-11.8 +36.9 -48.0	113, 801 1, 372, 247 247, 727	84, 582 1, 799, 495 196, 705	

^{*}See table on p. 23 of the February, 1928, issue for earlier data.

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		19	28	19	27	CREASE	ENT IN- (+) OR ASE (-)		VE TOTAL ANUARY I H FEBRU-	Per ct in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu lative 1928 from 1927
TRANSPORTATION												
River and Canai Cargo Traffic									İ			
Panama Canal: Total cargo trafficthous. of long tons In American vesselsthous. of long tons In British vesselsthous. of long tons Sault Ste Marie canalsthous. of short tons New York State canalsthous. of short tons Cape Cod Canalshort tons Welland Canalshort tons Welland Canalshort tons	2, 718 1, 396 714 11, 231 381 89, 030 2, 402	2, 489 1, 113 743 6, 898 327 101, 206 2, 546 853, 845	2, 574 1, 099 763 1, 169 None. 98, 426 2, 504 53, 883	2, 372 1, 019 698 None. None. 73, 097 2, 647 None.	2, 660 1, 121 872 None. None.	2, 242 1, 216 478 None. 50, 378 2, 305 None.	2, 230 1, 149 539 None. None. 41, 945 2, 209 None.	l		4, 472 2, 365 1, 017	2,140 1,570	
St. Lawrence Canal short tons	1 198 952	908, 199 114, 541	53, 793 114, 063	None. 105, 521	None. 125,000	None. 89, 610	None. 85, 482	+18.5	+46. 2	175, 092	230, 521	+31.7
Mississippi River, Govt. barges	894, 938 444, 358 2, 132, 076	823, 910 338, 975 2, 020, 004	685, 546 176, 540 1, 965, 934	517, 488 81, 585 2, 327, 246		621, 496 89, 242 1, 935, 879	624, 697 85, 605 2, 117, 558					
Ocean Traffic												l
Clearances, vessels in foreign trade: Totalthous. of net tons Americanthous. of net tons Foreignthous. of net tons	6, 974 2, 939 4, 035	6, 957 3, 261 3, 697	5, 296 2, 057 3, 239	5, 163 1, 865 3, 298	5, 035 1, 877 3, 158	5, 153 1, 818 3, 335	4, 746 1, 735 3, 011	-2.5 +.6 -4.2	+6.1 +8.2 +4.9	9, 899 3, 553 6, 346	10, 198 3, 742 6, 456	+3.0 +5.3 +1.7
Shipbuilding												
Completed during month: Totalgross tons_ F Steel seagoinggross tons_ Building or under contract, end of month: Merchant vesselsthous. of gross tons_	9, 290 3, 364 241	26, 657 22, 554 194	35, 867 30, 742 204	9, 294 2, 888 214	20, 787 15, 218	6, 396 1, 208 313	19, 374 15, 532 310	+123. 6 +426. 9	+7.3 -2.0	25, 770 16, 740	30, 081 18, 106	+16. 7 +8. 2
Freight Cars												
Surplus (daily av. last week of month): Total	168, 829 82, 411 61, 455	352, 168 158, 304 148, 860	464, 005 224, 247 183, 638	403, 792 182, 001 169, 463	372, 916 155, 554 168, 172	259, 548 148, 742 62, 588	275, 153 141, 589 83, 252	-7.6 -14.5 8	+35.5 +9.9 +102.0			
Total	302 None. 103	None. None. None.	25 None. None.	None.	None. None. None.	164 2 85	125 None, 85	-100 -100 -100	-100 -100 -100			
Car loadings: Total	273, 675 193, 753 1, 004, 056 336, 527	3, 822, 620 182, 059 134, 598 713, 254 244, 210 76, 267 1, 015, 551	4, 172, 605 219, 482 144, 519 869, 877 259, 598 40, 682 1, 177, 774	3, 447, 723 187, 197 127, 658 752, 752 233, 368 31, 737 927, 299	3, 589, 694 187, 045 130, 005 726, 259 270, 914 31, 394 974, 382	3, 756, 660 178, 988 129, 321 939, 677 257, 374 37, 845 965, 485	*3,801,918 * 173,630 * 110,747 * 902,257 * 275,585 * 42,753 * 990,574	+4.1 1 +1.8 -3.5 +16.1 -1.1 +5.1	-5.6 +7.7 +17.4 -19.5 -1.7 -26.6 -1.6	7, 558, 578 352, 618 240, 068 1, 841, 934 532, 959 80, 598 1, 956, 059	7, 037, 417 374, 242 257, 663 1, 479, 011 504, 282 63, 131 1, 901, 681	-6.9 +6.1 +7.3 +19.7 -5.4 -21.7 -2.8
Miscellaneouscars	2, 187, 746	1, 456, 681	1, 460, 673	1, 187, 712	1, 269, 695	1, 247, 970	31,306,372	+6.5	-2.8	2, 554, 342	2, 457, 407	-3.8
Operating revenue: Freight	580, 498	385, 760 70, 885 503, 820 376, 876 86, 424 37, 228	334, 742 81, 990 467, 598 377, 800 55, 334 34, 580	337, 382 78, 483 457, 426 363, 384 56, 634 36, 271		358, 104 85, 971 487, 587 387, 990 61, 415 39, 233	353, 857 74, 218 468, 994 361, 473 70, 045 37, 250					
Railway Equipment												
Locomotives (Am. Ry. Assn.): Owned, end of month— Quantitynumber Tractive powermills. of lbs	61, 305 2, 606	61, 088 2, 602	60, 784 2, 595	60, 679 3 2, 597	60, 598 2, 596	62, 387 2, 611	62, 334 2, 611	1 0	-2.8 6			
In bad order end of month— Quantitynumber_ Per cent of total in useper cent. Installednumber_ Retirednumber_ New ordersnumber_	345	8,961 14.8 149 366 17	8, 257 13. 6 135 378 149	8,733 14.5 154 259 2	8, 857 14. 7 141 222 30	9, 256 14. 9 145 210 26	9, 548 15. 4 160 214 85	+1.4 +1.4 -8.4 -14.3	-7. 2 -4. 5 -11. 9 +3. 7 -64. 7	305 424 111	295 481 32	+13.
New ordersnumber. Shipments, manufacturers' (census)— Totalnumber. Steam, domesticnumber. Electric, domesticnumber.	112	52 31 7	72 41 13	47 22	59 43 11	57 16 8	80 69 10	+25.5 +95.5 -52.2	-26.3 -37.7	137 85 18	106 65 34	-22. -23. +88.
Unfilled orders (railroads), end of mo.— From manufacturersnumber In railroad shopsnumber	. 53	51 18	80 13	151 22	148 23	262 56	232 44	-14.3 +4.5	-36. 2 -47. 7			
Unfilled orders, manufacturers' (census)— Total number Steam, domestic number Electric, domestic number Exports, steam number	182 97 45	145 74 42 5	232 178 39	222 161 38	204 146 40		29	-8.1 -9.3 +5.3 -53.8	-49.4 -53.5			

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		19	28	19	27	PER CE CREASE DECREA	(+) OR		VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de- crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927
TRANSPORTATION—Continued												
Railway Equipment—Continued		j]					
Freight cars (Am. Ry. Assn.): Owned, end of month—	[ļ										
Quantity cars Capacity mills. of lbs_ In bad order, end of month—	2, 325, 027	2, 322, 179 211, 985	2, 313, 375 210, 923	³ 2,309,577 ³ 210, 649	2, 306, 063 210, 404	2, 336, 050 211, 500	2, 335, 000 211, 485	2 1	-1.2 5			
In bad order, end of month— Quantitycars	139, 441	137, 795	130, 493	136, 115	138, 870	136, 847	138, 292	+2.0	+.4			
Per cent of total in useper cent	6. 1	6.1	5. 8 14, 114	6.0	6. 2 5, 876	5.9	6. 1	+3.3 +180.1	+1.6 +40.4	21, 381	7, 974	62.
New orders cars shipments cars	4,320	3,780	2, 545	774	444	17, 196 3, 209	3,023	-42.6	-85.3	6, 232		-80.
Total cars Domestic cars	4, 101	3, 754	2, 536	576	444	3, 160	3, 009	-22.9	-85. 2	6, 169	1, 218 1, 020	-83.
Unfilled orders (railroads)— Total—————cars—	10, 901	9, 721	12, 431	18, 464	19,748	27, 069	28, 426	+7.0	-30.5			
From manufacturerscars	6, 991 3, 910	6, 424 3, 297	9, 341 3, 090	15, 459 3, 005	17, 603 2, 145	17, 209 9, 860	18, 255 10, 171	+13.9 -28.6	-3.6 -78.9			
Passenger cars: New orderscars	18	12	150	615	82	314	246	-86.7	-66.7	560	697	+24.
Shipments— Total————————cars—	119	166	174	78	74	60	56	−5.1	+32.1	116	152	+31.
Domesticcars_	119	164	174	68	72	42	55	+5.9	+30.9	97	140	+44.
Passenger Travel			1									
National parks: Visitorsnumber_	50, 101	34, 736	26, 939	50, 591	53, 319	51, 972	58, 599	+5.4	-9.0	110, 571	103, 910	-6.
Automobiles enterednumber_ Arrivals from abroad:	12,862	4, 305	3, 925	6, 679	6, 658	6, 359	6, 187	3	十7.6	12, 546	13, 337	+6.
Immigrantsnumber_ United States citizensnumber_	31, 719 50, 254	27, 758 24, 325	22, 350 18, 922	18, 146 19, 909		18, 804 16, 913	21, 695 25, 097					
Departures abroad:		5, 871	9, 085	5, 323		3, 928	3, 949					
Emigrantsnumbernumber	24, 396 8, 063	22, 612 8, 596	25, 209 8, 387	27, 126 8, 896	8, 971	21, 483 9, 053	29, 732 9, 381	+.8	-4.4		17, 867	-3.
Passports issuednumber_ Pullman company operations:	1		6, 411	1	0,011	7, 086	6, 180	1.0		10, 201	11,001	
Revenue thous, of dolls Passengers carried thousands	2,851	5, 915 2, 606	2,831	6, 963 2, 886		2, 988	2, 583					
PUBLIC UTILITIES												
Telephone companies:												
Operating revenue thous, of dolls Operating income thous, of dolls	65, 233 16, 445	65, 193 16, 006	67, 089 10, 935	66, 026 16, 783		64, 140 16, 517	61, 634 15, 329					
Telegraph companies: Commercial telegraph tolls_thous. of dolls_	10, 979	10, 238	11,016			10, 074	9, 549	11	ì	17	ì	11
Operating revenuethous, of dolls_ Operating incomethous, of dolls_	13, 648 2, 009	12, 713 1, 622	13, 747 1, 654			12, 557 1, 338	11, 873 1, 336					
Gas and electric companies: Gross earningsthous. of dolls_	177, 734	³ 182, 077	193,000	195, 535			177, 613					
Net earningsthous of dolls. Electric railways (212 companies):	65, 260	3 70, 214	78,000	80, 815		74, 377	66, 908					
Passengers carriedthous, of persons	790, 712 7. 985	771, 443 7. 999	830, 930 8. 018	814, 172	769, 974	831, 635 7, 805	756, 806 7. 841	-5.4	+1.7	1, 588, 441	1, 584, 146	
Average farecents_ Electric power production:mills. of kw. hours	6, 929	6, 874	7, 218	7, 197		6, 730	6, 081					
By water power mills. of kw. nours	2,386	2, 508	2,736	2,720		2,354	2, 196					
By fuels mills, of kw. hours. Electric power production (Canada):* Total thous, of kw. hours.	1	4,366	4, 482 1, 361, 864	4, 477 1, 317, 736		4, 376 1, 131, 212	3, 885 1, 065, 850					
By water powerthous, of kw. hours_	1, 289, 967	1, 289, 242 21, 969	1, 339, 206	1, 297, 788		. 113, 899	1, 050, 057 15, 793					
By fuels thous, of kw. hours Exported thous, of kw. hours Electric power, gross	142, 991	129, 415	130, 552	19, 900			121, 829					
revenue salesthous. of dolls	150, 800	158, 000	166, 200			162, 000	152, 300			 		
EMPLOYMENT AND WAGES												
Employment in factories:		4-0	400			400	40.					
New York State thousands. Detroit thousands.	. 192	476 196	467 205	457 224	462 233 91	486 216	491 223 100	+1.1 -4.0	-5.9 +4.5			
New Jersey rel. to 1923 Pennsylvania rel. to 1923 rel. to 1923	. 84	94 83	93 81	91 80	82	100 89	89	+2.5	-9. 0 -7. 9			
Delaware rel. to 1923. Wisconsin rel. to 1915.	117. 2	74 112. 3	112.0	111.6		80 115. 4	81 118. 7	-1.3	-8.6			1
Illinois rel. to 1922. Massachusetts rel. to 1914.	93. 7 85. 5	91. 8 84. 3	90. 8 81. 2		91. 3 81. 5	97. 8 88. 9	98. 4 90. 4	+2.7 +1.2	-7.2 -9.8			
Total pay roll: New York State (weekly)_thous. of dolls_	14, 195	13, 671	13, 830		13, 477	14, 331	14, 465	+.9	-6.8			<u> </u>
Wisconsin rel. to 1915. New Jersey rel. to 1923	262.4 102	251. 1 100	248.8	231.6		251. 2 107	274. 1 109	+2.0	-8.3			
Pennsylvania rel. to 1923 Delaware rel. to 1923 Ohio construction	85 76	84	83 81	79	85	90	94 85	17.6 0	-9.6 -10.6			
Ohio construction	. 76	77			76	83		"	-10.6	ll .		
employment rel. to 1923. Anthracite mines:	84	73	61	54		62	69					
Employment rel. to 1923-25. Pay roll rel. to 1923-25. Federal civilian employees, Wash-	3 119. 8 3 109. 4	³ 116. 6 ³ 116. 2	³ 119. 7 ³ 98. 7	³ 120. 2 ³ 98. 7	113. 4 95. 7	\$ 119.6 \$ 112.4	³ 119. 2 ³ 105. 9	-5.7 -3.0	-4.9 -9.6			
Federal civilian employees, Washington, D. C., end of monthnumber	60, 236	60, 399	60, 660	60, 743		59, 615	59, 502]
Revised.	-,	,				•	issue for pr	•				-

³ Revised.

ullet See table on p. 22 of this issue for previous data.

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The cumulatives shown are through Feb-		1927		15	128	19	27	CREASE	ENT IN- (+) OR ASE (-)	FROM J.	VE TOTAL ANUARY 1 H FEBRU-	Per c in- crease (+) or de
ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1978	creas (-) cumu lative 1928 from 1927
EMPLOYMENT AND WAGES—Con.												
Average weekly earnings, factories: Illinois	28. 59 29. 28 25. 40 231. 2 109 101 102	28. 23 28. 75 25. 39 231. 4 108 100 103	28. 15 29. 59 25. 24 232. 1 111 101 106	27. 49 29. 22 23. 60 232. 1 109 98 100	27. 17 234. 7 110 104 102	28. 23 29. 52 24. 58 228. 3 108 101 102	28. 85 29. 39 26. 06 233. 3 110 105 103	-7.0 +1.1 +.9 +6.1 +2.0	+.6			
Conference Board): Grand total (both sexes) dollars. Total male dollars. Skilled male dollars. Unskilled male dollars. Total women dollars. Average weekly hours:	27. 01 29. 35 30. 78 24. 21 17. 35	26. 72 28. 69 30. 15 23. 42 17. 32	26. 90 29. 35 30. 80 24. 12 17. 34	27. 24 29. 80 31. 22 24. 66 17. 23		27, 26 29, 57 30, 93 24, 69 17, 25	17. 38					
Nominal (both sexes) hours Actual (both sexes) hours Wages, road labor, by geographic	49. 5 47. 4	49. 4 47. 1	49. 5 47. 3	49. 5 47. 9		49. 5 48. 2	49. 5 48. 6					
divisions: New England	48 46 28 25 32 40 38 48 56 40 50	48 46 26 25 30 40 37 47 53 40 50	55 46 24 24 32 42 37 46 54 39 50	53 48 24 25 26 39 37 41 50 37 50	52 47 22 26 28 41 39 43 54 38 50	44 46 24 24 27 39 38 43 51 37 50	50 50 39 24 32 44 37 41 53 41	-1.9 -2.1 -8.3 +4.0 +7.7 +5.1 +5.4 +4.9 +8.0 +2.7	$ \begin{array}{r rrr} -6.0 \\ -43.6 \\ +8.3 \\ -12.5 \\ -6.8 \\ +5.4 \\ +4.9 \end{array} $			
Applicants per 100 jobs, employment agencies:	125. 5	128. 5	128. 5	125. 5	125. 5	133. 0	133. 0	0	-5.6			
United States number Eastern States number Central States number Southern States number Western States number	120 129 145 122 61	137 146 160 132 71	145 155 165 145 80	170 192 203 188 87	175 208 189 222 75	160 156 203 146 78	158 162 191 155 72	+2.9 +8.3 -6.9 +18.1 -13.8	+10.8 +28.4 -1.0 +43.2 +4.2			
Factory Labor Turnover												
(Percentage of number on pay roll) Departures: Total per cent (annual basis) Voluntary quits per cent (annual basis) Lay offs per cent (annual basis) Discharges per cent (annual basis) Accessions per cent (annual basis)	38. 0 25. 3 7. 7 5. 0 38. 3	30. 5 18. 2 8. 2 4. 1 34. 1	26. 5 14. 9 7. 7 3. 9 24. 8	28. 4 16. 5 7. 9 4. 0 37. 4	26. 5 13. 6 8. 6 4. 3 30. 5	41. 4 23. 4 12. 3 5. 7 35. 0	38. 8 22. 1 10. 6 6. 1 37. 3	-6.7 -17.6 +8.9 +7.5 -18.4	-31. 7 -38. 5 -18. 9 -29. 5 -18. 2			
DISTRIBUTION MOVEMENT Retail Sales									Ì			
Total sales, 4 houses	* 57, 754 50, 869 29, 302 21, 567 46, 498 2, 396 26, 032 1, 584 12, 084 12, 084 12, 084 12, 084 13, 332 217 5, 069 1, 120 1, 223 555 4, 275 4, 275 4, 275 135 2, 378 1, 224 509 1, 478 18 17, 165 8, 899 20 1, 478 18 17, 165 8, 899 6, 822 3, 143 2, 231 297	* 56, 336 51, 229 29, 847 21, 382 44, 254 2, 415 23, 731 1, 588 12, 011 427 3, 236 219 5, 272 181 1, 090 4, 140 5, 272 1, 140 5, 272 1, 1, 140 5, 272 1, 1, 140 5, 2, 275 1, 1, 185 1, 312 2, 415 1, 312 2, 275 1, 312 2, 275 2, 3, 348 2, 076 2, 276 2, 3, 3, 3, 48 2, 076 2, 276 2, 276 2, 3, 3, 48 2, 076 2, 276 2, 276 2, 276 2, 277 2, 3, 3, 3, 48 2, 2, 776 2, 276 2, 277 2, 3, 3, 48 2, 2, 776 2, 277 2, 277 2, 3, 3, 48 2, 2, 776 2, 277 2, 277 2, 277 2, 277 2, 277 2, 277 2, 3, 3, 48 2, 2, 776 2, 277	* 65, 707 59, 494 34, 486 25, 008 84, 977 2, 427 43, 897 1, 588 23, 044 435 6, 857 221 11, 182 2, 349 91 2, 267 8, 205 1, 262 1, 065 1, 262 1, 505 19 1, 505 19 21, 796 21, 796 3, 151 3, 151 3, 151 3, 233	\$41, 210 37, 465 24, 240 13, 225 31, 901 2, 431 17, 114 1, 511 8, 658 436 2, 369 221 3, 760 183 692 91 91 91 1, 235 122 2, 2, 246 1, 235 122 97 17, 722 97 19 19 7, 722 91 11, 15, 15, 15, 15, 15, 15, 15, 15, 15,	42, 529 38, 392 23, 842 14, 550 35, 363 2, 446 19, 001 1, 603 9, 320 439 2, 867 221 4, 175 91 901 63 2, 843 158 2, 187 388 2, 187 388 2, 187 5, 926 3, 113 1, 902	39, 404 36, 237 22, 080 13, 157 29, 615 2, 223 16, 117 1, 484 7, 956 370 655 851 657 44 2, 205 106 2, 337 1, 225 842 2, 242 842 842 840 5, 723 3, 1090 2, 234	38, 957 35, 150 20, 966 14, 184 231, 986 2, 244 17, 379 1, 494 8, 309 376 2, 763 3 201 3, 535 172 693 82 2, 711 48 2, 248 109 2, 319 1, 118 311 21 17, 152 1, 152 1, 152 2, 369 3, 996 2, 362	+3.2 +2.5 -1.6 +10.0 +10.9 +4.6 +11.0 +11.0 +11.0 +11.0 +11.0 +11.6 +12.6 +12.6 +12.6 +2.4 +4.5 +2.8 +2.8 +2.6 -6.8	+9.2 +9.2 +9.2 +13.7 +2.6 +10.6 +9.0 +9.3 +7.3 +12.2 +16.8 +3.8 +10.0 +18.1 +6.4 +8.5 +11.0 +26.7 +31.3 +26.5 +45.0 -5.7 +44.5 -49.0 +11.8	70, 387 43, 046 27, 341 61, 637 33, 496 16, 265 5, 049 6, 827 1, 348 4, 453 4, 856 592 1, 994 13, 828 11, 438 4, 566	83, 739 75, 857 748, 082 27, 775 67, 264 36, 115 17, 978 5, 236 7, 935 1, 444 1, 701 5, 467 4, 533 700 2, 003 16, 628 11, 488 3, 728	+6.47.+11.+1.+1.+9.+7.+10.0 +3.16.+7.+24.+226.+18.+.+10.0 +5.16.16.17.+10.0 +5.16.17.17.18.18.18.18.18.18.18.18.18.18.18.18.18.
Stores operatednumber. G. C. Murphy Co.*thous. of dolls. Stores operatednumber. Installment sales in New England department stores: Ratio to total salesper cent.	875 111	865 115	299 2,064 113	598 113	298 673 113	294 551 92 10. 5	608	7 +12. 5 0.	+1. 4 +10. 7 +22. 8	1, 159	1, 271	+9.

Revised.

 $\mbox{*}$ See p. 23 of the February, 1928, issue for earlier data.

The cumulatives shown are through Feb- ruary. Earlier data for items shown		1927		11	928	19	927	PER (E CREASE DECREA	(+) OR	FROM J.	VE TOTAL ANUARY 1 H FEBRU-	Per ct. in- crease (+) or de-
ruary. Earner data for tiems snown here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	 February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928. from Feb., 1927	1927	1928	crease (-) cumu- lative 1928 from 1927
DISTRIBUTION MOVEMENT—Con.												
Advertising												
Magazine advertising for the following month thous. of lines. Newspaper advertising thous. of lines.	2, 599 115, 472	2, 289 108, 671	1,811 106,430	2, 176 95, 545	2, 517 89, 023	2, 210 97, 610	2, 441 3 90, 886	+15.7 -6.8	+3. 1 -2. 0	4 6, 472 188, 496	4 6, 504 184, 568	+. 5 -2. 1
Postal Business												
Postal receipts, 50 selected												
citiesthous. of dolls_ostal receipts, 50 industrial	32, 450	32, 799	40, 823	30, 579	30, 547	30, 394	29, 299	1	+4.3	59, 693	61, 126	+2.4
citiesthous. of dolls_ Money orders:	3, 395	3, 331	4, 448	3, 438	3, 482	3, 317	3, 284	+1.3	+6.0	6, 601	6, 920	+4.8
Domestic paid (50 cities)— Quantity———————————————————————————————————	11, 659 76, 574	11, 954 97, 863	13, 516 102, 259	10, 468 78, 220	10, 633 78, 921	10, 576 80, 473	10, 276 77, 680	+1.6 +.9	+3.5 +1.6	20, 852 158, 153	21, 101 157, 141	+1. 2 6
Quantitynumber	3, 363 35, 147	3, 381 34, 860	3, 759 37, 452	3, 416 34, 117	3, 341 33, 083	3, 303 34, 001	3, 158 32, 240	-2. 2 -3. 0	+5.8 +2.6	6, 461 66, 241	6, 757 67, 200	+4.6 +1.4
BANKING AND FINANCE						,				,		
Life Insurance			1									
(Association of Life Insurance Presidents)								,				
Policies, new (45 companies):				}								
Ordinarynumber of policies Industrialnumber of policies Groupnumber of contracts Totalnumber of policies and contracts Policies and certificates issued:	212, 924 992, 140 148	203, 629 940, 847 208	256, 546 783, 539 491 1, 040, 576	183, 511 901, 786 125 1, 085, 422	212, 120 846, 745 175 1, 059, 040	187, 460 679, 290 192 866, 942	205, 604 767, 121 176 972, 901	+15.6 -6.1 +37.8 -2.4	+3. 2 +10. 4 6 +8. 9	393, 064 1, 446, 411 368	395, 631 1, 748, 531 300 2, 144, 462	+. 7 +20. 9 -18. 5
Policies and certificates issued: Total policies and certificatesnumber	1, 228, 861	1, 144, 684	1, 164, 208	1, 111, 705	1, 112, 665	918, 717	1, 005, 177	+.1	+10.7	1, 839, 843 1, 923, 894	2, 144, 402	+16.6 +15.6
Amount of new insurance (45 companies):	23, 797	27, 928	124, 123	26, 408	53, 800	51, 967	32, 452	+103.7	+65.8	84, 419	80, 208	-5.0
Ordinary thous of dolls Industrial thous of dolls Group thous of dolls Total insurance thous of dolls	615, 753 265, 974 48, 625 930, 352	582, 000 252, 738 76, 960 911, 698	725, 847 211, 076 165, 025 1, 101, 948	575, 127 236, 303 46, 841 858, 271	651, 037 221, 948 91, 505 964, 490	576, 642 185, 292 94, 445 856, 379	625, 988 207, 217 46, 119 879, 324	+13.2 -6.1 $+95.4$ $+12.4$	+4.0 +7.1 +98.4 +9.7	1, 202, 630 392, 509 140, 564 1, 735, 703	1, 226, 164 458, 251 138, 346 1, 822, 761	+2.0 +16.7 -1.6 +5.0
Premium collections (45 companies): Ordinary thous. of dolls. Industrial thous. of dolls.	140, 041 49, 272	145, 581 48, 273	168, 114 89, 926	148, 947 54, 564	154, 292 48, 193	135, 395 45, 920	135, 969 43, 286	+3.6 -11.7	+13. 5 +11. 3	271, 364 89, 206	303, 239 102, 757	+11.7 +15.2
Group thous. of dolls thous. of dolls thous. of dolls	5, 792 195, 105	4, 862 198, 716	6, 448 264, 488	7, 618 211, 129	17, 623 220, 108	7, 065 188, 380	4, 803 184, 058	+131.3 +4.3	+266. 9 +19. 6	11, 868 372, 438	25, 241 431, 237	+112.7 +15.8
Admitted life insurance assets (41 companies): Grand totalmills. of dolls. Mortgage loans—	11,381	11, 484				10, 529	10, 606					
Total mills. of dolls. Farm mills, of dolls.	4, 982 1, 621	5, 019 1, 620				4, 587 1, 592	4, 637 1, 599					
All othermills. of dolls Bonds and stocks (book value)— Totalmills. of dolls_	3, 361 4, 262	3, 399 4, 323	ì			2, 995 3, 987	3, 038 4, 002					
Government mills, of dolls Railroad mills, of dolls.	928 2, 268	940 2, 287				919 2, 173	918 2, 173					
Public-utilitymills. of dolls. All othermills. of dolls.	911 155	942 154				764 131	775	1		 		
Policy loans and premium mills, of dolls.	1,347	1,358				1, 240	1 252					
(Life Insurance Sales Research Bureau)	1,047	1,000				1, 240	1, 202					
Calas of audimous life improves (O1 communical)											ļ	
United States totalthous, of dolls	659, 375 257, 543	662, 688 254, 111	833, 944	609, 228 261, 893	731, 145 318, 664	601, 985 257 734	673, 855 293, 294	+20.0 +21.7	+8.5 +8.7	1, 275, 840	1, 340, 373 580, 557	+5.1 +5.4
United States total	148, 380 103, 663	150, 447 106, 310	316, 931 188, 770 131, 530	130, 338 90, 662	160, 185	257, 734 133, 912 86, 167	145, 932	: +22 U	+9.8	551, 028 279, 844 181, 853 143, 370 119, 745	290, 523 195, 473	+3.8
Southern districtthous, of dolls Far western districtthous, of dolls	82, 706 67, 083	84, 189 67, 631	113, 184 83, 529	68, 847 57, 483	81, 213 66, 272 40, 290	66, 112 58, 060	95, 686 77, 258 61, 685	+15.6 +18.0 +15.3	+9.8 +9.5 +5.1 +7.4	143, 370 119, 745	150, 060 123, 755	+3.8 +7.5 +4.7 +3.3
Canada total, 15 companies_thous. of dolls_	48, 104	44, 935	48, 899	47, 569	40, 290	36, 986	35, 525	-15.3	+13.4	72, 511	87, 859	+21. 2
Banking											[]	
Check payments: New York Citymills. of dolls_ Outside New York Citymills. of dolls_	34, 091 25, 117	33, 282 23, 809	38, 938 26, 509	37, 884 25, 007	32, 740 21, 757	31, 258 23, 457	27, 439 20, 781	-13.6 -13.0	+19.3 +4.7	58, 697 44, 238 2, 705	70, 624 46, 764	+20.3 +5.7
Canadamills, of dolls Federal reserve banks:	1,849	2, 159	2, 311	1,871	1,665	1, 454	1, 251	-11.0	+33.1	2, 705	3, 536	+30.7
Bills discountedmills. of dolls_ Notes in circulationmills. of dolls_	379 1,717	1,717	1,813	423 1,577	493 1, 588	365 1, 688	435 1,717	+16.5 +.7 -7.4	+13.3 -7.5			
Total investments mills. of dolls. Total reserve mills of dolls.	862 3,067	903 2, 940	990 2, 862	812 2, 971	2, 974	3, 133	602 3, 144	+.1	+24.9 -5.4			
Total depositsmills. of dolls_ Reserve ratioper cent_	2, 404 74. 4	2, 413 71. 2	2, 473 66, 8	2, 452 73. 7	2, 426 74. 1	2, 245 79. 6	3, 290 78. 5	-1.1 + .5	-26.3 -5.6			
Federal reserve member banks: Total loans and discountsmills. of dolls	15, 029	15, 214	15, 433	15, 265	15, 143	14, 200	14, 297	8	+5.9			
Total investments mills. of dolls. Net demand deposits mills. of dolls. Brokers' loans, end of month: To New York Stock	6, 065 13, 464	6, 329 13, 954	6, 386 13, 786	6, 575 13, 888	6, 558	5, 540 12, 879	5, 662 12, 904	3 -1.2	+15.8 +6.3			
Exchange members mills. of dolls. By New York F. R. member	3, 946	4, 092	4, 433	4, 420	4, 323	3, 139	3, 256	-2.2	+32.8			

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The cumulatives shown are through February. Earlier data for items shown		1927		15	928	19	27	CREASE	ENT IN- C(+) OR ASE (-)	FROM J	VE TOTAL ANUARY 1 H FEBRU-	Per ci in- crease (+) or de crease
here may be found on pages 24 to 138 of the February, 1928, "Survey"	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) eumt lative 1928 from 1927
BANKING AND FINANCE—Continued Banking—Continued												
Interest rates: New York call loans	4. 03 3. 97 3. 50 5. 17 4. 50	3. 75 3. 92 3. 50 5. 17 4. 50	4. 44 3. 97 3. 50 5. 15 4. 50	4. 35 3. 88 3. 50 5. 15 4. 50	4, 20 4, 03 4, 00 5, 00 4, 58	4. 28 4. 13 4. 00 5. 21 4. 50	4. 13 3 3. 87 4. 00 5. 21 4. 50	-3.4 +3.9 +14.3 -2.9 +1.8	+1.7 +4.1 0 -4.0 +1.8			
Savings Deposits												
New York State savings banks, end of monthmills. of dolls	4, 083	4, 096	4, 164	4, 189	4, 200	3, 889	3, 903	+.3	+7.6			
Public Finances Government debt, grossmills. of dolls	18, 369	18, 174	18, 036	18, 050	17, 951	19, 170	19, 153	5	-6.3			
Customs receipts thous. of dolls. Total ordinary receipts thous. of dolls. Expenditures chargeable to ordinary receipts thous. of dolls.	56, 617 221, 205 413, 220	47, 660 149, 683 406, 830	43, 113 652, 708 354, 178	41, 975 168, 840 349, 142	42, 130 228, 118 173, 283	44, 695 169, 583 304, 254	43, 379 165, 735 158, 506	+. 4 +35. 1 -50. 4	-2.9 +37.6 +9.3	88, 074 335, 318 462, 760	84, 105 396, 958 522, 425	$ \begin{array}{c c} -4. \\ +18. \\ +12. \end{array} $
Business Failures	410, 220	100,000	001,110	013, 112	170, 200	301, 201	100,000	-00.4	7-8.0	402,700	022, 420	T12.
Liabilities (United States): Total commercialthous. of dolls	36, 236	36, 147	51, 262	47, 634	45, 071	51, 290	46, 941	-5.4	-4.0	98, 231	92, 705	-5.
Manufacturing establishmentsthous, of dolls Trade establishmentsthous, of dolls Agents and brokersthous, of dolls Liabilities (Canada)thous, of dolls	17, 134 14, 657 4, 445 2, 157	12, 786 16, 949 6, 412 2, 531	29, 024 16, 733 5, 305 2, 914	14, 871 26, 446 6, 318 5, 382	12,751 24,952 7,367 3,991	19, 996 24, 530 6, 764 2, 954	10, 518 23, 406 13, 017 3, 213	$ \begin{array}{r r} -14.3 \\ -5.6 \\ +16.6 \\ -25.8 \end{array} $	+21. 2 +6. 6 -43. 4 +24. 2	30, 514 47, 936 19, 781 6, 167	27, 622 51, 398 13, 685 9, 373	-9. +7. -30. +52.
Firms (United States): Total commercialnumber Manufacturing	1, 787	1,864	2, 162	2, 643	2, 176	2, 465	2, 035	-17.7	+6.9	4, 500	4, 819	+7.
establishments number. Trade establishments number. Agents and brokers number. Firms (Canada) number.	488 1, 170 129 173	1, 276 110 162	597 1, 430 135 184	553 1, 946 144 360	1,581 127 210	1,842 122 221	1,508 116 189	-15.4 -18.8 -11.8 -41.7	+13.9 +4.8 +9.5 +11.1	912 3, 350 238 410	1, 021 3, 527 271 570	+12. +5. +13. +39.
Dividend and Interest Payments												
(For the following month)												
Grand totalthous. of dolls Interest paymentsthous. of dolls Dividend payments:	321, 800 227, 100	490, 675 331, 175	750, 200 460, 600	333, 000 176, 000	428, 900 258, 750	307, 450 155, 000	3 421, 470 251, 620	+28.8 +47.0	+1.8 +2.8	41, 406, 670 4 807, 530	4 1, 512, 100 4 895, 350	+7. +10.
Total thous of dolls. Industrial and mise thous of dolls. Steam railroads thous of dolls. Street railways thous of dolls.	94, 700 48, 800 33, 500 12, 400	159, 500 119, 700 24, 050 15, 750	289, 600 179, 800 33, 800 21, 000	157, 000 114, 300 33, 100 9, 600	170, 150 129, 050 34, 600 6, 500	152, 450 112, 700 31, 650 8, 100	\$ 169, 850 \$ 130, 100 \$ 33, 850 \$ 5, 900	+8.4 +12.9 +4.5 -32.3	+.2 8 +2.2 +10.2	4 589, 100 4 408, 000 4 96, 400 4 33, 200	4 616, 750 4 423, 150 4 101, 500 4 37, 100	+4. +3. +5. +11.
New Security Issues												
Foreign governmentsthous. of dolls Total corporationthous. of dolls Purpose of issue—	125, 623 734, 081	35, 800 617, 554	67, 547 852, 064	79, 808 573, 573	117, 351 612, 696	52, 383 610, 035	74, 670 785, 649	+47.0 +6.8	+57. 2 -22. 0	127, 053 1, 395, 684	197, 159 1, 186, 269	+55. -15.
New capital thous, of dolls Refunding thous, of dolls.	574, 380 159, 701	403, 365 214, 190	588, 591 263, 472	408, 545 165, 028	411, 352 201, 344	507, 503 102, 532	540, 588 245, 061	+.7 +22.0	-23.9 -17.8	1, 048, 091 347, 593	819, 897 366, 372	-21. +5.
Kinds of issue— Stocks————————————————————————————————————	134, 568 599, 513	121, 198 496, 356	273, 591 578, 473	138, 545 435, 028	126, 857 485, 840	108, 511 501, 524	277, 978 507, 671	-8.4 +11.7	-54.4 -4.3	386, 489 1, 009, 195	265, 402 920, 868	-31. -8.
Class of industry— Railroads————————————————————————————————————	32, 550 311, 832 113, 368	16, 796 252, 482 180, 038	73, 686 517, 412 54, 938	78, 222 210, 155 118, 902	74, 216 262, 825 93, 570	9, 346 309, 084 106, 350	131, 872 374, 775 150, 115	$ \begin{array}{r} -5.1 \\ +25.1 \\ -21.3 \end{array} $	-43.7 -29.9 -37.7	141, 218 683, 859 256, 465	152, 438 472, 980 212, 472	+7. -30. -17.
Oilthous. of dolls_ Land and buildingsthous. of dolls_ Shipping and misethous. of dolls_	42, 000 73, 729 160, 603	8, 200 42, 730 117, 309	42,000 58,225 105,803	2, 200 78, 741 74, 331	20, 675 48, 038 112, 672	68, 588 74, 381 40, 286	2, 700 55, 763 70, 424	+839.8 -39.0 +51.6	+665.7 -13.9 +60.0	71, 288 130, 144 110, 710	22, 875 126, 779 187, 003	-67. -2. +68.
Bond issues (Canada): Govt. and provincialthous. of dolls. Municipalthous. of dolls. Corporationthous. of dolls.	24, 045 3, 828 74, 936	58, 540 10, 532 24, 260	2, 500 11, 340 5, 858	4, 000 415 9, 396	5, 000 1, 560 3, 185	35, 611 13, 998 7, 494	640 1, 842 13, 000	+25. 0 +275. 9 -66. 1	+681. 2 -15. 3 -75. 5	36, 251 15, 840 20, 494	9, 000 1, 975 12, 581	-75. -87. -38.
Tax-exempt securities: Total outstanding, end of month*mills. of dolls	16, 060	16, 142	³ 16, 205	³ 16, 278	16, 342	15, 311	³ 15, 437	+.4	+5.9	 		
States and municipalities: Permanent loansthous, of dolls Temporary loansthous, of dolls New incorporationsthous, of dolls	124, 759 69, 561 243, 998	\$ 105, 067 \$ 26, 575 225, 803	² 117, 903 ³ 44, 248 235, 021	103, 479 73, 320	128, 065 14, 328	174, 675 30, 476 739, 730	72, 681 121, 867 942, 925	+23. 8 -80. 5	+76. 2 -88. 2	247, 356 152, 343	231, 544 87, 648	6. 42.
Agricultural Finances	, , , , , ,	, , , , , ,				,,	,					
Loans outstanding, end mo.: Federal farm loan banksthous. of dolls Joint-stock land banksthous. of dolls	1, 147, 135 610, 050	1, 150, 943 607, 891	1, 155, 644 607, 477	1, 158, 717 608, 798	609, 984	1, 085, 170 639, 651	1, 097, 642 647, 762	+. 2	-5.8			
Federal intermediate credit banksthous. of dolls_ War Finance Corporation_thous. of dolls_	66, 885	71, 815 1, 800	75, 915 1, 362	74, 888 1, 244	1, 226	93, 013 7, 310	82, 424 6, 815	-1.4	-82.0			

The cumulatives shown are through Feb- ruary. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	1927			1928		1927		PER CENT IN- CREASE (+) OR DECREASE (-)		CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28			
	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	(-) cumu- lative 1928 from 1927	
BANKING AND FINANCE—Continued Stocks and Bonds													
Stock prices, average daily closing:													
25 Industrials, averagedolls. per share 25 railroads, averagedolls. per share 103 stocks, averagedolls. per share Southern cotton mill	233, 36 117, 84 130, 15	237. 84 120. 04 142. 63	242. 50 119. 68 144. 26	242. 25 118. 29 142. 13	239. 32 115. 20 139. 30	175, 39 101, 55 115, 29	181. 06 105. 66 119. 69	-1. 2 -2. 6 -2. 0	+32. 2 +9. 0 +16. 4				
stocksdolls. per share Stock prices, average weekly closing:	111. 31	111. 94	112.36	112. 25	111. 73	109. 72	110. 36	5	+1.2	il .		1)	
Total stocks (229) rel. to 1917-21. Raliroads (31) rel. to 1917-21. Industrials (198) rel. to 1917-21. Automobile (10) rel. to 1917-21. Chain stores (11) rel. to 1917-21. Copper (11) rel. to 1917-21. Food (9) rel. to 1917-21. Machinery manufactur-	186. 1 157. 6 197. 6 355. 8 573. 6 128. 0 389. 1	189. 4 158. 6 202. 1 353. 5 598. 4 136. 3 406. 6	194. 6 160. 6 208. 7 366. 5 601. 0 150. 5 432. 1	195. 2 158. 2 210. 4 369. 8 582. 3 150. 5 430. 6	191. 9 153. 7 207. 6 372. 9 565. 0 148. 5 425. 8	153. 5 136. 9 160. 2 226. 6 417. 0 116. 0 310. 2	156. 9 142. 1 163. 0 233. 4 422. 3 115. 3 314. 8	-1.7 -2.8 -1.3 +.8 -3.0 -1.3 -1.1	+22. 3 +8. 2 +27. 4 +59. 8 +33. 8 +28. 8 +35. 3				
ing (5) rel. to 1917-21. Petroleum (17) rel. to 1917-21. Railroad equipment (10) rel. to 1917-21. Steel (9) rel. ro 1917-21. Textile (5) rel. to 1917-21. Theater (3) rel. to 1917-21. Tire and rubber (7) rel. to 1917-21. Tobacco (7) rel. to 1917-21. Traction, gas and power (16) rel. to 1917-21.	109. 6 104. 0 203. 8 153. 1 43. 9 173. 4 55. 4 208. 7 267. 2	111. 5 107. 5 207. 9 152. 0 45. 1 174. 1 55. 8 226. 7 274. 6	117. 8 106. 4 218. 4 159. 3 44. 4 178. 7 62. 1 225. 5 283. 9	122. 3 107. 4 231. 6 159. 1 46. 6 178. 6 64. 7 220. 5 294. 8	125. 6 101. 9 225. 3 154. 5 47. 5 180. 3 58. 7 209. 2 309. 9	94. 1 110. 5 176. 3 123. 6 41. 5 167. 5 47. 0 167. 8 218. 6	96. 9 112. 3 185. 2 125. 3 40. 0 175. 9 50. 2 167. 3 217. 8	+2.7 -5.1 -2.7 -2.9 +1.9 +1.0 -9.3 -5.1 +5.1	+29.6 -9.3 +21.7 +23.3 +18.8 +2.5 +16.9 +25.0 +42.3				
Stock sales: N. Y. Stock Exchangethous. of shares	50, 459	51, 356	62, 367	56, 963	47, 165	34, 757	44, 163	-17. 2	+6.8	78, 920	104, 128	+31.9	
Bond sales: Miscellaneous	258, 112 13, 187 271, 299	261, 540 20, 205 281, 745	267, 918 23, 916 291, 834	269, 374 20, 864 290, 238	222, 644 16, 611 239, 255	326, 065 25, 349 351, 414	282, 405 15, 288 297, 693	-17.3 -20.4 -17.6	-21. 2 +8. 7 -19. 6	608, 470 40, 637 649, 107	492, 018 37, 475 529, 493	-19. 1 -7. 8 -18. 4	
Bond prices: Highest-grade rails_p. ct. of par, 4% bond_ Second-grade rails_p. ct. of par, 4% bond_ Public utilityp. ct. of par, 4% bond_ Industrialp. ct. of par, 4% bond_ Comb. price indexp. ct. of par, 4% bond_	96. 11 87. 24 79. 00 79. 93 85. 05	97. 23 87. 87 79. 14 79. 86 85. 43	97. 20 88. 57 79. 55 80. 82 85. 98	97. 04 88. 75 79. 66 81. 28 86. 15	96, 50 88, 61 80, 03 81, 33 86, 13	91. 97 83. 52 76. 66 79. 51 82. 52	91, 51 83, 29 76, 32 79, 32 82, 23	6 2 +.5 +.1	+5.5 +6.4 +4.9 +2.5 +4.7	II			
Bond prices, 1st of following month: 5 Liberty bondsp. ct. of par 16 foreign government and	103. 92	106. 53	106, 02	105. 94	105. 96	103. 31	103, 37	0	+2.5				
cityp. ct. of par_ Comb. price index, 66 bonds_p. ct. of par_ Bond yields:	104. 65 101. 59	105. 46 102. 43	105. 60 102. 46	105. 90 102. 60	105. 92 102. 41	105, 23 100, 38	104. 84 100. 27	0 2	+1.0 +2.1				
Railroads (15) per cent. Industrials (15) per cent. Utilities (15) per cent. Municipal (15) per cent. Municipal bond yield (20) per cent.	4. 24 4. 79 4. 75 3. 93 3. 95	4. 19 4. 79 4. 76 3. 93 3. 93	4. 17 4. 79 4. 72 3. 90 3. 87	4. 13 4. 76 4. 68 3. 89 3. 87	4. 20 4. 79 4. 65 3. 89 3. 87	4, 42 4, 87 4, 81 4, 04 4, 08	4. 41 4. 85 4. 82 4. 04 4. 08	+1.7 +.6 6 0	-4.8 -1.2 -3.5 -3.7 -5.1				
Long-term real-estate bonds issued: Grand totalthous. of dolls Purpose of issue—	59, 092	27, 131	52, 322	61, 167	39, 840	67, 960	48, 798	-34, 9	-18.4	116, 758	101, 007	-13. 5	
Finance constructionthous. of dolls Real-estate mortgagethous. of dolls Acquisitions and	35, 819 10, 523	12, 460 5, 241	24, 270 11, 207	32, 759 12, 900	14, 085 2, 710	36, 767 17, 480	17, 443 9, 630	-57. 0 -79. 0	-19.3 -71.9	54, 210 27, 110	46, 844 15, 610	-13. 6 -42. 4	
improvementsthous, of dolls_ Kind of structure— Office and other	525	1,850	5, 115	6, 533	12, 175	6, 663	14, 700	+86.4	-17.2	21, 363	18, 708	-12.4	
commercial thous, of dolls. Hotels thous of dolls. Apartments thous of dolls.	21,980 3,845 11,519	9, 155 2, 660 2, 226	16,055 3,790 7,025	29,000 650 4,309	22, 415 700 1, 910	23, 295 4, 050 11, 827	18,708 925 3,780	-22.7 +7.7 -55.7	+19.8 -24.3 -49.5	42, 003 4, 975 15, 607	51,415 1,350 6,219	+22. -72.9 -60.2	
Gold: Gold:													
Domestic receipts at mintfine ounces- Rand output	97, 103 856 2, 056 10, 698 4, 541	91, 840 848 2, 082 55, 266 4, 451	75, 575 851 10, 431 3 77, 849 8 4, 379	73, 624 * 844 38, 320 52, 086 * 4, 373	72, 119 816 14, 686 25, 776 4, 359	80, 777 840 59, 355 14, 890 4, 564	65, 999 779 22, 309 2, 414 4, 586	-2. 0 -3. 3 -61. 7 -50. 5 3	+9.3 +4.7 -34.2 -4.9	146,776 1,619 81,664 17,304	145, 743 1, 660 53, 006 77, 862	7 +2. 8 -35. 1 +350. 0	
Production— United States thous, of fine oz. Canada thous, of fine oz. Mexico thous, of fine oz.	4, 980 1, 696 8, 273	5, 010 1, 739 10, 794	5, 015 1, 723 8 9, 000	³ 4, 980 ³ 1, 433	4, 504 1, 192	5, 196 1, 459 8, 559	4, 979 1, 733 6, 930	-9.6 -16.8	-9.5 -31.2	10, 175 3, 192	9, 484 2, 625	-6. 8 -17. 8	
Stocks, end of month— United States thous. of fine oz— Canada thous. of fine oz— Imports thous. of dolls— Exports thous. of dolls— Price at New York dolls, per fine oz—	178 494 5, 069 5, 945 . 560	136 567 5, 102 5, 634 . 575	353 608 3,770 7,186 .580	574 1, 141 6, 305 6, 692 571	170 547 4,658 7,479	700 1,300 5,151 7,388 .558	207 391 3, 849 6, 233 . 579	-70. 4 -52. 1 -26. 1 +11. 8 2	-17. 9 +39. 9 +21. 0 +20. 0 -1. 6	9, 000 13, 621	10, 963 14, 171	+21. 8 +4. (
FOREIGN EXCHANGE RATES													
Europe: England	4. 87 . 039 . 055 . 139 . 402 . 269 . 193	4. 87 . 039 . 055 . 140 . 404 . 269 . 193	4. 88 . 039 . 054 . 140 . 404 . 270 . 193	4. 88 . 039 . 053 . 139 . 403 . 269	4. 87 . 039 . 053 . 139 . 403 . 268 . 192	4. 85 . 040 . 043 . 139 . 400 . 267 . 193	4. 85 . 039 . 043 . 139 . 400 . 267 . 192	2 0 0 0 0 4 5	+. 4 0 +23. 3 0 +. 8 +. 4				

The cumulatives shown are through February. Earlier data for items shown here may be found on pages 24 to 138 of the February, 1928, "Survey"	1927			1928		1927		PER CENT IN- CREASE (+) OR DECREASE (-)		CUMULATIVE TOTAL FROM JANUARY 1 THROUGH FEBRU- ARY 28		crease (+) or de
	October	Novem- ber	Decem- ber	January	February	January	February	Feb., 1928, from Jan., 1928	Feb., 1928, from Feb., 1927	1927	1928	creas (-) cumu lative 1928 from 1927
FOREIGN EXCHANGE RATES—Con.						- 						1021
Asia: Japandolls. per yen	. 466	. 460	. 462	. 469	. 469	. 488	. 488	0	-3.9			
Indiadolls. per rupee	. 364	. 365	. 367	. 367	. 365	. 364	. 363	5	+.6			ii .
Canada dolls. per Canadian doll- Argentina dolls. per gold peso- Brazil dolls. per milreis Chile dolls per paper peso-	1. 001 . 972 . 119 . 122	1. 001 . 971 . 119 . 122	. 999 . 972 . 120 . 122	. 998 . 971 . 120 . 122	. 998 . 971 . 120 . 122	. 998 . 939 . 117 . 120	. 998 . 947 . 118 . 120	0 0 0	0 +2.5 +1.7 +1.7			
U. S. FOREIGN TRADE												
Imports		044.00										
Grand total thous. of dolls grand divisions: Europe—	355, 744	344, 267		3 337, 954	351, 151	356, 841	3 310, 877	+3.9	+13.0	667, 718	689, 105	+3.
Total thous. of dolls. France thous. of dolls.	123, 659 18, 297	115, 910 15, 460	103, 383 13, 224	97, 019 12, 107		100, 140 12, 572 15, 908	³ 91, 340 14, 195					
Germanythous. of dolls_ Italythous. of dolls_ United Kingdomthous. of dolls_	20, 846 11, 369 33, 119	18, 401 10, 697 33, 841	15, 511 8, 727 29, 063	15, 855 8, 681 23, 088		9, 011 21, 428	13, 246 3 6, 713					
North America— thous, of dolls	•84, 752	81, 578	76, 485	76, 320		71, 993	3 25, 693 79, 946		1 1	i		II.
Canadathous. of dolls South America—	44, 670	45, 113	40, 553	37, 042		37, 563	31, 972	ĺ	1		1	
Total thous. of dolls. Argentina thous. of dolls. Asia and Oceania—	43, 268 8, 536	44, 945 8, 296	47, 529 6, 413	47, 185 6, 736		45, 007 7, 542	³ 43, 977 6, 700					
Total thous, of dolls Japan thous, of dolls.	98, 994 33, 973	95, 704 25, 639	93, 565 34, 229	107, 516 31, 999		128, 911 37, 188	³ 89, 161 23, 264					
Africa, totalthous, of dolls	5, 071	6, 129	10, 275	9, 573		10, 790	6, 453					
Crude materials thous. of dolls Foodstuffs, crude, and	119, 220	118, 394	122, 507	³ 133, 402	130, 900	153, 113	3 114, 883	-1.9	+13.9	267, 996	264, 302	-1
food animals thous. of dolls Manufactured foodstuffs thous. of dolls Semimanufactures thous. of dolls Finished manufactures thous. of dolls	44, 194 41, 347 67, 807	49, 145 36, 123 60, 091	51, 504 28, 227 59, 037	3 48, 300 3 28, 725 3 61, 227	47, 545 36, 194 64, 303	44, 081 26, 947 65, 974	3 42, 725 3 39, 815 3 52, 051	$ \begin{array}{r} -1.6 \\ +26.0 \\ +5.0 \end{array} $	+11.3 -9.1 $+23.5$	86, 806 66, 762 118, 025	95, 845 64, 919 125, 530	$\begin{vmatrix} +10 \\ -2 \\ +6 \end{vmatrix}$
Exports	83, 173	80, 512	69, 960	³ 66, 299	72, 209	66, 726	³ 61, 402	+8.9	+17.6	128, 128	138, 508	+8
Grand total including												
reexportsthous. of dolls_ By grand division: Europe—	488, 643	461, 018	407, 617	410, 420	373, 000		³ 372, 438	-9.1	+. 2	791, 840	783, 420	-1
Total thous of dolls France thous of dolls	254, 462 29, 050	241, 169 28, 542	207, 088 23, 127	207, 314		211, 038 20, 302	3 174, 360 13, 507					
Germanythous. of dolls_ Italythous. of dolls_ United Kingdomthous. of dolls_	62, 637 14, 494 89, 958	58, 657 14, 926 79, 197	43, 848 15, 907 72, 498	42, 331 14, 530 74, 392		40, 257 13, 238 89, 819	35, 762 9, 881					:
North America— Total thous, of dolls	114, 543	106, 391	90, 748	87, 325		88, 054	³ 70, 461 87, 250			4	i	lì
. Canadathous. of dolls_ South America—	3 80, 682	69, 991	56, 708	54, 184		50, 718	53, 984		l i			
Totalthous. of dolls_ Argentinathous. of dolls_ Asia and Oceania—	32, 719 13, 640	39, 725 15, 381	37, 396 15, 025	34, 803 12, 579		44, 584 15, 355	31, 995 3 10, 532					
Totalthous. of dollsthous. of dolls	77, 031 33, 711	64, 726 27, 814	61, 923 23, 212	72, 164 26, 024		66, 046 22, 700	³ 71, 304					
Africa, total thous. of dolls. Cotal domestic exports only thous. of dolls.	9, 888 480, 428	9, 007 452, 868	10, 462 398, 344	8, 814 8 401, 945	362, 685	9, 680 411, 649	³ 22, 971 ³ 7, 528 ³ 364, 385			776, 034	764, 630	<u>-</u> 1
By classes of commodities: Crude materialsthous. of dolls	160, 282	145, 889	117, 574	112, 062	95, 292	122, 510	3 102, 811	-15.0	-7.3	225, 321	207, 354	-8
Foodstuffs, crude, and food animalsthous. of dolls.	62, 425	46, 723	23, 303	18, 077	13, 307	24, 406	3 18, 758	-26.4	-29.1	43, 164	31, 384	-27
Manufactured foodstuffsthous. of dolls Semimanufacturesthous. of dolls Finished manufacturesthous. of dolls	45, 643 55, 001 157, 077	42, 398 56, 140 161, 722	42, 057 59, 612 155, 798	43, 296 3 63, 843 3 164, 667	39, 483 55, 762 158, 841	41, 016 61, 339 162, 379	3 38, 522 3 53, 120 3 151, 174	-8.8 -12.7 -3.5	+2.5 +5.0 +5.1	43, 164 79, 538 114, 459 313, 553	82, 779 119, 605 323, 508	+4 +4 +3
Agricultural exports (quantities): All commoditiesrel. to 1910-14	185	161, 722	133, 738	113	130, 041	102, 379	130	0. 0	70.1	919, 003	020, 000	7-0
All commodities except cottonrel. to 1910-14	218	187	133	127		140	116					
CANADIAN FOREIGN TRADE												
Fotal rade: Importsthous. of dolls	93, 936	94, 312	83, 263	79, 506	86, 007	78, 806	74, 707	T6 2	⊥ 15 1	152 519	165 519	
Exports thous. of dolls	105, 821	155, 521	132, 189	79, 506 84, 428	90, 387	85, 266	79, 803	+8. 2 +7. 1	+15. 1 +13. 3	153, 513 165, 069	165, 513 174, 815	+7 +5

³ Revised.

PUBLICATIONS OF THE DEPARTMENT OF COMMERCE

residue of the Department of Commerce having the most direct interest to readers of the Survey of Current at the publications, A complete list may be obtained by addressing the Division of Publications, Department of Commerce of the publications may be purchased from the Superintendent of Documents, Government Printing of the prices stated. If no price is mentioned, the publication is distributed free.

FACE OF THE SECRETARY

Double-ended Open Type) Sizes and some compiled and promulgated by America Committee. American Marine Stand-pages, charts. Price, 5¢.

Erric Buscin, Rebruary, 1928. 26 pages. Issued to the Division of the Department of Committee of the Committe

Table current data. 59 pages, paper, price satisfies, 1925. Part I.—This report contains at rate sables and general tables for the deathers in centinental United States, with supplemental tables and the Virgin Islands. 466

EOMMERCE

his directi may also be purchased from the bureau or ita district offices)

is a manufact of foreign Commerce of United States, I and II. Part I contains statistics of it deside merchandise, and imports by articles for last 18, and for 6 months ended December, II contains summaries of export and a veryage import and export prices; states in a state of the state of

BUREAU OF STANDARDS

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United States Government Master Specifications.—These specifications for the purchase of materials for the use of Government departments are issued as circulars of the Bureau of Standards. Those listed below by circular number may be obtained at 5 cents each:

No. 111. Paint, Lithopone, Interior White and Light Tints, Flat or Eggshell Finish (Semipaste and Ready-mixed). 12 pages. No. 139. Cells and Batteries, Dry. 10 pages.

Technical News Bulletin, February, 1928. 28 pages. Contains items describing the laboratory activities of the Bureau and a list of publications issued during the preceding month. Annual subscription, 25¢.
Same, March, 1928. 44 pages.

BUREAU OF FISHERIES

Bulletin of United States Bureau of Fisheries, vol. xliii, 1927. Part I. ii+366 pages, illustrations, plates, map. This volume treats of the fishes of Chesapeake Bay, giving a description of every species. Price, \$1.50.
Containers and Packages Used in Shipping Shucked Oysters,

by Gerald Arthur Fitzgerald. Economic Circular No. 62; 16 pages, 5 illustrations. This circular gives the results of a survey of shipping practices for oysters, with recommendations for improvements in the methods now used. Price, 56.

BUREAU OF MINES

Analyses of Oklahoma Coals.—Technical Paper 411; vi + 62

pages, 1 illustration. Price, 10¢.

Methods of Dealing with Paraffin Troubles Encountered in

Methods of Dealing with Paraina Troubles Encountered in Producing Crude Oil, by C. E. Reistle, jr. Technical Paper 414; iv+39 pages, 3 illustrations, 6 pages of plates. Price, 15¢. Electric-furnace Cast Iron, by C. E. Williams and C. E. Sims. Technical Paper 418; iv+48 pages, 10 illustrations. Study by Bureau of Mines in cooperation with the College of Mines of the University of Washington. Price, 10¢.

BUREAU OF NAVIGATION

American Documented Seagoing Merchant Vessels of 500 American Documented Seagoing Merchant Vessels of 500 Gross Tons and Over, February, 1928. ii+63 pages. Published monthly. Single copies, 10¢; annual subscription, 75¢. Merchant Marine Statistics, 1927. iv+75 pages. Lists of American documented vessels, showing tonnage, customs district and port in which registered, number built in United States, and number of foreign built admitted to American registry. Included are tables showing tonnage taxes collected, number and nationality of seamen on American ressels, and average monthly

nationality of seamen on American vessels, and average monthly wages paid. There is also a table giving tonnage of vessels of different countries of the world. Price, 15¢.

LIGHTHOUSE SERVICE

Light List, Great Lakes, United States and Canada, Including Fog Signals, Buoys, and Daymarks, 1928 (corrected to March

1). Price, 30¢.

Light List, Pacific Coast, United States, Canada, Hawalian and Samoan Islands, 1928 (corrected to January 1). 269 pages. Price, 30¢.

Light List, Upper Mississippi River and Tributaries, 13th Lighthouse District, 1928 (corrected to January 15). 234 pages. Price, 20¢.

PATENT OFFICE

Classification Bulletin of United States Patent Office from July 1 to December 31, 1927. No. 59; 16 pages. Price, 10¢.

CHIEF FUNCTIONS OF THE DEPARTMENT OF COMMERCE

HERBERT HOOVER, Secretary of Commerce

WALTER F. BROWN, Assistant Secretary of Commerce. EPHRAIM F. MORGAN, Solicitor

AERONAUTICS BRANCH

WILLIAM P. McChacken, Jr., Assistant Secretary of Commerce for Aeronautics

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

BUREAU OF THE CENSUS

WILLIAM M. STEUART, Director

Taking censuses of population, inmates of institutions, mines and quarries, forest products, and water transportation 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 institutions annually, and of death rates in cities and automobile accidents weekly.

Compilation quarterly or monthly of statistics on cotton, wool, tobacco, leather, and other industries; publication in the Survey of Current Business of monthly commercial and industrial statistics.

BUREAU OF FOREIGN AND DOMESTIC COMMERCE

Julius Klein, 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 distribution through weekly Commerce Reports, bulletins, confidential circulars, the news and trade press, and district and cooperative offices in 65 cities.

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

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

The study of the processes of domestic trade and commerce.

BUREAU OF STANDARDS

George K. Burgess, Director

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

Preparation of specifications for Government purchases,

through the Federal Specifications Board.

Collection and dissemination of information concerning building codes and the planning and construction of houses. Establishment of simplified commercial practices through

cooperation with business organizations in order to reduce the wastes resulting from excessive variety in commodities.

BUREAU OF MINES

SCOTT TURNER, Director

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

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

Research on helium and operation of plants pro

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

The dissemination of results of technical and promic researches in bulletins, technical papers, mineral produces series, mineral courses series, mineral courses series, mineral courses series, mineral courses series, mineral courses series, mineral courses series.

BUREAU OF FISHERIES

HENRY O'MALLEYS Commissioner

The propagation and distribution of food fish in order to prevent the depletion of the fisheries; it is stions to promote conservation of fishery resources; in evelopment of commercial fisheries and agriculture; sturned fishery methods, improvements in merchandising and control of fishery statistics; administration of Alaska fisheries and fur seals; and the protection of sponges off the coast of statida.

BUREAU OF LIGHTHOUSES

GEORGE R. PUTNAM, Commissioner

Maintenance of lighthouses and other aids to mavigation. Establishment and maintenance of aids to restation along civil airways.

Publication of Light Lists, Buoy Lists, and Notice to Mariners, giving information regarding these aids to never the mariners.

COAST AND GEODETIC SUR

E. LESTER JONES, Director

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

Publication of results through charts, coast pild

current tables, and special publications.

BUREAU OF NAVIGATION

ARTHUR J. TYRER, Commissioner

Superintendence of commercial marine and mercial samen. Supervision of registering, enrolling, licensing supering, etc., of vessels under the United States flag, and annual publication of a list of such vessels.

publication of a list of such vessels.

Enforcement of the navigation and steambound laws, including imposition of fees, fines, tonnage

STEAMBOAT INSPECTION SEEN

DICKERSON N. HOOVER, Supervising Inspect

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

UNITED STATES PATENT OF THOMAS E. ROBERTSON, Commissioner

The granting of patents and the registration of prints, and labels after technical examination an

Maintenance of library with public search rooms containing copies of foreign and United States patents and trade marks. Recording bills of sale, assignments, etc., relationship patents and trade-marks. Furnishing copies of records to the sale in the containing to

Publication of the weekly Official Gazette, sh ents and trade-marks issued.

RADIO DIVISION

W. D. TERRELL, Chief

Inspection of radio stations on ships; inspections radio stations on shore, including broadcasting stations; it stating radio operators; assigning station call letters; enforcing the terms of the International Radiotelegraphic Convention; and settling international radio accounts. mining and settling international radio accounts.