SURVEY

OF

CURRENT BUSINESS



UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF FOREIGN AND DOMESTIC COMMERCE
WASHINGTON

TRENDS

Your records may not show them. Research does.

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

THE SURVEY of CURRENT BUSINESS

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

TRENDS

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

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

OCTOBER, 1931

WEEKLY DATA THROUGH SEPTEMBER 26, 1931
MONTHLY DATA THROUGH AUGUST

SURVEY OF CURRENT BUSINESS

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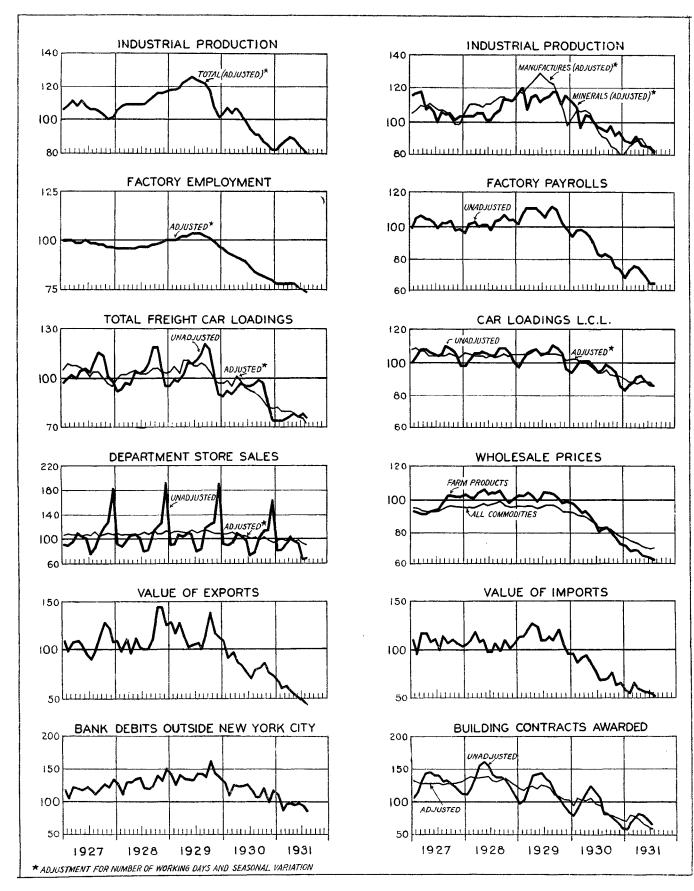
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Monthly Business Indicators

1923 - 1925 = 100



Business Situation Summarized

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

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

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

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

MONTHLY BUSINESS INDEXES

is stated	Indus	trial pro	oduc-	Factor ployn and pa	nent	Fre	ight ca	r loadir	ıgs	Depart store val	sales,	Fore tra val	dē,	e New	ll types,	Whol	lesale p	rices
	r pg	s, ad-	adjusted 1	mploy-	ay rolls, ed ;	То	tal	Merci dise, l						s outside rk City	contracts, all alue, adjusted	dex, 550 tles	ž.	farm i foods
Year and month	Total, adjusted	Manufactures, justed ¹	Minerals, adj	Number of employ- ees, adjusted 1	Amount of pay unadjusted	Unadjusted 1	Adjusted 1	Unadjusted 1	Adjusted 1	Unadjusted '	Adjusted 1	Exports	Imports	Bank debits York	Bullding con	Combined index, commodities	Farm products	Other than farm products and foods
						Mon	thly av	erage 19:	23-1925	=100							thly ave 926=100	
1929: August 1930: August September October November December	123 91 91 87 85 82	90 90 85 84 80	96 94 98 92 94	103 84 83 82 81 80	82 83 81 75 74	115 96 99 97 86 74	107 89 87 86 84 84	95 99 97 94 86	106 95 95 93 92 92	84 77 103 112 113 165	111 102 99 102 98 94	100 78 82 86 76 72	114 68 70 77 63 65	143. 7 106. 2 107. 7 120. 1 99. 9 117. 2	122 81 81 78 76 76	97. 7 84. 0 84. 2 82. 6 80. 4 78. 4	107. 1 84. 9 85. 3 82. 6 79. 3 75. 2	92. 5 83. 3 82. 8 81. 5. 80. 1 79. 0
1 931: January February March April May June July Angust Monthly average, January	86 88 90	81 86 88 90 89 84 83 80	90 88 87 92 86 85 84	78 78 78 78 78 78 76 75 74	68 73 75 74 72 68 64 64	74 74 75 77 79 77 78 76	82 80 80 80 79 77 76 72	83 87 89 91 92 89 87 86	90 89 89 88 89 89 88	79 80 92 101 97 90 65 68	97 98 97 106 97 95 91 90	66 59 62 57 54 49 48 43	57 54 65 58 56 55 54 51	110. 0 86. 6 98. 4 99. 5 95. 6 98. 4 93. 5 83. 8	71 79 77 73 66 64 61 60	77. 0 75. 5 74. 5 73. 3 71. 3 70. 0 70. 0 70. 2	73. 5 70. 1 70. 6 70. 1 67. 1 65. 4 64. 9 63. 5	77. 8 77. 1 75. 6 74. 2 73. 2 71. 9 71. 8 72. 3
through August: 1929. 1930. 1931.	122 101 85	123 101 85	115 102 87	102 91 77	109 92 70	105 93 76	107 95 78	104 98 88	105 110 89	96 91 84	111 105 96	112 87 55	116 84 56	137. 7 120. 2 95. 7	122 98 69	97. 0 88. 9 72. 7	105. 4 92. 4 68. 2	92. 9 87. 2 74. 2

¹ Adjusted for seasonal variation.

² Adjusted for number of working days.

Finance-Credit and Banking

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

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

The condition of the Federal reserve banks at the

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

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

CREDIT AND BANKING STATISTICS

	В	ank debi	its	Reportant de la closes mont		ember nesday end of	Сов	dition o	Federal	reserve l	oanks, ei	nd of mo	nth	Total bank- ers' ac- cept-	Net gold im- ports in-	De- posits
	New York City	Out- side New York City	Can- ada	Loans on securi- ties	All other loans	In- vest- ments	Total bills dis- count- ed	Total bills bought in the open market	Total United States securi- ties	Total reserve bank credit	Notes in cir- cula- tion	Mem- ber bank reserve ac- count	Re- serve ratio	ances out- stand- ing end of month	cluding gold re- leased from ear- mark	New York State savings banks
							MIL	LIONS C	F DOLI	LARS						
1929: August 1930: August September October November December 1931: January February March April May June July August	49, 034 25, 052 27, 383 30, 781 22, 490 29, 001 24, 557 20, 948 27, 589 26, 821 25, 072 25, 893 21, 007 17, 501	28, 339 20, 941 21, 253 23, 693 19, 700 23, 113 21, 697 17, 084 19, 421 19, 620 18, 858 19, 406 18, 444 16, 526	3, 667 3, 802 2, 967 3, 618 2, 974 3, 012 2, 668 2, 535 2, 570 2, 786 3, 172 2, 694 2, 400	7, 515 8, 350 8, 476 8, 065 7, 768 7, 814 7, 379 7, 313 7, 256 7, 052 6, 867 6, 746 6, 544 6, 519	9, 434 8, 416 8, 451 8, 707 8, 766 8, 449 8, 374 8, 151 8, 126 7, 941 7, 863 7, 945 7, 942 7, 879	5, 456 6, 338 6, 454 6, 731 6, 800 6, 693 7, 183 7, 551 7, 903 7, 807 7, 795 7, 810 7, 665	1, 046 215 272 207 275 251 232 198 250 157 174 149 195 255	176 168 209 163 175 364 125 109 124 163 125 106 73 215	150 602 597 602 599 729 610 599 599 598 598 668 678 728	1, 439 1, 025 1, 103 998 1, 079 1, 373 980 925 990 937 917 943 976 1, 255	1, 880 1. 374 1, 379 1, 368 1, 455 1, 664 1, 494 1, 478 1, 486 1, 535 1, 535 1, 723 1, 765	2, 337 2, 378 2, 467 2, 418 2, 373 2, 471 2, 398 2, 343 2, 428 2, 371 2, 389 2, 381 2, 367 2, 373	73. 2 81. 1 79. 7 82. 2 80. 3 73. 7 82. 2 83. 7 82. 6 84. 9 84. 6 83. 8 78. 8	1, 201 1, 339 1, 367 1, 508 1, 571 1, 556 1, 520 1, 520 1, 467 1, 422 1, 413 1, 368 1, 228 1, 298	17. 4 -19. 6 6. 5 20. 3 33. 1 17. 5 46. 3 18. 6 23. 6 42. 0 53. 6 156. 1 -10. 2 41. 5	4, 426 4, 59 4, 66 4, 65 4, 66 4, 79 4, 88 4, 92 5, 01 5, 05 5, 05 5, 15 5, 15

Finance—Security and Money Markets

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

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

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

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

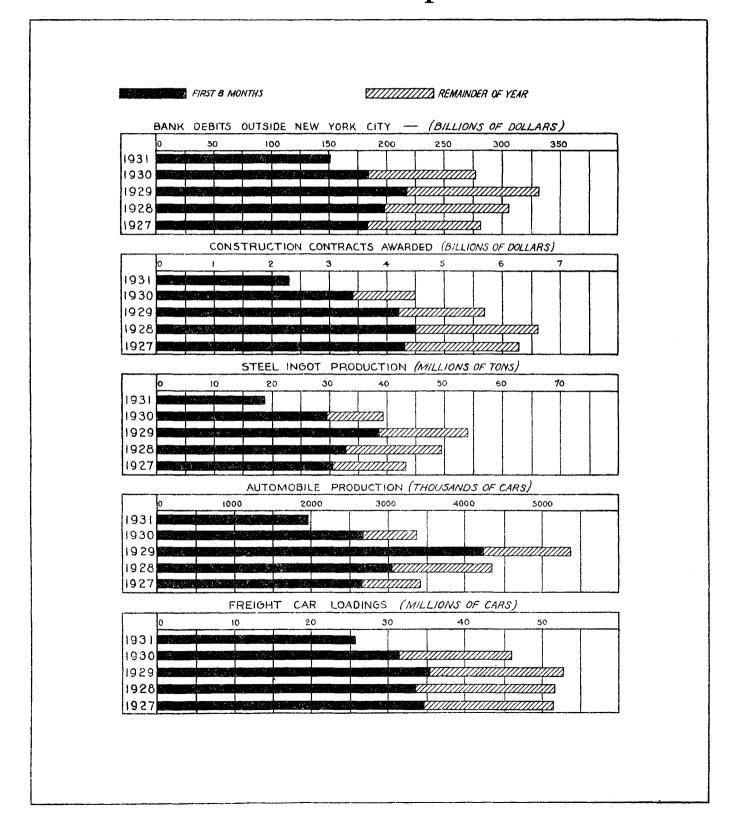
Continued weakness in the general banking situation, as well as in the security markets, continues to be reflected in the unusually low level of new capital issues. August issues were considerably below those of February, the record low month of the first half of the year. Issues of long-term real-estate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

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

SECURITY AND MONEY MARKET STATISTICS

				eign	ndices listed stock						ket	e of ope mones v York		Brol	ters' loai	ns
	Stock prices	sales	Com- mon- stock yields	Lon- don	Paris	Berlin	Bond yields	New capital issues	Long- term real estate bonds	Total dividend and interest pay- ments	Call mon- ey re- newal	Time loans	Com- mer- cial paper	Made by re- port- ing mem- ber banks in N.Y.C., Wed. closest to end of month	Re- ported by the New York Stock Ex- change, end of month	1
	Rel. to 1926	Thou- sands of shares	Per cent	Rel. to Dec. 31, 1923	Rela- tive to 1913	Price to par weight- ed	Per cent	Thou	ısands of	dollars		Per cen	t	Milli dol	ons of lars	Per cent
1929: August	218. 1	95, 705	3. 01	125.81	497	150. 2	4.74	763, 177	28, 403	410, 500	8. 23	83/4-9	6 -61/4	6, 217	7,882	8, 79
1936: August September. October November December 1931:	147. 6 148. 8 127. 6 116. 7 109. 4	39, 870 53, 545 65, 497 51, 946 58, 764	4, 42 4, 33 5, 05 5, 43 5, 62	96. 60 90. 35 92. 68 92. 16 89. 94	440 424 425 395 378	114. 1 113. 2 105. 0 103. 4 97. 0	4. 43 4. 41 4. 41 4. 46 4. 55	121, 516 284, 570 151, 148 137, 622 180, 872	1, 938 13, 890 6, 635 9, 965 29, 877	505, 000 524, 100 763, 329 579, 028 712, 927	2. 21 2. 19 2. 00 2. 00 2. 23	$\begin{bmatrix} 2\frac{1}{2} - 2\frac{3}{4} \\ 2\frac{1}{2} - 2\frac{3}{4} \\ 2\frac{1}{4} - 2\frac{3}{4} \\ 2 & -2\frac{1}{4} \\ 2 & -2\frac{1}{2} \end{bmatrix}$	3	3, 110 3, 063 2, 512 2, 111 1, 926	3, 559 3, 481 2, 556 2, 162 1, 894	5. 31 5. 79 4. 65 4. 06 3. 86
January February March Auril May June July August	109. 2 98. 0 95. 1 98. 2	52, 543 64, 145 65, 494 54, 335 46, 661 58, 719 33, 540 24, 890	5. 50 5. 12 4. 95 5. 43 5. 95 5. 96 5. 66 5. 74	86. 39 83. 92 80. 70 81. 02 77. 63 70. 33 76. 42 72. 40	349 365 373 362 346 322 329 311	90. 5 84. 7 97. 3 101. 2 96. 6 80. 6 83. 7	4. 43 4. 44 4. 41 4. 43 4. 43 4. 45 4. 45 4. 50	399, 848 74, 251 269, 030 267, 471 169, 360 131, 343 115, 070 46, 197	4, 520 3, 590 2, 015 7, 235 9, 485 3, 425 775 2, 100	1, 121, 434 523, 807 594, 282 748, 873 559, 624 762, 077 945, 976 489, 858	1. 57 1. 50 1. 55 1. 52 1. 45 1. 50 1. 50 1. 50		$\begin{bmatrix} 2\frac{1}{2} \\ 2\frac{1}{4} - 2\frac{1}{2} \\ 2 & -2\frac{1}{4} \\ 2 & 2 \end{bmatrix}$	1,734 1,798 1,875 1,730 1,539 1,479 1,390 1,366	1,720 1,840 1,909 1,651 1,435 1,391 1,344 1,354	3. 30 3. 22 3. 58 3. 40 3. 37 2. 93 3. 03 3. 04

1931 in Comparison



Commodity Prices

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

In wholesale markets advances of 7 per cent in prices of fuel and lighting materials and slightly higher prices of foods were reflected in the combined index which registered an advance of 0.2 per cent, the first rise since September, 1930. About one-half of the commodities included in the combined index of wholesale prices did not change in price from July to August, 1931. most conspicuous changes in prices from July to August, 1931, occurred in petroleum products and rubber, the former advancing 23.8 per cent and the latter dropping 15.2 per cent. Livestock and poultry advanced 6.3 per cent in price, prices of meat and dairy products rose 3.5 per cent and 2 per cent, respectively, and prices of anthracite coal advanced 1.5 per cent. Nonferrous metals, chemicals, and miscellaneous textiles declined in price from 2 to 3 per cent. A decline from 3 to 4 per cent occurred in prices of cotton goods, structural steel, and paint materials, and drops ranging from 5 to 10 per cent occurred in prices of farm products other than livestock and poultry, in hides and skins, in fertilizer materials and in cattle feed.

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

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

INDEXES OF COMMODITY PRICES

							Wi	olesale	, 1							Ret	ail	Farm:
Year and month	Combined index, 550 commodity quota- tions	Farm products	Foods	Other than farm products and foods	Hides and leather products	Textile products	Fuel and lighting	Metals and metal products	Building materials	Chemicals and drugs	House furnishing goods	Miscellaneous	Raw materials	Semimanufactures	Finished manufac- tures	Foods 1	Cost of living 3	Combined index, 30 commodities
			Marken make		· 100m · ,	М	onthly :	average,	1926 = 1	00				•		Mo. aver- age 1913= 100	Mo. aver- age 1923= 100	Mo. aver- age 1909 to 1914= 100
1929: August	97. 7	107. 1	103. 1	92. 5	109. 7	93. 1	80. 9	104. 3	96, 7	93. 7	97. 1	81, 3	98. 9	96. 2	97. 3	160	100. 7	143
1930: August September October November December	84. 0 84. 2 82. 6 80. 4 78. 4	84. 9 85. 3 82. 6 79. 3 75. 2	87. 1 89. 2 88. 6 85. 7 81. 8	83. 3 82. 8 81. 5 80. 1 79. 0	98. 9 99. 1 96. 5 94. 0 91. 2	77. 7 75. 5 73. 8 73. 3 72. 4	75. 4 76. 3 75. 1 71. 8 70. 5	92. 7 91. 8 90. 4 90. 2 90. 0	87. 4 86. 4 85. 8 85. 6 84. 4	87. 3 86. 6 86. 0 85. 2 84. 8	95. 9 95. 4 95. 3 95. 2 91. 3	71. 2 69. 7 68. 8 67. 8 66. 9	81. 8 82. 1 80. 0 76. 8 74. 2	78. 1 76. 5 75. 5 75. 6 74. 3	86. 4 86. 8 85. 6 83. 7 81. 9	144 146 144 141 137	94. 7 95. 4 94. 8 93. 9 92. 6	108 111 106 103 97
1931: January February March April May June July August Monthly average, January through	77. 0 75. 5 74. 5 73. 3 71. 3 70. 0 70. 0 70. 2	73. 5 70. 1 70. 6 70. 1 67. 1 65. 4 64. 9 63. 5	80. 1 77. 1 76. 7 75. 6 72. 9 72. 4 73. 1 73. 7	77. 8 77. 1 75. 6 74. 2 73. 2 71. 9 71. 8 72. 3	88. 6 86. 6 87. 4 87. 3 87. 3 87. 8 89. 2 88. 5	71. 0 70. 4 69. 2 67. 6 66. 3 65. 4 65. 4 64. 2	69. 8 69. 6 64. 5 61. 6 60. 9 58. 1 58. 2 62. 3	89. 3 88. 9 89. 0 88. 7 87. 8 87. 4 87. 5 87. 1	82. 9 81. 8 81. 9 80. 9 78. 4 77. 5 75. 8 75. 4	83. 6 82. 2 81. 9 80. 1 79. 1 77. 9 77. 3 75. 5	91. 1 90. 8 90. 8 90. 8 89. 2 88. 6 88. 0 87. 5	64, 7 63, 9 61, 7 63, 9 62, 8 61, 8 61, 0 58, 5	72. 9 70. 6 69. 4 68. 3 66. 5 64. 7 64. 3 64. 1	73. 4 72. 3 72. 2 71. 1 68. 9 68. 5 69. 5 68. 3	80, 5 79, 3 78, 4 77, 1 75, 1 74, 0 74, 0 74, 6	133 127 126 124 121 118 119 120	91. 1 89. 6 89. 1 88. 2 86. 9 85. 9 85. 9	94 90 91 91 91 86 80 79 75
August: 1929. 1930. 1931.	97. 0 88. 9 72. 7	105. 4 92. 4 68. 2	99. 4 92. 1 75. 2	92. 9 87. 2 74. 2	109. 1 102. 4 87. 8	94. 7 84. 3 67. 4	81, 5 77, 4 63, 1	105, 1 97, 6 88, 2	97, 2 92, 7 79, 3	94. 7 90. 2 79. 7	96. 8 96. 4 89. 6	80, 3 76, 1 62, 7	97. 8 87. 6 67. 6	96, 6 85, 9 70, 5	96. 8 90. 4 76. 6	155 149 124	99. 6 97. 1 87. 8	138 124 86

¹ Department of Labor.

Department of Agriculture.

⁴ National Industrial Conference Board.

Employment

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

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

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

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

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

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

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

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

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

STATISTICS OF EMPLOYMENT, PAY ROLLS AND WAGES

	ploy	ry em- ment L. B.	F.R.B. factory pay	Bitum coal m		Anthr min		Power, and w		Telepi and tele		Retail	trade	Employ- ment agencies,	Employ- ment, trade-	Wages, com- mon labor in
Year and month	Ad- justed	Unad- justed	rolls, unad- justed	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	Em- ploy- ment	Pay rolls	appli- cants per 100 jobs	union mem- bers	road build- ing
	Мог 193	nthly ave 23-1925=	erage, 100				Mon	thly aver	age, 192	9=100				Number	Per cent of total members	Cents per hour
1929: August	102.7	104.0	110, 6	95, 7	92, 8	91. 1	78. 4	105. 4	103.8	103. 7	101, 8	93. 6	95. 2	124	91. 0	40
August	102.7	104.0	110.0	93.1	92.0	31. 1	10.4	100. 4	100.0	103.7	101.6	93.0	90. 4	124	91.0	40
August	84.4	85. 1	81.7	89. 2	71.1	80. 2	78.8	106. 4	106. 6	98.8	102. 5	85. 6	87. 6	177	78. 0	39
September	83. 4	86.4	83.0	90. 5	74. 9	93.8	91.6	105. 2	106. 1	96.8	102. 2	92.0	92.4	170	79.0	40
October November	82. 2 81. 1	84.3	80. 8 75. 1	91. 8 92. 5	79. 4 79. 1	99. 0 97. 2	117. 2 98. 0	104.8 103.4	105.6	94. 5 93. 0	100.9	95. 5 98. 4	95. 1 96. 8	193 227	79.0	39 38 37
December	80.1	81.0 78.8	73.7	92. 5	77.7	97. 2	100.0	103. 4	106.3	91.6	97. 9 101. 3	115.1	07.7	218	78. 0 77. 0	30
1931:	00.1	10.0	13.1	54.0	11.1	39. 1	100.0	100.2	100.0	01.0	101. 3	110.1	01.1	210	11.0	
January	78.3	76. 4	68.4	93. 9	73.3	90.6	89.3	99, 2	98.6	90.5	96.3	90.0	89.4	224	73.0	36
February	77.8	77. 3	73. 2	91. 5	68.3	89. 5	101. 9	97.8	99.7	89. 2	94.8	87. 1	86.7	202	73.0	36
March	77. 9	78. 1	74.9	88.8	65. 2	82.0	71.3	96. 7	102. 4	88.6	97. 9	87.8	87.5	179	74.0	37
April	78.0	77. 9	73.6	85. 9	58. 6	85. 2	75. 2	97.1	97.6	88. 1	95.0	90. 1	88.3	177	75. 0	37 35 37 37 36
May	77.8	77.1	72. 1 67. 6	82. 4 78. 4	54. 4 52. 4	80. 3 76. 1	76. 1 66. 7	97. 6 97. 2	98. 7 98. 3	87. 4 86. 9	94. 1 95. 0	89. 9 89. 1	88. 0 87. 6	181	75. 0 75. 0	31
June	76. 0 75. 1	75. 0 73. 8	64.4	76.4	50. 4	65. 1	53.7	97. 2	98. 3	86.6	93. 3	83. 9	83.3		74.0	36
August	74.1	74. 2	64. 3	77. 0	50. 6	67. 3	56. 4	95. 9	96. 2	85. 9	92.3	81.8	80.3		74.0	36
Monthly average, Janu-	1 7. 1	,	01.0	,,,,	00.0	00	00	1	00.2	00.0		01.0	00.0	1	1	0.5
ary through August:					1	}	!	i i		l.				1	1	
1929		101.4	108.6	109.3	97.6	97.7	90.6	97.7	97.3	99.0	98.7	95.9	96.6	136	88. 3	38
1930		90.3	92.1	94.2	83.1	91.5	92. 1	102.4	103.8	99.8	104.0	93.6	95.3	184	79.0	40
1931	76. 9	76. 2	69.8	84. 3	59. 2	79.5	73.8	97.3	98.6	87.9	94.8	87.5	86. 4		74.1	36

Domestic Trade

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

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

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

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

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

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

DOMESTIC TRADE STATISTICS

	Depar store			tment stocks	Freig loading chandi	gs, mer-	cent-	nd-ten -store les	Mail- order	Postal receipts,	fail	mercial ures		tising age	Money order
Year and month	Unad- just- ed ¹	Ad- just- ed ;	Unad- just- ed ³	Ad- just- ed ²	Unad- just- ed	Ad- just- ed ²	Unad- just- ed	Ad- just- ed ²	sales, 2 houses	50 se- lected cities	Fail- ures	Liabil- ities	Maga- zine	News- paper	value, paid
			Month	ly avera	ge, 1923-1	925-100	·			ands of lars	Num- ber	Thou- sands of dolls.	sands	Mil- lions of lines	Thou- sands ofdolls.
1929: August		111	96	100	106	106	161	174	60, 088	29, 251	1,762	33, 746	1, 979	85	88, 806
August September October November December	77 103 112 113 165	102 99 102 98 94	87 95 101 104 85	91 91 92 92 91	95 99 97 94 86	95 95 93 92 92	146 147 168 159 298	163 156 151 158 153	50, 682 54, 419 68, 878 55, 713 72, 486	25, 876 28, 764 32, 279 28, 379 38, 572	1, 913 1, 963 2, 124 2, 031 2, 525	49, 181 46, 947 56, 297 55, 261 83, 683	1, 681 2, 145 2, 490 2, 488 2, 265	70 89 98 89 82	77, 670 79, 174 90, 647 79, 934 91, 923
1931: January February March April May June July August Monthly average, January through	101 97 90	97 98 97 106 97 95 91 90	78 81 87 85 85 80 75 76	88 86 84 83 83 82 81 79	83 87 89 91 92 89 87 86	90 89 89 88 89 89 88	124 127 144 160 155 147 139	161 163 159 168 167 161 147 159	41, 459 39, 422 43, 008 52, 078 50, 070 49, 480 45, 093 43, 004	29, 172 26, 405 30, 178 29, 257 27, 844 26, 442 24, 578 23, 389	3, 316 2, 563 2, 604 2, 386 2, 248 1, 993 1, 983 1, 944	94, 608 50, 608 60, 387 50, 868 53, 371 51, 656 60, 998 53, 025	1,585 1,992 2,203 2,421 2,375 2,191 1,613 1,316	76 72 90 89 88 80 67	78, 273 70, 935 81, 747 90, 646 81, 956 79, 311 76, 365
Arcust 1929 1930 1931	9% 91 84	111 105 96	97 93 81	99 96 83	104 98 88	105 98 89	145 142 142	163 161 161	53, 6 17 51, 398 45, 452	31, 048 29, 842 27, 158	1, 961 2, 214 2, 380	37, 288 53, 262 6 9, 565	2, 646 2, 482 1, 962	99 88 79	87, 200 84, 154

¹ Corrected to average daily sales.
² Adjusted for seasonal variation.

^{*} End of month figures.

Foreign Trade

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

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

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

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

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

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

EXPORTS AND IMPORTS

	1				Export	s of Un	ited St	ates m	erchand	ise				Gen	eral im	ports	
	Ex-	Cr mat	ide erials	· · · · · · · · · · · · · · · · · · ·	Food	stuffs			Fini	shed m	anufaci	ures			f ;		
Year and month	includ- ing reex- ports!	Total	Raw cot- ton	Total		Meats and fats	Fruits and prep- ara- tions	Semi- man- ufac- tures	Total	Ma- chin- ery	Auto- mo- biles, parts, and acces- sories	Gaso- line	Total	Crude ma- terials	Food- stuffs	Semi- manu- fac- tures	Fin- ished manu- fae- tures
		·					*	M	lillions of	dollars	and the second of the second of the			and the same services	·		
1929: August	380.6	50.9	23. 9	65. 5	23. 4	15.8	9.3	57.1	201. 0	50.8	35.8	24. 5	369.4	125. 8	74.9	79.7	\$8,9
1930: August September October November December	312. 2 326. 9 289. 0	53. 2 93. 7 104. 8 90. 9 76. 7	27. 6 62. 8 64. 9 59. 3 47. 2	52. 5 46. 0 47. 3 45. 6 40. 5	24. 0 18. 4 11. 4 7. 8 6. 3	12. 1 9. 9 9. 8 11. 0 9. 8	7. 7 9. 2 17. 1 17. 5 15. 1	40. 8 37. 2 38. 0 33. 1 33. 9	147, 5 130, 8 132, 7 115, 8 119, 7	34. 1 33. 6 30. 8 33. 2 36. 1	17. 0 16. 4 14. 5 14. 1 15. 3	25. 6 16. 5 21. 9 12. 4 13. 7	218. 4 226. 4 247. 4 203. 6 208. 6	72, 6 75, 4 77, 5 59, 2 69, 1	43. 8 48. 2 56. 1 48. 4 52. 3	44. 2 41. 0 45. 5 38. 3 38. 1	57. 8 61. 8 69. 2 57. 8 49. 2
1931: January February March April May June July August		58. 6 47. 7 56. 5 40. 0 36. 5 29. 1 28. 3 25. 5	31. 2 25. 4 36. 0 22. 9 18. 9 13. 5 13. 5	35. 5 29. 5 33. 0 28. 2 29. 4 28. 7 32. 3 28. 1	4. 9 3. 2 3. 9 5. 7 7. 4 8. 8 11. 6 7. 0	12. 2 10. 6 10. 1 8. 5 7. 8 7. 1 6. 8 6. 4	10.7 8.9 10.7 6.4 6.5 5.7 7.6 8.0	34. 5 27. 5 31. 4 30. 6 29. 9 24. 5 28. 0 23. 9	117. 1 116. 1 110. 3 111. 1 103. 5 97. 7 88. 3 84. 1	37. 7 44. 0 29. 4 31. 1 26. 6 28. 3 22. 7 20. 4	14. 4 16. 1 18. 5 18. 0 14. 2 12. 8 11. 5	13. 8 10. 6 8. 4 10. 7 12. 5 7. 2 9. 0 8. 8	183. 1 174. 9 210. 2 185. 7 179. 7 173. 7 174. 5 166. 7	59. 4 56. 4 64. 0 54. 7 54. 7 52. 4 50. 0 47. 7	42. 1 46. 1 56. 6 51. 9 49. 6 47. 2 47. 1 45. 4	36. 9 31. 5 39. 8 33. 4 30. 4 29. 8 30. 0 28. 3	44. 8 41. 2 49. 2 45. 7 45. 5 44. 2 47. 5 45. 3
Cumulative, January through August: 1929 1930 1931	3, 406. 5 2, 640. 2 1, 661. 6	585. 1 462. 3 323. 3	368. 1 262. 5 171. 4	486. 1 361. 9 244. 6	113. 6 113. 8 52. 6	137. S 113. 0 69. 4	79. 3 50. 8 64. 7	500. 5 370. 8 233. 7	1, 775, 2 1, 400, 1 827, 5	410. 8 384. 4 240. 1	422. 0 217. 1 116. 1	178. 6 186. 2		1, 072. 9 721. 0 439. 2	672. 0 488. 8 3 85. 6	608. 2 445. 2 260. 0	653. 6 520. 0 865.5

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

Transportation

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

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

A decrease in the movement of freight has naturally been reflected in an increased number of idle freight The daily average number of surplus cars for the last eight days of August was 33 per cent greater than reported for the same period in August last year and 262 per cent over 1929. The peak in the number of surplus freight cars in the present depression was recorded in December, 1930.

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

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

RAIL AND WATER TRAFFIC

				Freig	gh <i>t-</i> car	loadin	gs				S	onts.	C	anal an	d river t	raffic	s s	clear- ports
	F. R. H	3. index		īse,	a .		coke	ncts		s	surplus	payments, railways		Canals		River	Canal traffic, directions	fican p
Year and month	Ad- justed	Unad- justed (1)	Total	Merchandi	Grain a products	Livestock	Coal and co	Forest products	Ore	Miscellaneous	Freight-car	Dividend steam ra	Sault Ste. Marie	New York State	Cape Cod	Missis- sippi (Govt. owned barges)	Panama Ca both dir	Ocean traffic c ances, American
	aver	nthly rage, 125== 100				Thous	ands of	cars ;				Thous, of dollars	Tì	ousands	of short	tons	Thous. of long tons	Thous, of net tons
1929: August	107	115	5, 601	1, 308	316	121	902	344	37 9	2, 231	158	37, 600	14, 085	380	206	85	1, 311	3, 219
August September October November December	89 87 86 84 84	96 99 97 86 74	4, 672 3, 725 3, 818 4, 127 2, 784	1, 178 944 966 1, 133 820	304 189 163 190 143	106 108 129 140 94	770 638 733 852 638	207 162 159 174 121	285 195 154 92 22	1, 822 1, 490 1, 514 1, 546 946	432 394 403 580 707	37, 700 29, 900 44, 000 38, 500 39, 000	11, 267 10, 347 9, 094 5, 130 312	457 458 608 390 0	247 245 230 225 225	70 114 103 83 108	1, 022 1, 040 1, 133 1, 009 953	3, 359 3, 060 2, 651 2, 501 1, 991
1931: January February March April May June July August Monthly average, January through	80 80	74 74 75 77 79 77 78 76	3, 491 2, 836 2, 940 2, 986 3, 736 2, 991 2, 931 3, 747	997 842 886 899 1, 097 876 830 1, 069	196 165 153 151 180 140 220 228	124 88 79 85 106 75 71 106	817 584 555 486 611 465 452 617	156 138 138 130 165 125 106 138	26 22 23 29 80 119 139 175	1, 175 997 1, 105 1, 206 1, 496 1, 192 1, 113 1, 413	647 651 622 603 616 599 564 574	55, 600 44, 900 45, 500 38, 100 32, 500 34, 000 41, 500 33, 500	0 0 0 922 4, 335 6, 645 7, 611 8, 385	0 0 0 349 457 385 506 425	234 166 163 203 217 203 211 186	76 70 83 82 100 86 104	958 864 910 929 937 828 820 859	1, 843 1, 695 1, 773 2, 092 2, 525 2, 241 2, 742 2, 734
August: 1929 1930 1931	107 95 78	105 93 76	4, 422 3, 929 3, 207	1, 111 1, 042 937	207 198 179	111 102 92	785 694 573	286 219 137	198 150 77	1, 725 1, 523 1, 212	224 440 609	39, 150 44, 500 40, 700	7, 577 6, 002 3, 487	208 269 265	167 197 198	111 93 88	1, 227 1, 134 888	2, 622 2, 718 2, 266

¹ Daily average basis.
2 Data for January, May, August, and November are for 5 weeks; other months, 4 weeks.

Construction

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

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

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

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

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

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

BUILDING MATERIALS, CONSTRUCTION, AND REAL ESTATE

		Bui	ilding co	ntracts	awarde	ed .		В	uilding	materia	ds		ding erial ces			real-e	-term estate nds
	F. R. B. index (value	All ty	pes of	Resid buil			works	Maple floor- ing	Ce- ment	Fabri- cated struc- tural steel	Com- mon brick	Frame	Brick house	Con- struc- tion cost, Eng. News Rec.	Real- estate mar- ket ac- tivity— deeds record- ed	Total	To fi- nance new con-
Year and month	unad- justed)	Consu	uction	bun	u.n.s		diffics	Ship- ments	Pro- duc- tion	New orders	Ship- ments	a ouse			eu		struc- tion
	Monthly average 1923- 1925=100	Mil- lions of square feet	Mil- lions of dollars	Mil- lions of square feet	Mil- lions of dollars	Thou- sands of square feet	Mil- lions of dollars	Thou- sands of feet, board meas- ure	Thou- sands of barrels	Thou- sands of short tons	Mil- lions of brick		f month erage 19	, month- 13=100	Month- ly av- erage 1926= 100		ands of lars
1929: August	129	66. 7	489	29. 5	146. 1	1, 237	142, 8	7, 029	18, 585	341	131. 0	177	182	205. 9	86. 7	28, 403	16, 108
AugustSeptemberOctoberNovemberDecember	82	39. 8 41. 2 39. 5 33. 1 29. 1	347 332 337 254 249	16. 8 19. 7 22. 3 18. 8 14. 7	82. 7 98. 5 104. 7 80. 8 70. 9	1, 297 1, 484 339 468 697	126. 7 109. 1 113. 0 76. 4 78. 6	4, 416 3, 331 2, 886 2, 554 1, 811	17, 821 16, 124 14, 410 11, 098 8, 480	252 156 209 151 153	105. 5 115. 3 103. 4 103. 5 33. 5	169 163 171 165 168	175 174 176 176 172 174	201. 0 199. 6 198. 7 198. 5 196. 9	69. 6 66. 8 74. 0 64. 6 68. 9	1, 938 13, 890 6, 635 9, 965 29, 877	300 1, 473 1, 210 1, 598 530
1931: January February March April May June July August Monthly average, Jan-	68 77	24. 6 28. 3 38. 0 39. 4 38. 9 35. 0 33. 8 30. 6	228 235 370 337 306 332 286 233	12. 2 16. 6 22. 1 22. 6 21. 9 16. 9 15. 9 14. 1	54. 4 77. 9 100. 9 95. 9 88. 9 72. 7 63. 9 60. 2	393 246 522 785 387 2, 367 1, 233 737	95. 2 78. 6 151. 7 133. 0 108. 9 154. 5 116. 3 73. 0	2, 351 2, 676 3, 017 3, 226 3, 315 3, 778 3, 447 3, 397	6, 595 5, 920 8, 245 11, 245 14, 010 14, 118 13, 899 13, 549	162 158 184 293 153 177 159 124	19. 7 19. 8 29. 3 31. 3 30. 1 30. 8 31. 3	163 165 163 157 160 158 155 156	170 171 170 167 167 166 164 163	194, 5 196, 6 194, 5 191, 6 189, 3 187, 4 174, 4 171, 4	66. 0 66. 7 61. 7 62. 0 61. 3 58. 4 61. 1 59. 8	4, 520 3, 590 2, 015 7, 235 9, 485 3, 425 775 2, 100	2, 85(1, 50(1, 00(1, 70(1, 00(60(563
uarv through August; 1929 1930 1931	127 162 71	71. 3 45. 9 33. 6	519 419 291	36. 8 19. 3 17. 8	179, 1 93, 3 76, 9	910 1, 415 834	135, 5 159, 3 113, 9	6. 263 4. 077 3, 151	13, 87 2 13, 849 10, 948	309 253 176	134. 6 92. 5	176 175 160	182 179 167	206. 6 205. 1 187. 5	85. 7 71. 6 62. 1	36, 668 13, 838 4, 143	14. 069 6. 418 1, 155

Agriculture

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

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

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

Wheat production in the United States, estimated

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

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

INDEXES OF AGRICULTURAL MARKETING AND STOCKS

					Index	es of mar	keting					Indexes	of stocks	. end of
			Animal	products					Crops				month	,
Year and month	Com- bined index	Wool	Live- stock	Poultry and eggs	Dairy products	Fish	Com- bined index	Grains	Vege- tables	Fruits	Cotton	Wheat, visible supply, United States	Meats, cold- storage	Cotton, United States
			·	·		Mont	thly averag	ge, 1923–192	5=100	<u></u>				
1929: August	100.0	268. 3	77. 3	89. 0	115. 9	247. 2	132. 9	213, 9	88. 1	130.0	72. 0	325, 1	107. 2	58.
AugustSeptember October November December	91. 4 91. 2 96. 7 88. 5 97. 8	360. 5 30. 9 79. 1 34. 5 57. 1	76. 5 93. 9 108. 0 88. 0 93. 9	71. 6 78. 2 79. 2 121. 6 137. 8	94. 6 86. 3 82. 2 77. 8 92. 7	202. 0 229. 1 172. 0 146. 2 98. 9	122. 5 175. 5 212. 1 148. 8 105. 8	180. 5 139. 0 82. 6 72. 3 79. 8	81. 9 138. 8 168. 4 89. 6 79. 4	133. 1 164. 3 249. 0 109. 0 67. 1	77. 7 219. 3 327. 5 240. 6 144. 9	331. 7 364. 1 349. 8 344. 8 333. 3	82. 2 68. 1 55. 7 62. 3 76. 9	118. 165. 236. 265. 267.
1931: January February March April May June July August Monthly average, January through Au-	94. 7 85. 5 94. 0 101. 2 106. 7 118. 0 105. 2 95. 7	25. 3 50. 8 61. 9 78. 2 197. 1 405. 4 573. 2 259. 6	96. 2 79. 8 79. 6 82. 6 80. 2 77. 9 72. 6 82. 3	95. 0 94. 0 121. 8 137. 0 125. 6 115. 6 88. 6 78. 4	96. 4 91. 3 102. 9 113. 1 130. 9 156. 6 123. 3 106. 6	103. 4 116. 2 169. 4 174. 3 138. 5 144. 5 161. 2 150. 6	74. 3 66. 8 64. 4 53. 1 62. 0 55. 2 103. 1 86. 0	81. 0 84. 6 80. 0 63. 9 69. 0 68. 6 183. 2 135. 8	98. 0 91. 1 104. 3 93. 3 135. 6 165. 8 103. 4 64. 1	70. 2 68. 1 75. 1 70. 6 102. 2 88. 8 139. 3 154. 1	64. 0 45. 1 38. 6 29. 8 28. 3 9. 1 22. 6 29. 2	335. 8 343. 7 352. 7 339. 8 336. 4 324. 7 370. 4 413. 5	100. 1 114. 0 111. 8 114. 8 110. 8 105. 8 98. 7 83. 3	254. 235. 216. 6 196. 6 179. 6 162. 3 146. 8
uary through Au- gust: 1929 1930	100, 1 100, 8 100, 1	155. 0 206. 8 206. 4	83. 1 82. 0 81. 4	103. 9 106. 0 107. 0	115. 4 111. 8 115. 1	172. 0 190. 8 144. 8	81. 4 70. 9 70. 6	106. 7 94. 2 95. 8	114. 8 107. 8 107. 0	91. 1 75. 5 96. 1	48. 7 40. 5 33. 3	218. 2 256. 5 352. 1	124. 7 100, 6 104. 9	103. 9 143. 1 191. 4

Iron and Steel Industry

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

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

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

Steel ingot production in August was 8.9 per cent below July, and while the decline was not as severe as in the two months immediately preceding, it was contrary to the trend in every year since 1922. For the first eight months of the year, steel production was 36 per cent below the preceding year and was only half of the average of the last five years. Operations were at the rate of 31 per cent of capacity in August, compared with 34 in July and 59 a year ago. September output in recent years has usually been below August and, with operations in the first three weeks averaging slightly below last month, it appears unlikely that the month's production will exceed that of August. Unfilled orders of the United States Steel Corporation declined 235,359 tons from the July total, and were the smallest for any month since September, 1927. The decrease was less than in the same month of either 1929 or 1930, but prior to 1929 changes in the unfilled tonnage in August were small and irregular. As the corporation operated at only 34 per cent of capacity during the month and ran its backlog off 7 per cent, it is evident that buying continued at a very low level.

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

IRON AND STEEL STATISTICS

_	G	eneral op	erations		Iron sto	and eel		Steeli	ngots	struc	icated ctural eel	United States			Pri	ces	
Year and month	F. R. B. index (ad- justed) 1	Rate of operations, electric energy contion		Pay rolls unad- justed	Ex- ports	Im- ports	Pig- iron pro- duc- tion	Pro- duc-	Per cent of ca- pac- ity		Ship- ments	Steel Corpo- ration, unfilled orders	Manga- nese (ore con- tent), imports	Steel billets, Besse- mer (Pitts- burgh)	Iron and steel compos- ite	Struc- tural steel beams	Com- posite finished steel
	Monthly	average,	1923-192	25==100	The	ousand	s of long	tons	Per cent	of s	isands hort ons	Thousand to	ns	Dolls, pe	r long ton		per 100 inds
1929; August	143	150. 9	101. 4	109. 3	243	61	3, 756	4, 939	. 93	341	315	3, 658	32	35, 00	36. 57	1. 95	2, 55
1930: August September October November December	74 65	112. 0 110. 3 126. 0 106. 5 110. 2	83, 9 81, 7 81, 3 80, 2 79, 1	77. 5 75. 4 75. 8 68. 9 66. 7	151 131 132 112 102	27 30 30 35 24	2, 524 2, 277 2, 165 1, 867 1, 666	3,061 2,840 2,693 2,212 1,980	59 55 50 44 38	252 156 209 151 153	262 243 239 195 168	3, 580 3, 424 3, 482 3, 640 3, 944	18	31. 00 31. 00 31. 00 31. 00 30. 60	33. 01 32. 67 32. 31 31. 95 31. 76	1. 65 1. 60 1. 60 1. 60 1. 60	2. 26 2. 24 2. 22 2. 20 2. 19
January February March April May June July August Monthly aver-	78	103. 4 116. 5 119. 4 108. 1 106. 8 86. 6 83. 1 78. 0		62. 4 67. 5 70. 0 69. 1 64. 9 57. 6 52. 4 50. 6	93 91 110 101 91 76 84 73	32 21 31 39 28 29 27 21	1,714 1,707 2,032 2,020 1,994 1,639 1,463 1,281	2, 459 2, 502 2, 994 2, 722 2, 505 2, 076 1, 886 1, 719	43 49 54 49 45 38 34 31	162 158 184 293 153 177 159 124	172 166 151 158 148 162 182 169	4, 132 3, 965 3, 995 3, 898 3, 620 3, 479 3, 405 3, 169	17 10 2 33 21 37 38 67	30, 00 30, 00 30, 00 30, 00 29, 50 29, 00 29, 00	31, 05	1. 63 1. 65 1. 65 1. 65 1. 65 1. 65 1. 65 1. 60	2. 22 2. 23 2. 23 2. 22 2. 21 2. 19 2. 20 2. 19
age, January through August: 1929 1930 1931	139 106	156. 5 129. 2 100. 2	99, 5 90, 3 74, 5	107. 7 90. 7 61. 8	263 189 90	49 38 29	3, 648 2, 928 1, 731	4, 853 3, 695 2, 358		309 253 176	273 268 164	4, 175 4, 188 3, 708	31 25 28	34, 54 32, 31 29, 56	34. 25	1. 93 1. 76 1. 64	

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Chemical Industries

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

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

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

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

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

CHEMICALS STATISTICS

		Genei	ral oper	ations		Ethyl	Explo-	Dasin	Tur-	Super-	By-	Ar-	•27+2	Potash	Mitant
	En F. R	ployme . B. Ind	ent lexes	Sto	cks	alcohol	sives	Rosin, wood	pen- tine, wood	phos- phates	prod- uct coke	senic, refined	lizan		of soda
Year and month	Ad- justed	Unad- justed	rolls,	Manu- fac- tured goods	Raw ma- terials			Prod	uction				Con- sump- tion	Inıj	ports
	Mo	onthly av	erage, 19	923-1925=	100	Thous. of gals.	Thous. of lbs.	Barr	els	Thous.	of short ns	Short tons	Thous. of short tons		g tous
1929: August	114.4	111. 2	113. 0	106. 7	96.6	20, 026	40, 584	38, 315	6, 721	310	4, 004	857	47	46, 004	51, 68
August September October November December	102.3	101. 5 102. 7 101. 4 98. 6 97. 8	100. 7 101. 3 99. 9 96. 1 94. 7	117. 3 121. 3 125. 2 124. 2 123. 9	98. 1 120. 0 132. 7 128. 5 124. 2	12,890 14,299 18,455 20,861 17,770	31, 168 35, 688 34, 113 30, 248 24, 024	37, 349 38, 293 34, 818 38, 931 34, 332	6, 125 6, 573 5, 817 6, 584 6, 200	296 283 336 303 336	3, 611 3, 376 3, 408 3, 114 3, 055	1,002 1,101 1,265 1,508 1,439		48, 482 37, 425 13, 499	9, 083 19, 365 27, 207 35, 474 35, 512
1931: January February March April	96. 6 94. 5 89. 8	96. 2 95. 6 93. 3 96. 7	90. 4 92. 9 89. 8 92. 0	128. 8 130. 7 132. 0 129. 0	107. 7 103. 2 96. 5 91. 5	11, 869 8, 859 11, 929 11, 162	24, 056 28, 751 25, 414 27, 647	24, 488 32, 332 33, 544 35, 585	4, 757 5, 634 5, 740 6, 344	326 249 226 195	3, 092 2, 898 3, 256 3, 146	1, 570 1, 409 1, 506 964	343 640 1, 352 1, 132	22, 750 19, 043 23, 955	45, 890 68, 421 120, 164 67, 008
May June July August Monthly average, January through	93. 0 89. 6 89. 4 86. 6	91. 4 86. 7 86. 2 84. 4	88. 4 84. 1 82. 9 80. 4	129. 3 123. 3 119. 2 119. 0	88. 4 87. 9 86. 7 88. 0	13, 120 11, 975 12, 363	26, 960 25, 981 25, 068	33, 593 34, 747 28, 495 17, 074	5, 996 5, 675 4, 370 2, 607	162 146 143	3, 126 2, 715 2, 569 2, 443	1, 044 1, 024 997 1, 238	195 74 25 40	13, 849 11, 968 35, 160	34, 006 29, 711 18, 809 35, 367
August: 1929 1930 1931		111. 4 106. 7 91. 3	112. 2 106. 9 87. 6	121. 6 130. 7 126. 4	103. 1 101. 9 93. 7	15, 417 11, 973	35, 939 28, 068	36, 802 40, 964 29, 982	6, 570 7, 272 5, 140		3, 956 4, 030 2, 906	870 947 1, 219	633 638 475	35, 302	91, 933 56, 293 52, 423

Automobiles and Rubber

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

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

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

Pneumatic-tire output in July was 13 per cent under

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

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

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

AUTOMOBILE AND RUBBER STATISTICS

		Aut	tomobil	e produ	ction			nobile orts		Auton finan			matic res	Crude	rubber
			United	l States		Canada			Auto- mobile acces- sories,	Ву	D.,		Do-		World
Year and month	F. R. B. index, ad- justed	Total	Pas- sen- ger cars	Taxi- cabs	Trucks	Total pro- duc- tion	Passen- ger cars	Trucks		whole- sale deal- ers	By con- sum- ers	Pro- duc- tion	mestic ship- ments	Im- ports	stocks, end of month
	Month- ly av- erages, 1923- 1925= 100	Thou	sands			Number			Janu- ary. 1925= 100	Millio doll		Thou	ısands	Long	g tons
1929: August	131	499	441	1,040	56, 808	14, 214	22, 123	20,706	88	70	163	4, 354	5, 667	37, 851	261, 721
1930: August September October November	62 62 49 74 85	224 221 154 137 156	184 175 113 101 121	386 930 582 609 1,425	40, 450 44, 223 40, 593 35, 613 33, 443	9, 792 7, 957 4, 541 5, 407 5, 622	7, 956 8, 125 7, 136 6, 039 9, 096	5, 318 5, 312 4, 079 6, 039 5, 102	60 76 79 63 55	45 45 36 30 36	103 90 81 60 66	3, 332 2, 692 2, 866 2, 123 2, 251	3, 976 3, 360 2, 613 2, 119 2, 550	36, 657 35, 783 45, 375 29, 733 37, 370	399, 695 425, 619 425, 423 427, 427 439, 728
1931: January February March April May June July August Monthly average, January	63 68 67 77 77 65 60 53	172 220 276 337 317 251 219 189	138 180 231 286 271 209 183 154	512 529 410 665 340 360 180 104	33, 531 39, 521 45, 161 50, 022 45, 688 41, 342 35, 854 34, 853	6, 496 9, 871 12, 993 17, 159 12, 738 6, 835 4, 220 4, 544	8, 304 9, 187 11, 526 11, 228 8, 468 5, 843 6, 478 5, 699	4, 534 4, 187 6, 002 5, 499 4, 498 4, 340 3, 518 2, 356	46 53 65 66 61 61 57 66	40 50 63 71 73 58 49 44	62 66 92 113 109 105 96 79	2, 940 3, 188 3, 730 3, 955 4, 543 4, 538 3, 941	2, 855 2, 580 3, 143 3, 804 4, 197 4, 320 4, 224	36, 598 34, 374 40, 788 44, 908 35, 844 46, 939 44, 052 39, 033	460, 479 471, 285 487, 716 487, 696 497, 707 496, 238 509, 139 513, 721
through August: 1929 1930 1931	142 91 66	528 336 248	454 283 207	1, 591 674 388	72, 895 52, 171 40, 747	27, 505 16, 333 9, 357	33, 852 15, 337 8, 342	18, 683 8, 051 4, 367	85 70 59	61 64 56	148 113 90	5, 322 3, 855	5, 048 3, 773	50, 426 42, 158 40, 317	254, 297 379, 228 490, 498

Textile Industry

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

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

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

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

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

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

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

TEXTILE STATISTICS

	adjusted	Cotton	ı, raw		C	otton ma	nufactu	res t		w	ool	Wool 1 fact		Silk	price, red
i	Index, ad	consump- tion	Ils and uses, onth	divity,	Cotte te	on textile extile con	es (23 gro struction	ups of as)	price,	t Bos-	territory staple, ed (Bos-	Spin spin	ning dles	o mills	holesale , bleach
Year and month	F. R. B. in	Mill cons	Stocks, mills and warehouses, end of month	Spindle activity, total	Produc- tion	S h i p - ments	Stocks, end of month	Unfilled orders, end of month	Wholesale I Fairchild posite	Receipts, at Boston, total	Price, ter fine, s scoured ton)	Woolen	Worsted	Deliveries to mills	Rayon, wholesale price, A grade, bleached
	Month- ly av- erage, 1923- 1925= 100	Bales	Thou- sands of bales	Mil- lions of spindle hours		Thousan	ds of yard	s	Month- ly av- erage, 1911- 1913= 100	Thou- sands of	Dol- lars per pound	tive he	nt of ac- ours to eported	Bales	Dol- lars per pound
1929: August 1930:	120	558, 754	2, 183	8, 129	307, 538	326, 398	364, 060	355, 095	160	40, 476	. 93	77	69	59, 704	1. 15
1930: August	81 88 91 93 87	352, 626 394, 321 444, 494 414, 887 406, 207	4, 471 6, 215 8, 895 9, 965 10, 037	5, 134 5, 663 6, 239 5, 832 5, 916	218, 815 182, 385 228, 866 206, 633 234, 052	231, 348 232, 975 270, 383 200, 661 226, 951	442, 996 392, 406 350, 889 356, 861 363, 962	226, 422 285, 427 350, 845 333, 251 288, 956	126 124 124 124 122	51, 672 7, 074 12, 739 6, 240 11, 574	.76 .76 .75 .72 .72	48 55 53 52 45	55 60 62 52 52	41, 734 55, 649 61, 937 57, 333 55, 424	. 95 . 95 . 95 . 95 . 95
January	98 98	454, 188 433, 510 490, 586 508, 744 465, 770 455, 388 450, 518 425, 819	9, 553 8, 862 8, 120 7, 404 6, 752 6, 101 5, 519 5, 266	6, 360 6, 110 7, 001 7, 129 6, 739 6, 630 6, 532 6, 193	202, 149 212, 168 271, 638 225, 955 225, 392 260, 163 192, 545 209, 050	210, 597 248, 354 317, 185 217, 582 205, 603 273, 871 211, 331 227, 644	355, 514 319, 328 273, 781 282, 154 301, 943 288, 235 269, 449 250, 855	317, 465 395, 802 373, 951 294, 118 248, 544 330, 575 277, 597 217, 508	120 119 121 119 115 112 111 100	10, 795 13, 269 13, 279 17, 775 30, 341 56, 743 79, 381 36, 850	. 68 . 66 . 66 . 65 . 63 . 62 . 62	48 66 57 55 60 61 64 66	52 54 57 57 66 73 83 78	55, 910 54, 242 55, 383 41, 356 45, 073 42, 161 44, 746 46, 454	. 75 . 75 . 75 . 75 . 75 . 75 . 75
Monthly average, January through August: 1929. 1930. 1931.	118 92 96	608, 808 465, 035 460, 565	3, 904 5, 381 7, 197	8, 554 6, 632 6, 587	298, 353 245, 973 224, 883	301, 814 248, 226 239, 021	371, 891 449, 863 292, 657	414, 144 304, 620 306, 945	162 138 115	30, 615 34, 381	1. 02 . 77 . 64	81 58 60	67 53 65	51, 783 43, 985 48, 166	1. 28 1. 10 . 75

¹ Months do not contain same number of weeks.

Food Industries

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

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

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

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

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

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

FOODSTUFFS STATISTICS

	Food	produc dustry	ts in-		arket-		Wb	eat			Corn		Anin	ial prod	lucts	orts	
	F. R	В.	es	sg i	ets, m s	cipal	ply, ates, th	ding	age, all	cipal	ply,	low,			old- l of	sugar imports	
Year and month	Production adjusted	Employment adjusted	Wholesale prices	Crop marketings	Animal products, market- ings	Receipts, principal markets	Visible supply, United States, end of month	Exports, including flour	Price, wtd. average, 6 markets, all grades	Receipts, principal markets	Visible supply United States	Price, No. 3 yellow, Chicago	Cattle receipts	Hog receipts	Total meats, cold- storage, end of month	Total raw suga	Coffee imports
	Mon aver 1923–19		Monthly average erage 1926=100	Mon aver 1923-19		Milli	ons of bu	ıshels	Dollars per bushel	Millie bus		Dollars per bushel	Thou	sands	Millions of pounds	Thousands of long tons	Thousands of bags
1929: August 1930:	100	99. 9	103. 1	132. 9	100. 0	102	191	17	1. 26	19	6	1. 01	1, 619	2, 964	1, 027	500	875
August September October November December	91 96 94 94 89	93. 0 92. 9 90. 9 91. 4 90. 8	87. 1 89. 2 88. 6 85. 7 81. 8	122. 5 175. 5 212. 1 148. 8 105. 8	91. 4 91. 2 96. 7 88. 5 97. 8	85 63 29 25 22	200 214 205 202 196	24 19 12 8 6	.85 .79 .76 .70 .73	20 16 15 17 27	5 5 7 17	. 99 . 94 . 82 . 71 . 69	1, 605 2, 108 2, 377 1, 696 1, 736	2, 617 2, 799 3, 441 3, 439 4, 002	788 652 534 597 737	313 392 360 344 312	712 991 1, 159 957 1, 098
January	93 92 87 96 91 83 88 88	91, 2 90, 3 89, 9 90, 6 90, 8 88, 7 88, 1 88, 1	80. 1 77. 1 76. 7 75. 6 72. 9 72. 4 73. 1 73. 7	74. 3 66. 8 64. 4 53. 1 62. 0 55. 2 103. 1 86. 0	94. 7 85. 5 94. 0 101. 2 106. 7 118. 0 105. 2 95. 7	29 31 31 21 31 30 104 67	197 202 207 200 198 191 218 243	6 4 5 7 10 12 17 12	.71 .71 .75 .76 .67 .47	19 21 19 17 11 13 16 12	18 20 22 20 12 8 9 8	. 65 . 61 . 60 . 58 . 56 . 58 . 57 . 46	1,508 1,303 1,535 1,617 1,551 1,540 1,488 1,821	4, 652 3, 704 3, 207 3, 067 2, 938 2, 854 2, 511 2, 454	959 1,092 1,072 1,100 1,062 1.014 946 798	204 364 515 415 313 382 413 532	1, 094 1, 289 1, 407 1, 126 1, 415 1, 037 1, 100 884
uary through August: 1929 1930 1931	99 94 90	99. 8 96. 5 89. 7	99. 4 92. 1 75. 2	81. 4 70. 9 70. 6	100. 1 100. 8 100. 1	42 36 43	128 151 207	11 13 9	I. 15 1. 01 . 66	22 22 16	22 14 15	. 94 . 84 . 58	1, 554 1, 531 1, 545	3, 640 3, 387 3, 173	1, 195 964 1, 006	551 391 392	941 988 1, 169

Forest Products

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

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

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

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

Production of southern pine, Douglas fir, and hardwoods this year have averaged less than new orders, whereas last year up to this time production was exceeding the receipt of new orders. This reflects a better technical position of the industry although operations are at a low level.

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

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

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

FOREST PRODUCTS STATISTICS

	Gene	ral oper	ations	Inde mark	xes of ceting	Sou	ıthern	pine	I	Oouglas	fir ¹	н	ardwoo	ds		Furni-
Year and month	Lum- ber pro- duc- tion ad- justed F. R. B.	Em- ploy- ment, ad- justed	Pay roll, unad- justed	Total forest prod- ucts	Naval stores	Pro- duc- tion	New orders	Un- filled orders	Pro- duc- tion	New orders	Un- filled orders	Pro- duc- tion	New orders	Un- filled orders	Car- load- ings, forest prod- ucts	ture, un- filled orders, south- east- ern district
	M	onthly a	verage 19	23-1925=	100			М	illions of	feet boa	rd measu	ıre			Thou- sands of cars	Dollars per firm
1929: August	1	90. 5	94. 7	91.7	189. 0				354	328	245	334	300	645	344	
August September October November December	61 57 54 47 50	65. 1 62. 4 62. 1 60. 4 58. 8	61. 6 60. 9 60. 4 54. 7 50. 4	66. 0 60. 2 68. 2 62. 9 58. 0	171. 2 158. 2 143. 1 112. 9 117. 7	202 207 211 185 157	189 206 213 177 146	124 112 109 105 99	207 200 208 192 167	223 218 203 186 189	135 176 138 176 188	165 161 158 143 134	139 176 154 133 125	500 475 466 452 456	207 162 159 174 121	42, 268 43, 680 29, 117 19, 917 14, 400
January February March. A pril May June. July. August Monthly average, January	49 50 49 44 40	56. 3 56. 3 55. 7 55. 4 55. 4 54. 4 52. 0 51. 1	44. 0 45. 6 46. 2 44. 9 45. 7 44. 6 41. 7 41. 3	55. 9 55. 9 60. 9 64. 0 68. 4 67. 5 66. 6 67. 0	37. 1 25. 5 39. 7 98. 3 136. 5 189. 9 186. 7 141. 5	165 154 165 165 148 127 122 120	191 171 174 169 158 140 147 151	116 107 113 104 84 78 83 .85	160 179 186 202 207 200 149 172	192 189 217 224 189 191 181 188	183 182 197 216 136 163 166 111	143 158 165 146 146 143 109	169 188 173 154 158 176 139	456 481 473 463 431 419 402 375	156 138 138 130 165 125 106 138	31, 781 34, 160 29, 798 28, 248 19, 338 56, 865 47, 997 47, 706
through August: 1929 - 1930 - 1931 -	93 74 47	89. 3 73. 4 54. 6	90. 3 70. 3 44. 3	88. 0 70. 5 63. 3	118.3 117.2 106.9	244 146	223 163	166 96	333 262 182	350 256 196	341 222 169	313 228 139	310 181 161	641 588 438	286 219 137	39, 699 36, 987

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

Miscellaneous Industries

LEATHER

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

PAPER AND PRINTING

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

NONFERROUS METALS

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

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

FUELS

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

STATISTICS ON MISCELLANEOUS INDUSTRIES

		ther an product		Paper	and pr	inting			Nonf	errous 1	netals			Fuel	i produ	ction
	F. R. B. pro- duc-	Shoes	Sole and belt- ing	F.R.B. pro- duc-	News	sprint	F. R. B. pro- duc-	En	ıploym	ent	Cop- per, smelt- er	Lead, refined	Tin	Bitu-	An-	Crude
Year and month	tion index, ad- justed	Produ	iction	tion index, ad- justed	Pro- duc- tion	Con- sump- tion by pub- lishers	tion index, ad- justed	Ad- justed	Unad- justed			ıction	Deliv- eries	mi- nous	thra- cite	petro- leum
	Month- ly av- erage 1923- 1925= 100	Mil- lions of pairs	Mil- lions of pounds	Month- ly av- erage 1923- 1925= 100		ands of t tons	Month	ly averag	ge 1923-1	925=100	Shore	t tons	Long tons		ands of tons	Mil- lions of barrels
1929: August	108	36	26	125	121	172	124	101. 2	99. 8	113. 2	91, 735	58, 503	7, 185	44, 695	5, 735	92
1930:	95 95 89 81 81	28 29 28 19 18	23 23 23 19 22	109 109 107 103 98	102 95 105 92 99	157 164 183 185 167	96 97 95 87 85	76. 1 73. 6 72. 6 71. 8 71. 2	75. 1 72. 5 71. 6 70. 9 70. 2	72. 0 70. 7 69. 4 67. 3 67. 9	66, 698 68, 487 70, 419 64, 816 60, 022	52, 980 48, 491 50, 402 43, 423 48, 517	5, 695 7, 250 7, 580 6, 270 7, 495	35, 661 38, 632 44, 150 38, 122 39, 716	6, 081 5, 293 7, 576 5, 207 6, 086	78 71 73 68 68
1931: January February March April May June July August Monthly average, January	78 87 92 103 107 101 101 102	20 24 29 30 28 28 28 33	20 17 18 20 18 20 19	106 110 110 110 113 108 109	102 89 101 102 101 101 100 88	161 150 179 174 180 161 157 146	78 79 77 73 73 68 65 64	69. 2 66. 8 66. 6 66. 5 66. 6 65. 4 64. 2 63. 1	68. 4 68. 1 68. 8 68. 1 67. 4 65. 4 63. 4 62. 3	64. 1 64. 4 66. 3 65. 4 63. 4 59. 1 54. 5 52. 9	53, 429 55, 229 57, 922 52, 085 53, 734 51, 652 46, 503 47, 246	43, 405 39, 464 41, 775 35, 498 39, 519 30, 708 32, 157 30, 249	7, 210 5, 100 6, 120 6, 630 5, 505 5, 185 5, 100 5, 270	38, 542 31, 408 33, 870 28, 478 28, 314 29, 185 29, 790 30, 534	6, 157 5, 391 4, 745 5, 700 5, 005 4, 544 3, 954 4, 314	66 63 73 77 78
through August: 1929 1930 1931	104 98 96	30 27 28	24 24	125 117	117 111 98	185 178 164	129 101 72	103. 4 81. 0 66. 1	104. 1 81. 5 66. 5	120. 3 85. 0 61. 3	100, 585 74, 158 52, 225	59, 691 53, 034 36 , 597	7,768 6,204 5, 76 5	42, 990 37, 626 31, 26 5	5, 758 5, 619 4, 676	8· 7'

LIFE INSURANCE—PREMIUM COLLECTIONS 1

[Thousands of dollars]

				-							
	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
					ТОТА	L INSURA	NCE				
January February March April May June June July August September October November December	101, 735 98, 468 112, 377 109, 343 104, 266 106, 077 103, 482 98, 740 95, 478 104, 717 101, 700 130, 289	109, 411 111, 756 125, 303 114, 200 117, 999 116, 063 114, 729 111, 076 101, 743 114, 152 114, 151 148, 789	123, 997 121, 771 139, 260 130, 938 131, 275 131, 122 128, 213 127, 140 113, 911 131, 112 130, 917 171, 697	138, 646 140, 932 145, 920 144, 985 150, 084 142, 913 146, 656 134, 286 131, 008 145, 617 138, 515 205, 434	157, 556 153, 000 174, 738 167, 663 167, 240 163, 046 165, 593 151, 227 147, 548 161, 683 161, 245 229, 976	170, 949 169, 364 190, 301 183, 126 176, 103 180, 221 180, 851 165, 372 162, 633 174, 412 177, 097 236, 164	188, 381 184, 058 209, 818 200, 358 194, 465 201, 223 190, 493 189, 754 178, 808 192, 072 194, 924 264, 488	211, 129 220, 108 226, 439 214, 455 223, 832 211, 999 213, 230 199, 319 190, 824 216, 627 210, 763 285, 694	223, 611 230, 246 239, 319 236, 386 234, 187 221, 879 239, 199 217, 478 206, 336 229, 926 224, 519 299, 023	247, 690 231, 383 262, 403 241, 280 247, 945 238, 686 240, 976 222, 020 220, 002 236, 666 226, 944 333, 743	254, 00 244, 32 270, 08 258, 92 268, 65 256, 58 260, 10 234, 65
					ORDINA	RY INSU	RANCE				
January February March April May June July August September October November December	77, 905 77, 492 89, 610 85, 604 80, 580 83, 415 79, 543 74, 031 71, 937 79, 127 78, 697 99, 149	82, 413 88, 056 98, 754 89, 983 91, 189 89, 420 87, 464 83, 602 76, 637 86, 138 87, 629 109, 624	93, 945 93, 534 108, 752 101, 031 102, 252 100, 182 97, 406 96, 209 84, 838 98, 241 99, 377 119, 800	106, 045 108, 162 111, 422 113, 205 114, 688 107, 888 113, 019 99, 417 95, 049 109, 188 103, 731 141, 633	116, 835 116, 975 128, 544 128, 710 127, 080 121, 806 125, 554 109, 737 107, 367 119, 073 118, 552 157, 858	124, 695 123, 456 142, 143 139, 123 131, 553 132, 268 133, 7851 117, 851 118, 023 125, 689 127, 489 154, 534	135, 396 135, 969 158, 510 149, 281 143, 772 149, 477 138, 262 135, 207 128, 751 137, 008 141, 789 168, 114	148, 947 154, 292 168, 961 157, 836 165, 718 154, 916 152, 862 143, 336 135, 743 154, 489 155, 032 181, 752	160, 867 160, 630 175, 645 172, 282 174, 278 158, 733 169, 773 154, 206 143, 078 169, 724 156, 465 190, 844	164, 920 162, 709 182, 665 173, 929 175, 397 166, 190 170, 847 150, 754 147, 954 154, 473 191, 871	170, 49 166, 75 186, 45 183, 99 175, 56 173, 94 178, 39 154, 57
					INDUST	RIAL INSU	JRANCE		, , , , , , , , , , , , , , , , , , ,		<u> </u>
January February March April May June July August September October November December	21, 804 19, 649 21, 436 21, 946 22, 266 21, 381 22, 233 23, 216 22, 354 23, 927 21, 762 29, 071	24, 560 22, 201 25, 195 22, 805 25, 155 25, 318 25, 717 26, 128 23, 709 26, 456 24, 813 36, 957	28, 002 25, 706 28, 640 27, 869 27, 339 29, 169 28, 877 29, 006 27, 378 30, 697 29, 195 48, 803	29, 867 30, 200 32, 814 29, 235 32, 963 32, 758 32, 530 33, 811 33, 404 32, 191 59, 616	36, 550 32, 901 37, 022 33, 829 36, 574 37, 977 36, 664 37, 808 37, 057 38, 951 39, 074 65, 018	41, 247 37, 801 43, 344 40, 763 40, 299 43, 747 42, 639 43, 419 40, 827 43, 988 45, 281 73, 947	45, 920 43, 286 45, 534 45, 650 46, 584 47, 108 49, 220 45, 741 49, 272 48, 273 89, 926	54, 564 48, 193 51, 013 50, 691 52, 184 51, 509 53, 072 50, 228 49, 343 55, 691 49, 154 96, 864	53, 806 51, 956 56, 159 55, 768 52, 218 55, 801 57, 932 56, 173 51, 705 57, 973 97, 619	58, 711 55, 659 65, 605 53, 948 58, 459 59, 522 54, 602 58, 961 59, 859 55, 851 58, 108	62, 63 56, 33 62, 95 53, 84 59, 88 60, 63 55, 61 62, 87
,		<u> </u>	,		GROU	UP INSUR	ANCE	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		<u>.</u>
January February March April May June July August September October November December	2, 026 1, 327 1, 331 1, 793 1, 420 1, 281 1, 706 1, 493 1, 187 1, 663 1, 241 2, 069	2, 438 1, 499 1, 354 1, 412 1, 655 1, 325 1, 548 1, 346 1, 397 1, 558 1, 709 2, 208	2, 050 2, 531 1, 868 2, 038 1, 684 1, 771 1, 930 1, 925 1, 695 2, 174 2, 345 3, 093	2, 734 2, 570 1, 684 2, 545 2, 435 2, 281 2, 879 2, 339 2, 148 3, 025 2, 593 4, 185	4, 171 3, 124 9, 172 5, 124 3, 586 3, 263 3, 375 3, 682 3, 124 3, 659 3, 619 7, 100	5, 007 4, 814 3, 240 4, 251 4, 206 4, 457 4, 102 3, 783 4, 735 4, 327 7, 683	7, 065 4, 803 5, 774 5, 427 4, 943 5, 162 5, 123 5, 327 4, 316 5, 792 4, 862 6, 448	7, 618 17, 623 6, 465 5, 928 5, 930 5, 574 4, 296 5, 705 6, 738 6, 447 6, 577 7, 078	8, 938 17, 660 7, 515 8, 336 7, 691 11, 494 7, 129 6, 485 8, 497 10, 081 10, 560	9, 669 8, 099 8, 344 7, 598 8, 003 7, 615 8, 480 6, 508 7, 220 7, 944 7, 269 9, 591	10, 10 8, 74 8, 75 8, 38 8, 03 8, 11 8, 11 7, 89
	!					ANNU	ITIES				
January February March April May June July August September October November December				•						14, 390 4, 916 5, 789 5, 805 6, 086 5, 359 7, 047 5, 797 5, 016 6, 917 7, 094 19, 615	10, 7- 12, 4 11, 9 12, 6 25, 1' 13, 88 17, 9 9, 3

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

WEEKLY BUSINESS INDICATORS

[Weekly average, 1923-1925=100]

		1931	L		1930)		1929	•			1931			1930	•		1929	•
ITEM	Sept.	Sept.	Sept.	Sept. 27	Sept.	Sept.	Sept.	Sept.	Sept.	ITEM	Sept.	Sept.	Sept.	Sept.	Sept.	Sept.	Sept.	Sept.	Sept 14
*Composite index, N. Y. Times		68.0	70.0	83.6	85.2	86.4	106.1	105.6	108 9	Wholesale prices—Continued.									
*Composite index, Business Week		71 3	71.8	86.2	85 6	84 1	109.3	108.7	106.2	Fisher's index (1926=100-					1			1	-
Detroit employment		1	70.4	74.8	00.0	80.8	119.0	100	127 0	Total (120)	68 6	69.0	68.9	83 1	83.6	83 4	95.8	96 1	96
Production:		1	1	1		1	i		1 1	Agricultural products (30)		3			87. 1				
Beehive coke		7.3	6.9	17. 1	15. 9	15, 5	48.6	50, 2	50, 2	Nonagricultural products	0111	1	00.0	00.	, 0112	011.2	102.0	102.0	1.02.
Rituminous coal		74 5	1 60 G	03 4	01 5	03 8	110 1	1112 0	112 A	(90)	71.€	3	72. 2	80.7	80.9	80. 9	92. 2	92. 3	92.
Building (new awards)			68.7	82. 9		74.8	106.0		113.0	Iron and steel composite	74. 9		75. 0	78. €	78.8	78. 9	88. 0	88. 2	88.
†Electric current		99.8	95, 0	102.9	103.4	103. 7	106. 7	107. €	108.4	Banking and finance:		1	1		1				1
retroieum	100. 0	100. 7	92.1	1114, 7	(110. o	110, 2	100. 4	140. 4	142.0	Bank debits outside N. Y. C	88.2	94.7	63.1	106. 5	5116.0	99.8	147.8	155. 3	136.
Steel ingots		38. 2	39.5	78. 9	78.9	76.3	111, 8	107. 9	111.8	Bond prices					108.7				
Receipts:				1		ļ	1	i		Business failures (number)	118. 7	7 104.7	97.3	119. 9	122, 1	113.8	105. 2	88. 5	97.
Cattle and calves										Federal reserve ratio		101, 2	102. 6	105. 8	3105.3	104.9	95. 2	95. 2	4 95.
Cotton	176. 5	6 131. 9	86.9	198.8	202.7	180.8	245. 8	202.3	172. 1	Interest rates, call	36.4	1 36.4	36. 4	48.	54.5	60.6	215. 1	203. 0	197.
Hogs	60.9	58. 2	56.7	63.8	60.4	60. 1	77.8	66. 4	69. 2	Interest rates, time					7 74.3				
Wheat															3 135, 1				
Distribution: Car loadings		77. 5	5 69, 6	99, 1	99, 4	100. 7	125.5	121. 8	120. 3						92.3				
Wholesale prices:									1.00 0	Net demand deposits									
Copper, electrolytic	49.3	51.4	52.9	$\frac{1}{2}$ 71, 7	73.9	75.4	129. (129. 0	129.0						7 203. 8				
Cotton, middling, spot	23.2	23. 5	oj 25. 0	38. 2	40.1	40.8	ნე და. გ	08.8	69, 9	Time deposits	150.8	5 152. 1	L[153. 3	165.	2 164. 3	164. 9	150.6	150.1	1 150.

^{*} Relative to a computed normal taken as 100.

WEEKLY BUSINESS STATISTICS

		1931			1930			1929		19	28
ITEM	Sept. 26	Sept. 19	Sept. 12	Sept. 27	Sept. 20	Sept. 13	Sept. 28	Sept. 21	Sept. 14	Sept. 29	Sept. 22
PRODUCTION AND DISTRIBUTION											
Bituminous-coal production		7, 256 1, 663	6, 784 11, 026 1, 582	9, 103 13, 317 1, 714	8, 920 1, 722	9, 145 12, 013 1, 727	11, 605 17, 023 1, 778	11, 013 1, 792	11, 008 18, 137 1, 806	11, 056 29, 086 1, 623	10, 02
Corn. thous, of bu. Wheat. thous, of bu. Wheat thous, of bu. Treight cars:		20 2, 371 178	23 1, 202 81	2, 367 387	$\begin{array}{r} 46 \\ 3,060 \\ 350 \end{array}$	46 2, 451 323	97 1, 377 288	3, 087 281	45 3, 485 239	3, 658 274	4, 56 32
Loadings, total cars Coal and coke cars Coal and coke cars Forest products cars Grain and grain products cars Livestock cars Merchandise c cars Miscellaneous cars Ore cars Net available surplus (da. av.) cars Petroleum production (da. av.) thous, of bbls Receints:		217, 912	667, 750 116, 924 24, 167 33, 572 23, 743 187, 645 251, 413 30, 286 571, 014 1, 919	950, 381 161, 134 42, 159 43, 119 28, 976 244, 733 382, 139 48, 095 394, 032 2, 390	952, 561 162, 043 41, 496 46, 125 27, 175 244, 800 382, 137 48, 785 389, 687 2, 422	965, 813 168, 092 40, 800 49, 920 26, 903 243, 044 386, 267 50, 787 391, 819 2, 420	1, 203, 139 223, 423 63, 781 49, 049 35, 000 273, 494 489, 535 68, 857 118, 523 2, 900	1, 167, 395 204, 756 62, 576 51, 775 32, 135 271, 407 475, 790 68, 956 131, 850 2, 925	1, 153, 274 199, 604 64, 826 52, 890 29, 273 269, 387 467, 694 69, 600 147, 845 2, 965	1, 196, 965 217, 099 66, 615 63, 325 36, 743 270, 568 480, 511 62, 104 105, 017 2, 510	1, 144, 13 191, 22 64, 47 60, 26 36, 84 266, 65 460, 30 64, 35 93, 20 2, 50
Cattle and calves (12 markets) thous Cotton into sight thous of bales Wheat, primary markets thous, of bales Wool, total, Boston thous lbs Steel-ingot production per cent capacity	269 459 841	282 343 8, 907 3, 379 29	252 226 9, 353 12, 277 30	319 572 11, 516 1, 335 60	325 527 13, 317 686 60	313 470 16, 876 1, 296 58	384 639 11, 123 1, 691 85	347 526 10, 811 2, 000 82	316 449 11, 663 11, 902 85	385 667 19,793 1,963 86	44 52 18, 36 2, 40 8
WHOLESALE PRICES Chemical index. rel. to 1924. Copper ingots, electrolytic, New York dolls. lb. Cotton middling, spot, New York dolls. lb. Food index (Bradstreet's) dolls. lb. Iron and steel composite dolls. ton. Wheat, No. 2, hard winter, Kansas City dolls. bu	106. 3 . 068 . 063 2. 15 31. 02 . 43	106. 3 . 071 . 064 2. 19 31. 03 . 45	106. 3 . 073 . 068 2. 17 31. 04 . 42	107. 2 . 099 . 104 2. 71 32. 56 . 77	107. 2 . 102 . 109 2. 77 32. 64 . 78	107. 2 . 104 . 111 2. 79 32. 68 . 80	112. 5 . 178 . 187 3. 31 36. 44 1. 23	112. 2 . 178 . 187 3. 33 36. 52 1. 25	113. 1 . 178 . 190 3. 34 36. 52 1. 26	108.7 . 150 . 193 3. 41 35. 29 1. 10	108. . 14 . 18 3. 4 35. 2 1. 0
Bank debits: New York Citymills. of dolls. Outside New York Citymills. of dolls.	5, 231 4, 018	5, 261 4, 315	2, 824 2, 877	6, 157 4, 850	6, 753 5, 285	5, 375 4, 548	12, 673 6, 736	12, 028 7, 074	12, 409 6, 235	9, 287 5, 751	9, 71 6, 50
Bond sales, New York Stock Exchange: United States Governmentthous, of dolls Average price 40 corporation bondsdolls Business failuresnumber	15, 181 89, 02 483	6, 141 90, 80 426	4, 807 92, 49 396	2, 629 97. 58 488	3, 549 97, 37 497	1, 632 97, 21 463	1, 991 92. 18 428	1,419 92.32 360	2, 548 92, 30 397	2, 108 96. 64 400	1, 80 96. 6 43
Federal reserve banks: Bills discountedmills, of dolls Total reservesmills. of dolls	310 3, 492	263 3, 648	260 3, 629	167 3, 141	163 3, 127	183 3, 112	944 3, 162	934 3, 156	973 3, 146	1, 011 2, 771	1, 09 2, 76
Federal reserve reporting member banks: Total loans and disounts mills. of dolls. Total investments mills. of dolls. "Other" loans mills. of dolls. Net demand, deposits mills. of dolls. Time deposits mills. of dolls. Foreign exchange, sterling dolls.	6,837	14, 263 7, 869 7, 849 13, 134 6, 895 4, 86	14, 333 7, 683 7, 891 13, 195 6, 950 4. 86	16, 912 6, 385 8, 458 13, 542 7, 489 4. 86	16, 881 6, 369 8, 484 13, 618 7, 448 4, 86	16, 812 6, 353 8, 488 13, 700 7, 478 4, 86	17, 244 5, 438 9, 524 13, 072 6, 829 4, 85	17, 254 5, 489 9, 567 13, 179 6, 805 4, 85	17, 142 5, 429 9, 564 13, 283 6, 799 4, 85	15, 868 6, 016 9, 058 12, 981 6, 848 4, 85	15, 94 6, 03 9, 06 13, 04 6, 83 4, 8
Time money, New Yorkper centCall money, New Yorkper cent Money in circulation (daily average) _mills, of dolls _	1. 75 1. 50 5, 176	1. 50 1. 50 5, 108	1.75 1.50 5,105	2. 96 2. 00 4, 470	3. 25 2. 25 4, 481	3.30 2.50 4,494	9. 13 8. 88 4, 782	9. 00 8. 38 4, 798	9. 00 8. 13 4, 822	7.38 6.75 4,806	7. 2 7. 7 4, 78
A verage price 50 stocks thous, of shares Sales thous, of shares	99. 27 16, 084	104. 20 14, 337	112.30 8,299	188. 11 16, 179	197. 94 9, 677	204. 46 11, 331	296. 13 24, 557	303. 53 23, 475	299. 11 26, 400	204. 36 22, 751	204, 9 23, 75
Stock prices, average weekly closing: Industrials, rails, and utilities (404) _rel. to 1926 All industrials (337) rel. to 1926 All railroads (33) rel. to 1926 All utilities (34) rel. to 1926	78. 8 73. 0 58. 2 123. 8	81. 2 76. 0 52. 4 131. 0	87. 8 81. 4 57. 5 144. 4	142. 1 132. 5 119. 7 206. 4	150. 1 140. 2 123. 0 219. 5	153. 6 144. 0 124. 9 223. 8	224. 2 213. 3 164. 4 330. 4	228, 1 218, 5 169, 4 327, 9	222. 1 216. 9 167. 9 312. 4	156. 4 162. 1 128. 9 155. 7	157. 163. 129. 156.

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

² Revised.

Monthly Business Statistics

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

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Montestard Indexes					Page									Page
Stone, clay, and glass	Industrial indexes				_ 23	Com	nodity	groups	Conti	nued.				
Automobiles	Wholesale prices				_ 24									
Chemicals and allied products														
Forest products														
Forest products														
Leather products														
Tron and steel														
Machinery 37														
Nonferrous metals						Forei	gn trad	le					-	
Paper and its products	Machinery													
Printing														
The foliable The														
Barlier data for items shown here may be found in the 1931 Annual Supplement to the Suresy August July June May April March February January December November September Sep	Printing				. 40	Finar	ice							53
INDUSTRIAL PRODUCTION Federal Reserve Board Fede	Earlier data for items shown here may				1931							1930		
Total, unadjusted.	be found in the 1931 Annual Supple-	August	July	June	May	April	March		January			October		August
Total, unadjusted	INDUSTRIAL PRODUCTION													
Manufactures, total unadjusted rel. to 1923-25. 70 79 79 79 79 79 79 79													İ	
Manufactures, total unadjusted rel. to 1923-25. 70 79 79 79 79 79 79 79	Total, unadjustedrel. to 1923-25	79	280	83				2 87	82	78	85	90	2 92	90
Automobiles. — rel. to 1923-25. 600	Total, adjustedrel. to 1923-25	80		84				86	82	82 76		87 88		j 91
Cement	Manufactures, total adjustedrel. to 1923-25	80	83	84	289	289	2 87	2 85	81	80	84	85	90	91
Food products	Cementrel. to 1923-25	102	108	112	96	90	81	80	84	83	86	97		62
Leather and shoess	Food productsrel. to 1923-25			83 64	91 72		87 78	92			94	94 75		91
Paper and printing	Leather and shoesrel. to 1923-25	102	2101	101	107	102	92	87	77	81	80	89	95	95
Petroleum refining	Paper and printingrel. to 1923-25 Paper and printingrel. to 1923-25	04			113	110	110	111	107	101	103	107		
Tobacco manufactures	Petroleum refiningrel. to 1923-25									149	151			
Tobacco manufactures	Auto tires and tubesrel. to 1923-25		112	126	123	107	98	94	88	73	77	88	84	96
Bituminous coal.	Tobacco manufacturesrel. to 1923-25	118	122	133	137	134	131	132	121	128	119	129	125	130
Bituminous coal.	Minerals, total unadjustedrel. to 1923-25 Minerals, total adjustedrel. to 1923-25		85 84	85 85		83 92	82 87	84 88	86	89 94	95			
Crude petroleum	Anthraciterel. to 1923-25	61	57	66	71	84	72	89	93	93	83	105	80	2 86
Industrial Consumption of Electrical Energy	Copperrel. to 1923–25	59	59	67	68	69	70	76	72	76	83	83	89	82 84
Silver	Crude petroleumrel. to 1923-25 Iron-ore shipmentsrel. to 1923-25				$\frac{122}{27}$							115 74		117 96
Consumption of Electrical Energy Consumption of Sections: United States	Leadrel. to 1923-25	61	64	60	78 51		79	82	83	92	83	94	101	106
Consumption by geographic sections: United States rel. to 1923-25. 97. 3 97. 9 101. 7 109. 8 106. 4 108. 2 110. 3 97. 6 99. 1 105. 4 103. 2 110. 7 106. 9 New England rel. to 1923-25. 89. 9 100. 6 98. 4 104. 4 109. 4 105. 8 105. 5 90. 2 86. 3 96. 3 98. 2 88. 1 87. 1 North Central rel. to 1923-25. 90. 0 92. 1 102. 7 109. 2 105. 0 105. 7 109. 0 100. 2 99. 0 100. 6 107. 3 110. 6 122. 0 101. 0	Zinerel. to 1923–25						65	65	65	68	70		93	
United States	Industrial Consumption of Electrical Energy													
New England rel. to 1923-25. 89.9 100.6 98.4 104.4 109.4 105.8 105.5 90.2 86.3 98.2 88.1 87.1 North Ceutral rel. to 1923-25. 90.0 92.1 102.7 109.2 105.0 105.7 109.0 100.2 99.0 100.6 107.3 110.6 122.0 Middle Atlantic rel. to 1923-25. 99.5 95.7 91.5 101.3 97.6 102.8 108.0 98.6 97.5 103.5 99.6 103.1 94.3 Southern rel. to 1923-25. 112.8 117.5 114.3 118.2 108.6 117.5 130.6 105.8 116.4 113.4 118.4 120.1 110.2 Western rel. to 1923-25. 90.8 106.4 119.1 114.0 115.7 120.0 111.0 99.9 121.3 116.1 130.9 125.0 Consumption by industries: All industry rel. to 1923-25 97.3 97.9 101.7 109.8 106.4 108.2 110.3 97.6 99.1 104.3 103.2 110.7 106.9 Automobiles, including repair parts rel. to 1923-25 146.4 147.0 136.2 126.8 122.0 116.8 112.9 118.3 107.1 124.4 137.2 148.6 141.2 Leather and its products rel. to 1923-25 77.1 83.8 85.4 81.0 83.9 71.2 76.1 71.6 68.7 73.0 84.9 73.5 87.7 Lumber and its products rel. to 1923-25 75.0 74.5 81.5 98.5 99.5 112.2 114.0 97.4 102.3 99.5 101.2 105.6 97.4 102.3 99.5 101.2 101.8 110.2 106.5 126.0 110.3 112.0 110.3 112.0 110.3 112.0 110.3 112.0 110.3 112.0 110.3 112.0 110.3 112.0 110.5 110.3 112.0 110.5 112.3 110.5 112.3 110.5 112.3 110.5 112.3 110.3 110.7 106.9 110.9		07.0	0.7	40	-00.0		100.0		07.0					100.0
North Central rel. to 1923-25. 90. 0 92. 1 102. 7 109. 2 105. 0 105. 7 109. 0 100. 2 99. 0 100. 6 107. 3 110. 6 122. 0 101. 0 101. 102. 103. 5 99. 6 103. 1 94. 3 103. 0 104. 1 100. 5 101. 3 97. 6 102. 8 108. 0 96. 6 105. 8 116. 4 113. 4 118. 4 120. 1 110. 6 122. 0 110. 0 102. 1 110. 0	New Englandrel. to 1923-25	89.9	100.6	98.4	104.4		108. 2 105. 8		90. 2				88.1	87.1
Southern	North Centralrel. to 1923-25	90.0	92. 1	102. 7	109. 2	105. 0	105. 7	109.0	100. 2	99.0	100.6	107. 3	110.6	122.0
Consumption by industries: All industryrel. to 1923-25. 97. 3 97. 9 101. 7 109. 8 106. 4 108. 2 110. 3 97. 6 99. 1 104. 3 103. 2 110. 7 106. 9 Automobiles, including repair partsrel. to 1923-25. 43. 6 55. 9 71. 3 89. 7 90. 8 94. 1 88. 9 67. 5 71. 5 74. 9 80. 9 88. 4 86. 6 Food and kindred productise l. to 1923-25. 146. 4 147. 0 136. 2 126. 8 122. 0 116. 8 112. 9 118. 3 107. 1 124. 4 137. 2 148. 6 141. 2 Leather and its productsrel. to 1923-25. 77. 1 83. 8 85. 4 81. 0 83. 9 71. 2 76. 1 71. 6 68. 7 73. 0 84. 9 73. 5 87. 7 Lumber and its productsrel. to 1923-25. 79. 4 76. 9 86. 3 97. 2 91. 5 93. 2 84. 2 82. 6 73. 3 86. 5 77. 1 105. 6 97. 7 Metals group	Southernrel. to 1923-25	112.8	117.5	114.3	118. 2	108. 6	117.5	130.6	105. 8	116.4	113. 4	118.4	120.1	110. 2
All industryrel. to 1923-25. 97.3 97.9 101.7 109.8 106.4 108.2 110.3 97.6 99.1 104.3 103.2 110.7 106.9 Automobiles, including repair partsrel. to 1923-25. 43.6 55.9 71.3 89.7 90.8 94.1 88.9 67.5 71.5 74.9 80.9 88.4 86.6 Food and kindred products rel. to 1923-25. 146.4 147.0 136.2 120.8 122.0 116.8 112.9 118.3 107.1 124.4 137.2 148.6 141.2 Leather and its productsrel. to 1923-25. 77.1 83.8 85.4 81.0 83.9 71.2 76.1 71.6 68.7 73.0 84.9 73.5 87.7 Metals group	Consumption by industries:							ł			ì	1		
repair parts rel. to 1923-25. 43.6 55.9 71.3 89.7 90.8 94.1 88.9 67.5 71.5 74.9 80.9 88.4 86.6 Food and kindred productise It of 1923-25. 71.4 84. 417.0 136.2 126.8 122.0 116.8 112.9 118.3 107.1 124.4 137.2 148.6 141.2 Leather and its products rel. to 1923-25. 77.4 83.8 85.4 81.0 83.9 71.2 76.1 71.6 68.7 73.0 84.9 73.5 87.7 Lumber and its products rel. to 1923-25. 79.4 70.9 86.3 97.2 91.5 93.2 84.2 82.6 73.3 86.5 77.1 105.6 97.7 Metals group rel. to 1923-25. 75.0 74.5 81.5 98.5 99.5 112.2 114.0 97.4 102.3 99.5 101.2 101.4 100.3 Metal-working plants rel. to 1923-25. 73.3 69.3 78.6 94.0 94.6 103.5 112.3 95.0 97.8 89.6 87.0 97.4 95.2 Rolling mills and steel plants rel. to 1923-25. 78.0 83.1 86.6 106.8 108.1 119.4 116.5 103.4 110.2 106.5 126.0 110.3 112.0 Paper and pulp rel. rel. to 1923-25. 121.7 104.0 112.4 135.1 109.6 123.0 127.0 111.8 117.0 112.3 120.0 110.3 112.0 Rolber and its products rel. to 1923-25. 98.5 97.4 121.0 122.3 109.0 109.6 122.0 106.5 84.3 99.0 107.2 110.5 Shipbuilding rel. to 1923-25. 85.6 82.0 84.8 89.7 92.5 98.3 114.8 113.9 99.0 105.5 121.5 124.1 122.8 Stone, clay, and glass rel. to 10523-25. 105.9 106.9 106.8 108.1 110.2 67.5 3 100.6 106.2 106.5 121.5 124.1 122.8	All industryrel, to 1923-25_	97.3	97. 9	101. 7	109.8	106. 4	108. 2	110. 3	97. 6	99. 1	104. 3	103. 2	110.7	106. 9
Lumber and its productsrel. to 1923-25 75.0 74.5 81.5 98.5 99.5 112.2 114.0 97.4 102.3 99.5 101.2 101.4 100.3 Metals group	repair partsrel. to 1923-25			71.3								80.9		86. 6
Lumber and its productsrel. to 1923-25 75. 0 74. 5 81. 5 98. 5 99. 5 112. 2 114. 0 97. 4 102. 3 99. 5 101. 2 101. 4 100. 3 Metals working plants .rel. to 1923-25 75. 0 74. 5 81. 5 98. 5 99. 5 112. 2 114. 0 97. 4 95. 2 Rolling mills and steel plants .rel. to 1923-25 78. 0 83. 1 86. 6 106. 8 108. 1 119. 4 116. 5 103. 4 110. 2 106. 5 126. 0 110. 3 115. 1 Rubber and its productsrel. to 1923-25 98. 5 97. 4 121. 0 122. 3 109. 0 109. 6 122. 0 106. 5 84. 3 95. 3 99. 0 107. 2 110. 5 Shipbuilding rel. to 1923-25 85. 6 82. 0 84. 8 89. 7 92. 5 98. 3 114. 8 113. 9 99. 0 105. 5 121. 5 124. 1 122. 8 Stone, clay, and glass rel. to 1923-25 105. 9 104. 8 118. 7 132. 0 116. 5 105. 1 102. 6 75. 3 100. 6 106. 5 121. 5 118. 2	Leather and its productsrel. to 1923-25	77.1			81.0									87. 7
Metal-working plantsrel. to 1923-25 73.3 69.3 78.6 94.0 94.6 103.5 112.3 95.0 97.8 89.6 87.0 97.4 95.2 Rolling mills and steel plantsrel. to 1923-25 78.0 83.1 86.6 106.8 108.1 119.4 116.5 103.4 110.2 106.5 126.0 110.3 112.0 Paper and pulprel. to 1923-25 121.7 104.0 112.4 135.1 109.6 123.0 127.0 111.8 117.0 112.3 120.0 119.3 115.1 Rubber and its productsrel. to 1923-25 98.5 97.4 121.0 122.3 109.0 109.6 122.0 106.5 84.3 95.3 99.0 107.2 110.5 Shipbuildingrel. to 1923-25 85.6 82.0 84.8 89.7 92.5 98.3 114.8 113.9 99.0 105.5 121.5 124.1 122.8 Stone, clay, and glassrel. to 1923-25 106.9 104.8 118.7 132.0 116.5 105.1 105.1 106.6 75.3 100.6 106.5 122.5<	Lumber and its products_rel, to 1923-25_	79.4	76. 9	86.3	97. 2	91. 5	93. 2	84. 2	82. 6	73.3	86.5	77. 1	105. 6	97.7
Rolling mills and steel plants rel. to 1923–25.	Metal-working plants_rel. to 1923-25													
Paper and pulprel. to 1923-25 121. 7	Rolling mills and	78.0	83. 1	86. 6	106.8	108, 1	119.4	116. 5	103.4	110. 2	106. 5	126.0	110.3	112.0
Shipbuilding	Paper and pulprel. to 1923-25	121.7	104.0	112.4	135. 1	109. 6	123.0	127.0	111.8	117.0	112.3	120.0	119. 3	115.1
Stone, ciary, and giassrei, to 1923-25 190.9 104.8 1 118.7 132.0 116.5 105.1 102.6 75.3 100.6 106.2 106.3 120.5 118.2 Tayline ciary and to 102.25 0 5 0 0 8 2 100.5 102.7 100.0 0 7 2 0 0 0 0 0 7 2 0 0 0 0 0 0 0 0 0	Shipbuildingrel. to 1923–25_	85.6	82.0	84.8	89. 7	92. 5	98.3	114.8	113.9	99. 0	105. 5	121. 5	124. 1	122. 8
Textiles:	Stone, clay, and glassrel. to 1923-25_ Textilesrel. to 1923-25_	95. 0	104. 8 98. 2	118.7 100.5	132. 0 103. 7	116. 5 100. 0		102.6				106. 3 85. 4	120. 5 85. 1	118. 2 72. 5

Earlier data for items shown here may				1931						19	30		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
STOCKS AND ORDERS													
New orders, total rel. to 1923-25. Stocks, total rel. to 1923-25. Manufactured goods rel. to 1923-25. Raw materials rel. to 1923-25. Unfilled orders, total rel. to 1923-25.	137. 2 114. 5 153. 6	48. 3 2 134. 2 2 117. 2 2 146. 5 53. 5	² 56. 0 ² 134. 1 ² 118. 2 145. 6 ² 55. 2	² 52. 9 ² 139. 2 ² 118. 5 154. 1 56. 1	² 60. 4 ² 143. 9 ² 119. 4 161. 7 59. 8	² 58. 2 ² 150. 7 ² 119. 5 173. 2 61. 2	² 49. 8 ² 153. 3 ² 119. 9 177. 4 60. 2	² 51. 2 ² 156. 3 ² 119. 5 182. 8 61. 8	2 48. 7 163. 7 2 120. 1 194. 5 61. 8	48. 7 161. 8 2 118. 6 192. 6 58. 7	56. 6 157. 2 2 118. 4 184. 8 58. 6	² 60. 0 144. 6 ² 118. 2 163. 5 63. 0	53. 8 132. 3 2 120. 5 140. 7 65. 3
COST OF LIVING													
All groups rel. to 1923 Clothing rel. to 1923 Food rel. to 1923 Fuel and light rel. to 1923 Housing rel. to 1923 Sundries rel. to 1923	85. 9 78. 6 81. 9 89. 6 81. 5 95. 5	85. 9 78. 6 81. 5 89. 3 82. 0 95. 8	85. 9 79. 9 81. 0 89. 1 82. 6 95. 5	86. 9 80. 7 82. 8 89. 1 83. 5 95. 9	88. 2 82. 0 84. 9 90. 6 84. 1 96. 8	89. 1 83. 2 86. 5 92. 5 84. 6 96. 8	89. 6 84. 4 86. 9 92. 7 85. 3 96. 9	91. 1 84. 6 90. 9 92. 9 85. 9 97. 2	92. 6 86. 6 93. 9 92. 9 86. 7 97. 4	93. 9 87. 7 96. 8 92. 9 87. 5 97. 6	94. 8 88. 8 98. 8 92. 7 88. 0 97. 8	95. 4 90. 5 99. 7 92. 1 88. 7 97. 6	94. 7 89. 3 98. 4 91. 4 88. 5 97. 6
PRICE INDEXES													
Department of Labor Indexes: All commodities (550)rel. to 1926. Food (121)rel. to 1926. Finished products (380)rel. to 1926. Industrial group commodities—	70. 2 73. 7 74. 6	70. 0 73. 1 74. 0	70. 0 72. 4 74. 0	71. 3 72. 9 75. 1	73. 3 75. 6 77. 1	74. 5 76. 7 78. 4	75. 5 77. 1 79. 3	77. 0 80. 1 80. 5	78. 4 81. 8 81. 9	80. 4 85. 7 83. 7	82. 6 88. 6 85. 6	84. 2 89. 2 86. 8	84. 0 87. 1 86. 4
Building materials (57) rel. to 1926. Chemicals and drugs (78) rel. to 1926. Fuel and lighting (23) rel. to 1926. Hides and leather products (40)	75. 4 75. 5 62. 3	75. 8 77. 3 58. 2	77. 5 77. 9 58. 1	78. 4 79. 1 60. 9	80. 9 80. 1 61. 6	81. 9 81. 9 64. 5	81. 8 82. 2 69. 6	82. 9 83. 6 69. 8	84. 4 84. 8 70. 5	85. 6 85. 2 71. 8	85. 8 86. 0 75. 1	86. 4 86. 6 76. 3	87. 4 87. 3 75. 4
House furnishing goods (37)	88. 5	89. 2	87.8	87.3	87.3	87.4	86. 6	88. 6	91. 2	94. 0	96. 5	99. 1	98. 9
Textile products (75) rel. to 1926. Miscellaneous (25) rel. to 1926. All except farm and food	87. 5 64. 2 58. 5	88. 0 65. 4 61. 0	88. 6 65. 4 61. 8	89. 2 66. 3 62. 8	90. 8 67. 6 63. 9	90. 8 69. 2 64. 7	90. 8 70. 4 63. 9	91. 1 71. 0 64. 7	91. 3 72. 4 66. 9	95. 2 73. 3 67. 8	95. 3 73. 8 68. 8	69. 7	95. 9 77. 7 71. 2
products (384)rel. to 1926_ Raw materials (108)rel. to 1926_ Semimanufactured articles (62)	72. 3 64. 1	71.8 64.3	71. 9 64. 7	73. 2 66. 5	74. 2 68. 3	75. 6 69. 4	77. 1 70. 6	77. 8 72. 9	79. 0 74. 2	80. 1 76. 8	81. 5 80. 0	82. 8 82. 1	83. 3 81. 8
Tel. to 1926 Bradstreet's Index	68. 3 65. 7 75, 1	69. 5 68. 0 77. 2	68. 5 67. 9 77. 7	68. 9 66. 9 77. 3	71. 1 69. 0 79. 2	72. 2 71. 4 80. 9	72.3 71.0 81.4	73. 4 72. 0 82. 7	74.3 73.6 84.7	75. 6 76. 1 86. 4	75. 5 77. 8 87. 6		78. 1 80. 7 90. 6
WHOLESALE PRICES													
Acetate of lime dolls. per cwt. Aluminum No. 1, Virgin 98-99, New York dolls. per lb.	2,00	2.00	2.00	2,00	2.00	2,00 ,2290	2.00	2.00	2.00	2.00	2.42		3, 00
Aluminum, scrap cast, New York dolls. per lb. Barley, No. 2. Minneapolis dolls. per bu. Brass sheets, mill dolls. per lb. Brick, common, red, New York	. 0400	.0424 .42 .157	. 0438 . 39 . 158	. 0438 . 45 . 165	.0488 .48 .172	.0488 .44 .174	.0517 .44 .171	. 0525 . 44 . 173	.0601 .47 .178	. 0738 . 48 . 176	. 0769 . 52 . 169	.0788	. 0791 . 52 . 179
dolls. per thous. Butter, common, New Yorkdolls. per lb Cement, Portland (composite). dolls. per lb Cheese, American whole milk, New York	10.00 .28 1.331	10.00 . 25 1.331	10.00 .23 1.364	10. 25 . 24 1. 399	10, 25 , 26 1, 422	10.00 .29 1.477	10, 00 , 28 1, 543	10.00 .29 1.578	9. 50 , 32 1. 580	9. 50 . 36 1. 588	9. 50 . 40 1. 600	1. 600	9. 50 . 39 1. 600
dolls. per lb. Chemicals rel. to 1927. Coffee, Rio, No. 7, Brazil grades dolls. per lb Copper ingots, electrolytic dolls. per lb Coal:		. 15 88 . 063 . 0770	. 14 88 . 068 . 0803	. 14 89 . 061 . 0867	. 15 90 . 053 . 0939	. 16 90 . 056 . 0985	. 16 89 . 064 . 0972	. 17 90 . 068 . 0984	.18 93 .070 .1030	. 19 94 . 079 . 1011	. 19 94 . 089 . 0960	. 072	. 19 94 . 072 . 1069
Anthracite— Retail, composite_dolls. per short ton_ Wholesale, compositedolls. per short ton_	14. 73 12. 796	14. 59 12. 614	14. 31 12. 413	14. 19 12. 270	14. 39 12. 202	14. 85 12. 608	14. 85 12. 732	14. 88 12. 732	14. 89 12. 751	14. 90 12. 751	14. 87 12. 762	1	14. 57 12. 578
Bituminous— Mine average (spot)						Í							1, 68
dolls. per short ton_ Prepared sizes (composite) dolls. per net ton_	1. 57 3. 907	1. 58 3. 856	1. 56 3. 816	1. 60 3. 838	1. 64 3. 845	1. 69 3. 999	1. 77 4. 223	1. 77 4. 270	1. 77 4. 317	1. 78 4. 336	1. 81 4. 342		4. 180
Retail, composite dolls, per short ton Wholesale, composite	8. 11	8.09	8.00 3.692	8.04	8. 46	8.71	8.83	8. 87	8. 94 3. 898	8. 94 3. 900	8. 88 3. 893		8. 70 3. 892
dolls. per short ton Coke, furnace, Connellsville dolls. per short ton	2. 45	3. 706 2. 45	2. 45	3. 723 2. 48	3. 760 2. 50	3. 791 2. 50	3, 814 2, 53	3. 829 2. 55	2. 55	2. 58	2.60	2. 60	2. 55
Cocoa, spot, Accra, New Yorkdolls. per lb Corn: No. 3, yellow, Chicagodolls. per bu	. 0525	.0581	. 0563	.0494	. 0535	. 0550	.0563	. 0619	.0675	.0688	.0675		. 0775
No. 3, Kansas Citydolls. per bu No. 3, white, Chicagodolls. per bu Cotton:	. 45 . 49	.53	.52	.52	.53	.60	.63	. 59	. 66	.69	.82	.89	. 92
To producerdolls. per lb. In New York, middlingdolls. per lb. Cottonseed oil, refined, yellow,	003	.093	.090	.093	. 102	.109	. 110			.110	. 107	. 109	. 121
prime, New Yorkdolls. per lb Cotton goods: Print cloth 64 x 60dolls. per yd.	. 059	.069	.068	.069	.076	.076	.073	. 073	.072	1		-	. 084
Sheeting, browndolls. per yd_ Cotton goods (Fairchild)_rel. to 1911-1913_ Cotton yarns:	. 052 100	.056	. 054 112	. 058	. 059 119	.059 121	.065	. 062 120	.065 122	.066	. 066 124	. 070 124	. 070 126
22/1 cones, Boston dolls, per lb 40/15 southern spinning dolls, per lb Drugs and pharmaceuticals	. 212	. 352	. 215 . 352	. 223	. 231	. 382					. 235		
rel. to Aug., 1914. Drugs, crude rel. to Aug., 1914. Essential oils rel. to Aug., 1914. Flaxseed, No. 1, Minneapolis dolls, per bu.	. 118	157 118 77 1. 64	157 128 77 1.48	157 130 79 1, 55	160 131 82 1. 57	174 130 81 1. 58	80	133 81	137 85	137 87	137 90	139 91	
Flour, see under wheat flour. Food, wholesale, see under individual items. Food, retail (Dept. of Labor)rel. to 1913. Hides:	119.7	119.0	118.3	121.0	124. 0	126. 4	127. 0	132. 8	137. 2	141. 4	144.4	145. 6	143. 7
Green salted, packers' heavy native steersdolls. per lb. Calfskins, country, No. 1dolls. per lb. Revised.	.113		. 100	. 085		.090						. 146 2 . 165	

				19	31						1930		
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
WHOLESALE PRICES—Continued							ary		561				
	48.6	48. 6	48. 6	50. 8	50.8	51. 9	51. 9	51. 9	58.3	58. 3	60. 5	62. 6	64.8
Hosieryrel. to 1926_ Iron and steel, metals and metal productsrel. to 1926	87. 1	87. 5	87. 4	87. 8	88. 7	89. 0	88. 9	89. 3	90.0	90. 2	90. 4	91. 8	92. 7
Iron, raw: Basic (valley furnace)_dolls. per long ton Basic (valley furnace)rel. to 1926 Composite pig irondolls, per long ton	15. 50 83. 6 16. 38	15, 50 83, 6 16, 38	15. 50 83. 6 16. 40	16. 25 87. 6 16. 64	16. 50 89. 0 16. 75	16, 50 89, 0 16, 72	16. 75 90. 3 16. 82	17. 00 91. 7 16. 94	17.00 91.7 17.01	17. 00 91. 7 17. 14	17. 00 91. 7 17. 30	17. 60 94. 9 17. 79	18, 00 97, 0 17, 99
Foundry No. 2, northerndolls, per long ton	18. 76	18. 76	18. 76	18. 76	18. 76	18. 26	18. 51	18. 76	18. 76	18. 76	18.89	19. 56	19. 76
Foundry No. 2, northernrel. to 1926 Lard, prime contract, New Yorkdolls, per lb	91.0	91.0	91. 0 . 083	91.0	91.0	88. 6 . 094	89. 8 . 085	91.0	91.0	91.0	91.6	94. 9	95. 8 . 114
Lead, pig, desilverized, New York dolls, per lb.	. 0440	. 0440	. 0392	. 0382	.0441	.0453	. 0455	. 0480	. 0510	.0510	.0515	. 0550	. 0549
Lead, pig, desilverized, New Yorkrel. to 1926	52. 3	52. 3	46. 6	45. 4	52. 4	53. 8	54. 0	57.0	60.6	60.6	61. 2	65. 3	65. 2
Leather, composite, wholesale pricerel. to 1926. Leather, sole and belting, oak,	90. 3	89.8	87.8	88. 1	88. 4	88. 4	89. 0	90.8	91. 5	93. 3	96. 7	98. 2	99. 9
and scoured backsdolls. per lb_ Leather, sole and belting, oak,	. 40	. 37	. 37	. 37	. 37	. 37	. 37	.38	. 40	. 41	. 41	.44	.46
and scoured backsrel. to 1926. Leather, upper, composite, chrome, calf black, "B" gradedolls. per sq. ft	91.3	84. 4	84. 4	84.4	84. 4	84. 4	83. 3	86. 7	91. 3	93. 5	93. 5	100. 4	104. 9
calf black, "B" gradedolls, per sq. ft Leather, hides (see under hides). Leather, shoes (see under shoes). Linseed oil, New Yorkdolls, per lb	. 348	. 350	. 352	. 356	. 356	. 352	. 354	. 359	. 355	. 367	. 372	. 372	. 371
Lumber: Composite, wholesale pricerel. to 1926_	66.0	66. 3	67. 8	68.4	73. 3	74. 2	73. 2	76.0	78. 1	80. 1	80. 2	80.8	81. 1
Douglas fir, No. 1, commondolls. per M ft. b. m Douglas fir, flooring, 1 x 4, "B"	10. 97	10. 64	11. 25	11. 64	12. 12	12. 68	12. 86	12. 82	12. 99	13. 25	12. 98	13. 14	13, 44
and better (V. G. Washing- ton)dolls. per M ft. b. m Southern yellow	25. 29	25. 76	25. 98	28. 33	29. 74	31. 14	31. 65	31. 33	31. 73	33. 40	33, 77	34. 58	35. 65
pinedolls. per M ft. b. m Southern yellow pinerel. to 1926_ Meats:	27. 68 61. 4	27. 82 61. 7	28. 15 62. 4	28. 82 63. 9	28. 32 62. 8	29. 66 65. 8	28. 42 63. 0	30, 73 68, 1	32. 51 72. 1	33. 44 74. 1	34. 01 75. 4	33. 48 74. 2	$\frac{31.72}{70.3}$
Beef, fresh, carcass, good native steers, Chicagodolls. per lb	. 144	. 129	. 129	. 143	. 160	. 169	. 178	. 195	. 195	. 195	. 195	. 191	. 168
Beef, fresh, carcass, good native steers, Chicagorel. to 1926 Beef, fresh, carcass, steers,	87. 9	78. 6	78. 8	86. 8	97. 1	102. 8	108.1	118.8	118.8	118.8	118.8	116. 1	102. 4
New Yorkdolls. per lb_Beef, fresh, carcass, steers,	. 158	. 145	. 145	. 155	. 172	. 180	. 196	. 205	. 205	. 205	. 205	. 203	. 173
New York rel. to 1926 Cattle, corn-fed, Chicago dolls, per 100 lbs. Cattle, corn-fed Chicago rel. to 1926	92. 3 8. 620 90. 5	84. 9 7. 250 76. 1	84, 9 7, 320 76, 8	90. 8 7. 675 80. 5	100.8 8.563 89.9	105. 4 9. 075 95. 2	9. 106 9. 6	120, 1 10, 00 105, 0	120. 1 10. 58 111. 0	120. 1 10. 31 108. 2	120. 1 9. 97 104. 6	118. 6 10. 33 108. 4	101, 1 9, 14 95, 9
Hogs, heavy, Chicago dolls, per 100 lbs Hogs, heavy, Chicago rel. to 1926	6. 35 51. 4	6. 24 50. 6	6.39 51.8	6. 40 51. 9	7. 08 57. 4	7. 18 58. 2	6.73 54.5	7.34 59.5	7. 94 64. 3	8.86 71.8	9, 86 79, 9	10. 58 85. 8	9. 78 79. 2
Sheep, ewes, Chicagodolls. per cwt Sheep, ewes, Chicagorel. to 1926	1. 98 30. 0	2, 56 38, 9	1. 55 23. 5	2. 44 37. 0	3. 29 50. 0	3.79 57.5	3, 69 55, 9	3, 44 52, 1	2, 93 44, 4	$\frac{3.38}{51.2}$	3. 84 43. 1	3. 08 46. 6	3. 09 46. 9
Sheep, lambs, Chicago dolls. per lb_Sheep, lambs, Chicago rei. to 1926.	5. 95 43. 4	6.05 44.2	6. 98 50. 9	8.36 61.0	8, 76 64, 0	8. 27 60. 4	8. 31 60. 7	7. 98 58. 3	7. 40 54. 0	7. 13 52. 0	7. 03 51. 3	7.35 53.6	7. 72 56. 3
Pork, hams, smoked, Chicago dolls, per lb Pork, hams, smoked, Chicago	. 185	. 173	. 174	. 182	. 184	. 187	.195	. 207	. 213	. 222	. 221	. 221	. 229
rel. to 1926. Western dressed steers, New York	60.1	56. 1	56.6	59. 2	59. 7	60.7	63. 5	67.1	69. 2	72.1	71.7	73.8	74. 4
Methanol:dolls, per lb_	.158	. 145	. 145	. 155	. 172	. 180	. 196	. 205	. 205	. 205	. 205	. 203	. 173
Refined dolls. per gal. Milk, condensed, New York dolls. per case. Milk, evaporated dolls. per case. Nonferrous metals rel. to 1926.	. 35 5. 00 3. 00 58. 0	. 35 5. 65 3. 10 59. 4	. 35 5. 65 3. 20 58, 9	. 35 5. 65 3. 30 60. 6	. 35 5. 65 3. 50 65. 1	. 40 5. 65 3. 50 67. 1	5. 79 3. 50 66. 1	.40 6.03 3.75 67.4	. 40 6. 03 3. 80 69. 7	. 40 6. 03 3. 80 68. 4	. 40 6. 03 3. 80 67. 8	6. 03 3. 80 71. 2	6. 03 3. 80 72, 7
Oats: No. 3, white, Chicagodolls. per bu No. 3, white, Chicagorel. to 1926	. 21 51. 2	. 23 56. 1	. 27 65. 9	. 28 68. 3	. 30 73. 2	. 31 75. 6	.32 78.0	. 32 78. 0	. 34 82. 9	. 33 80. 5	. 36 87. 8	. 38 92, 7	. 39 95. 1
Oils and fatsrel. to 1927 Oleomargarine, standard, uncolored,	62	68	64	68	72	71	68	71	73	73	74	78	87
Chicago dolls, per lb. Oleomargarine, standard, uncolored, Chicago rel. to 1926.	. 105 46. 0	. 106 46. 5	. 110 48. 2	. 128 55. 9	. 145 63. 5	. 145 63. 5	. 155 67. 9	. 177 77. 6	. 190 83. 3	. 205 89. 8	. 205 89. 8	. 205 89. 8	. 205 89. 8
Paper, newsprint roll, delivered, New Yorkdolls, per 100 lbs	40.0	10.0	10.2	00, 0		3. 10	3. 10	3, 10	3.10	3. 25	3, 25	3. 25	3. 25
Paper, newsprint roll, delivered, New York rel. to 1926.						89.9	89. 9	89. 9	89.9	94.2	94. 2	94.2	94. 2
Petroleam: Crade, Kansas-Oklahoma dolis, per bbl., Crade, Kansas-Oklahoma, rel. to 1926 Gas and fuel oils, Oklahoma 24-25,	. 434 23. 0	, 238 12, 6	. 300 15. 9	. 530 23. 1	. 530 28, 1	. 594 31, 5	. 850 45. I	.850 45.1	. 850 45. 1	, 850 45, 1	1.098 58.3	1. 178 62. 5	1. 178 62. 5
refineries dolls per bbl. Gasoline, New York dolls per gal. Kerosene, 150° water white dolls, per gal. Lubricating oil, cylinderdolls, per gal.	. 280 . 133 . 038	. 133	. 385 . 133 . 04 2	. 463 . 133 . 045	. 488 . 133 . 048	. 510 . 133 . 051	. 588 . 138 . 053	. 600 . 135 . 054	.610 .141 .054 .172	. 650 . 141 . 053 . 184	. 594 . 143 . 054 . 186	. 580 . 148 . 053 . 190	. 600 . 163 . 050 . 193
Pig iron, foundry No. 2, Pittsburgh dolls, per long ton	18. 76	18. 76	18, 76	18. 76	. 145 18. 76	. 145 18. 26	. 146 18. 51	. 165 18, 76	18.76	18.76	18, 89	19. 56	19. 76
Pig iron, foundry No. 2, Pittsburgh rel. to 1926	91. 0	91.0	91. 0	91.0	91.0	88.6	89.8	91.0	91.0	91.0	91.6	94.9	95. 8
Potatoes dolls. per bu- Potatoes rel. to 1926. Rayon, 150 denier "A" grade,	. 767 41	. 825	. 753 41	. 870 47	. 908 49	. 849 46	. 867 47	. 903 49	. 898 48	. 950 51	1. 017 55	1. 099 59	1. 088 59
Rosin, gum, New York dols, per bbl. Rubber, crude, smoked sheets,	. 75 3. 94	. 75 4. 28	. 75 4. 68	. 75 4. 70	. 75 4. 7 3	. 75 4. 64	. 75 4. 38	• . 75 4. 45	.95 4.95	. 95 5. 29	. 95 5. 54	.95 5.80	. 95 5. 39
New York dolls, per lb. Rubber, crude, smoked sheets, New York rel. to 1926.		. 963 13. 0	. 063 13. 0	. 064 13. 2	. 064 13, 2	. 077 15. 9	. 076 15. 7	. 082 16, 9	. 089 18. 4	. 089	. 084 17. 3	. 080 16, 5	. 100 20. 6
Rye, No. 2, Minneapolis dolls, per bu. Rye, No. 2, Minneapolis rel, to 1926. Sheep, ewes, Chicago dolls, per 100 lbs. Sheep, ewes, Chicago rel, to 1926.	. 38 41, 3 1, 98 30, 0	. 37 40. 2 2. 56 38. 9	.37 40. 2 1. 55 23. 5	36 39, 1 2, 44 37, 0	35 38. 0 3. 29 50. 0	39. 1 39. 79 57. 5	37 40. 2 3. 69 55. 9	. 38 41. 3 3. 44 52. 1	. 44 47. 8 2. 93 44. 4	. 43 46, 7 3, 38 51, 2	53. 3 3. 84 43. 1	. 55 59. 8 3. 08 46. 6	. 60 65. 2 3. 09 46. 9
Sheep, lambs, Chicago doll. per 100 lbs.		6, 06	6, 98	8.35	8.76	8. 27	8, 31	7.98	7.40	7, 13	7. 03	7.35	7. 72

Revised.

Earlier data for items shown here may				193	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
WHOLESALE PRICES—Continued						***************************************							
Shoes, men's black calf blucher, Bostondolls. per pair	6.75	6. 75	6. 75	6.75	6, 75	6.75	6.75	6.75	6.75	6.75	6.75	6.75	6. 75
Shoes, men's dress welt, tan calf, oxford, St. Louis dolls. per pair	4. 35	4.35	4.49	4. 60	4. 60	4. 60	4.60	4.60	4.72	4.85	4.85	4.85	4. 85
Shoes, women's black kid, McKay seweddolls. per pair_	3. 150	3. 150	3. 250	3. 250	3. 250	3. 250	3, 250	3. 250	3. 450	3, 550	3, 550	3. 550	3. 550
Silk, raw, Japanese, 13-15, New York dolls. per lb	2. 512	2. 364	2. 463	2. 266	2. 266	2, 561	2, 709	2. 807	2.709	2. 463	2. 512	2. 413	2, 955
Silk goods, composite	. 98 1. 60	.98	. 99	1.65	1.65	1.65	1.00 1.65	1. 02 1. 63	1. 02 1. 60	1. 02 1. 60	1.02	1. 04 1. 60	1. 06 1. 65
Steel beams, mill, Pittsburghrel. to 1926 Steel. crude:	81. 7	84. 3	84.3	84. 3	84.3	84.3	84.3	83, 0	81.7	81.7	81.7	81.7	84.3
Composite, finished steel dolls, per 100 lbs. Iron and steel, composite	2. 19	2. 20	2. 19	2. 21	2, 22	2. 23	2, 22	2. 22	2. 19	2. 20	2.22	2. 24	2. 26
Steel billets, Bessemer dolls, per long ton.	31, 05 29, 00	31. 05 29. 00	31. 02 29. 00	31, 39 29, 50	31, 61 30, 00	31, 66 30, 00	31, 65 30, 00	31.70 30.00	31.76 30.60	31, 95 31, 00	32.31 31.00	32.67 31.00	33. 01 31. 00
Steel billets, Bessemerrel. to 1926_ Steel scrap, Chicago_dolls. per gross ton_	82.9 8.375	82, 9 8, 750	82. 9 8. 750	84.3 8.875	85. 7 9. 813	85. 7 10. 000	85.7 10.063	85.7 10.219	87. 4 10. 000	88. 6 10. 125	88. 6 11. 375	88. 6 12. 500	88.6 12.125
Structural steel beams_dolls, per 100 lbs_	1.60	1.65 84.3	1.65 84.3	1. 65 84. 3	1.65 84.3	1.65 84.3	1.65 84.3	1. 63 83. 0	1.60 81.7	1.60 81.7	1.60 81.7	1.60 81.7	1. 65 84, 3
Structural steel beams rel. to 1926. Sulphuric acid dolls, per ton	15, 50	15. 50	15. 50	15. 50	15.50	15. 50	15, 50	15. 50	15. 50	15. 50	15. 50	15.50	15. 50
Sugar: Retail average, 51 citiesrel. to 1913. Retail granulated, New York.dolls. per lb.	104	102	102	102	104	106	107	107	107	107	106	107	111
Wholesale, 96° centrif., New	}	.051	. 050	.050	.050	. 051	.053	. 053	. 053	. 053	. 053	.054	. 054
York dolls, per lb. Wholesale, 96° centrif., New	. 035	.035	. 033	. 032	.033	. 033	.033	.034	. 033	.034	. 033	.031	. 032
York rel. to 1926. Wholesale, granulated, New	80.0	80.4	76.5	73. 5	75. 6	75.8	76.3	77.9	75.8	78.8	76.3	72.1	73.0
York dolls. per lb. Wholesale, granulated, New	. 046	.046	.044	. 043	. 044	. 043	.045	.046	.046	.047	.044	.043	. 044
York rel. to 1926 Tea, Formosa fine, New York dolls, per lb. Textiles, general rel. to 1926	84.1	84.1 .225	80.3 . 225	78.3 . 225	80. 1 . 225	$79.2 \\ .225$	81.4 .225	83.4	83. 2 . 225	85. 0 . 225	80.8 .223	79. 2	80, 3 , 290
	64. 2	65.4	65.4	66. 3	67. 6	69. 2	70.4	71.0	72.4	73.3	73.8	75.5	77.7
New York dolls, per lb.	. 2575	. 2502	. 2341	. 2320	. 2512	. 2707	. 2631	. 2610	. 2527	. 2589	. 2686	. 2964	. 3002
New York dolls, per gal- Wheat:	.36	. 39	. 55	. 54	. 56	. 53	.45	. 44	. 42	. 43	. 41	.44	. 41
No. 1, northern spring, Minneapolis	. 65	. 61	. 74	. 81	. 79	. 76	. 75	. 76	. 77	. 75	. 82	.87	.91
No. 1, northern spring, Minneapolisrel. to 1926_	41.1	38.6	46.8	51.3	50. 0	48. 1	47.5	48.1	48.7	47. 5	51. 9	55, 1	57.6
No. 2, red winter.	. 47	. 48	. 72	. 79	. 80	. 78	. 79	. 78	. 83	. 83	.87	. 88	. 89
St. Louis dolls. per bu- No. 2, red winter, St. Louis rel. to 1926. No. 2, hard winter,		31.0	46. 5	51.0	51.6	50. 3	51.0	50. 3	53. 5	53. 5		56. 8	57.4
Kansas Citydolls, per bu_	. 43	. 44	. 68	. 73	. 73	. 70	. 69	. 69	. 71	. 69	. 74	.78	.81
Wheat flour:	28. 9	29. 5	45. 6	49.0	49.0	47.0	46.3	46.3	47. 7	46. 3	49.7	52.3	54, 4
Standard patents, Minneapolisdolls. per bbl.	4. 21	4. 13	4. 75	4.85	4, 71	4. 67	4.85	4, 96	4.89	4. 69	4. 98	5.08	5. 34
Standard patents, Minneapolisrel. to 1926_	49.9	49.0	56.3	57. 6	55. 9	55. 4	57. 6	58. 9	58.0	55. 7	59. 1	60.3	63, 4
Winter straights, Kansas Citydolls. per bbl.	2.96	3, 84	4, 12	4. 14	4.02	4.00	4.06	4.09	4.03	Ī	4, 23	4, 44	4. 56
Winter straights, Kansas Cityrel. to 1926.	40.8	47.8	56.8	57. 1	55. 4	55. 2	56.0	56. 3	55. 6	1	58.3	61.3	62.8
Wool: Raw, territory, fine, scoured_dolls. per lb_	. 63	. 62	. 62	. 63	. 65	. 66	. 66	. 68	.72	. 72	.75	l	. 76
Raw, Ohio and Pennsylvania, fleeces, 1/2	1	. 21	. 20	. 20	. 22	. 22	. 23	. 26	. 27	. 29	1	1	.31
blood, combing greasedolls. per lb. Suiting, 13 ozdolls. per yd. Suiting, 13 ozrel. to 1926.	1.400 - 74.5	1. 494 74. 5	1. 494 74. 5	1. 494 74. 5	1. 494 74. 5	1, 543 77, 0		1, 601 79, 8			1.601	1,601	1, 601 79, 8
Women's dress goods, French serge.	i	. 925	. 925	. 925	. 968	1, 050	1, 050	1, 050	1, 050	1. 050	ł	1	1, 100
54-in., at factory dolls, per yd- Women's dress goods, French serge, 54-in., at factory rel. to 1926.	74.0	74.0	74.0	74.0	77. 4	84.0	84.0	84.0	84.0	i	1	1	88.0
Worsted yarns dolls, per lb. Worsted yarns rel. to 1926.	1,00	1.00 69.7	1,00 69.7	1.00	1.60 69.7	1.00 69.7	1. 10 76. 6	1. 10 76. 6	1.17	1.20	1.20	1. 20	1. 20 83. 6
Zinc, prime westerndolls. per lb_	.0382	. 0389	.0342	. 0331	. 0372	. 0400	. 0401	. 0404	. 0410				. 0436
FARM PRICES Cotton and cottonseed (2)rel. to 1909-14.	. 53	71	65	74	78	80	76	72	73	80	76	83	94
Dairy and poultry products (4) rel. to 1909-14. Fruits and vegetables (9)rel. to 1909-14.	-1 89	84 110	85 114	87 119	96 120	99	95	108	120	130	120	123	115
Grains (6) rel. to 1909–14. Meat animals (5) rel. to 1909–14.	- 54	57 92	67 91	74 99	74	74	75	77	80	80	92	100	101
Unclassified (5)rel. to 1909-14.	- 60	58	59 80	62	106 63	106 65	67	69	70	73	123 70	128 67	70
All groups (31)rel. to 1909-14_	- 75	79	80	86	91	91	90	94	97	103	106	111	108
Retail food index (Dept. of Labor) rel, to 1913.	119.7	119.0	118.3	121.0	124.0	126. 4		132. 8					
Retail coal index (Dept. of Labor) rel. to 1913. AUTOMOBILES	- 186.1	184. 3	180. 3	179. 4	181.8	187. 7	187. 6	188. 1	188, 1	188.0	187. 9	187. 0	184. 1
Production index (Fed. Res. Bd.) rel. to 1923-25.	. 53	60	65	77	77	67	68	63	85	74	49	62	62
Production index (elect. energy consumed) rel. to 1923-25.	1	55. 9	71.3	89. 7	90.8	94.1	İ	1	ii	1	ł	i	1
Passenger cars and trucks:	40.0	90. 9	11.8	09. (50.8	94.1	88.9	07.5	11.5	74.9	80. 9	88.4	80.0
Production, actual— Canada— Catal	1	1.000	0.00*	10 700	17.50	10.000	0.07	0.10-					
Total no. of cars. Passenger cars no. of cars.	3,426	4, 220 3, 151	6,835 5,583	12,738 10,621	17, 159 14, 043	12, 993 10, 483	7,529		4, 225	3, 527	3,206	5,623	6, 946
Trucksno. of cars. United States—	1	1,069	1, 252	2, 117	3, 116	2,510	1		1				
Totalno. of cars. Passenger carsno. of cars.	155, 321	2 183, 993	2210, 016	271, 135	336, 939 286, 252	276, 405 230, 834	179,890	137,805	120, 833	100,532	113,226	175, 496	183, 532
Taxicabsno. of cars. Trucksno. of cars.	! 104	180 2 34, 317	1 360	340	665	410	529	512	1,425	609	582	930	386

			<u></u>		1931			· <u></u>	<u> </u>		19	930	
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru-	January	Decem- ber	Novem-	October	Septem-	August
AUTOMOBILES—Continued							ary		Der	Dei -		Der	
Electric industrial trucks and tractors:												Į.	
Shipments— Domestic————number— Exports———number—	37 13	63 15	50 25	69	48 23	84	50	33	42	37	91 3	77	82
Exports (assembled): From Canada—	10	10	20		23	9	•	5	9	9	3	6	11
Total no. of cars. Passenger cars no. of cars. Trucks no. of cars. From United States—	740 542 198	934 644	1, 021 789	1, 512 1, 083	1, 172 763	1, 853 1, 327	1, 565 881	3, 054 1, 798	3, 645 2, 193	2, 588 1, 260	2, 868 2, 003	6, 641 4, 293	3, 922 2, 552
Totalno. of cars	8, 055	9, 996	232 10, 183	429 12, 966	409 16, 727	526 17, 528	684 13, 374	1, 256 12, 838	1, 452 14, 198	1, 328 12, 078	865 11, 215	2, 348 13, 437	1, 370 13, 274
Passenger carsno. of carsno. of carsno. of cars	5, 699 2, 356	6, 478 3, 518	5, 843 4, 340	8, 468 4, 498	11, 228 5, 499	11, 526 6, 002	9, 187 4, 187	8, 304 4, 534	9, 096 5, 102	6, 039 6, 039	7, 136 4, 079	8, 125 5, 312	7, 956 5, 318
Financing: United States— Wholesale dealersthous. of dolls	43, 746	² 48, 859	58, 178	72, 630	71, 194	63, 090	49,813	40, 165	35, 550	29, 633	3 5, 878	45, 311	45, 315
Total consumers thous, of dolls	78, 830 46, 504	² 95, 953 ² 59, 307	104, 698 63, 566 37, 999	109, 426 68, 571 37, 793	113, 045 70, 561	92, 055 55, 036	66, 181 36, 8 65	61, 734 32, 957 27, 245	65, 967 35, 342	60, 197 31, 805	81, 256 45, 632	90, 297 52, 820	102, 781 62, 989
New cars thous. of dolls Used cars thous. of dolls Unclassified thous. of dolls Canada—	30, 080 2, 246	² 34, 136 ² 2, 509	3, 133	3, 062	39, 564 2, 920	34, 704 2, 315	27, 722 1, 593	1, 532	28, 838 1, 787	26, 842 1, 550	33, 755 1, 869	35, 210 2, 267	37, 118 2, 674
Total new and used cars and trucksthous, of dolls	2,903 1,417	24, 196	4,918	6, 317	6, 254	3, 543	2, 361	2, 197	2,954	3, 038	3, 792	4, 272	4, 923
New cars and trucks_thous, of dolls_ Used carsthous. of dolls_ New passenger-car, registrations	1, 485	² 2, 102 ² 2, 094	2,445 2,474	3, 440 2, 877	3, 376 2, 878	1,890 1,653	921 1,440	910 1, 287	613 2, 341	817 2, 221	1, 289 2, 504	1, 755 2, 517	2, 004 2, 919
Sales (General Motors Corp.):	co 076	194, 322	201, 911	247, 727	265, 732	200, 841	134, 133	126, 786	96, 054	93, 066	150, 219	175, 286	203, 737
Total to consumers, U. Sno. of cars Total to dealers, U. Sno. of cars Total to dealers, including Canadian and	69, 876 62, 667	85, 054 78, 723	103, 303 100, 270	122, 717 136, 778	135, 663 132, 629	101, 339 98, 943	68, 976 80, 373	61, 566 76, 681	57, 989 68, 252	41, 757 48, 155	57, 757 22, 924	75, 805 69, 901	, 42686 76, 940
overseasno. of cars Fire-extinguishing equipment:	70, 078	87, 449	111, 668	153, 730	154, 252	119, 195	96, 003	89, 349	80,008	57, 257	28, 253	78, 792	85, 610
Shipments— Motor vehicles———number— Hand types——number—	81 26, 334	72 29, 895	90 29, 696	75 31, 117	72 32, 538	76 34, 24 8	69 29, 280	56 27, 713	• 113 34, 295	71 29, 213	96 36, 303	86 37, 482	118 34, 958
Hand typesnumber_ Accessories and parts, shipments: Accessoriesrel. to Jan., 1925	66	57	61	61	66 127	65	53	46	55	63	79	76 79	60
Accessories rel. to Jan., 1925. Original equipment rel. to Jan., 1925. Replacement parts rel. to Jan., 1925. Service parts rel. to Jan., 1925. Rim production thous. of rims	70 127 79	79 124 85	91 122 102	129 128 117	127 127 118	117 110 115	95 99 97	98 98 92	64 100 75	62 127 80	75 140 99	139 105	87 132 104
	924	813	1,085	1, 508	1,718	1, 425	1,011	681	567	920	864	1,052	1, 504
CHEMICALS AND ALLIED PRODUCTS Production index (Fed. Res. Bd.)													
petroleum refiningrel. to 1923-25_ Production index (elect, energy	197.0	162	161	163	161	152	149	144	149	151	160	165	164
consumed) rel. to 1923-25 Prices, wholesale rel. to 1926. Stocks, manufactured goods,	137. 6 75. 5	137. 7 77. 3	132, 7 77, 9	133. 8 79. 1	137. 4 80. 1	139. 3 81. 9	146. 6 82. 2	132. 0 83. 6	133. 5 84. 8	145. 0 85. 2	122, 4 86, 0	147, 1 86, 6	135. 7 87. 3
end of monthrel. to 1923-25 Stocks, raw material, end of	119.0	2 119. 2	123.3	129. 3	129.0	132.0	130. 7	128.8	123. 9	124. 2	125, 2	121.3	117. 3
monthrel. to 1923–25 Chemicals	88.0	2 86. 7	87.9	88.4	91.5	96. 5	103. 2	107.7	124. 2	128.5	132.7	120.0	98. 1
Acetate of lime: Productionthous. of lbs		840	1, 853	2, 953	4, 400	7, 452	7, 073	8, 023	7, 357	6, 535	5, 871	5, 896	3, 523 2, 447
Shipments thous, of lbs. Stocks, end of month thous, of lbs. Price, wholesale dolls. per cwt.	2, 00	4, 654 20, 389 2. 00	3, 856 24, 203 2. 00	4, 674 26, 206 2, 00	5, 160 27, 927 2, 00	4, 465 28, 687 2, 00	3, 468 25, 701 2, 00	5, 195 22, 095 2, 00	8, 375 19, 266 2, 00	9, 128 20, 285 2, 00	7, 922 22, 878 2, 42	3, 339 24, 928 3, 00	22, 372 3. 00
Arsenic, crude: Productionshort tons_	2,594	1,036	1,407	1, 491	1, 402	1, 957	1, 494	2, 803	1, 483	2, 392	2, 694	2, 077	1, 217 3, 254
Stocks, end of month	4, 977 1, 238	3, 972 997	4, 280 1, 024	4, 768 1, 044	5, 265 964	5, 478 1, 506	5, 862 1, 409	6, 486 1, 570	5, 767 1, 439	5, 937 1, 508	5, 125 1, 265	4, 026 1, 101	1,002
Stocks, end of monthshort tons	2,616	2,440	2, 201	2,012	1, 950	2, 181	2, 449	2, 419	2, 221	2, 010	1, 813	1, 930	1, 525 12, 890
Production thous. of gals. Warehouse stocks, end of month thous. of gals.	12, 363 17, 024	11, 975 14, 888		13, 120 14, 711	11, 162 13, 074	11, 929 11, 633	8, 859 11, 008	11, 869 9, 442	17, 770 6, 858	20, 861 8, 304	18, 455 8, 898	14, 299 10, 010	9, 317
Withdrawn for denaturiza- tionthous, of gals	11, 637	10, 436		10, 288	10, 541	8, 795	6, 296	8, 081	19, 134	20, 070	18, 537	12, 615	11, 777
Methanol, crude: Productiongallons Stocks at crude plants, end of		154, 473	182, 273	247, 808	322, 049	483, 222	465, 728	522, 656	469, 312	424, 736	372, 939	288, 876	241, 718
monthgallons Stocks at refineries and in transit_gallons		452, 489 157, 094	526, 543 98, 000	494, 192 130, 207	520, 865 36, 176	415, 489 105, 238	395, 855 121, 522	302, 320 89, 740	244, 763 93, 805	215, 443 59, 197	331, 729 59, 236	513, 239 168, 166	474, 431 79, 380 157, 037
Exportsgallons Menthanol, refined: Price, wholesale, New York.dolls. per gal	42,300	61, 240	59, 950 . 35	52, 048	54, 857 . 35	30, 146 . 40	18, 295 . 40	45, 139 . 40	90, 111	40, 814	100, 479	82, 168 . 40	. 40
Production gallons Shipments gallons Stocks, end of month gallons	1	91, 696 122, 846 395, 322	107, 331 110, 454 426, 472	118, 052 257, 707 429, 595	211, 073 141, 801 569, 250	253, 494 199, 500 499, 978	223, 144 221, 279 445, 984	306, 373 167, 309 444, 119	382, 547 372, 352	431, 179 477, 029	575, 711 541, 807 340, 710	364, 505 440, 514 306, 806	374, 521 463, 215 382, 815
Price index numbers: Crude drugsrel. to Aug., 1914	118	118	128	130	131	130	131	133	305, 055 137	294, 860 137	137	139	143
Essential oilsrel. to Aug., 1914 Drugs and	76	77	77	79	82	81	80	81	85	87	90	91	97 176
pharmaceuticalsrel. to Aug., 1914 Chemicalsrel. to 1927 Oils and fatsrel. to 1927	157 86 62	157 88 68	157 88 64	157 89 68	160 90 72	174 90 71	175 89 68	175 90 71	175 93 73	175 94 73	176 94 74	176 94 78	94 87
Plastic paints, cold-water paints, and calcimines: Sales of—													
Plastic paints thous of dolls		51 127	75 141	109 165	91 162	116 175	104 122	83 96	65 100	77 105	106 169	96 151	98 141
Calcimines thous of dolls Cold-water paints thous of dolls Paint, varnish, and lacquer products: Total sales (315 establish		83	86	106	104	90	71	60	64	45	81	78	88
Total sales (315 establish- ments)thous, of dolls- Trade salesthous, of dolls-	•	15, 188 8, 844	19, 126 12, 011	22, 600 14, 430	21, 689 13, 477	17, 972 10, 461	14, 269 7, 844	13, 586 7, 399	11, 600 6, 171	13, 821 7, 649	17, 986 10, 141	18, 541 10, 552	18, 562 10, 629
Industrial salesthous, of dolls_ Unclassified salesthous, of dolls_		6, 269	7, 031 84	8, 071 100	7, 999 213	7, 431 81	6,282	6,047	5, 289 140	6,025	7, 615	7,743	8, 034 268
Revised.													

SURVEY OF CURRENT BUSINESS

Carlier data for items shown here may		···		19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
CHEMICALS AND ALLIED PROD-						- i							
UCTS—Continued Chemicals—Continued										ļ			
Sulphuric acid:													
Productionshort tons Purchases —		87, 464	84,051	97,729	112, 208	141, 773	155, 603	164, 399	181, 301	188, 735	192, 187	169, 534	172, 667
From fertilizer manufacturers short tons.		14, 489	23, 685	25, 162	15, 424								
From nonfertilizer manufacturers		20, 462	18, 399	14, 601	15, 164	24, 474	34, 594	57, 374	48, 956	40, 227	35, 602	30, 543	27, 457
Exports thous. of lbs. Price, wholesale 66° dolls. per ton.	64,620 15.500	372, 945 15, 500	250, 775 15, 500	403, 298 15, 500	310, 950 15. 500	200, 218 15, 500	376, 076 15, 500	304, 745 15, 500	438, 836 15, 500	308, 992 15, 500	703, 787	465, 766 15, 500	176, 023 15, 000
		ļ								1	15, 500		
Consumptioncords_ Stocks at end of monthcords_		14, 364 326, 990	19, 363 338, 821	24, 444 335, 809	$31,458 \\ 379,562$	48, 607 370,449	44, 933 397,788	51,390 393,770	46, 814 448,067	42,888 478,962	37, 913 455,597	31, 048 481,268	27, 451 473, 415
All plantseords_		2, 505	2, 505	2, 505	2, 505	2, 499	2, 499	2, 499	2, 519	2, 519	2, 519	2, 535	2, 53
Plants shut downcords_		1, 335	1, 008	752	632	388	400	368	412	560	659	1, 180	1, 26
Cottonseed:	59, 148	10 720	44 104	87, 014	155, 373	280, 637	401, 736	589, 911	220 064	001 000	020 742	501 005	² 164, 339
Consumption (crush) short tons. Receipts at mills thous of short tons.	95	19, 739 13	44, 164 32	37, 014	155, 575	250, 657	158	219	669, 264 578	801, 800 803	936, 743 1, 323	561, 625 1, 041	2 33
Stocks at mills, end of month thous. of short tons	. 60	26	33	45	95	207	377	620	991	1,083	1,081	695	2 21
Cottonseed cake and meal: Exportsshort tons_	3, 590	1, 304	225	797	6, 588	5, 750	3, 147	11, 084	7, 538	1,580	4, 361	2, 092	17
Productionshort tons_ Stocks, end of monthshort tons_	28, 206	8, 567 150, 291	23, 144 192, 136	43, 350 223, 084	75, 921 253, 609	135, 144 303, 945	190, 314 363, 201	270, 965 343, 665	305, 019 298, 139	360, 943 252, 323	421, 283 202, 156	251, 128	² 76, 05 ² 43, 07
Cottonseed oil, crude: Productionthous. of lbs.	17, 196	6,918	14, 726	28, 019	52, 469	89,794	124, 392	181, 221	201, 621	1	283, 929	169, 458	2 48, 83
Stocks, end of monththous. of lbs_Cottonseed oil, refined:	12, 065	8, 591	13, 919	32, 819	43, 048	69, 878	104, 910	127, 739	114, 248	114, 595	110, 829	79, 280	2 25, 58
Factory consumption— Total (quarterly)——thous. of lbs-			3242, 191			³ 276,906		İ	3 328,614			3 328,480	
In oleomargarinethous. of lbs. Price, yellow, prime, New York	-	876	1, 012	1, 200	1, 447	1,621	1,465	1, 875	2, 178	2, 091	2, 505	2, 151	2, 90
	.1 .009	.009	. 068	. 069	. 076	. 076	. 073	. 073	. 072		. 076	. 081	. 08
Productionthous. of lbs_ Stocks, end of monththous. of lbs_	212, 371	16, 268 277, 922	30, 398 348, 438	36, 470 406, 237	76, 852 462, 881	115, 302 494, 503	130, 556 2494, 882	2 150, 998 461, 776	188, 823 428, 609			102, 460 174, 208	2 200, 76
Explosives													
Explosives, black powder, permissible and other high explosives:]]			1			1	Ì	1
New orders thous, of lbs. Production thous, of lbs.	_}	1-25,068	26, 719 25, 981	26, 441 26, 960	28, 721 27, 647	26, 730 25, 414	25, 448 28, 751	26, 714 24, 056	24, 404 24, 024	28, 847 30, 248	34, 324 34, 113	33, 173 35, 688	32, 68 31, 16
Shipments thous. of lbs- Stocks, end of month thous. of lbs-		25, 150 20, 304	26, 611 20, 404	27, 379 21, 115	28,000 20,639	26, 598 20, 929	28, 751 27, 543 20, 219	25, 201 17, 372	22, 974 17, 303	30, 229	34, 198 16, 812	35, 069	32, 28 16, 04
Fats and Oils		20,001	20, 101	21, 110	20,000	20,020	20, 210	11,012	11,000	10,010	10,012	10,001	1
Animal fats (quarterly):		ļ	1166 060			3 154 OS1			3154 560			2144 109	
Factory consumption thous of lbs. Production thous of lbs. Stocks, end of quarter thous of lbs.	-		3559, 588			618, 459			3515, 794			463, 049	
					1	Į.	1	1	il	i		ļ	i
Production (quarterly) thous. of lbs. Shipments thous. of lbs. Stocks, end of quarter thous. of lbs.			23, 380				-	-	. 3, 469	4, 565		- 3 21, 715 4, 885	4,50
Coconut or copra oil:	-		8 57, 326			3 53, 772		·	3 49, 951			3 44, 380	
Factory consumption— Crude (quarterly)thous, of lbs.			139, 128			³ 138, 255		<u> </u>	3 159, 546	,	.	. 3 150, 751	
Refined— Total (quarterly)thous. of lbs_			78, 348			3 75, 479		_	\$ 90, 307			3 81, 532	
In oleomargarine thous of lbs. Imports thous of lbs.		6, 169 34, 845	7, 105 31, 000	8, 466 15, 970	11, 329 26, 862	12,086 27,550	11, 492 44, 034		16, 491 30, 952	17, 111 20, 477		15, 818	11, 4
Production (quarterly)— Crude—————thous, of lbs.		1	81,899			3 91, 446			3 90, 921		_	87, 554	
Refinedthous. of lbs. Stocks, end of quarter—	·-		8 67, 351			a 66, 268			³ 84, 264			3 71, 985	
Crude thous, of lbs. Refined thous, of lbs.	-		3 206, 123 3 16, 039			³ 201, 932 ³ 16, 869		-	3 158, 846 3 21, 993		-	3 139, 432 3 18, 252	
Copra: Factory consumption (quarterly)			10,000			15,050						10, 10	
short tons. Importsshort tons.	20, 207	18, 012	3 63, 434 17, 179	17, 871	18, 927	³ 71, 229 25, 890	23 122	34, 056	3 71, 134 37, 419	33, 886	33, 725	3 69, 060 31, 139	
Stocks, end of quartershort tons. Edible gelatin:		10,012	3 17, 491	11,611		27, 167		-,	a 41, 077	1		24, 502	
Production (quarterly)thous. of lbs. Stocks, end of quarterthous. of lbs.			3 4, 384 3 8, 626		-	3 4, 549 3 8, 642			3 4, 434 3 8, 224			3 2, 979 3 7, 499	
Fish oils:			. 0, 020			0, 1572		-	- 0, 221	·		7, 400	
Factory consumption (quarterly) thous. of its.			3 54, 465			1 44, 620			3 42, 675			3 36, 776	
Production (quarterly)thous. of lbs Stocks, end of quarterthous. of lbs.			3 4, 647 3 262, 106			11, 587 215, 405			3 25, 364 3 197, 758	3		. 3 55, 569 . 3 206, 425	
Greases: Factory consumption (quarterly)	1						1				-		
thous. of lbs. Production (quarterly)thous. of lbs.		l	55, 715 3 94, 985		-	3 53, 346 3 95, 948 3 79, 012		1	3 49, 494 3 89, 338			- 3 54, 870 - 3 91, 841	
Stocks, end of quarterthous. of lbs Lard compounds:			83, 074			3 79, 012			a 77, 791				
Production (quarterly) thous. of lbs. Stocks, end of quarter thous. of lbs			278, 216 25, 140			291, 386 3 26, 081			331, 413 26, 672	2	-	3 317, 220 3 21, 164	
Oleomargarine:	1	1	1	I		1			H	ĺ		1	1
Consumption thous of lbs Production thous of lbs	16, 483	9, 289 11, 271	13, 180 12, 636	15, 460 14, 912	17, 150 19, 618	19, 573 21, 154		27, 237 25, 740	27, 593 28, 969		33, 138 32, 191	27, 194 28, 554	
Vegetable oils: Exportsthous. of lbs	1,025	1,008	1,775	2, 356	2, 154	3, 831	2, 947	4, 775	2, 086	2, 294	2, 591	1, 794	1, 3
Factory consumption (quarterly) mills. of lbs			3 588			3 829			3 1, 076	3		3 564	
Imports thous. of lbs Production (quarterly) mills. of lbs	63, 096	74, 285	75, 470 3 390	72, 280	52, 463	68, 238 8 674	79, 809	72, 142		3 75, 352	106, 699		87, 0
Stocks, end of quarter— Crude———————thous. of lbs	1		3 517, 909			3 610, 812	1		3 635, 27	Į.		3 521, 194	1
Refined thous. of lbs.		-1	386, 176			3 531, 666				7	1	214, 682	

² Revised.

³ Quarter ended in month indicated.

Earlier data for items shown here may		·		1:	931	-		-			1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	Мау	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
CHEMICALS AND ALLIED PROD- UCTS—Continued		ALL RANGE OF THE PARTY OF THE P											
Fertilizer													
Fertilizer: Consumption, Southern States		25	74	195	1, 132	1,352	640	343	774	, c1	95	128	9.45
Exports thous, of short tons. Exports thous, of long tons.	40 115 35	89 35	89 12	108 108	1, 132 140 16	1, 552 104 24	98	91 23	74 72 18	61 85 13	125 37	119 48	2 45 116 48
Potash salts, imports_thous, of long tons_ Nitrate of soda, imports_ thous, of long tons_	35	19	30	34	67	120	68	46	36	35	27	19	9
Superphosphate (acid phosphate): Productionthous, of short tons	30	143	146	162	195	226	249	326	336	303	336	283	296
Shipmentsthous. of short tons Stocks, end of month		63	55	106	407	305	130	103	70	78	93	150	65
thous. of short tons		1,158	1,060	996	1, 101	1,836	2, 287	2, 292	2, 110	1, 877	1, 703	1,479	1, 527
Flaxseed		1 005		1 400			0.50	050	210		140		
Flaxseed, importsthous. of bu_ Linseed cake and meal:	1,339	1,685	1, 150	1,496	827	1,313	952	352	219	387	148	59	551
Exports thous, of lbs_Shipments from Minneapolis thous, of lbs_	57, 736	53, 225 11, 414	39, 769 7, 653	38, 172 8, 432	30, 818	39, 847 17, 827	18, 238 11, 046	10,853	33, 596 16, 824	25, 986 17, 315	12, 519 29, 726	8, 474 27, 149	22, 593
Linseed oil: Factory consumption (quarterly)	13, 972	11, 111	7,000	0, 102	12,140	11,021	11,040	11,221	10,024	17,010	20,120	21, 125	13, 398
thous, of lbs_ Price, New Yorkdolls, per lb_	. 083	. 691	³ 95, 544 , 086	.088		3 74, 092 . 095	.092	.088	3 68, 894 . 092	.094	. 099	* 81, 005 . 105	. 131
Production (quarterly)thous, of lbs Shipments from Minneapolis			³ 130, 635			³ 118, 417			³ 131, 257		 -	³ 108, 236	
Stocks at factories (quarterly)	5, 675	6, 285	6, 788	11, 921	12, 792	11,552	9, 594	8, 553	7, 385	10, 199	14, 792	11, 565	6, 117
Minneapolis and Duluth:	0.492	250	\$ 78, 200	450	200	3 113, 192	400	401	113, 423 709	1 494	2, 636	³ 83, 943 5, 054	0.000
Receipts thous, of bu- Shipments thous, of bu- Stocks, end of month thous, of bu-	2,436 406 747	378 386 675	789 501 790	456 424 784	309 314 973	498 185 1, 205	426 286 1, 293	491 243 877	517 1,386	1, 424 1, 910 1, 411	1, 618 2, 182	2,045 1,893	3, 266 1, 436 447
Oil mills (quarterly)—	141	0.0	3 7, 205	102	810	3 6, 571	1, 230	817	3 7, 391	1, 211	2, 102	3 5, 887	441
Consumption thous, of bu. Stocks, end of quarter thous, of bu. Price, No. 1. Minneapolis dolls, per bu.	1.41	1. 64	³ 1, 198 1, 48	1. 55	1, 57	3 2, 345 1. 58	1. 56	1, 57	3 4, 472 1. 61	1.65	1.80	3 3, 386 1, 90	2.00
Price, No. 1, Minneapolisdolls. per bu	4 11, 769								\$ 21, 369				
Naval Stores Pine oil:		010 511	004 005	010 010	040 050	200 400			000 505	000 000	007 400	000 000	
Production gallons Stocks, end of month thous. of gals	114, 205 1, 866	210, 711 2, 000	231, 207 2, 013	210, 012 1, 958	219, 053 1, 903	208, 690 1, 882	220, 066 1, 839	144, 440 1, 769	229, 737 1, 799	229, 979 1, 708	225, 688 1, 610	229, 238 1, 529	224, 546 1, 513
Rosin, gum: Net receipts, Southern portsbbls_ Price, "B," New Yorkdolls. per bbl_	129, 018 3, 94	156, 810 4. 28	165, 500 4, 68	120, 819 4, 70	88, 741 4, 73	38, 977 4, 64	27, 322 4, 38	41,345 4.45	117, 489 4, 95	107, 414 5, 29	127, 621 5, 54	140, 090 5. 80	151, 269 5. 39
Stocks at 3 ports, end of monthbbls Rosin, wood:		439, 241	436, 480	351, 548	310, 576	266, 056	300, 695	329, 626	372,090	323, 142	303, 669	276, 565	267, 540
Production bbls Stocks, end of month bbls	17, 074 112, 295	28, 495 131, 942	34, 747 126, 289	33, 593 124, 830	35, 585 126, 534	33, 544 125, 919	32, 332 130, 490	24, 488 125, 630	34, 332 122, 318	38, 931 119, 727	34, 818 109, 785	38, 293 117, 726	37, 349 114, 281
Turpentine, gum: Net receipts, Southern portsbbls	37, 112	53, 459	52, 345	37, 026	26, 102	9, 511	5, 354	7, 228	27, 482	28, 107	38, 500	42, 873	46, 521
Price, New York dolls. per gal. Stocks at port, end of month bbls.	. 36 114, 421	122, 214	101, 905	. 54 66, 248	56 53, 393	45, 232	. 45 58, 202	68, 320	84, 911	95, 860	.41 88,499	. 44 76, 774	65,024
Turpentine, wood: Productionbbls Stocks, end of monthbbls	2,607 5,358	4, 370 5, 307	5, 675 4, 535	5, 996 4, 7 27	6, 344 8, 383	5, 740 9, 987	5, 634 13, 537	4, 757 14, 437	6, 200 15, 799	6, 584 13, 895	5, 817 11, 257	6, 573 11, 163	6,125 $12,772$
Roofing	0,000	,	,,,,,,,	2,1.2.	0,000	.,	-5, 55.	- 1, 201			,	,	12, 1,2
Prepared roofing, shipments:													
Grit roll thous. of sqs_Shingles—		532	520	570	533	333	330	322	242	372	922	872	655
Individual and single thickness thous. of sqs.		127	131	155	146	92	60	51	63	86	191	196	176
Strip, patented, and hexagon thous. of sqs Smooth roll thous. of sqs		485 873	512 843	541 965	555 967	329 702	277 714	249 773	238 583	283 742	572 1,575	1,001 1,438	692 1,021
Total thous. of sqs_		2,017	2,006	2, 230	2,202	1,456	1,381	1,395	1,126	1,484	3, 259	3,506	2, 544
FOODSTUFFS													
Production index: Food products (Fed. Res. Bd.)rel. to 1923-25	88	2 88	83	91	96	87	92	93	89	94	94	96	91
Food and kindred products (elect. energy consumed) rel. to 1923-25_	146.4	147. 0	136. 2	126.8	122, 0	116.8	122.0	118.3	107.1	124. 4	137. 2	148.6	141. 2
Stocks, manufactured foodstuffsrel. to 1923-25	98.4	2 111. 1	2 106. 3	2 97. 0	2 96. 1	2 93. 5	2 97. 3	2 95. 5	2 89. 1	² 88. 6 200. 0	² 93. 7 196. 9	² 106. 2 197. 6	² 118. 0 183. 9
Stocks, raw foodstuffsrel. to 1923-25 Candy	207. 6	² 191.5	177. 9	189. 5	193, 7	202, 1	197, 9	194, 8	205. 1				
Sales by manufacturersthous. of dolls	15, 558	12, 176	15, 512	15,680	21,608	22,062	21,444	21, 948	28, 727	29, 500	31,004	28,027	19,044
Cocoa Shipments from Gold and Nigerian													
Coasts, Africalong tonslmportslong tons	4, 355 13, 546	7, 783 17, 746	11,870 14,892	11,720 22,520	33, 864 20, 242	48, 353 20, 942	51,550 13,696	39, 278 16, 418	21, 756 13, 700	18,888 6,338	12,660 7,410	7,554 11,008	13, 441 17, 863
Spot price, Accra, New Yorkdolls. per lb	. 0525	.0581	.0563	. 0494	. 0535	.0550	. 0563	.0619	. 0675	. 0688	.0675	.0670	. 0775
Coffee Clearances:													
Total, Brazil for United Statesthous. of bags Total, Brazil for worldthous. of bags	592	530	760	643	1,080	849	889	952	881	514	659	852	652
Importsthous. of bags	1, 216 884	1, 161 1, 100	1,504 1,037	1,333 1,415	1,863 1,126	1,559 1,407	1,590 1,289	1,647	1,590 1,098	1,080 967	1,176 1,159	1,469 991 .072	1, 318 712 . 072
Price, Rio No. 7, Brazil grades_dolls. per lb_ Receipts, total Brazilthous. of bags_ Visible supply:	. 056 1, 495	. 063 1, 462	.068 1,535	.061 1,755	. 053 1, 550	. 056 1, 565	. 064 1, 648	. 068 1, 697	. 070 1, 494	.079 1,549	. 089 1, 437	1,595	1, 462
United Statesthous. of bagsthous. of bags	1,592 6,944	1,491 6,990	² 1,395 6,724	1,345 6,286	1,088 6,136	1, 148 5, 963	1, 161 5, 879	866 5, 455	929 5, 188	817 5,014	828 5,051	934 5, 498	784 5, 529
			onth indi		0,100		of Sept.			Final est			J, 020

² Revised.

⁸ Quarter ended in month indicated.

^{&#}x27; As of Sept. 1.

⁸ Final estimate for 1930.

SURVEY OF CURRENT BUSINESS

Earlier data for items shown here may				19	31			ſ			1930				
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August		
FOODSTUFFS—Continued	:												.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Dairy Products								:							
BUTTER	İ														
Apparent consumptionthous of lbs_ Cold-storage holdings, creamery,		197, 536	205, 626	228, 387	184, 528	160, 753	152, 985	163, 689	166, 506	154, 987	181, 569	179, 305	193, 110		
end of monththous, of lbs Production (factory)thous, of lbs	136, 769	² 115, 121 158, 061	89, 172 188, 040	35, 155 174, 827	17, 195 140, 676	18, 010 ² 122, 954	30, 672 105, 192	46, 792 112, 843	63, 401 106, 181	88, 012 98, 138	117, 372	131, 489 119, 388	143, 089 133, 000		
Receipts, 5 markets thous, of lbs. Wholesale price, New York dolls, per lb.	. 28	58, 522 . 25	74, 154 . 23	² 61, 813	53,566 26	48, 739 . 29	43, 251 . 28	45, 644 . 29	43, 892 . 32	36, 848 . 36	38, 933 . 40	40, 853 . 40	44, 821 . 39		
Wholesale price, New Yorkrel. to 1926	62. 2	55. 6	51. 1	53. 3	57.8	64. 4	62. 2	64.4	71.1	80.0	88.9	88.9	86. 7		
Cheese Fotal, all varieties:															
Apparent consumptionthous, of ibs_ Cold-storage holdings, end of	45, 277	45, 088	53, 147	55, 345	47, 925	46, 332	33, 068	41, 070	39, 500	40, 035	41, 637	43, 695	47, 564		
month thous of lbs. Exports, Canada thous of ibs.	86, 310 11, 929	² 84, 003 11, 496	72,977 4,078	² 55, 939 1, 517	53, 172 505	54, 270 491	61, 841 306	69, 471 918	79, 015 4, 025	87, 171 14, 677	96, 393 16, 568	103, 691 12, 652	107, 219 10, 188		
Exports, United States thous, of ibs Imports, United States thous, of ibs	124	148 3,413	119 5, 121	139 5, 856	6,471	208 4, 611	118 4,062	129 4, 123	176 4, 163	108 5, 041	183 6, 293	121 4, 333	137 3, 687		
Receipts, 5 marketsthous. of lbs_ Production (factory)thous. of lbs_	14, 264	14, 190 52, 960	17, 480 64, 533	12, 145 52, 568	11, 445 40, 470	11, 717 34, 388	10, 406 26, 379	11,600 27,543	10,400 26,598	10, 784 25, 583	12, 226 28, 239	14, 509 36, 062	14, 952 41, 125		
American whole milk: Cold-storage holdings, end of		i	- 0 444	! !											
mouththous. of lbs Wholesale price, New York_dolls. per lb	68, 792	² 68, 532 . 15	58, 144 . 14	42, 461 . 14	40, 542 . 15	41,836	47, 968 . 16	54,499	63, 326 . 18	71,132	78, 919 . 19	85, 076 . 20	87, 221 . 19		
Eggs										:					
Cold-storage holdings, end of month: Casethous. of cases	9, 011	2 9, 504	9, 507	7,887	5, 162	1,893	408	735	1,894	4, 154	6,785	9, 174	10, 375		
Frozen thous of lbs Receipts, 5 markets thous of cases	110, 273	² 114, 700	113,513 1,862	106, 607 2, 236	91, 517 2, 478	78, 051 2, 046	73, 889 1, 264	75, 685 1, 026	83, 184 768	89, 571 593	98, 359 717		* 113, 138 944		
Milk			,	,	,	,	,		,			504			
Condensed milk: Exportsthous. of lbs	1, 477	1,862	1, 372	1,973	1,853	1,873	1, 345	2, 403	1, 907	1, 973	1,718	1, 479	3, 294		
Total stocks, manufacturers, end of month—	00.704	04.071	00.000	10.000	10.000	10.00	10.051	10.000	17.000	00.0	04.050	07.011	00.0		
Case goods thous, of lbs Bulk goods thous, of lbs	22, 504 15, 001	24, 071 2 16, 221	23, 998 18, 992	19, 892 19, 163	12, 390 15, 887	13, 227 16, 273	13, 051 16, 171	13, 928 18, 594	17, 803 19, 520	20, 657 20, 885	24, 650 21, 965	27, 314 23, 727	30, 875 25, 765		
Unsold stocks, end of month— Case goods———————————————————————————————————		20, 339 4, 285	20, 048 6, 126	16, 012 5, 661	8, 434 5, 069	9, 059 5, 549	8, 864 5, 285	9, 698 6, 986	14, 181 8, 297	16, 678 7, 842	20, 427 7, 935	22, 951 8, 119	26, 464		
Wholesale price, New York dolls, per case	5.00	5. 65	5.65	5. 65	5. 65	5. 65	5.79	6.03	6. 03	6. 03	6.03	6.03	6, 954 6. 03		
Exports thous, of lbs Manufacturers' stocks, end of month—	4, 466	5, 892	5, 024	5, 114	5, 311	5, 034	3, 775	5, 269	4, 546	4, 366	4,718	3, 452	5, 223		
Total case goodsthous. of lbsthous. of lbsthous. of lbs	181, 745	275, 931 209, 423	275, 280 225, 582 3. 20	230, 739 196, 089	177, 754 154, 490	150, 931 125, 498	136, 896 108, 672	157, 152 107, 009	202, 070 163, 478	211, 828 174, 148	224, 486 187, 262	218, 486 179, 047	244, 969 197, 189		
Wholesale price, New York dolls, per case Fluid milk:	3.00	3, 10	3. 20	3. 30	3, 50	3, 50	3, 50	3. 75	3.80	3.80	3.80	3.80	3.80		
Consumption in mfr. of oleomargarinethous, of lbs	; ;	2, 943	3,432	3, 791	5, 387	5, 927	5, 814	7, 464	8, 158	8, 404	9, 066	7,799	6, 173		
Receipts— Boston, including cream_thous. of qts. Greater New Yorkthous. of qts		21,615	21, 021 116, 580	21, 023 116, 117	19, 877 110, 313	20, 312 113, 329	17, 444 101, 197	18, 352 110, 428	18, 313	18, 226 111, 166	19, 403 116, 140	19, 634 119, 356	19,007		
Powdered milk: Exportsthous, of lbs		964	1,085	1, 369	1,414	2, 282	1,001	366	465	507	467	477	116, 769 426		
Manufactures' stocks, end of month thous. of lbs.			42,628	43, 148	40, 502	41, 363	11,744	41, 122	38, 976	i	i	32,770	34, 186		
Net new orders thous, of lbs Production, condensed and evapo-	10, 903	11,816	³ 11, 109	11,047	12, 145	10, 606	9, 492	10, 253	8, 945	8, 733	9, 853	10, 151	9, 623		
rated milkthous, of lbs	140, 437	175, 578	234, 055	244, 229	194, 753	172, 306	144, 649	141, 981	143, 280	132, 284	149, 136	139, 802	163, 034		
Canned salmon:	60 227	59, 996	47, 423	59, 883	91, 083	101,817	38,446	45, 998	107 222	108, 996	194, 623	159 770	00.404		
Exports, Canada cases—Shipments, United States thous of cases—Cold-storage holdings, 15th of		524	340	384	290	334	300	406	107, 333 333	273	653	152,779 1,433	29, 494 1, 030		
month thous, of lbs. Total catch, principal ports thous. of bbls.	57, 535 33, 612	48, 350 28, 6 26	39, 700 25, 655	31, 368 24, 599	28, 079 30, 949	38, 542 30, 081	56, 547 20, 635	71, 910 18, 353	85, 317 17, 567	91, 436 25, 967	88, 616 30, 541	85, 498 40, 687	² 78, 993 35, 875		
Fruits and Vegetables	,				•	·	,								
Apples: Car-lot shipmentcarloads	1,869	3, 155	1, 214	2,005	3, 081	5, 700	7, 115	7,806	8,085	17, 454	35, 782	12, 757	2, 729		
Cold-storage holdings, end of monththous, of bbls Production, crop estimatethous, of bu	*222, 962	·			1, 509	2, 917	5, 224	7, 439	9, 575	10,860	9, 043	1,872	114		
Citrus fruits, car-lot shipmentscarloads_ Onions, car-lot shipmentscarloads_	6, 073 2, 258	9, 407 1, 657	10, 693 2, 122	15, 585 3, 703	15, 059 2, 377	17, 572 2, 540	13, 980 2, 610	14, 197 3, 454	163,543 12,554 2 254	11, 338 2, 753	6, 301 5, 593	4, 510 5, 437	4, 441 2, 793		
Potatoes, car-lot shipmentscarleads_ Production, crop estimatethous. of bu	11,717	20, 161	27, 084	23, 895	21,032	23, 601	20, 024	20, 971	2, 254 15, 092 5 343,236	16, 267	28, 788	21, 924	15, 979		
Grains	155,000								223,200						
Total grain exports, including	4									1 =			İ		
flour thous, of bu	13, 439	18, 750	13, 161	11, 224	8, 118	6,061	5, 067	6,610	7,578	9,803	14, 091	21,041	26, 095		
BARLEY Exports thous, of bu-	1,014	678	807	896	776	745	921	732	1,047	964	1, 295	1,359	1, 281		
Price, No. 2, Minneapolis dolls, per bu- Price, No. 2, Minneapolis rel, to 1926.	70.3	. 42 65, 6	. 39 60. 9	. 45 70. 3	. 48 75. 0	. 44 68. 8	. 44 68. 8	. 44 68. 8	73. 4	. 48 75. 0	. 52 81. 3	. 53 82. 8	. 52 81. 3		
Production, crop estimatethous. of bu- Receipts, principal marketsthous. of bu- Visible supply, end of monththeus. of bu-	.14212, 391	1,801	2, 193	2, 523	2, 446	2, 484	2, 246	2, 511	⁵ 334,971 3, 569	4, 207	5, 765	12, 477	10, 822		
Visible supply, end of monththeus. of bu	4, 089	3, 449	4, 126	4,626	5,662	7,840	9, 583	10, 731	11, 401	11,854	12,035	11,991	2 9, 142		

¹ Revised.

As of Sept. 1.

[•] Final estimate for 1930.

Earlier data for items shown here may	Ī			19	31			<u> </u>	1930							
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August			
FOODSTUFFS—Continued																
Grains—Continued																
CORN																
Exports, including mealthous. of bu	201 4, 665	556 5, 168	123 5, 738	151 5, 580	206 5, 492	534 5, 441	443 5, 575	188 5, 990	132 5, 241	163 5, 434	295 6, 253	394 6, 473	332 6, 565			
Prices: No. 3, yellow, Chicagodolls. per bu No. 3, yellow, Kansas	. 46	. 57	. 58	. 56	. 58	.60	.61	. 65	. 69	. 71	. 82	. 94	.99			
City dolls per bu No. 3, white, Chicago dolls per bu Production crop estimate thous of bu	. 45	.53 .58	$\frac{.52}{.59}$. 52 . 56	. 53 . 58	0.54 0.60	. 54 . 63	. 59 . 68	. 66 . 73	. 69 . 76	.82 .88	.89 .97	.92			
Receipts	12,715,357 12, 272 7, 274	16, 152 8, 955	13, 417 10, 589	11, 381 14, 855	17, 102 14, 246	18, 567 12, 281	21, 278 11, 895	19, 320 12, 611	\$2,093,552 27,367 10,925	17, 067 8, 396	15, 176 8, 705	16, 048 9, 829	20, 282 12, 792			
Shipments thous. of bu- Visible supply, end of mo thous. of bu-	8, 271	8, 536	7, 785	12, 286	19, 676	21, 998	20, 110	17, 562	16, 993	7, 411	4, 703	4, 976	2 5, 441			
HAY Receiptsnumber of cars		3, 495	3, 052	3,777	4, 198	4, 519	4, 279	5, 214	4, 057	4, 863	5, 401	4, 808	4, 717			
Production, crop estimatethous. of tons.	4 77, 859								4 77, S50							
OATS thought including model thought bear of his	400	052	0#4	100	150	171	100	144	900	000		194	909			
Exports, including mealthous. of bu- Grindings, Canadathous. of bu- Price No. 3, white, Chicagodolls. per bu-	429	253 938 . 23	374 770 . 27	192 785 . 28	179 822 . 30	174 844 . 31	120 940 . 32	144 997 . 32	208 1, 126 . 34	1, 085 . 33	157 1, 174 . 36	1, 054 . 38	292 817 . 39			
Production, crop estimatethous. of bu- Froduction, oatmeal, and rolled	11,160,877						-		11,358,052							
oats, Canada	14, 036 15, 577	12, 963 5, 749 7, 785	11, 098 4, 748 7, 654	10, 525 5, 294 9, 892	9, 871 7, 604 13, 837	10, 243 6, 843 19, 103	11, 895 7, 123 22, 947	13, 320 6, 121 26, 650	14, 360 6, 021 30, 504	14, 605 6, 075 30, 641	11,749 9,445 33,509	14, 843 15, 381 31, 979	11, 032 25, 277 2 28, 999			
Rice	10,011	1,100	7,004	0,002	10,001	13, 103	22,011	20.000	30, 307	50,011	80,000	01, 370	- 20, 959			
Exportspockets (100 lbs.) linportspockets (100 lbs.)	108, 181 4, 475	100, 899 5, 443	239, 358 10, 009	260, 949 50, 472	203, 519 38, 748	211, 843 41, 223	259, 578 37, 821	376, 000 41, 891	413, 674 27, 501	383, 517 29, 294	159, 938 10, 681	01, 030 6, 505	99, 249 8, 675			
Production, crop estimatethous. of bu- Shipments:	4 40, 450								5 41, 322							
Total from millsthous. of pockets (100 lbs.) New Orleanspockets (100 lbs.)	78, 269	404 37, 121	601 75, 732	617 88, 718	780 68, 753	864 68, 349	933 74, 629	1, 119 75, 643	1, 003 75, 426	1, 208 126, 781	1, 323 201, 483	766 128, 756	499 90, 755			
Southern paddy, receipts at millsthous. of bbls	1	172	323	520	566	599	864	1, 147	844	1, 257	2,063	1, 084	508			
Stocks, end of monththous. of pockets (100 lbs.)		848	1, 051	1, 293	1, 388	1, 561	1,790	1, 793	1, 678	1,776	1,670	842	488			
RyE																
Exports, including flour thous of bu- Price No. 2, Minneapolis dolls per bu-	. 38	.10 .37	15 . 37	. 29 . 36	.35	34 . 36	19 .37	.38	. 44	. 43	49 .49	25 . 55	23 . 60			
Production, crop estimatethous. of bu- Receipts, principal marketsthous. of bu- Visible supply, end of monththous. of bu-		472 8,687	862 8, 730	1, 035 8, 540	880 9, 262	855 10, 440	716 11, 110	884 11,911	48, 149 1, 356 12, 644	1, 640 13, 316	2, 001 13, 860	6, 562 14, 842	5, 200 12, 649			
WHEAT		,,,,,	3,130	3,030	,, 101		,	,	,	1 3,, 4.25	,	1				
Exports: Canada, including wheat	14, 258	² 14, 107	22, 988	31, 687	6, 148	15, 521	12, 165	11, 373	24, 939	34, 782	33, 447	31, 120	20, 461			
flourthous. of bu	8,901	12,731	8, 136	6,496	3, 531	1, 357	137	1, 289	2, 173	3, 266	6, 311	12,716	18,646			
Including wheat flourthous. of bu_ Stocks, held by mills (quarterly)_thous. of bu_	11, 781	17, 253	11, 842 3 38, 771	9, 956	6, 954	4, 574 3 81, 841	3, 564	5, 543	6, 187 137,194	8, 470	12, 295		24, 167			
Prices: No. 1, northern spring, Minneapolisdolls. per bu	. 65	.61	. 74	.81	.79	.76	75	.76	. 77	. 75	. 82	. 87	.91			
No. 2, red winter, St. Louis dolls. per bu No. 2, hard winter,	. 47	.48	.72	. 79	.80	.78	. 79	.78	. 83	.83	. 87	.88	. 89			
Kansas Citydolls. per bu Production, crop estimate, Totalthous. of bu	836, 000	.44	. 68	.73	.73	.70	.69	.69	. 71 5 863,430	. 69	.74	. 78	.81			
Winter wheat thous. of bu- Spring wheat thous. of bu-	4 775, 537 4 110, 463								5 612, 268 5 251,162							
Receipts thous. of bushipments thous. of bushipments	67, 182	104, 047 65, 987	29, 656 30, 3 85	30, 863 24, 061	21, 230 16, 601	30, 833 15, 570	30, 672 14, 817	29, 496 13, 706	21, 549 15, 0 53	24, 597 20, 955	28, 943 25, 238	62, 569 44, 746	85, 476 48, 053			
Visible supply, end of month: Canadathous. of bu United Statesthous. of bu	101, 306 242, 846	116, 462 217, 526	122, 318 190, 702	136, 856 197, 563	160, 750 199, 561	180, 253 207, 138	183, 704 201, 862	193, 858 197, 219	205, 854 195, 716	197, 998 202, 475	178, 827 205, 437	148, 288 213, 804	2 100, 807 2 199, 909			
WHEAT FLOUR	12,020	211, 626	100,102	101,000	100,001	501, 100	200,000	101,220	100,110	202, 110	200, 201	}	100,000			
Consumption (computed)thous. of bbls_Exports:		7, 642	6, 666	8, 711	8, 281	8,654	8, 738	9,622	9, 846	10, 597	11, 059	10, 929	9, 585			
Canadathous. of bblsthous. of bblsthous. of bbls	522 640	² 467 1, 005	490 824	481 789	326 761	561 715	415 762	392 945	602 892	792 1, 156	814 1, 330	734 1, 412	627 1, 227			
Grindings of wheat: Canadathous. of bu		5, 932	5, 033	5, 304	4,719	5, 169	4,607	4,834	5, 226	7,789	3, 348	7, 255	6, 930			
United Statesthous, of bu_ Prices, wholesale: Standard patents, Minneapolis	44, 412	² 45, 362	35, 893	2 36, 946	2 39, 127	40, 137	37, 939	² 42, 529	41, 307	42, 428	49, 914	49, 382	47, 654			
Winter, straights, Kansas City	4. 21	4. 13	4. 75	4.85	4.71	4. 67	4.85	4.95	4. 89	4. 69	4.98	5. 08	5. 34			
Production: Canada thous of bbls.	2, 96	3.84	4, 12	4. 14	4.02	4.00	4.06	4.09	4.03	4.14	4. 23	4.44	4.56			
United States—		1, 319 9, 852	1, 121 7, 763	1, 183 8, 015	1, 058 8, 494	1, 164 8, 724	1, 035 8, 242	1,086 2 9, 232	1, 170 8, 973	1, 739 9, 184	1,869	1, 624 10, 674	1, 548			
Prorated (Russells')thous. of bbls Capacityper cent	58	9, 847 59	7, 981 47	8, 739 50	9, 134 51	9, 275 52	8, 7 50 56	9, 937 55	9, 888 54	10, 403	12, 089 62	12, 241	11, 562 62			
Grain offalthous, of bbls Stocks: All positions (computed)	785, 057	² 802, 424	647, 400	663, 303	702, 189	713, 507	678, 795	761, 935	739, 243	762, 108	899, 580	888, 576	851, 401			
end of monththous. of bbls Held by mills (quarterly)thous. of bbls		6,000	4,800 2,830	4,857	5, 618	5, 526 2 3, 712	5, 620	6,370	7,000 2 4,016	7, 850	9, 200	9, 500 8 3, 940	9, 600			
	rter ended	l in mont	h indicate	bd		As of S	Sept. 1.			al estima	te for 193(

SURVEY OF CURRENT BUSINESS

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	Мау	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FOODSTUFFS—Continued	}												
Meats													
CATTLE AND BEEF													
Beef products: Apparent consumptionthous. of lbs	432, 458	416, 802	404, 962	424, 672	421, 252	379, 405	335, 603	384, 754	397, 741	331, 945	463, 928	434, 287	409, 475
Cold-storage holdings, end of month thous. of lbs	38, 927	¹ 41, 055	45, 548	49, 448	53, 150	61, 111	67, 622	72, 398	75, 285	73, 392	63, 862	60, 023	59, 755
Exportsthous. of lbs Production, inspectedthous. of lbs	1, 837 430, 595	1,497 411,952	1, 573 400, 529	1, 468 419, 124	981 412, 757	1, 444 374, 151	961 330, 321	902 381, 531	1, 207 398, 741	1, 491 342, 405	2, 347 468, 983	1, 793 434, 625	1, 658 493, 681
Cattle movements primary markets: Local slaughterthousands	1,009	930	968	980	1,036	960	812	897	1.015	823	1, 183	1, 084	959
Receiptsthousands_ Shipments, stocker and feeder thousands	1, 821 251	1, 488 124	1, 540 111	1, 551 153	1, 617 175	1, 535 146	1, 303 147	1, 508 222	1, 736 332	1, 696 478	2, 377 691	2, 108 443	1, 605 150
Shipments, total thousands Prices:	756	561	552	561	581	546	486	607	1,015	873	1, 223	947	618
Beef, fresh, carcass, good native steers, Chicago dolls, per lb	. 144	. 129	. 129	. 143	. 160	. 169	. 178	. 195	. 195	. 195	. 195	. 191	. 168
Beef, fresh, carcass, good native steers, Chicagorel. to 1926	87. 9	78.8	78.8	8ñ. 8	97. 1	102.8	108.1	113.8	118.8	118.8	118.8	116. 1	102. 4
Beef, fresh, carcass, steers, New York dolls, per lb.	. 158	. 145	. 145	.155	.172	. 180	. 196	, 205	. 205	. 205	. 205	. 203	. 173
Beef, fresh, carcass, steers, New York rel. to 1926 Cattle, corn fed, Chicago	92.3	84.9	84. 9	90.8	100.8	105. 4	115.0	120. 1	120.1	120. 1	120. 1	118.6	101. 1
dolls. per 100 lbs Cattle, corn fed, Chicagorel. to 1926	8. 62 90. 5	7. 2 5 76. 1	7. 32 76. 8	7. 68 80. 5	8, 56 89, 9	9.08 95.2	9, 11 95, 8	10.00 405.0	10, 58 111, 0	10.31 108.2	9. 97 104. 6	10. 33 108. 4	9, 14 95, 9
Hogs and Pork		,,,,	10.0	33.0	30.0	00.2			*****	100.2	101.0	100.4	00.0
Hog movements, primary markets:	1.000		4 220		4 4000		10.000						
Local slaughter thousands Receipts thousands thousands thousands	1,398 2,454	1, 474 2, 511	1, 773 2, 854	1, 841 2, 938	1, 983 3, 067	1, 962 3, 207	² 2, 293 3, 704	2, 907 4, 652	2, 460 4, 002	2, 169 3, 439	2, 048 3, 441	1, 703 2, 799	1,487 $2,617$
Shipments, stocker and feeder thousands Shipments, total thousands	49 1, 045	37 1, 039	36 1, 072	33 1, 099	36 1,088	31 1, 234	37 1, 417	45 1, 739	41 1, 542	37 1, 269	39 1, 392	38 1,090	35 1, 133
Lard (included in pork products): Cold-storage holdings, end of month	1,010	1,000	1,012	1,000	1,000	1, 201	1, 711	3, 700	1,042	1, 203	1,502	1,000	3, 140.5
Exports thous. of lbs thous. of lbs	34, 510	² 121, 926 33, 824	115, 561 37, 786	103, 366 39, 623	95, 693 44, 769	78, 249 58, 395 127, 516	74, 977 68, 760	62, 624 68, 882	51, 434 45, 114	31, 582 42, 552	36, 211 41, 396	59, 732 37, 417	88, 868 49, 287
Production thous, of lbsPork production:	91,680	109, 265	123, 263	126, 323	129, 090		147, 632	186, 032	150, 538	119, 355	101, 672	88, 059	98, 167
Apparent consumptionthous. of lbs Cold-storage holdings, end of month—	553, 324	537, 017	583, 345	581, 110	523, 963	563, 934 921, 920	508, 890	663, 947	608, 323	553, 479	636, 426	551, 557	558, 041
Totalthous. of lbs_ Fresh and curedthous. of lbs_ Exports—	699, 173 594, 288	² 833, 737 ² 711, 811	890, 212 774, 651	931, 117 827, 751	963, 217 867, 524	843, 671	928, 385 853, 408	788, 888 726, 264	572, 626 521, 192	443, 286 411, 704	393, 017 356, 806	507, 159 447, 427	639, 827 550, 959
Totalthous. of lbs_Other products than lard	48, 032	49, 193	53, 226	55, 557	59, 406	73, 610	83, 470	86, 902	61, 134	62, 325	53, 798	53, 892	72, 654
Production, inspectedthous. of lbs	13, 522 457, 105	15, 369 532, 757	15, 440 597, 185	15, 934 604, 427	14, 637 624, 301	15, 215 630, 661	14, 710 731, 633	18, 020 962, 175	16, 020 798, 311	19, 773 665, 665	12, 402 575, 700	16, 475 472, 467	23, 431 500, 438
Prices: Hams, smoked, Chicagodolls. per lb	. 185	. 173	. 174	. 182	. 184	. 187	. 195	. 207	. 213	. 222	. 221	. 227	. 229
Hams, smoked, Chicagorel. to 1923 Hogs, heavy, Chicagodolls. per 100 lbs	60.1	56. 1 6. 24	56. 6 6. 39	59. 2 6. 40	59. 7 7. 08	60. 7 7. 18	63. 5 6. 73	67. 1 7. 34	60. 2 7. 94	72. 1 8. 86	71. 7 9. 86	73. 8 10. 58	74. 4 9. 78
Hogs, heavy, Chicagorel. to 1926_ Lard, prime contract, New York	51.4	50.6	51. 8	51. 9	57.4	58. 2 . 094	. 085	. 090	64.3	71.8	79.9	85.8	79, 2
SHEEP AND LAMBS		.002	. 000	.002	.000	.001	.000	.030	.100	.11.	.119	.119	
Lamb and mutton:													
Apparent consumptionthous. of lbs_Cold-storage holdings, end of month		,	i		1	54, 949	ļ.	58, 195		ł			52, 646
Production, inspectedthous, of lbs Prices—	1, 981 58, 466	1, 892 53, 947	2, 685 55, 678	2, 371 54, 433	2, 529 58, 579	3, 063 54, 486	3, 573 50, 511	4, 081 57, 642	4, 677 56, 453	4, 628 51, 236	4, 326 65, 060	4, 320 29, 297	3, 977 52, 268
Sheep, ewes, Chicago	1.98	2. 56	1. 55	2. 44	3. 29	3. 79	3. 69	3. 44	2. 93	3.38	3.84	3.08	3.09
dolls. per 100 lbs Sheep, ewes, Chicagorel. to 1926 Sheep, lambs, Chicago	30.0	38. 9	23. 5	37. 9	50.0	57. 5	55. 9	52.1	44. 4	51. 2	43. 1	46. 6	46.9
dolls. per 100 lbs. Sheep, lambs, Chicagorel. to 1926.	5, 95 43, 4	6. 06 44. 2	6. 98 50. 9	8. 36 61. 0	8. 76 64. 0	8. 27 60. 4	8. 31 60. 7	7. 98 58. 3	7. 40 54. 0	7. 13 52. 0	7. 03 51. 3	7. 35 53. 6	7. 72 56. 3
Sheep movement primary market: Local slaughterthousands Receiptsthousands	1, 474 3, 270	1, 342 2, 535	1, 384 2, 587	1, 464 2, 810	1, 410 2, 713	1, 157 2, 119	1, 056 1, 964	1, 201 2, 175	1, 230 2, 307	1, 079 2, 607	1, 597	1, 479	1, 266 2, 583
Shipments, stocker and feeder thousands.	718	243	289	176	189	103	105	184	2, 307	761	3, 784 1, 024	3, 580	465
Shipments, totalthousands_ Miscellaneous meats:	1, 734	1, 190	1, 214	1, 353	1, 304	948	908	979	1, 681	1, 534	2, 238	2, 016	1, 317
Cold-storage holdings, end of monththous. of lbs	66, 971	2 69, 026	75, 469	79, 331	81, 359	85, 678	92, 744	93, 747	84, 169	75, 818	72, 444	80, 653	84, 324
Total meats: Apparent consumptionmills. of lbs	1,044	1,008	1, 044	1,060	1,004	998	895	1, 107	1,062	936	1, 165	1,045	1, 020
Cold-storage holdings, end of monthmills. of lbs_ Productionmills. of lbs_	798 946	2 946 999	1, 014 1, 053	1, 062 1, 078	1, 100 1, 096	1, 972 1, 059	1, 092 1, 112	959 1, 401	737 1, 254	597 1, 059	534 1, 110	652 966	788 956
Poultry	720		1,000	1,010	1,000	1,000	1,112	1, 101	1, 204	1,009	1, 110	300	8-10
Cold-storage holdings, end of													
monththous. of lbs Receipts at 5 marketsthous. of lbs	43, 059 28, 655	² 36, 438 24, 871	32, 762 22, 164	35, 348 17, 252	45, 920 17, 443	69, 986 20 , 600	95, 188 26, 008	101, 307 34, 472	104, 913 73, 314	82, 925 67, 361	59, 269 33, 128	46, 938 24, 900	42, 589 20, 527
Prices												1	
Retail food (Dept. of Labor)rel. to 1913			118 72. 4	121 72. 9	124 75. 6	126 76. 7	127 77. 1	133 80. 1	137	141	144	146 89, 2	144 87. I
Wholesale foodrel. to 1926	73. 7	73, 1	14.4	1 44.8	10.0	1 10.1	11.1	1 00.1	81.8	85. 7	88. 6	1 08.2	. 51.

² Revised.

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FOODSTUFFS—Continued													
Sugar													
Cuban movement (raw):	215, 110	203, 030	140 604	127 005	04.005	124 000	100 450	96 510	231, 039	412 406	901 911	274, 588	214 020
Exportslong tons_ Receipts at Cuban portslong tons_ Stocks, end of nomth_thous. of long tons_	126, 016 754	203, 030 119, 664 843	148, 624 93, 548 930	137, 205 118, 514 982	94, 865 238, 872 1, 007	134, 928 546, 538 844	168, 450 429, 576 461	86, 518 105, 726 80	150, 277 669	413, 406 213, 688 764	291, 311 124, 848 958	152, 166 1, 163	314, 239 160, 710 1, 279
Prices: Retail coverage, 51 citiesrel. to 1913	104	102	102	102	104	106	107	107	107	107	106	107	111
Retail granulated, New Yorkdolls. per lb	. 053	. 051	. 050	. 050	.050	. 051	. 053	. 053	. 053	. 053	. 053	. 054	. 054
Wholesale, granulated, New York dolls, per lb.	. 046	. 046	. 044	. 043	. 044	. 043	. 045	.046	. 046	. 047	.044	.043	. 044
Wholesale, granulated, New York rel. to 1926.	84.1	84. 1	80. 3	78. 3	80. 1	79. 2	81. 4	83. 2	83. 2	85. 0	80.8	79. 2	80. 3
Raw: Imports—													
From Hawaii and Porto Ricolong tons	135, 228	148, 636	143, 382	161, 260	135, 457	150, 951	151, 980	81, 700	5, 590	50, 977	82, 660	117, 776	132, 240
From foreign countrieslong tons Meltings, 8 portslong tons	397, 042 376, 715	324, 848 469, 609	239, 085 383, 157	151, 815 332, 556	279, 578 403, 337	364, 493 351, 169	212, 453 290, 337	122, 071 258, 585	306, 500 207, 006	293, 455 337, 360	277, 350 402, 333	273, 952 413, 912	181, 182 360, 592
Stocks at refineries, end of monthlong tons	429, 229	367, 252	400, 567	463, 730	445, 535	420, 650	329, 324	293, 938	305, 208	321, 930	283, 778	378, 969	442, 894
Refined: Exports, including maplelong tons.	3, 896 76, 412	3, 952	4, 329	3, 338	5, 332 65, 633	4, 612 49, 077	3, 085 54, 570	3, 572	4, 723 33, 645	6, 576 59, 916	8, 553 62, 113	6, 668 72, 208	7, 246
Shipments, 2 portslong tons_ Stocks, 2 portslong tons	37, 116	98, 879 36, 481	78, 583 35, 030	57, 670 32, 632	43, 880	54, 665	29, 070	42, 717 34, 019	42, 555	37, 759	46, 134	53, 998	49, 066 53, 324
Tea													
Imports thous. of lbs. Price, Formosa, fine, New York dolls. per lb.	7, 977 , 225	6, 578 . 225	6, 953 , 225	4, 135 . 225	6, 184 . 225	7, 995 . 225	5, 223 . 225	7, 289 . 225	8, 029 225	7, 565 , 225	9, 917 . 223	8, 717 . 224	8, 134 . 290
FOREST PRODUCTS													. 200
Lumber													
ALL TYPES	ļ		}										
Exports Mft. b. m	99, 633	120, 354	120, 501		135, 771	73, 818	67, 792 35. 7	114, 557	128, 424	110,855	122, 690	139, 138	136, 628 43. 5
New ordersrel. to 1923-1925_ Prices, wholesale, compositerel. to 1926	41. 0 66. 0	35. 2 66. 3	² 47. 7 67. 8	² 35. 6 68. 4	41. 5 73. 3	40.3 74.2	73. 2	36. 7 76. 0	33. 8 78. 1	36. 8 80. 1	39. 4 80. 2	53. 7 80. 8	81. 1
Production index (elect. energy consumed) rel. to 1923-1925. Stocks, end of month rel. to 1923-1925.	79. 4 110. 6	76. 9 110. 1	86.3 106.3	97. 2 107. 7	91. 5 108. 2	93. 2 108. 8	84. 2 111. 2	82. 6 113. 2	73. 3 117. 3	86. 5 113. 7	77. 1 110. 0	105. 6 108. 3	97. 7 107. 4
Unfilled orders, end of month_rel. to 1923-1925		49. 7	51.4	48.1	49. 2	48.8	47.7	46.8	2 44. 7	42.6	46. 3	59.0	54. 9
RETAIL MOVEMENT													
Retail yards, 9th Fed. Res. Dist.: Sales		8, 513	10,084	8, 451	7, 767	5, 236	3, 494	3, 563	4, 145	9,028	13, 596	12, 516	12, 393 84, 567
Stocks, end of month		78, 274	79, 017	80, 051	80, 816	81, 158	80, 251	76, 552	70, 531	71, 025	73, 743	79, 471	4, 262
Sales M ft. b. m. Stocks, end of month M ft. b. m.	3, 280 36, 966	3, 745 37, 279	3, 432 37, 718	3, 421 38, 816	3, 368 39, 534	3, 389 39, 657	2, 641 38, 628	2, 878 37, 839	2, 530 37, 739	3, 940 38, 108	5, 114 38, 674	4, 580 40, 116	41, 543
FLOORING													
Maple flooring:	3, 312	2.710	4 045	3, 327	0.070	0 101	0.455	0 504	1 005	2,798	2 520	2,983	3, 541
New orders M ft. b. m Production M ft. b. m Shipments M ft. b. m	2, 973 3, 397	3, 712 2, 737 3, 447	4, 245 3, 116 3, 778	2, 629 3, 315	3, 679 3, 326 3, 226	3, 131 3, 760 3, 017	3, 455 3, 179 2, 676	3, 584 3, 452 2, 351	1, 905 3, 045 1, 811	2, 759 2, 759 2, 554	2, 530 2, 643 2, 886	3, 301 3, 331	3, 616 4, 416
Stocks, end of month Mft. b. m. Unfilled orders, end of month Mft. b. m.	21, 130 4, 183	21, 321 4, 772	21, 821 4, 955	23, 467 4, 604	24, 191 5, 312	26, 193 5, 180	25, 835 5, 248	25, 578 4, 664	24, 271 3, 491	23, 353 3, 204	22, 985 3, 188	23, 915 2, 953	24, 476 3, 528
HARDWOODS	,	1,	1,000	1,001	0,012	0,100	0,210	1,001	0, 101	0,201	3, 200	2,000	
All hardwoods:]												139
New orders mill. ft. b. m. Production mill. ft. b. m.	131 101	139 109	176 143	158 146	154 146	173 165	188 158	169 143	125 134	133 143	154 158	176 161	165 154
Shipments mill. ft. b. m. Stocks, end of month—	143 3,020	139	161	169	161	176	165	158	125	148	169	180	3, 308
Total mill. ft. b. m Unsold mill. ft. b. m Unfilled orders, end of	2, 645	3,065 2,662	3, 126 2, 707	3, 149 2, 718	3, 175 2, 713	3, 205 2, 731	3, 249 2, 769	3, 308 2, 851	3, 319 2, 863	3, 273 2, 821	3, 270 2, 805	3, 261 2, 787	2, 808
monthmill. ft. b. m_	375	402	419	431	463	473	481	456	456	452	466	475	500
Stocks, end of month— Total mill. ft. b. m.	634	653	683	686	694	703	713	726	611	610	608	601	610
Unsold mill. ft. b. m Unfilled orders, end of	542	551	575	586	593	598	601	607	511	509	504	494	497
Morthern hardwoods:	92	102	108	100	101	106	112	118	100	102	104	107	9, 225
Production M ft. b. m. Shipments M ft. b. m.		6, 173 9, 846	11,878 11,690	10, 820 10, 330	12, 767 12, 806	17, 878 12, 631	17, 252 12, 330	14, 178 10, 854	8, 147 8, 021	4, 382 9, 374	4,772 11,285	4, 371 11, 862	11, 167
Oak: Stocks, end of month—	853										7 001		1, 036
Total mill, ft. b. m. Unsold mill, ft. b. m. Unfilled orders, end of	783	864 783	890 803	914 809	935 814	966 844	990 861	1, 017 918	1, 029 935	1,022 928	1,021 924	1, 016 918	927
Unfilled orders, end of monthmill. ft. b. m Walnut logs:	70	81	88	105	120	122	129	99	95	95	97	98	109
Made into lumber and	709	523	958	1, 135	925	816	829	895	1, 146	1, 340	1, 421	1, 109	1, 029
veneer	776 510	666 442	958 674 293	1, 135 828 519	719 845	699 1, 050	874 1, 172	1, 179 1, 136	1, 146 1, 204 777	1, 340 1, 460 791	1, 421 1, 294 670	1, 103 1, 171 805	886 745
Walnut lumber: New orders	1, 252	1,574	996	1, 181	1, 393	2, 094	1, 172 1, 471	1, 150	1, 203	1, 343	1,809	1, 735	1,698
Production Mft. b. m. Shipments Mft. b. m.	887 1, 472	624 1, 853	1, 075 1, 223	1, 382 1, 277	1, 141 1, 506	875 1, 942	804 1, 363	642 1, 064	1, 184 1, 187	1, 444 1, 470	1, 386 1, 907	1, 121 1, 861	1, 174 1, 511
Stocks, end of month		14, 543 2, 981	15, 837	15, 990	15, 893 3, 279	16, 265 3, 522	17, 236 3, 314	18, 295 3, 211	17,670	18, 731 3, 393	18, 796	19, 334 4, 085	20, 090 4, 025
,		, •		-,	-, 5	-,	.,			,	,	,	

Earlier data for items shown here may				1931						19	30		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FOREST PRODUCTS—Continued													
Lumber-Continued													
SOFTWOOD													
California redwood: New orders (computed)M ft. b. m	15, 386	16, 576	19, 321	19, 220	22, 480	24, 485	20, 695	25, 928	17, 857	21, 485	30, 603	27, 155	25, 293
Production (computed)	16, 270 17, 323	14, 717 18, 131	16, 429 18, 253	17, 616 21, 568	18, 761 21, 898	21, 795 24, 852	23, 836 23, 555	26, 998 21, 410	23, 048 20, 307	25, 900 20, 549	35, 063 31, 808	28, 337 27, 505	28, 835 25, 044
Unfilled orders, end of month (computed)	17, 380	19, 331	20, 376	20, 237	22, 290	22, 726	23, 613	28, 725	22,766	24, 514	24, 277	26, 150	26, 573
Douglas fir: Exports—	45 200	E2 000	47 700	60 049	62 150	15 011	14, 951	38, 251	53, 718	42, 364	43, 801	48, 097	42, 129
Lumber M ft. b. m. Timber M ft. b. m. New orders M ft. b. m.	45,308 25,155 188,460	53, 088 18, 186 181, 297	47, 766 35, 718 191, 146	69, 043 55, 586 188, 907	63, 159 37, 573 224, 272	15, 211 19, 964 217, 109	14, 978 189, 355	16, 081 191, 593	12, 859 189, 355	9, 151 186, 222	12, 511 203, 232	16, 114 217, 557	25, 850 222, 929
Price wholesale— No. 1 common_dolls. per M ft. b. m_	10. 97	10. 64	11. 25	11. 64	12. 12	12.68	12. 86	12.82	12. 99	13. 25	12.98	13. 14	13. 44
Flooring, 1 x 4 "B"													
Gdolls. per M ft. b. m. Production	25. 29 171, 897	25. 76 149, 067	25. 98 199, 651	28. 33 206, 813	29. 74 201, 889	31. 14 186, 222	31. 65 179, 059	31. 33 160, 258	31. 73 167, 420	33. 40 191, 593	33. 77 208, 156		35. 65 206, 813
Unfilled orders, end of month M ft. b. m	175, 030 111, 017	173, 240 165, 630	197, 413 162, 944	221, 586 135, 637	200, 099 215, 766	195, 622 196, 517	186, 669 181, 745	178, 164 182, 640	174, 583 188, 012	179, 954 176, 373	199, 651 137, 876	200, 546 176, 373	218, 452 134, 742
North Carolina pine: Production (computed)M ft. b. m Shipments (computed)M ft. b. m	24, 276 32, 375	27, 013 30, 408	30, 338 34, 293	30, 233 31, 780	31, 241 34, 454	27, 489 33, 250	24, 318 32, 417	24, 129 32, 844	28, 350 30, 317	28, 140 34, 300	29, 386 35, 049	27, 832 35, 392	27, 349 33, 481
Northern hemlock: Production M ft. b. m.		10, 128	10, 013	9, 893	8, 616	6, 583	6, 085	6, 526	5, 812	4, 046	4, 374	6, 876	8, 223
Shipments M ft. b. m Southern yellow pine:		8, 640	9, 554	7, 894	7, 437	5, 432	5, 508	6,094	4, 955	6, 596	7, 436	6, 751	7, 007
Exports— Lumber———— M ft. b. m—	21, 956	29, 925	30, 278	34, 067	32, 544	22, 478	21,309	33, 509	35, 873	28, 113	31, 957	44, 007	43, 312
Timber	7,888 151,484	8, 745 146, 860	12, 535 140, 322	5, 827 157, 920	10, 256 169, 015	6, 261 174, 020	4, 935 170, 709	8, 163 190, 985	9, 029 146, 465	11, 896 177, 327	10, 590 213, 028	11, 509 206, 024	9, 153 189, 350
Price indexrel. to 1926_	27. 68 61. 4 119. 828	27. 82 61. 7 2121, 994	28. 15 62. 4 126, 739	28. 82 63. 9 148, 048	28. 32 68. 2 165, 325	29. 66 65. 8 164, 929	28. 42 63. 0 153, 831	30. 73 68. 1 165, 065	32. 51 72. 1 157, 143	33. 44 74. 1 184, 712	34. 01 75. 4 210, 972	33.48 74.2 207,107	31, 72 70, 3 202, 016
Production M ft. b. m Shipments M ft. b. m Unfilled orders M ft. b. m	155, 511 85, 281	151, 488 83, 013	138, 663 78, 246	165, 004 83, 958	180, 306 104, 307	175, 742 113, 043	163, 926 106, 932	182, 679 116, 193	145, 110 99, 036	176, 110	217, 885 108, 864	209, 545 112, 266	199, 360 124, 362
Western pine: New ordersmill. ft. b. m	127	128	114	107	141	109	112	87	111	97	177	149	131
Production	125 125	137 119	156 125	135 122	141 125	112 120	66 107	63 107	85 108	98 114	139 164	152 152	183 159
	1, 225	1, 245	1, 230	² 1, 204	1, 196	1, 174	1, 174	1,218	1, 262	1, 284	1,300	1, 330	1, 336
VENEER Rotary-cut veneer:													
Receiptsno. of carloads_ Purchasesno. of carloads_	85 64	78 92	99 99	79 54	83 59	105 82	118 118	101 138	111 112	106 97	101 101	147 139	100 106
Furniture													
Household furniture and case goods:	1												
Grand Rapids district— Cancellationsper cent new orders New ordersno. days' production	7.0 15	6. 5 13	4.5 27	13. 0 9	8. 0 13	12.0 14	6. 0 13	7.0	16.0 15	7.0	9. 0 21	5. 0 29	6. 0 18
Outstanding accounts.	36	32	32	31	33	34	35	42	43	48	51	52	40
end of monthno. days' sales Plant operationsper cent full time Shipmentsno. days' production	73. 0 16	80. 0 14	74.0 12	70. 0 11	67. 0 13	64. 0 13	63. 0 13	68.0 14	71.0 17		85. 0 26	89. 0 27	79. 0 18
Unfilled orders, end of month_no. days' production_	20	22	23	11	15	15	17	18	17	22	20	26	24
Southeastern district— Shipments——dolls., av. per firm—	59, 223	55, 063	43, 077	46, 431	52, 390	62, 382	50, 858	36, 692	29, 051	43, 975	70, 007	74, 123	67, 163
Unfilled orders, end of month dolls., av. per firm. Steel furniture. (See under steel manufac-	47, 706	47, 997	56, 865	19, 338	28, 248	29, 798	34, 160	31, 781	14, 400	19, 917	29, 117	43, 680	42, 268
tured products.) Wholesale prices:										-			
Bedsrel. to 1926_ Dining-room chairs, sets of six_rel. to 1926_	82. 9 92. 1	85. 2 92. 1	85. 2 93. 0	86. 8 94. 0	90. 7 94. 0	90. 7 94. 0	90. 7 94. 0	90. 7 94. 0	90. 7 94. 0	94.0	91. 7 94. 0	91. 7 94. 0	91. 7 94. 0
Kitchen cabinetsrel. to 1926_ Living-room davenportsrel. to 1926_	102. 9 88. 2	102. 9 88. 6	102. 9 89. 8	102.9 89.8	102. 9 93. 2	102. 9 93. 2	102. 9 92. 3	102. 9 92. 3	102. 9 92. 3		102. 9 92. 3		102. 9 92. 3
LEATHER PRODUCTS													
Prices, wholesale, compositerel. to 1926. Production index (Fed. Res. Bd.)	90.3	89. 8	87.8	88.1	88. 4	88.4	89. 0	90.8	91.5	93. 3	96.7	98.2	99. 9
rel. to 1923-25. Production index (elec. energy consumed)	102	2 101	² 100	2 107	102	92	87	2 78	81	1	89	95	95
rel. to 1923-25. Stocks, end of monthrel. to 1923-25.	77. 1	83. 8 2 77. 6	85. 4 2 77. 5	81. 0 2 78. 8	83. 9 2 79. 4	71. 2 2 80. 4	76. 1 2 81. 4	71. 6 2 85. 1	68.7 2 85.9		² 84. 9 ² 83. 9	73.5 281.6	87. 7 2 80. 8
Hides													
Imports— Calfskins thous of lbs Cattle hides thous of lbs	3, 731 11, 870	4, 699 9, 313	² 2, 472 7, 528	3, 804 6, 812	2, 857 4, 404	1, 449 6, 867	1, 107 4, 149	1, 670 5, 186	1,722 6,781	2, 202 6, 781	3, 264 6, 888	2, 835 12, 743	1.403 11,389
Goatskinsthous, of lbs.	7, 556 3, 368	7, 686 1, 582	9, 321 3, 313	8, 274 3, 091	6, 160 4, 453	6, 292 3, 280	3, 991 2, 890	5, 863	6, 154 3, 313	5, 167	7, 268 2, 821	6, 807 3, 289	8, 075 4, 460
Sheepskinsthous. of lbs. Total, hides and skinsthous. of lbs. Inspected slaughter of livestock:	29, 513	28, 332	26, 053	24, 437	19, 616	19, 468	13, 417	20, 211	20, 471		21, 512	27, 598	26, 681
Canada— Cattle and calves_thous. of animals.	. 78	77	92	103	101	85	58		75	78	97	84	75
Swinethous. of animals_ Sheep and lambsthous. of animals_	162	148 71	164 56	158 23	172 27	154 32	161 32	166 37	170 53		160 185	140 114	124 79
United States— Cattle————thous, of animals—	727 357	706 356	667 417	704 425	690 471	635 416	559 353	651 379	692 398		836 438		700 363
Calves thous, of animals. Swine thous, of animals. Sheep thous, of animals.	2, 500	2, 767	3, 251 1, 516	3, 408	3, 488	3, 523	4, 142	5, 362	4, 647 1, 426	4, 024	3, 492	2,773	2,724
omorpassassassassasson of antinaisa	., -, 000	, -, -01	, -, 010	, -,	, -, 100	,021	, -,0	, -,0	, 2, 120	, -, 550	-, 1	, ., .,	-,

Equipment of the forest of the second of the				1	931			 			1930		
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
LEATHER PRODUCTS—Continued													
Hides—Continued													
Prices: Packers, heavy, native steers (Chicago)	0.110	0.100	0.100	0.005	0.000	0.000	0.079	0.005	0.107	0.110	0.100	0.140	0.100
Calfskins, No. 1, country (Chicago	0.113	0. 120	0.100	0.085	0.092	0.090	0.073	0.095	0. 107	0.118	0. 133	0. 146	0. 136
Stocks, end of month: Calf and kip skinsthous. of lbs	. 129	42, 778	2 38, 227		. 135	. 128	2 35, 397	i '	2 40, 068		2 39, 084	2 37, 249	. 161
Cattle hides thous of lbs. Sheep and lamb skins thous of lbs.	1	206 317	209, 697 34, 034	216, 400	220, 846	223, 182 34, 168	225, 315 33, 172	235, 649 33, 296	237, 392	227, 647 34, 368	227, 099	218, 446 35, 490	212, 980 36, 079
Total hides and skinsthous. of lbs_		284, 318	² 281, 958	35, 026 2 287, 472	2 288, 767	² 291, 268	2 293, 884	2 307, 662	² 311, 949		² 300, 729	² 291, 185	2 288, 695
Raw Sole and belting:													
Exports (sole only) thous. of lbs. Price, oak, scoured backs (Boston)	459	652	983	1, 143	1,442	949	713	726	1, 128	825	691	673	374
Price, cak, scoured backs (Boston)	4.00	.370	. 370	.370	. 370	. 370	. 365	2.380	.400	.410	.410	. 440	. 460
Production—	91.3	84.4	84.4	84.4	84.4	84.4	83. 3	86, 7	91.3	93. 5	93. 5	100.4	104. 9
Sole only_thous. of backs, bends, sides Sole and beltingthous. of lbs		1, 097 19, 281	1,076 19,522	1, 034 18, 388	1, 137 20, 406	984 18, 219	951 17, 386	1, 087 19, 559	1, 226 21, 993	1, 071 18, 777	1, 333 23, 418	1, 330 23, 137	1, 316 23, 223
Stocks, end of month— Finished————thous. of lbs.		81, 906	85, 626	85, 848	87, 196	88, 044	90, 321	91, 827	90, 878	86, 331	84, 036	81, 569	80, 018
In process of tanningthous, of lbs Upper leather:	1	1	67, 070	67, 938	68, 933	71, 122	72, 488	73, 261	74, 135	77, 485	78, 815	80, 895	84, 367
Exportsthous. of sq. ft_ Price, composite, chrome, calf, black "B"	6, 635	7, 463	9, 234	9, 211	8, 752	9,347	7, 700	9, 133	8, 118	7, 451	9,838	8, 813	8, 367
gradedolls. per sq. ftthous. of sq. ft	.348	. 350 67, 234	. 352 63, 229	. 356 60, 542	. 356 62, 536	.352 61,515	. 354 54, 706	. 359 52, 225	² .355 ² 57,888	. 367 2 51, 848	. 372 65, 339	. 372 63, 304	. 371 61, 477
Stocks— Finished————thous. of sq. ft— In process of tanning—thous. of sq. ft—		246, 424 128, 435	² 250, 612 126, 684	254, 142 124, 330	257, 195 125, 722	261, 057 127, 867	264, 392 128, 967	² 272, 866 129, 513	² 280, 856 ² 127, 785	279, 023 133, 357	270, 902 137, 513	255, 787 141, 495	254, 020 143, 063
Manufactures		120, 400	120,004	124, 000	120, 122	121,001	143, 901	129, 515	- 121, 700	155, 557	101,010	141, 490	145,005
Gloves cutdozen pairs_		164, 205	182, 077	171, 968	191, 120	175, 988	158, 485	162, 388	157, 079	236, 263	236, 911	219, 548	241, 146
Shoes: Exportsthous. of pairs	132	140	167	194	177	185	130	130	208	270	269	- 256	263
Prices, wholesale— Men's black calf blucher		0.55	0.55	2.55	2.55				0.55	0.55		0.55	
(Boston) dolls. per pair. Men's dress welt tanned calf, oxford	6. 75	6. 75	6. 75	6.75	6.75	6.75	6.75	6. 75	6.75	6. 75	6. 75	6. 75	6. 75
(St. Louis)dolls. per pair_ Women's black kid, McKay seweddolls. per pair_	4. 35 3. 15	4. 35 3. 15	4. 49 3. 25	4. 60 3. 25	4. 60 3. 25	4. 60 3. 25	4.60	4.60	4. 72	4.85	4, 85	4.85	4.85
Production— Totalthous. of prs_		28, 414	27, 839	28, 452	29, 888	29, 364	3. 25 23, 971	3. 25	3. 45 17, 537	3. 55 18, 541	3. 55 27, 731	3. 55 29, 334	3, 55 28, 429
Men'sthous. of prs_		7,315	7, 244 1, 605	6, 735 1, 647	6, 641 1, 768	6, 254 1, 654	5, 687 1, 438	5, 250 1, 418	5, 034 1, 262	4, 740 1, 271	6, 436 1, 558	6, 568 1, 609	6, 607 1, 653
Women'sthous, of prs Misses' and children's thous, of prs		10, 337 2, 836	9, 596 2, 835	10, 058 3, 128	11, 042 3, 846	11, 888 3, 712	9, 644 2, 983	7, 573 2, 495	5, 401 2, 003	5, 034 1, 769	10, 385 2, 393	11, 856 2, 742	11, 578 2, 895
Slippers, all typesthous. of prs_ All other footwearthous. of prs_		3, 412 2, 838	2, 974 3, 585	2,812 4,072	2. 454 4, 137	2, 045 3, 811	1, 370 2, 849	853 2,300	2, 044 1, 793	3, 953 1, 774	4, 684 2, 275	4, 292 2, 267	3, 460 2, 236
IRON AND STEEL		,	.,	,,,,,	2, 2.	3, 5		1,500	,,,,,,,	,	-,	-,	,
New ordersrel. to 1923-25 Prices, wholesalerel. to 1926	47. 5 86. 6	56. 2 87. 1	59. 0 86. 9	57.9 87.2	83. 6 87. 5	74. 5 88. 1	59. 9 88. 4	66. 9 88. 1	70.9 88.0	58. 0 88. 3	67. 8 88. 6	70. 7 89. 5	74. 4 90. 1
Production index (Fed. Res. Bd.)rel. to 1923-25	51	59	64	72	75	78	73	64	59	65	274	2 85	2 92
Production index (elect. energy consumed)rel. to 1923-25	78.0	83. 1	86.6	106.8	108. 1	119. 4	116.5	103. 4	110. 2	106. 5	126. 0	110. 3	112.0
Stocks, manufactured goods, end of month rel. to 1923-25	128.6	[136, 6	138. 9	142.8	145. 7	141. 1	141. 7	146. 4	146. 1	147. 1	145. 3	143. 3
Unfilled orders, end of month_rel. to 1923-25_		57. 6	60. 3	62.4	67.4	69. 6	68.6	71.6	76. 3	69. 4	67.4	67.9	70.5
Ore Iron ore:													
Consumptionthous of long tons Importsthous of long tons	1, 652 92	1,832 128	2, 114 122	2, 675 194	2, 826 163	2, 835 169	2, 368 95	2, 350 150	2, 339 176	2, 640 74	3, 050 186	3, 282 215	3, 673 178
Receipts— Lake Erie ports and furnaces——thous. of long tons—	3, 229	3, 191	9 260	599	9	^				1 624	4 011	4 791	5, 586
Other portsthous. of long tons Shipments from mines	1,658	1, 735	2, 369 1, 428	656	106	0	0	0	0	1, 634 993	4, 011 1, 675	4, 721 1, 891	2, 492
Stocks end of month—	5,065	4, 956	3, 808	1, 769	176	0	0	0	0	1, 988	5, 531	6,488	8, 252
At furnacesthous. of long tons On Lake Erie docks	29, 385	26, 451	23, 556	21, 968	23, 292	25, 751	28, 247	30, 430	32,618	34, 761	34, 750	32, 323	29, 397
Totalthous. of long tons_	5, 686 35, 071	5, 366 31, 817	5, 157 28, 713	5, 147 27, 115	5, 430 28, 722	5, 765 31, 516	6, 011 34, 258	6, 190 36, 620	6, 331 38, 949	6, 466 41, 227	6, 342 41, 092	6, 043 38, 366	5, 541 34, 938
Manganese ore: Importsthous. of long tons	22	38	37	21	33	2	10	17	29	10	18	22	. 8
Iron—Crude													
Gray-iron castings:	00		***	-00		100	***						
Production av. tons per foundry. New business av tons per foundry.	99 79	101 92	108 82	126 105	122 123	122 134	108 107	101 97	103 101	106 77	137 98	135 100	127 108
Unfilled ordersav. tons per foundry_ Material receivedav. tons per foundry_	70 123	70 117	60 123	77 134	93 140	98 136	84 118	68 131	80 112	53 135	56 142	85 150	104 141
Material on handav. tons per foundry Malleable castings:	231	226	229	232	252	261	268	309	273	260	292	254	268
New orders short tons Operating activities per ct. of capacity Production short tons	18.8	2 19,400 2 20.1 2 19,943	22, 176 24, 5 23, 837	28, 208 32, 1 31, 344	36, 086 36, 3 36, 076	34, 331 35, 9	32, 566 34. 4	32,676 31.5	26, 433 31, 1 30, 431	27, 451 27, 8	24, 171 29. 0	26, 251 27, 2	25, 409 26, 2 25, 614
Shipmentsshort tons	20, 301	² 19, 943 ² 23, 511	28, 132	36, 686	37, 693	35, 210 36, 677	33, 587 32, 663	31, 267 31, 536		27, 114 25, 974	28, 785 29, 206	26, 528 29, 223	31, 845
³ Revised.													

2 Revised.

				193	1						1930		
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
IRON AND STEEL-Continued												-	
Iron—Crude-Continued													
Pig-iron production: Canadathous. of long tons.		40	56	51	54	57	46	36	38	46	40	49	57
Merchant furnaces thous of long tons. United States, total rel. to 1923-25. Pig-iron furnaces in blast, end of month:	297 1, 281 42. 9	371 1,463 49.0	336 1, 639 54. 9	410 1, 994 66. 7	404 2,020 67.6	356 2, 032 68. 0	317 1, 707 57. 1	292 1, 714 57. 4	396 1, 666 55. 8	375 1, 867 62. 5	373 2, 165 72. 5	407 2, 277 76. 2	513 2, 524 84. 5
Furnaces, end of monthnumber Capacity, end of month.long tons per day	76 39, 085	82 45, 230	91 50, 855	105 61,085	113 66, 980	67, 880	108 61,850	102 57, 365	95 51,330	107 60, 205	111 65, 965	123 73, 525	139 80, 620
Prices, wholesale: Basic (valley furnace)dolls, per long ton Basic (valley furnace)rel. to 1926 Composite pig-irondolls, per long ton_	15. 50 83. 6 16. 38	15, 50 83, 6 16, 38	15, 50 83, 6 16, 40	16. 25 87. 6 16. 64	16, 50 89, 0 16, 75	16. 50 89. 0 16. 72	16. 75 90. 3 16. 82	17. 00 91. 7 16. 94	17, 00 91, 7 17, 01	17. 00 91. 7 17. 14	17. 00 91. 7 17. 30	17. 60 94. 9 17. 70	18. 00 97. 0 17. 99
Foundry, No. 2, northern (Pittsburgh)dolls. per long ton. Foundry, No. 2, northern (Pittsburgh)rel. to 1926.		18, 76 91, 0	18. 76 91. 0	18. 76 91, 0	18. 76 91. 0	18. 26 88. 6	18. 51 89. 8	18. 76 91. 0	18. 76 91. 0	18. 76 91. 0	18. 89 91. 6	19. 56 94, 9	19. 76 95. 8
Iron—Manufactured Products	31.0	31.0	31.0	31.0	31.0	03.0	00.0	31.0	31.0	91.0	31.0	91, 9	30.0
Cast-iron boilers:													
Gas-fired boilers— Production thous. B. t. u. Shipments thous. B. t. u. Shipments dollars. Stocks, end of month mills. B. t. u. Round boilers—	195, 946	201, 956 155, 723 159, 568 1, 089	178, 101 156, 769 166, 923 1, 069	174, 244 154, 650 148, 749 1, 014	227, 605 150, 227 149, 057 997	210, 584 95, 765 94, 251 916	178, 224 114, 593 116, 186 797	163, 390 98, 397 92, 702 721	85, 399 221, 775 181, 966 621	85, 328 149, 507 202, 835 759	250, 001 359, 206 445, 101 885	286, 748 334, 266 396, 788 940	268, 664 364, 861 430, 365 949
New orders thous of lbs. Production thous of lbs. Shipments thous of lbs. Stocks, end of month thous of lbs. Square boilers.	4,662	5, 520 3, 977 6, 071 57, 274	4, 948 4, 654 5, 055 59, 876	4, 525 5, 069 4, 787 59, 770	3, 741 6, 553 4, 232 60, 221	4,311 4,864 4,071 57,794	3, 912 5, 509 4, 183 56, 878	6, 412 4, 109 5, 724 54, 997	7, 193 3, 614 7, 131 51, 657	9, 495 5, 910 10, 041 53, 686	14, 521 8, 291 17, 774 59, 134	11, 894 6, 321 12, 162 68, 182	7, 392 4, 603 8, 736 72, 967
New orders thous, of lbs. Production thous, of lbs. Shipments thous of lbs. Stocks, end of month thous, of lbs.	15, 264	14, 765 13, 028 15, 184 139, 469	12, 200 13, 256 11, 422 141, 522	10, 049 13, 140 9, 537 139, 773	8, 091 15, 981 8, 448 136, 840	9, 771 14, 700 8, 851 129, 643	9, 122 15, 957 8, 632 124, 238	11,500 14,689 12,082 117,622	17, 723 10, 857 16, 837 109, 835	21, 377 12, 858 21, 480 115, 313	33, 760 23, 068 39, 158 121, 666	32, 259 15, 920 31, 595 140, 508	22, 271 10, 066 24, 178 155, 184
Cast-iron fittings: Production short tons Shipments short tons.		4, 059 4, 779	4, 165 4, 508	4, 976 5, 088	5, 603 5, 379	5, 763 5, 665	6, 288 5, 897	6, 446 6, 758	6, 506 5, 358	7, 188 7, 222	9, 122 9, 995	7, 684 8, 804	8, 587 8, 596
Malleable fittings: Productionshort tons_		2, 114	2, 365	2, 471	3, 075 2, 995	3, 290 3, 242	3, 379 3, 432	3, 236 3, 533	3, 209 2, 603	3, 322 3, 108	4, 061 4, 041	3, 382	3, 806 3, 615
Shipments short tons. Radiators: New orders thous, sq. ft. heating surface.	1	2, 330 6, 606	2, 489 6, 428	2, 784 4, 863	4, 330	4, 451	4, 483	6, 267	7, 471	9, 089	11, 220	3, 563 11, 350	8, 933
Production_thous. sq. ft. heating surface_ Shipments_thous. sq. ft. heating surface_ Stocks, end of monththous. sq. ft. heating surface_	4, 572 7, 960	4, 194 6, 834 47, 414	5, 025 5, 759 50, 183	5, 164 5, 003 50, 953	5, 957 4, 293 50, 632	6, 781 4, 013 48, 978	6, 801 4, 410 45, 969	6, 961 6, 091 43, 613	4, 097 6, 866 38, 702	4, 791 9, 118 41, 420	5, 852 12, 390 45, 626	4, 643 10, 347 51, 964	5, 366 9, 520 57, 560
Steel-Crude	","	,	,	0.0,	,	.,				-,			,
Prices, wholesale:							!					,	
Composite, finished steel dolls, per 100 lbs	2. 19	2. 20	2. 19	2. 21	2. 22	2, 23	2, 22	2. 22	2. 19	2. 20	2. 22	2. 24	2. 26
Iron and steel composite dolls. per long ton Steel billets, Bessemer	31.05	31. 05	31.02	31.39	31. 61	31.66	31, 65	31.70	31. 76	31.95	32, 31	32. 67	33. 01
(Pittsburgh)dolls. per long ton_ Steel billets, Bessemer (Pitts-	29. 00	29.00	29, 00	29. 50	30, 00	30.00	30.00	30.00	30. 60	31.00	31.00	31.00	31.00
burgh) rel. to 1926. Structural-steel beams (Pitts-	1	82.9	82. 9	84.3	85. 7	85.7	85. 7	85.7	87.4		88.6	88.6	88.6
burgh) dolls, per 100 lbs. Structural-steel beams (Pitts- burgh) rel. to 1926.	1.60	1. 65 84. 3	1. 65 84. 3	1. 65 84. 3	1, 65 84, 3	1. 65 84. 3	1. 65 84. 3		1.60 81.7	1	1	1. 60 81. 7	1. 65 84. 3
Sheets, black, blue, galvanized, and full finished: New ordersnet tons		144, 461	163, 599	148, 612	191, 987	236, 310	168, 564	180, 863	233, 289	135, 682	158, 700	214, 454	148, 969
Production— Per cent of capacityper cent_	34. 9	46. 3	40.3	56. 6	58. 2	61. 1	57. 2	45. 1	39.8	43.6	50.6	48.8	48.6
Total net tons. Shipments net tons.	. 123, 752	174, 890 178, 460	147, 843 156, 160	201, 846 191, 942	213, 608 211, 118	224, 322 208, 207	192, 218 179, 138	167, 865 170, 379	145, 125 144, 040		193, 934 193, 516	179, 928 186, 639	173, 956 205, 774
Stocks, end of month— Unsoldnet tons. Totalnet tons. Unfilled orders, end of monthnet tons.	149, 533	77, 953 160, 959 203, 358	75, 618 168, 013 304, 107	82, 532 169, 444 296, 731	85, 415 176, 846 325, 169	89, 334 189, 915 383, 280	92, 047 181, 614 343, 439	87, 496 180, 285 360, 479	83, 629 184, 590 378, 601	184, 586	91, 024 189, 213 319, 518	88, 363 185, 791 388, 599	82, 315 182, 240 373, 148
Steel castings: New orders— Total short tons Miscellaneous short tons	. 21, 168	2 19, 248	26, 136 18, 539	39, 052 27, 746	46, 039 29, 844	48, 184 37, 172	40, 320 31, 184	32, 092	49, 387 30, 131	31, 628	32, 344	49, 542 38, 394	35, 085
Railroad specialtiesshort tons Per cent of capacityper cent Production— Totalshort tons	30, 920	13, 621 2 23 31, 751	7, 597 18 35, 018		16, 195 32 48, 282	11, 012 33 56, 755	28 49, 548	32 46, 264	46, 290	33 44, 290	59, 522	61, 919	35 64, 303
Miscellaneous short tons Railroad specialties short tons. Per cent of capacity per cent. Steel ingots production	22, 263 8, 657 21	23, 339 8, 412 22	25, 608 9, 410 24	31, 083 12, 071 30	35, 439 12, 843 33	42, 544 14, 211 39	35, 638 13, 910 34	35, 351 10, 943 32	32, 093 14, 197 32	32, 445 11, 845 31	15, 682 41	17, 823 43	45
Canada thous. of long tons. United States, total thous. of long tons. United States, total rel. to 1923-25. Per cent of capacity per cent.	_ 49.7	45 ² 1, 886 ² 54. 6 34	2, 076 60. 1 38	72. 5	2, 722 78. 7 49	99 2, 994 86. 6 54	72.4	2, 459 71, 1	57.3	2, 212 64. 0	2, 693 77. 9	2, 840 82. 2	88. 5
U. S. Steel Corporation: Earningsthous, of dolls. Unfilled orders, end of	-	.	4, 499	4, 183	5, 136	7, 191	6, 156	6, 118	4, 191	7,949	10, 943	11, 515	13,000
monththous, of long tons_ Unfilled orders, end of	3, 169		3, 479		3, 898	1		1	1	1	1	1	
monthrel. to 1923-25.	. 66. 4	71.3	72.9	75.8	81.6	83.7	83.0	86.5	∥ 82. €	76.2	72.9	71.7	75. 0

Earlier data for items shown here may			······	19	31						1930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
IRON AND STEEL—Continued													
Steel—Manufactured Products													
Furniture, steel: Business group— New orders——thous, of dolls—	1,010	1,092	1, 272	1,306	1, 424	1, 487	1, 478	1,840	1, 591	1, 587	1, 833	1,796	1,725
Shipmentsthous. of dolls_ Unfilled orders, end of	1,056	1,074	1, 221	1, 305	1, 481	1, 522	1, 563	1,768	1, 774	1, 632	1, 902	1,854	1,928
monththous. of dolls_ Shelving— New ordersthous. of dolls_	919 307	966 328	948 452	897 506	896 408	952 455	986 401	1, 072 418	999 283	1, 182	1, 227 587	1, 297 553	1, 355 579
Shipmentsthous, of dolls Unfilled orders, end of	358	371	449	409	423	481	382	422	515	503	645	542	604
monththous. of dolls_ Iron, steel, and heavy hardware, salesrel. to Jan., 1921	390	441	483 124	480 129	383 134	398 123	104	110	409 123	139	676 175	734 165	723 161
Iron and steel: Exportslong tons	73, 338	84, 466	75, 585	91, 407	101, 081	109, 512	91, 212	92, 745	101, 988	111, 968	131, 850	131, 211	151, 235
Importslong tons	20, 995	27,436	29, 365 122	28, 107 172	38, 702 179	31, 044 177	20, 513 163	31, 706 140	24, 338 115	34, 572 119	29, 730 153	29, 793 160	27, 408 173
Productionbarrels_ Per cent of capacityper cent_	449, 590 31. 6	² 580, 565 ² 40. 7	552, 955 338. 9	610, 788 43. 1	591, 399 41. 9	550, 583 39. 9	450, 134 33. 1	421, 814 32. 6	412, 283 30. 3	497, 539 36. 5	616, 121 44. 1	564, 927 40. 3	553, 842 39. 6
Shipments barrels Stocks, end of month barrels Unfilled orders, end of	455, 502 38, 692	² 581, 450 ² 44, 604	549, 781 45, 489	618, 801 42, 315	600, 566 50, 328	554, 332 59, 495	449, 485 63, 244	427, 622 62, 595	406, 327 68, 403	500, 409 62, 447	619, 558 65, 317	565, 204 68, 754	552, 265 69, 031
month thous. of barrels. Steel bars, cold finished, shipments short tons. Steel boilers, new orders:	1,030	² 939	1, 078 16, 360	1, 053 22, 768	1, 195 25, 141	1, 253 25, 011	1, 392 21, 727	1, 424 21, 943	1, 437 15, 747	929 15, 456	986 20, 521	1, 011 19, 338	1, 114 19, 086
Areathous. of sq. ft Quantitynumber Steel plate, fabricated, new orders:	595 827	687 816	677 818	603 658	825 689	665 630	622 516	577 598	587 814	709 777	851 1, 189	1, 282 1, 254	1, 357 1, 371
Totalshort tons_ Oil storage tanksshort tons_ Structural steel, fabricated: New orders—	23, 858 1, 138	² 27, 261 4, 136	22, 806 4, 679	26, 210 2, 411	29, 916 7, 749	31, 056 2, 538	24, 438 3, 585	27, 518 2, 598	26, 787 5, 118	33, 151 9, 965	30, 197 4, 518	41, 066 14, 916	36. 513 10, 056
Computed totalshort tons_ Per cent of capacityper cent	124, 400 31. 1	159, 200 39. 8	177, 200 44. 3	152, 800 38. 2	292, 800 73. 2	184, 400 46. 1	158, 400 39. 6	162, 400 40. 6	152, 800 38. 2	151, 200 37. 8	209, 200 52. 3	155, 600 38. 9	252, 000 63. 0
Shipments— Computed totalshort tons— Per cent of capacityper cent. Track work, productionshort tons—	168, 800 42. 2 3, 924	181, 600 ² 45. 4 4, 409	162, 400 40. 6 5, 705	148, 000 37. 0 7, 453	158, 400 39. 6 8, 564	151, 200 37. 8 8, 944	166, 400 41. 6 6, 321	172, 000 43. 0 5, 626	168, 400 42. 1 5, 174	195, 200 48. 8 4, 212	239, 200 59. 8 5, 192	243, 200 60. 8 5, 642	262, 400 65. 6 6, 812
Enameled Ware Baths:													
New orders	33, 601 36, 544 136, 922	46, 704 47, 922 138, 759	43, 228 43, 584 145, 140	42, 991 45, 512 152, 206	40, 111 40, 449 163, 037	33, 196 34, 938 166, 158	28, 041 30, 616 160, 851	56, 494 68, 564 148, 909	52, 254 36, 008 167, 932	30, 813 35, 489 168, 808	43, 750 48, 547 166, 248	41, 799 47, 970 162, 302	48, 449 51, 836 165, 687
monthno. of pieces_ Lavatories: New ordersno. of pieces_	12, 949 41, 859	15, 892 53, 226	17, 110 49, 181	17, 466 51, 395	19, 987 45, 440	20, 325 33, 851	22, 067 30, 883	24, 642 71, 113	36, 712 72, 493	20, 466	25, 142	29, 339 54, 369	36, 110 55, 062
Shipmentsno. of pieces Stocks, end of monthno. of pieces Miscellaneous sanitary ware:	44, 137 185, 667	53, 585 192, 552	50, 575 209, 841	54, 520 218, 067	43, 221 232, 277	36, 642 230, 817	34, 438 212, 395	93, 870 192, 072	48, 023 214, 472	41, 227 47, 078 205, 517	52, 509 58, 273 204, 496	62, 369 185, 515	59, 130 187, 150
New ordersno. of pieces_ Shipmentsno. of pieces_ Stocks, end of monthno. of pieces_ Sinks:	26, 421 27, 749 84, 582	27, 106 29, 082 94, 260	27, 463 26, 453 98, 384	21. 243 24, 490 101, 673	22, 995 21, 719 107, 917	18, 641 18, 811 109, 508	15, 781 17, 768 107, 439	29, 785 33, 527 106, 152	25, 092 19, 680 112, 460	21, 453 22, 065 108, 795	27, 840 29, 142 106, 858	28, 449 31, 485 100, 585	28, 365 29, 807 101, 920
New orders	40, 707 43, 067 230, 630	51, 341 52, 963 245, 354	49, 928 51, 676 255, 269	54, 693 56, 845 260, 426	52, 771 49, 443 273, 154	41, 532 41, 787 267, 828	35, 873 39, 211 259, 442	63, 074 80, 095 244, 880	61, 567 43, 968 261, 800	44, 897 51, 027 253, 374	58, 504 61, 486 246, 632	57, 606 64, 044 243, 845	55, 785 62, 454 254, 426
Unfilled orders, end of monthno. of pieces	39,714	45, 680	49, 637	51, 769	60, 293	53, 470	56, 686	65, 566	109, 086	61, 605	74, 198	84, 246	101, 720
Shipbuilding Rate of activity (elec. energy													
consumed) rel. to 1923-25_ Building or under contract, end of month— Merchant vesselsthous. of gross tons_	85. 6	82. 0 326	84. 8 359	89. 7 370	92. 5 397	98. 3	114. 8 412	113. 9 421	99. 0 344	105. 5 359	121. 5 366	124. 1 423	122. 8 489
Completed during month— Total gross tons Steel, seagoing gross tons	11, 554 7, 150	30, 471 25, 363	22, 647 16, 964	34, 527 28, 613	13, 766 4, 985	17, 443 13, 976	25, 622 9, 703	29, 413 21, 045	25, 971 18, 391	53, 551	51, 667	32, 083	75, 030 33, 302
Machinery	7,130	20,000	10, 301	28, 013	1, 500	15, 570	9, 103	21,040	10, 551	39, 830	16, 895	20, 125	30,002
Electric hoists: New orders— Quantityno. of hoists	203	192	220	293	276	261	205	335	231	267	259	274	283
Valuedollars_ Shipmentsdollars_	88, 526 73, 163	90, 964 142, 143	109, 245 122, 189	142, 962 115, 809	125, 550 101, 746	117, 216 134, 995	113, 862 112, 363	133, 295 132, 157	126, 592 106, 459	122, 136 115, 849	141, 615 137, 608	149, 861 140, 598	124, 737 145, 979
Electric overhead cranes: New ordersthous. of dolls Shipmentsthous. of dolls	91 345	160 435	261 410	307 310	274 416	671 261	268 530	423 496	302 671	370 587	353 677	614 942	522 729
Unfilled orders, end of monththous. of dolls	736	990	1, 264	1, 413	1, 420	1, 552	1, 207	1, 407	1, 517	1, 864	1, 948	2, 124	2, 527
Foundry equipment: New ordersrel. to 1922-24 Shipmentsrel. to 1922-24	16. 9 37. 4	38. 7 55. 7	40. 9 90. 4	54. 1 118. 6	57. 7 69. 7	174. 4 72. 9	54. 7 55. 4	65. 3 54. 7	59. 8 102. 6	45. 3 76. 5	50. 0 62. 0	91. 0 66. 0	85. 2 82. 6
Unfilled orders, end of month rel. to 1922-24 Machine tools:	32. 1	51.8	70. 1	123. 8	180. 1	314. 6	93. 5	94. 6	82. 3	124. 9	159. 1	170. 8	140. 2
New ordersrel. to 1922-24 Shipmentsrel. to 1922-24	72 96	62 72	74 95	87 96	105 91	118 92	84 73	67 75	69 85	60 67	90 103	136 96	114 120
Unfilled orders, end of monthrel. to 1922-24 Oil burners:	182	202	212	232	238	225	204	179	203	230	238	268	223
New ordersno. of burnersshipmentsno. of burnersstocks, end of monthno. of burnersunfilled orders, end of	10, 621 10, 035 10, 155	8, 010 7, 491 10, 113	6, 046 6, 044 9, 193	5, 132 5, 562 8, 553	5, 528 5, 248 10, 036	4, 836 4, 406 8, 603	3, 699 3, 531 8, 603	3, 842 4, 046 8, 572	5, 026 5, 025 8, 604	6, 861 7, 855 8, 319	18, 152 18, 580 8, 677	16, 457 17, 036 10, 304	11, 581 11, 354 10, 940
month	2, 076	1, 490	971	969	1, 399	1, 119	689	521	725	724	1, 718	2, 146	2, 725
201204													

² Revised.

English data for items about her man				19	931						1930		
Earlier data for items shown her may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
IRON AND STEEL—Continued Machinery—Continued													
Patents granted: Agricultural implementsnumber. Internal-combustion enginesnumber. Total, all classesnumber. Pulverized-fuel equipment:	54 69 4, 088	55 60 3, 962	79 67 5, 270	60 58 4, 270	67 68 4, 167	67 68 4,789	44 76 3, 715	41 58 3, 215	58 67 4, 251	52 54 3, 023	41 49 2, 871	43 35 2,871	27 30 2, 423
New orders, central system— Furnaces and kilns_no. of pulverizers Water-tube boilers_no. of pulverizers		0	0	0	0 2	0 2	2 1	0 2	0	0	0	2 0	1 0
New orders, unit system— Fire-tube boilersno. of pulverizers Furnaces and kilns.no. of pulverizers Water-tube boilers.no. of pulverizers Pumps:		5 1 11	4 3 14	3 1 0	1 1 9	2 2 13	3 0 2	6 0 8	0 3 3	5 2 15	0 2 10	6 3 24	3 3 4
Domestic shipments— Pitcher, hand, and wind- mill————no. of units— Power, horizontal type—no. of units—	22, 379 2, 197	24, 579 2, 312	26, 330 2, 229	22, 417 2, 135	24, 255 2, 145	² 25, 181 ² 1, 772	32, 902 1, 657	24, 873 1, 564	23, 056 1, 325	21, 562 1, 238	26, 917 1, 992	36, 834 1, 881	38, 902 2, 378
Steam, power, and centrifugal— New orders———thous. of dolls— Shipments———thous. of dolls— Unfilled orders, end of	775 800	874 944	875 1,028	921 1,037	1, 075 918	950 1,036	765 873	773 718	1, 047 1, 205	967 1, 116	1, 027 1, 167	1, 212 1, 183	1, 362 1, 367
monththous, of dolls Stokers, mechanical, sales:	2, 450 31, 171	2, 441	2, 471	2,605	2,762	2,616	2,717	2, 826 25, 902	2,812	2, 975 21, 103	3, 124 38, 276	3, 267 42, 899	3, 259 29, 988
Power horsepower Quantity number Water-softening apparatus, shipments no. of units	132 429	20, 735 101 525	29, 889 111 567	23, 646 80 605	18, 723 65 692	17, 993 63 756	13, 849 66 591	85 664	11, 726 53 566	647	92 655	128 684	683 9, 220
Water-systems, shipmentsno. of units_ Wood-working machinery: Cancellationsthous. of dolls_ New ordersthous. of dolls_	7,850 6 447 572	7, 640 16 533	8, 694 46 503	9, 090 21 487	7, 638 10 484	6, 105 16 527	5, 434 13 474	6,010 9 486	5, 177 21 470	6, 401 16 459	7, 522 17 605	8, 202 17 648	12 498 606
Shipments thous, of dolls Shipments no. of machines Unfilled orders, end of month thous, of dolls	513 356	448 421 534	463 391 479	513 393 516	451 356 518	545 400 479	491 421 502	383 400 557	500 529 467	506 442 520	564 441 636	516 488 588	694 470
NONFERROUS METALS AND PROD- UCTS													
Prices, wholesale, metal and metal productsrel. to 1926	87. 1	87.5	87.4	87.8	88. 7	89. 0	88. 9	89.3	90.0	90. 2	90. 4	91.8	92. 7 96
Bd.) rel. to 1923-25 Production index (elec. energy consumed) rel. to 1923-25 Stocks, end of month rel. to 1923-25	73. 3 203. 3	65 69. 3 2 203. 3	78. 6 213, 7	94. 0 219. 3	94. 6 220. 4	77 103. 5 219. 9	79 112, 3 224, 4	95. 0 227. 4	97. 8 228, 1	89. 6 231. 1	95 87. 0 234. 1	97 97. 4 223. 3	95. 2 213. 4
Stocks, raw materials, end of month rel. to 1923-25	146.8	2 137. 7	127. 7	122. 4	126. 9	144. 8	130. 7	130. 9	129. 6	139.8	134. 1	137. 0	137, 2
Raw Materials Babbitt metal consumption:													
Direct by producers thous of lbs— Sale to consumers thous of lbs— Total apparent thous of lbs— Copper:	1, 377 1, 781	511 1, 420 1, 932	702 1, 605 2, 307	731 1, 678 2, 409	716 1, 844 2, 560	832 1, 829 2, 661	687 1, 820 2, 507	766 2, 090 2, 856	647 1, 459 2, 107	791 1, 904 2, 695	1, 033 2, 069 3, 101	1, 042 1, 850 2, 892	954 1, 964 2, 918
Exportsshort tons_ Domestic shipments, refined_short tons_ Price, wholesale, electrolytic	19, 271 45, 816	22, 381 43, 144 . 0770	23, 244 50, 217	22, 951 45, 265 . 0867	24, 179 54, 567	31, 536 74, 685	28, 947 60, 636 . 0972	42, 192 60, 209 . 0984	32, 208 69, 854 . 1030	37, 773 62, 693	30, 715 75, 703	30, 478 65, 169	33, 141 56, 810 . 1069
(N. Y.) dolls. per lb Production— Index (Fed. Res. Bd.) rel. to 1923-25 Mines	59 38, 925	59 2 38, 228	67 44, 473	68 45, 580	69 46, 452	70 48, 702	76 47, 504	72 48, 059	76 48, 726	83 53, 141	83 55, 954	89 56, 584	84 56, 136
Refined (N. and S. America) short tons. Smelters short tons. Stocks (N. and S. America),	90, 190 47, 246	96, 408 46, 503	98, 275 51, 652	102, 695 53, 734	100, 501 52, 085	102, 058 57, 922	99, 853 55, 22 9	102, 458 53, 429	106, 366 60, 022		118, 229 70, 419	116, 004 68, 487	120, 778 66, 698
end of month— Blister	455, 775 402. 6	² 179, 658 440, 417 389, 1 121, 260	187, 353 413, 474 365, 3 126, 722	190, 578 398, 667 352, 2 130, 486	193, 876 367, 921 325, 0 1 2 8, 877	198, 811 354, 295 312, 9 136, 958	203, 224 363, 629 321, 2 128, 685	210, 637 363, 827 321, 4 129, 390	218, 799 367, 175 324, 4 136, 252	223, 280 369, 832 326, 7 143, 214	240, 145 364, 930 322. 4 157, 344	235, 464 360, 650 318, 6 156, 705	234, 135 347, 688 307, 1 154, 743
Ore shipments— Joplin district————short tons— Utah————short tons— Production, refined———short tons— Production (Fed. Res.	27, 711 30, 249	2, 290 31, 577 32, 157	1, 432 28, 806 30, 708	1, 881 41, 576 39, 519	1, 995 34, 816 35, 498	3, 762 35, 498 41, 775	2, 508 46, 902 39, 464	2. 721 55, 331 43, 405	2, 896 48, 705 48, 517	3, 963 48, 400 43, 423	3, 361 63, 584 50, 402	2, 746 52, 907 48, 491	3, 673 60, 978 52, 980
Bd.)rel. to 1923-25 Price, pig, desilverized (New York)dolls_per lb	. 0440	.0440	0392	.0382	.0441	.0453	. 0455	.0480	.0510	.0510	.0515	. 0550	. 0549 45, 542
Receipts in United States, ore.short tons Tin: Deliveries (consumption)long tons Imports (bars, blocks, etc.)long tons	5, 270 5, 249	30, 136 5, 100 5, 587	32, 551 5, 185 4, 698	35, 677 5, 505 5, 483	34, 694 6, 630 6, 126	37, 878 6, 120 6, 986	35, 512 5, 100 5, 903	42, 110 7, 210 8, 113	7, 495 6, 659	38, 820 6, 270 6, 470	46, 237 7, 580 5, 929	48, 354 7, 250 5, 523	5, 695 5, 979
Price, wholesale, Straits (New York) dolls. per lb Price, wholesale, Straits (New	. 2575	. 2502	. 2341	. 2320	. 2512	. 2707	. 2631	. 2610	. 2527	. 2589	. 2686	. 2964	. 3002
York)rel. to 1926 Stocks, end of month— United Stateslong tons	39. 4 6, 213	5, 833	35. 8 5, 633	35. 5 5, 698	38. 5 6, 212	41. 5 7, 917	40. 3 5, 862	40.0	38. 7 4, 693	39. 6 5, 372	41. 1 4, 823	45. 4 6, 323 40, 150	46. 0 7, 533 43, 805
World visible supplylong tons Zinc: Ore, Joplin district— Shipmentsshort tons	50, 987	51, 707 12, 059	51, 626 14, 395	51, 231 22, 470	48, 462 27, 261	48, 607 17, 163	49, 339 25, 389	43, 619 25, 987	42, 498 31, 056	40, 811 39, 478	39, 676 33, 474	40, 150 32, 122	37, 994
Stocks, mines, end of month short tons. Price, slab, prime western (St.		76, 566	70, 935	65, 480	61, 110	63, 001	58, 534	56, 013	47,000	49, 441	45, 689	41, 663	38, 565
Louis)dolls. per lb_ Price, slab, prime western (St.	1	. 0389	. 0342	.0331	. 0372	. 0400	.0401	. 0404	.0410	. 0427	. 0406	. 0427	. 0436
Productionshort tons. Retorts in operation, end of month	1	53. 0 21, 365	46. 6 23, 483	45. 1 25, 688	50. 7 29, 137	54. 5 32, 328	54. 6 29, 562	55. 0 32, 522	55. 9 32, 733	58. 2 32, 097	55. 3 40, 922	58. 2 40, 470	59. 4 41, 012
Stocks, end of month short tons	21, 705 129, 701	21, 666 131, 833	21, 422 138, 928	23, 024 143, 049	29, 072 143, 212	34, 221 141, 493	35, 518 144, 389	35, 635 145, 076	33, 640 143, 618	37, 492 145, 139	41, 004 143, 327	44, 974 134, 835	50, 404 126, 835

Earlier data for items shown here may				19	31		, <u> </u>				1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
NONFERBOUS METALS AND PROD- UCTS—Continued													
Manufactured Products					!								
Electrical equipment: Delinquent accounts, electrical trade. (See under Distribution movement.)										ļ			
Electric furnaces, new orderskilowatts	3, 975	1, 956	1,732	2, 680	1, 791	2, 046	2, 358	4, 599	1, 489	2, 202	3, 317	2,866	5, 012
Electric goods, new orders (quarterly)thous, of dolls_ Electrical porcelain, shipments—			³ 225, 457			³ 182, 486			208, 936			3 228, 733	
Glazed nail knobsthous, of pieces	1,643	1,842	1, 263	2, 061	2, 144	1,458	2, 523	2, 253	2, 007	1,834	2, 014	2, 453	2, 218
Special dollars Standard dollars Tubes thous of pieces	74, 183 38, 303	66, 906 33, 042	77, 194 41, 331	78, 983 57, 462	76, 313 52, 009	78, 716 52, 599	86, 471 64, 823	86, 976 87, 794	91, 564 51, 016	93, 677 47, 994	131, 815 73, 659	99, 576 65, 581	111, 029 69, 656
Unglazed nail knobs_thous, of pieces	971 901	516 562	592 929	1, 309 2, 323	890 1, 281	783 1, 224	1, 125 1, 386	875 1, 752	522 1, 159	801 1, 164	1, 156 1, 615	334 1, 222	1, 146 1, 605
Industrial reflectors, sales		61, 794	66, 188	67, 256	72, 003	69, 484	68, 285	65, 501	76, 659	115, 736	113, 316	125, 786	127, 608
shipmentsthous, of dolls. Manufactured mica—	1	623	637	711	633	689	630	605	551	674	1,023	854	789
Shipments thous. of dolls. Unfilled orders, end of month	i	81	92	128	135	142	137	133	101	132	150	141	122
Motors (direct current)—	i	100	97	119	138	110	141	105	104	90	104	107	109
Billings (shipments)dollars_ New ordersdollars_		360, 444 377, 129	450, 165 402, 130	455, 325 440, 476	473, 767 536, 272	445, 833 396, 958	418, 228 450, 204	393, 558 680, 251	500, 165 617, 454	433, 530 457, 518	621, 114	596, 670 820, 444	708, 095 719, 846
Nonmetallic conduits, ship- mentsthous. of feet		2,777	2, 447	4, 091	5, 112	3, 508	3, 667	3, 997	2, 417	3, 713	4,067	4, 235	3, 397
Power cables, shipmentsthous, of feet		890	1, 106	1,303	1,619	1,630	1, 326	1, 139	1,678	1,824	1, 957	2, 108	2, 260
Indoordollars_ Outdoordollars_		47, 041 360, 325	52, 697 240, 081	73, 567 208, 713	111, 875 216, 145	75, 303 269, 425	64, 736 201, 344	76, 052 228, 862	77, 248 178, 160	69, 202 219, 232	84, 160 342, 771	118, 431 298, 354	121, 930 319, 668
Vulcanized fiber— Consumption————thous. of lbs. Shipments, total——thous. of dolls.	1	1,783	1,624	1,541	1, 475	1, 975	1,652	1, 369	1, 421	1, 513	1,824	1,945	1,828
Welding sets, new orders—		344	402	419	432	484	426	385	318	359	465	497	430
Multiple operations units Single operation units			134	0 165	8 169	11 177	136	23 155	13 152	153	200	194	8 221
Miscellaneous products: Brass sheetsrel. to 1926.	80.9	82. 5	82.8	86.8	90.4	91.4	89.7	90.7	93. 6	92.7	88.9	92. 5	94. 0
Copper-wire cloth— New ordersthous, of sq. ft	326	328	275	275	299	357	309	404	337	269	363	299	336
Make and hold orders, end of monththous. of sq. ft	504	546	560	514	554	557	530	574	539	530	606	533	516
Production thous. of sq. ft_Shipments thous. of sq. ft_	330 330	302 324	253 274	256 277	340 297	330 . 308	297 304	332 311	344 309	310 303	38 5 356	384 317	387 353
Stocks, end of month thous. of sq. ft Unfilled orders, end	889	898	934	1,073	1,096	1, 079	1,083	1, 097	1, 145	1, 176	1, 160	1, 173	1, 117
of monththous. of sq. ft Enameled sheet-metal ware,	134	158	145	302	174	186	211	217	165	166	199	241	264
shipments dozen pieces. Pails and tubs, galvanized—		246, 858	232, 672	264, 953	281, 339	312, 916	289, 205	267, 232	250, 568	263, 365	329, 337	297, 622	309, 645
D destination doesn misses	·	103, 345 114, 134	92, 460 90, 747	121, 413 122, 072	143, 258 140, 080	147, 278 144, 052	132, 781 120, 723	103, 677 138, 538	87, 140 68, 898	60, 798 68, 330	130, 906 115, 185	103, 177 116, 875	103, 050 103, 354
Shipments dozen pieces Other galvanized ware— Production dozen pieces		26, 970	26, 304	28, 390	34, 929	31, 542	34, 347	23, 716	21, 657	16, 061	40, 084	38, 218	46, 730
Productiondozen piecesdozen pieces		27, 334	28, 724	34, 188	42, 287	29, 579	28, 142	25, 958	15, 915	21, 296	41, 126	46, 310	43, 827
PAPER	}			4.00 =									
New orders rel. to 1923-25. Production index (Fed. Res.		1	90.7	2 102.7	2 101. 3	2 99. 3	96.7	97. 2	85.8	93. 2	106.0	100.5	102. 2
Bd.) rel. to 1923-25. Production index (elect. energy consumed)		109	108	113	110	110	2 110	² 106	2 98	103	107	109	109
(paper and pulp)rel. to 1923-25_ Stocks, end of monthrel. to 1923-25_	121. 7	104. 0 128. 9	112. 4 129. 7	135. 1 126. 1	109. 6 131. 2	123. 0 123. 4	127. 0 128. 6	111.8 125.9	117. 0 122. 6	112.3 121.7	120. 0 127. 4	119.3 118.1	115. 1 117. 4
Wood Pulp	ļ		ł	l	•		ì						
Ground wood: Consumption and shipments_short tons_		111, 463	² 118, 371	118, 157	116, 914	111, 165	96, 823	108, 349	109, 740	110, 502	121, 335	109, 860	116, 886
Imports short tons Production short tons Stocke and of month		17, 725 102, 197	13, 512 2123, 103	12, 851 136, 858	23, 136 136, 438	14, 652 116, 311	15, 656 95, 937	14, 394 107, 208	27, 024 110, 578	21, 776 102, 957	31, 305 96, 465	29, 502 92, 872	21, 261 97, 895
Stocks, end of monthshort tons Soda: Consumption and shipmentsshort tons		23, 502	2 115, 235 2 23, 572	111, 832 25, 960	93, 131	73, 606	68, 460	69, 346	75, 498	74,660	82, 205	107, 075	124, 063
Production short tons Stocks, end of month short tons		24, 362 4, 502	2 24, 834 2 4, 660	25, 960 27, 230 4, 480	27, 412 28, 102 4, 414	27, 660 29, 304 4, 998	27, 884	28, 512 29, 102	27, 128 28, 560	28, 346 28, 966	28, 954 30, 684	28, 638 30, 052	28, 868 29, 962
Sulphite, unbleached: Consumption and shipments_short tons_	1	17, 544	16, 790	19, 020	21, 178	18, 882	4, 624 20, 554	4, 366 20, 194	5, 118 18, 272	4, 936 18, 238	5, 642 22, 316	5, 248 18, 938	5, 160 19, 122
Importsshort tons	49, 300 2. 15	52, 061	52, 745 2. 15	34, 483	30, 724 2. 15	34, 289	50, 271 2. 48	87, 600 2. 48	63, 870 2. 48	76, 850 2. 48	52, 286 2. 48	52, 426 2. 48	60, 198 2, 48
Production short tons Stocks, end of month short tons		17, 924 5, 578	19, 092 5, 500	19, 494 4, 256	21, 076 3, 936	18, 878 4, 316	19, 384 4, 320	20, 354 5, 490	17, 860 5, 474	18, 532 5, 886	22, 166 5, 592	18, 888 5, 742	19, 608 5, 792
Sulphite, bleached: Consumption and shipments_short tons_	Į	35, 448	38, 080	37, 440	37, 272	40, 544	43, 090	41, 616	38, 844	40, 634	48, 118	49, 050	48, 094
Imports short tons Production short tons	29, 510	23, 109 35, 262	29, 558 39, 048	28, 614 38, 262	30, 511 36, 092	32, 863 40, 600	25, 592 40, 462	36, 095 41, 402	30, 322 38, 698	30, 595 40, 938	30, 484 47, 790	30, 567 49, 830	26, 880 48, 340
Stocks, end of monthshort tons_		5, 800	5, 986	5, 018	4, 196	5, 376	5, 320	7, 948	9, 206	9, 352	9, 048	9, 376	8, 596
Consumption and shipments_short tons_		105, 294 107, 664	111, 282 115, 200	110, 722 110, 840	115, 960	115, 794 115, 022	117, 122	121,774	116,830	120, 780	141, 852	128, 936	131, 454
Production short tons Stocks, end of month short tons Sulphate:	1	j.	21, 558	18, 698	115, 974 18, 734	18, 998	112, 552 19, 770	120, 628 24, 340	117, 158 28, 720	121, 276 28, 392	140, 264 27, 896	129, 242 29, 484	131, 382 29, 178
Consumption and shipments short tons Production short tons.		38, 156 39, 228	39, 828 40, 948	39, 590 41, 870	39, 082 41, 292	34, 014 36, 542	35, 880 38, 104	33, 722 36, 674	33, 190 36, 204	34, 110	41, 446 44, 454	38, 990 42, 378	41, 970 44, 374
Stocks, end of monthshort tons_		6,050	7, 524	9, 076	9, 594	36, 542 10, 152	10, 092	10, 426	10,006	37, 208 9, 494	8, 974	42, 378 8, 966	8, 498
Consumption and shipments_short tons_		1, 078 1, 202	778 774	1, 072 514	844 898	1, 184	1,016	1, 258 1, 190					- <i></i>
Production short tons Stocks, end of month short tons Total che nical (all grades):		326	202	206	764	1, 188 710	1, 098 706	624					
Consumption short tons Production short tons		168, 030	2 175, 460 2 181 756	177, 344	183, 298	178, 652	181, 902		177, 272		212, 388	196, 714	202, 466
Stocks, end of month short tons		34, 504	² 33, 944	180, 454 32, 460	186, 266 33, 506	182, 056 34, 858	181, 176 35, 192	187, 594 39, 756	182, 014 43, 872	187, 572 42, 882	42, 560	201, 800 43, 714	205, 906 42, 880
² Revis	od				8 Qua	rter ende	d in mont	h indicate	vđ.				

² Revised.

${\bf MONTHLY\ BUSINESS\ STATISTICS} \color{red}{--} Continued$

arlier data for items shown here may		,		19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	Augus
PAPER AND PRINTING-Continued			-										
Paper Sox board:						ł							
Consumption of waste paper_short tons_	200, 138	² 213, 686	2 268, 513	227, 125	206, 571	210, 590	191, 331	199, 229	162, 528	190, 502	228, 588	223, 071	215, 8
New ordersshort tons_ Operationthous. of inch hours_	214, 913 7, 681	² 221, 048 ² 8, 114	223, 990 28, 200	236, 173 8, 727	224, 021 7, 903	222, 511 8, 175	198, 296 7, 345	211, 782 7, 520	173, 258 6, 261	200, 199 7, 114	247, 209 8, 391	226, 899 7, 907	221, 8
Operationp. ct. of capacity	65. 9	269.6	270.3	8, 727 77. 8	67.8	70.1	71. 2	64.5	53. 1	65.3	68.5	69.7	68
Production short tons. Shipments short tons.	217, 405	² 222, 927 ² 221, 980	² 224,110 ² 223,328	232, 020 231, 746	23 0, 53 7 22 7, 896	226, 011 224, 023	205, 785 203, 202	211, 691 209, 660	176, 483 175, 170	203, 381 202, 042	253, 889 251, 810	228, 257 228, 439	224, 224,
Stocks, end of monthshort tons_ Stocks of waste paper, end of month—	79, 873	283, 787	82, 840	82, 058	81,784	79, 053	77, 065	74, 482	72, 451	71, 138	69, 799	67, 720	67,
In transit and unshipped			}										
purchasesshort tonsshort tonsshort tons	47, 549 148, 042	² 47, 052 ² 166, 006	50, 558 2 169,570	39, 209 182, 812	25, 026 167, 478	51, 301 167, 846	35, 229 191, 507	34, 510 197, 699	34, 292 201, 597	30, 649 184, 598	34, 910 177, 486	45, 960 165, 499	36, 187,
At millsshort tons	47, 206	249, 698	50, 630	49, 968	45, 541	49, 326	50, 838	55, 744	53, 622	55, 534	57, 377	61, 978	63,
Vewsprint: Consumption by publishers,							[
U. Sshort tons_ Exports, Canadashort tons_	146, 249 160, 175	157, 119 157, 205	161, 265 189, 739	179, 836 185, 432	174, 325 152, 360	179, 340 200, 545	150, 403 144, 236	160, 660 153, 362	166, 645 225, 495	184, 615 173, 149	183, 388 200, 776	163, 895 194, 820	157, 170,
Imports, United Statesshort tons	157, 037	173, 457	188, 919	192, 688	175, 242	169, 345	148, 388	172, 110	194, 144	195, 953	209, 944	175, 996	169,
Price, roll, f. o. b. milldolls. per cwt Production—						3. 10	3. 10	3. 10	3. 25	3.25	3. 25	3. 25	3
Canada short tons. United States, total short tons.	165, 124	182, 731	193, 971	202, 607	205, 838	187, 005	164, 552	182, 657	184, 755	201, 703	213, 817	195, 490	202, 101,
Per cent of capacityper cent.	: 59	99, 548	101, 086	101, 202 69	102, 450 70	100, 590	88, 788 65	101, 990 69	99, 276 69	92, 237 68	105, 450 72	95, 261 70	101,
Shipments—Canada—short tons—	162 303	175, 350	194, 144	202, 280	205, 752	187, 730	162, 350	180, 027	188, 845	213, 673	221, 748	193, 835	197,
United States short tons Stocks, end of month—	89, 047	97, 225	100, 087	102, 555	101, 819	101, 044	90, 901	100, 440	99, 062	93, 631	102, 808	96, 048	99,
		Į.	1							ļ			
Canada short tons United States short tons At publishers, U. S short tons	49, 128	47, 288 33, 616	39, 832 33, 906	39, 962	39, 754	39,850	42, 259 33, 627	38, 768	36, 777 32, 061	40, 372	52, 547 33, 318	62, 495 30, 879	59, 30,
At publishers, U. Sshort tons_	202, 121	203, 944	189, 990	32, 956 178, 333	34, 289 185, 560	32, 254 190, 728	211, 142	32, 903 217, 889	217, 651	31, 818 198, 151	211, 716	215, 685	227,
In transit to publishers, U. Sshort tons		34, 566	39, 041	44, 859	45, 352	44,011	39, 486	39,022	38, 821	50, 539	41,017	41,970	38,
other paper:			33,011	41,000	1							l '	1
Binders' board, productionshort tons	1	1			1,809	1,401	1, 543	1,515	1,477	1,317	1,894	1,342	1,
Production		106, 015 71	2 113,022 77	117, 609 78	117, 374 79	117, 964	114, 306	125, 335 79	100, 188 75	93, 897 73	103, 525 74	102, 602 81	105,
Shipmentsshort tons_		107, 075	111, 327	113, 140	118, 782	80 119, 026	85 117, 849	127, 466	101,090	93, 428	106,838	100, 345	106,
Stocks, end of monthshort tons New orders—		89, 984	2 90, 985	92, 464	87, 395	89, 088	90, 353	94, 413	114, 302	115, 340	114, 766	118, 315	115,
Coated p. ct. of normal production	53	58	52	70	76	64	76	66	65	63	68	73	
Uncoated p. ct. of normal production— Unfilled orders, end of month—	61	60	65	67	68	74	76	75	69	67	70	69	
Coateddays' production_ Uncoateddays' production_	5 5	6 5	5	7 6	7 6	6	8	6	7 6	7 5	7 5	8 6	}
'ine paper:			1		1		İ					ľ	
Production short tons Per cent of capacity per cent		26, 408 55	29, 364	30, 793	32, 451 67	35, 141 74	32, 534 73	32, 835 66	25, 485 52	29, 085	34, 486 72	31, 608 67	31,
Snipments short tons Stocks, end of month short tons.		27, 728 59, 723	28, 395 62, 725	31,501	33, 100	33,981	32, 339	34, 707	24,873	28, 387	34, 624	29,996	30, 65,
vrapping paper:	I	1	1	61,758	62, 459	62, 905	61, 340	61, 148	68, 310	67, 701	67,009	67, 136	
Productionshort tons_		78, 074 88	² 78, 174 87	78, 377	79, 261	75, 404 85	72, 281	71, 826 82	74, 554 78	76, 628 83	83, 905 84	74, 704	77,
Per cent of capacity per cent Shipments short tons Stocks, end of month short tons		78, 777	2 76, 845	76, 888	80, 371	76, 083	71, 920	71, 970	73, 137	77, 701	84, 744	77, 916	74,
All other grades:		ľ	2 76, 051	78, 107	76, 582	77, 718	78, 404	78, 047	72, 333	70,881	71,916	72, 732	75,
Production short tons.		74, 728 74, 062	² 75, 655 ² 75, 895	² 78, 509 ² 83, 882	80, 983 81, 268	74, 123 74, 186	70, 054 69, 735	78, 378 72, 122	75, 094 71, 717	77, 846	87, 455 88, 985	84, 954 85, 708	81, 83,
Shipments		70, 755	2 69, 174	2 68, 734	71, 545	69, 540	67, 618	65, 594	65, 777	62, 400	62, 903	64, 432	65,
				l 						1			1
Productionshort tons		607, 700	2 621,411	² 638, 510 72	643, 056	629, 233 73	583, 748	622, 055		573, 174	668, 710	617, 386	621,
Per cent of capacityper centshipmentsshort tonsshort	606, 847	2 615,877	2639,712	643, 146	628, 343	585, 946	621, 365	545, 049	573, 538	669, 809	618, 452		
Stocks, end of monthshort tons.		413, 011	2 415,681	2416, 077	414, 054	410, 558	408, 407	406, 587	425, 234	419, 278	419, 711	421, 214	421,
Paper Products											•		1
Paper-board shipping boxes:	1		1		İ				l		ļ		
Operating time— Corrugated———p. et. of normal—	. 80	78	81	84	81	79	78	63	60	70	80	76	
Solid fiberp. ct. of normalp. ct. of normalp. ct. of normalp.	68 77	68 76	71 79	65 79	67 78	62 75	61 74	54 61	58 60	57 67	65 76	65 73	1
Production—		1			1	1	i	1		i	1	1	000
Corrugatedthous. of sq. ft Solid fiberthous. of sq. ft	449, 285 106, 800	402, 031 95, 582	416, 282 99, 754	100, 301	401, 874 102, 609	391, 043 93, 875	382, 305 91, 966	305, 274 77, 921	283, 933 75, 507	347, 876 80, 360	425, 900 92, 488	415, 623 90, 955	388, 85,
Totalthous. of sq. ft	556, 085	497, 613	516, 036	517, 708	504, 483	484, 938	474, 271	383, 195	359, 440	428, 236	518, 388	506, 578	473,
Rope paper sacks, shipments_rel. to 1921-22_		. 65	44	55	60	65	77	84	66	79	87	88	
PRINTING	1		1		ļ		ļ	ļ	ľ				,
Blank forms, new ordersthous. of sets		50, 357	48, 322	55, 266	48,877	52, 887	48, 751	50, 587	69,004	47, 878	78, 707	60, 812	55,
Printing activityrel. to 1923_ Sales books:	·	. 77	84	96	97	98	96	95	95	91	92	93	
New ordersthous, of books_	10, 511	10, 321	10, 514	11, 587	10, 284	11, 204	10, 054	10, 735	9, 455	11, 053	12, 217	11,652	11,
Shipmentsthous. of books_	10, 501	9, 997	10, 382	10, 585	11, 079	10, 669	10, 652	10, 454	10, 893	10, 723	13, 428	12, 363	11,
RUBBER				1							ļ		
Production index (Fed. Res.													
Bd.), auto tires and tubesrel. to 1923-25 Production index (elect. energy		112	126	123	107	98	94	88	73	77	88	84	
consumed)rel. to 1923-25	98. 5	97.4	121.0	122.3	109.0	109.6	112.9	99.0	84.3	86.1	99.0	107. 2	11
Stocks, end of monthrel. to 1923-25.	111.9	2 112. 8	121.0	120.6	118.1	118.4	113.0	107. 4	110.6	115.5	117.9	115.8	12
Crude Rubber				ļ									
Consumption, quarterly:		1	1	1]						
Total long tons	.		3 99, 135			382, 480			3 66, 258			3 78, 441	
For tireslong tons_	1		3 83, 894	1		3 CO + CO	1		3 52, 284			3 64, 353	1

Revised.

³ Quarter ended in month indicated.

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
RUBBER—Continued													
Crude Rubber-Continued	}												
Prices, wholesale, smoked sheets,		0.000	0.000					0.000	0.000	0.000	0.004	0.000	0.100
New York dolls. per lb Stocks, domestic, end of quarter:	ł	ł	0.063	0.064	0.064	0, 077	0.076	0.082	0.089	0.089	0.084	0.080	0.100
Afioat long tons Dealers long tons Manufacturers long tons			\$ 52,658 \$ 43,711			3 49, 471 3 49,613			³ 44, 286 ³ 58, 804			³ 45, 073 ³ 59, 205	
Manufacturers long tons Total, dealers and manufacturers			3 139, 613			3 138,140			³ 129, 575			3 91, 968	
World shipments, plantationlong tons			8 183, 324			3 187,753			3 188,379		 2: -33:-	³ 151, 173	
World shipments, plantationlong tons World stocks, end of month:			62,090	68, 628	63, 395	71, 218	65, 719	65, 714	65, 661	63, 065	71,934	1	73, 509
Afloat long tons Europe long tons		90, 768	86, 867 140, 265	93, 379 143,747	78, 159 142, 520	88, 959 137, 452	86, 469 130, 247	82, 687 127, 553	81, 479 121, 131	80, 236 119, 010	84, 435 118, 873	97, 701 120, 389	82,805 112,798
Producing countries long tons United States long tons World total long tons		43, 364	43,760	41, 176	42,806	45, 782	43, 958	43, 154	36, 118	37, 564	36,046	37,714	42, 910
World total long tons		509, 139	225, 346 496, 238	219, 405 497, 707	224, 211 487,696	215, 523 487, 716	210, 611 471, 285	207, 085 460, 479	201, 000 439, 728	190, 617 427, 427	186, 069 425, 423	169, 815 425, 619	161, 182 399, 695
Reclaimed rubber:	1		1	1 '	i '	1	1			1		3 31, 277	,
Production, quarterly long tons Stocks, end of quarter long tons			3 15, 782			³ 16, 142			3 18, 534			3 17, 989	
Scrap rubber: Consumption by reclaimers,	l			Ì			ļ					<u> </u>	
quarterly long tons Stocks at reclaimers, end of									³ 36, 378			3 39, 071	
quarterlong tons_			8 59, 103		 	³ 57, 198			³ 59, 464			8 66, 363	
Tires and Tubes													
Pneumatic casings: Productionthousands		3,941	4 590	4 540	2.055	2 720	2 100	2,940	2, 251	2, 123	2,866	2, 692	3, 332
Shinmants	1	} ·	4, 538	4, 543	3,955	3,730	3, 188	1 1			,		
Domestic thousands Exports thousands Stocks, end of month thousands		4, 224 125	4, 320 137	4, 197 135	3,804 142	3, 143 155	2, 580 142	2,855 140	2, 550 139	2, 119 148	2, 613 186	3, 360 165	3, 97 6 164
Stocks, end of monththousands_ Solid and cushion tires:		7, 936	8, 358	8, 250	8,025	8, 012	7,629	7, 166	7, 203	7,676	7,842	7,849	8,678
Productionthousands		13	12	11	12	11	11	13	13	13	18	14	16
Shipments— Domestic————thousands—		15	14	14	14	15	12	12	12	13	19	22	22
Exportsthousands_ Stocks, end of monththousands_	l	1 55	1 57	1 61	1 64	69	1 73	1 75	$\frac{1}{76}$	1 76	78	1 82	1 90
Inner tubes:	ì		ı	ĺ	ĺ	1	1	í í		1			
Productionthousands_ Shipments—	ĺ	3, 964	4,286	4, 330	3, 693	3, 560	3, 133	2,898	2,448	2, 144	3, 161	3, 053	3, 837
Domestic thousands Exports thousands		4, 569	4, 228 89	4, 135 89	3, 610 99	2, 922 109	2, 619 101	3, 147 102	2, 634 96	2, 147 84	2, 659 119	3, 525 108	4, 492 118
Stocks, end of monththousands_ Raw material consumed:		7,672	8, 403	8, 439	8, 330	8, 380	7,937	7, 552	7, 999	8, 250	8, 414	8,052	8, 589
Fabries thous, of lbs		15, 140 46, 697	17, 085 51, 280	18, 010 53, 418	15, 244	14, 041	12, 002 36, 651	12, 738 36, 319	8, 358 25, 537	8,418	11, 780 36, 097	10, 917 33, 382	13, 223 40, 736
Miscellaneous Rubber Products		20,001	31, 200	33, 410	45, 016	41, 851	00,001	30, 319	20, 001	26, 253	30,037	30, 352	40, 750
Calendered rubber clothing:													
Net ordersno. coats and sundries	21, 580	17, 932	21, 161	19,380	16,846	19,380	16,361	21,884	12,881	15,493	25,082	39, 364	26, 348
Productionno. coats and sundries_ Mechanical rubber goods, shipments:	27, 080	14, 431	15, 419	18,094	16, 803	19, 220	18, 276	13,059	20, 791	22, 623	41, 291	37,097	44, 952
Belting thous, of dolls. Hose thous, of dolls.		914 1, 436	798 1,650	790 1,857	832 2, 129	889 1, 892	722 1,611	759 1,440	675 1, 337	779 1, 276	954 1, 554	1,045 1,473	1, 248 1, 682
All otherthous. of dolls		1,356	1,431	1,584	1,656	1,631	1,378	1,400	1,326	1,345	1,678	1,565	1,622
Total thous. of dolls. Rubber bands, shipments thous. of lbs.	195	3, 706 246	3, 879 209	4, 231 215	4,617 259	4, 412 231	3, 711 222	3, 599 211	3,338 165	3, 400 165	4, 186 197	4,083 172	4, 552 164
Rubber flooring, shipmentsthous. of sq. ft Rubber and canvas footwear:	595	577	576	569	569	496	366	365	597	432	682	529	559
Tennis— Productionthous. of pairs		836	1,999	2, 142	2, 591	2,609	2,492	2,409	1 975	1, 940	1,821	1,445	1,672
Shipments, domestic_thous. of pairs		1,520	2,657	4,372	3,624	2,879	2,343	2,318	1,875 871	319	562	1,441	1, 389
Exports thous. of pairs thous. of pairs thous. of pairs.		125 5, 957	100 6, 766	121 7, 523	150 9,889	236 10, 960	200 11,451	110 11,506	175 10,633	148 10,712	263 9, 239	² 350 8, 248	238 8, 597
Waterproof, total— Production thous, of pairs		1, 570	1,922	1,261	1,102	874	958	1,272	2, 214	2,736	2,960	2,822	2,616
Productionthous. of pairs_ Shipments, domestic_thous. of pairs_ Exportsthous. of pairs_		1, 510 117	1,173	626	1,070	944	1,015	1,549	3,888	4,212	5, 299 287	4,968	3, 430 384
Stocksthous. of pairs		16, 978	108 16, 763	16, 357	72 15, 733	15, 803	16,030	74 16, 179	63 17, 172	135 18, 449	20,054	548 22, 680	25, 416
Grand total— Production——thous. of pairs—		2, 407	3, 921	3,402	3,693	3,483	3,450	3,681	4,089	4,675	4, 781	4, 267	4, 288
Shipments, domestic_thous. of pairsthous. of pairs		3, 030 242	3, 830 208	4, 998 171	4, 694 222	3, 822 288	3,358 292	3, 867 184	4, 759 237	4,531 282	5, 861 550	6, 409 898	4,820 622
Stocksthous. of pairs Rubber heels:		22, 935	23, 528	23, 881	25, 622	26, 762	27, 481	27, 685	28, 806	29, 160	29, 293	30, 928	34, 013
Productionthous. of pairs		15, 361	17,093	15, 474	15,408	14,661	13, 156	12, 973	13, 101	11,083	16,460	14,322	13, 735
Shipments— Exports—————thous, of pairs—		540	630	612	578	577	658	748	838	880	966	1,083	780
Repair tradethous. of pairs Shoe manufacturersthous. of pairs		4,058 11,177	4, 946 10, 522	3, 975 9, 693	4,038 10,112	4, 868 10, 991	4, 854 8, 397	3, 939	3,450	4,473	8, 291 9, 354	6, 681 9, 244	6,622
Stocks, end of monththous. of pairs		27, 006	27, 898	28, 491	27, 764	26, 708	29, 335	8, 471 30, 302	6, 618 29, 741	4, 578 29, 130	29, 353	31,601	8, 813 33, 226
Rubber-proofed fabrics, production: Auto fabricsthous. of yds		531	701	982	710	738	644	577	476	532	915	733	678
Raincoat fabricsthous. of yds All otherthous. of yds		1, 843 963	1,355 1,156	1,066 1,002	1,040 1,271	863 1,168	567 973	738 891	697 736	1,426 864	3,040 1,254	3, 249 1, 064	1,805 975
Totalthous. of yds		3, 337	3, 212	3,050	3,381	2, 769	2, 184	2, 206	1,909	2,822	5, 209	5,046	3, 458
Rubber soles: Productionthous. of pairs		2,864	3, 177	2,885	2,692	2, 292	2,724	2,481	3,021	1,426	3,056	2, 193	1, 473
Shipments— Exports—thous. of pairs—		67	59	62	69	14	36	11	58	60	82	74	74
Repair trade thous. of pairs Shoe manufacturers thous. of pairs		196 2, 569	225 2,899	330 2,651	255 2,474	408 2, 145	290 2,259	287 2,090	243 2, 305	280	492 2,638	333	317
Stocks, end of monththous. of pairs		2, 309	2, 899	2,655	2,474	2,145	3, 167	3,032	2,305	1,011 2,390	2,638	1,691 2,729	1, 161 2, 289

^{*} Revised.

Quarter ended in month indicated.

				10	31						1930		
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber		Septem- ber	August
STONE, CLAY, AND GLASS								1 de 14 de 15 de 1					
New ordersrel. to 1923-25_ Production index (elect. energy	46. 7	² 49. 0	60.0	52. 3	48.7	55. 3	48. 0	53. 3	48.7	53. 3	66.3	64.3	58.7
consumed) rel. to 1923-25. Stocks, end of month rel. to 1923-25. Unfilled orders, end of month rel. to 1923-25.	105.9 146.7	104. 8 2 155. 0 25. 0	118. 7 164. 3 26. 5	132. 0 174. 9 27. 3	116. 5 175. 5 23. 7	105. 1 179. 4 25. 5	102.6 173.4 24.2	75. 3 165. 0 28. 0	100. 6 166. 0 33. 8	106. 2 162. 9 41. 3	106. 3 149. 6 40. 0	120, 5 152, 6 45, 8	118, 2 160, 1 47, 3
Brick Common brick:													
Plants closed downnumber Price, red, New Yorkdolls. per thous Shipmentsthousands Stocks, end of month—	31 10, 00 28, 332	10. 00 31, 303	10. 00 30, 754	33 10. 25 30, 087	10. 25 31, 307	53 10. 00 29, 284	10. 00 19, 844	10. 00 19, 657	65 9. 50 33, 488	90 9. 50 103, 489	76 9. 50 103, 390	70 9. 50 115, 251	9, 50 105, 493
Burned thousands Unburned thousands Unfilled orders, end of month thousands. Face brick (average per firm):	204, 218 164, 593 41, 412	168, 732 171, 396 41, 391	189, 621 164, 886 49, 106	209, 094 159, 352 44, 415	205, 842 165, 172 38, 281	256, 396 192, 499 48, 240	237, 346 194, 504 36, 997	251, 842 205, 600 47, 032	290, 144 233, 812 84, 550	429, 896 285, 944 121, 389	405, 082 273, 309 101, 906	373, 485 271, 577 132, 689	350, 940 222, 710 149, 034
Production thousands Shipments thousands Stocks, end of month thousands Unfilled orders, end of month thousands	425 477 3, 602 639	540 521 3, 660 669	540 574 3, 652 733	549 569 3, 684 781	533 579 3, 698 784	395 522 3, 734 685	338 369 3, 836 708	310 303 3,856 778	494 365 3, 823 778	543 536 3, 677 821	748 767 3, 662 901	730 794 3, 677 1, 067	854 779 3,717 1,059
Sand-lime brick: Production thousands. Shipments by rail thousands. Shipments by truck thousands. Stocks, end of month thousands.	5, 989 805 5, 506 10, 698	² 5, 518 529 ² 5, 424	6, 664 494 5, 758	5, 084 1, 595 4, 375	3, 999 1, 698 3, 330	4, 869 1, 466 3, 743	4, 140 1, 493 3, 306	3, 718 910 3, 367	6, 053 1, 846 4, 277	7, 126 3, 044 4, 659	7, 925 3, 437 6, 169	7,877 3,278 6,553	9, 636 2, 921 6, 437
Unified orders, end of month-thousands.	10, 838	² 10, 199 ² 10, 710	8, 975 9, 960	10, 724 6, 513	11, 119 5, 232	12, 566 7, 070	12, 545 6, 720	11, 594 5, 245	12, 070 9, 125	12, 730 8, 183	12, 260 7, 567	14, 151 8, 957	15, 496 7, 762
Glass Containers Net ordersthous. of gross	1, 859	2, 102	2,465	2, 119	1, 952	0.020	0.940	0.004	1 004	0.00*		0.505	
Shipments thous of gross Stocks, end of month thous of gross Production: Total thous of gross	2, 213 5, 930 2, 239	2, 180 5, 887	2,491 6,086	2, 545 6, 003	2, 291 6, 078	2, 250 2, 479 5, 974	2, 342 1, 972 6, 307	2, 634 2, 041 6, 696	1, 894 1, 486 7, 022	2, 221 1, 678 6, 814	2, 451 2, 297 6, 578	2, 585 2, 623 6, 412	2, 636 2, 459 6, 768
Per cent of capacity Unfilled orders, end of month thous. of gross Illuminating Glassware	686 7,591	2, 268 69. 5 8, 268	2, 565 75. 9 8, 625	2, 481 73. 4 9, 127	2, 404 71. 4 9, 785	2, 166 64. 4 10, 340	1, 777 57. 2 10, 913	1, 776 52. 8 10, 761	1, 698 50. 5 9, 628	1, 913 59. 1 9, 484	2, 461 70. 4 9, 097	2, 202 68. 1 9, 404	2, 439 72, 5 10, 024
New ordersp. ct. of capacity_	24.8	24.3	29. 3	27.3	28.6	32.4	27.0	30.7	26. 5	30. 5	34.5	33.7	29, 9
95 - A	1,607	1, 492	2, 161	2, 037	2,086	2, 108	1,818	2, 183	1, 912	2, 059	2, 185	1, 961	2,083
Total no, of turns Per cent of capacity Shipments p. ct. of capacity Stocks, end of month no, of weeks' supply Unfilled orders, end of	21. 4 21. 6 . 9	19. 9 24. 0 3. 9	28. 8 28. 2 4. 1	27. 2 26. 8 4. 1	27. 8 28. 8 4. 1	28. 1 28. 7 4. 1	24. 2 25. 9 4. 2	29. 1 28. 7 1. 1	30. 9 27. 6 5. 1	33. 2 30. 6 4. 9	35. 3 34. 4 4. 7	31. 7 33. 0 4. 6	33, 6 30, 4 4, 6
monthno. of weeks' supply	. 2	8	.9	.8	.8	. 8	.7	. 2	.7	.7	.8	.8	. 7
Plate glass, polished, productionthous. of sq. ft		7, 216	7, 554	9, 466	10, 174	10, 593	8, 882	7, 321	4, 941	7, 103	8, 583	7, 979	5, 520
Plumbing Fixtures Porceiain:													
Net new ordersnumber of pieces. Shipmentsnumber of pieces. Stocks, end of monthnumber of pieces. Unfilled orders, end of	4, 571 5, 761 25, 236	5, 796 5, 577 24, 641	6, 213 5, 237 27, 850	4, 824 4, 665 28, 394	6, 898 4, 093 28, 248	6, 163 4, 178 30, 259	5, 570 3, 699 30, 004	4, 559 4, 597 29, 347	4, 586 3, 259 29, 598	4, 451 5, 634 30, 370	8, 657 6, 455 31, 133	6, 815 7, 564 29, 367	8, 232 7, 214 32, 696
Wholesale price, 6 pieces dollars Wholesale price, 6 pieces dollars		10, 476 98. 91 121, 324	10, 804 98, 96 136, 285	11, 387 99, 16 119, 922	32, 541 98, 84 93, 108	31, 497 97. 86 64, 260	30, 526 96, 49 150, 451	29, 863 99, 26 250, 183	30, 400 98. 52 131, 807	29, 869 96, 68 113, 710	31, 309 97, 40 141, 036	31, 973 96. 88 140, 882	33, 493 98, 32 142, 254
New orders pieces Shipments pieces Stocks, end of month pieces Unfilled orders, end of month pieces.		135, 292 554, 939 188, 623	134, 549 574, 304 202, 591	128, 574 593, 268 200, 855	117, 105 597, 476 209, 507	133, 802 583, 099 233, 504	552, 403	172, 334 594, 886 337, 158	108, 065 623, 125 259, 309	121, 259 582, 675 235, 567	158, 839 593, 492 243, 116	155, 330 586, 915 260, 919	166, 156 615, 931 275, 367
Per cent of capacity	60. 2	62.0	65. 4	62. 8	52.1	36. 9	29. 4	29. 5	38. 2	51.7	65, 4	75. 7	81.0
Prices, wholesale, composite dolls per bbl. Production thous, of bbls. Shipments thous of bbls. Stocks, end of month thous of bbls. Stocks, clinker, end of month thous of bbls.	1, 331 13, 549 15, 172 24, 311	1. 331 13. 899 15, 545 2 25, 934 2 10, 209	1. 364 14, 118 16, 077 27, 602	1. 399 14, 010 14, 200 29, 554	1. 422 11, 245 11, 184 29, 715	1.477 8,245 7,192 29,676	1, 543 5, 920 5, 074 28, 612	1, 586 6, 595 4, 692 27, 759	1. 591 8, 480 5, 688 25, 883	1, 599 11, 098 8, 784 23, 056	1. 611 14, 410 15, 599 20, 697	1. 611 16, 124 18, 083 21, 889	1, 611 17, 821 20, 299 23, 824
Terra Cotta	5, 100	- 10, 200	11, 837	13, 087	13, 854	13, 318	11,946	10, 384	8,809	7, 758	7, 266	7, 783	9, 275
Terra cotta, new orders: Quantitynet tons. Valuethous. of dolls.	3, 955 361	5, 117 480	7, 547 719	4, 180 412	2, 598 291	3, 138 315	3, 226 335	3, 231 324	3, 799 350	3, 373 329	5, 930 556	5, 718 465	5, 594 520
Tile Floor and wall tile:													
Productionthous, of sq. ft Shipments—	1	4, 384	² 4, 120	4,090	3, 861	3, 535	2, 656	2, 866	3, 342	3, 134	4, 135	3, 954	3, 812
Quantitythous, of sq. ft_ Stocks, end of monththous, of sq. ft_		4, 232 14, 669	² 4, 316 ² 14, 518	3, 998 14, 715	3, 744 14, 623	2, 923 14, 506	3, 656 13, 895	2, 541 14, 895	2, 937 14, 570	3, 791 14, 166	4, 572 14, 823	4, 482 15, 259	4, 859 15, 786
TEXTILES Now orders rel to 1022 25		00.5	4.00.0	1000	1000	9 707 0	9	9 22 =		. =	200-	. .	
New ordersrel, to 1923–25_ Prices, wholesalerel, to 1926_ Production index (Fed, Res.	64. 2	86.7 65.4	² 90. 9 65. 4	² 96, 6 66, 3	² 96. 8 67. 6	² 101. 0 69. 2	² 91. 4 70. 4	² 86. 7 71. 0	² 61. 4 72. 4	² 73. 9 73. 3	² 90. 9 73. 8	² 76. 0 75. 5	2 61. N 77. 7
Bd.) rel. to 1923-25. Production index (elect, energy	100	102	97	2 98	98	97	93	86	87	93	91	88	81
consumed) rel. to 1923-25. Stocks, manufactured goods, end of month rel. to 1923-25.	95. 0 85. 8	98. 2 288. 9	100. 5 90. 8	103. 7	100. 0 93. 4	97. 3 94. 1	99. 3 92. 4	86. 4 100. 0	89. 8 109. 2	87. 0 97. 3	85. 4 96. 8	85, 1 96, 5	72, 5 106, 4
end of month	133. 2	² 133. 5	148.9	161. 2	176.8 42.3	196. 3	212. 2 40. 0	229. 9	241.8	237. 6 37. 3	214. 7 36. 2	155. 4 34. 5	116. 9 33, 7

Earlier data for items shown here may		·		19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
TEXTILES—Continued													
Burlaps and Fibers Imports:	l												
Burlaps thous. of lbs Fibers long tons.	45, 618 18, 277	35, 604 21, 993	42, 942 18, 622	37, 732 14, 102	30, 481 21, 719	34, 945 19, 574	42, 176 21, 326	35, 062 19, 162	44, 591 20, 429	36, 656 14, 681	37, 940 17, 958	39, 578 13, 803	² 39, 038 13, 941
Clothing Hosiery:	i												
New orders thous, of doz, pairs. Net shipments thous, of doz, pairs. Production thous, of doz, pairs.	4, 278 4, 540 4, 188	4, 279 3, 777 4, 069	4, 654 4, 561 4, 572	5, 029 4, 772 4, 719	4, 808 4, 925 4, 627	4, 919 4, 982 4, 486	4, 534 4, 360 4, 199	4, 297 3, 898 4, 134					
Stocks, end of month thous. of doz. pairs	9, 869	10, 177	9, 990	9, 864	9, 914	10, 120	10, 579	10, 704	1				1
Unfilled orders, end of monththous. of doz. pairs	3, 139	3, 511	3, 200	3, 225	3,042	3, 260	3, 420	3, 355			· • • • • • • • • • • • • • • • • • • •		
Knit underwear: Net shipmentsthous. of doz. garments. New ordersthous. of doz. garments. Productionthous. of doz. garments.						1, 107 1, 326	909 994	975 967	816 878	1, 129 1, 164	1, 365 1, 475	1, 261 1, 049	1, 024 909
Productionthous. of doz. garments_ Stocks, end of						1, 146	945	840	821	978	1, 132	913	828
monththous. of doz. garments						1, 366	1, 265	1, 329	1, 299	1, 197	1,421	1,497	1, 759
of monththous, of doz. garments		-			-	1, 549	1, 342	1, 258	1, 284	1, 266	1, 250	1, 140	1,398
Men's and boys' garments cut: Overcoatsthous, of garments. Separate trousersthous, of garments. Suitsthous, of garments.		464 2, 187	299 2, 336	132 2, 157 1, 749	191 2, 017 1, 878	303 1,845	251 1,708	160 1,580	159 1, 232	444 1, 183	555 2, 103	564 2, 071	437 1,891
				1	ı	2, 370	2,028	1,714	1, 222	1,100	1,654	1,662	1,878
Cut thous, of doz, garments. Net shipments thous, of doz, garments.							234 223	222 218	161 137	207 191	279 249	326 289	288 250
Unfilled orders, end of monththous. of doz. garments							41	36	42	36	51	69	74
Cotton							l İ						
Consumption by textile millsbales. Consumption by textile mills rel. to 1923-25. Exports, unmanufactured	425, 819 83. 0	450, 518 87. 8	455, 388 83. 7	465, 770 90. 8	508, 744 99. 1	490, 586 95. 6	433, 510 84. 5	454, 188 88. 5	406, 207 79. 2	414, 887 80. 8	444, 494 86. 6	394, 321 76. 8	352, 335 68. 7
(exclusive of linters) thous of bales	211 565	259 7	255	336	392	605 13, 756	433	625 13, 593	766 13, 258	908 12,837	1,004 10,866	903 6, 304	366 1,879
Ginnings thous of bales Imports, unmanufactured bales Machinery, activity of spindles:	7, 236	9, 305	14, 134	15, 189		10, 266	11, 185	11, 299	4, 461	3, 409	1, 747	3, 394	5, 901
Activity spindles thousands	25, 623 190	25, 836 200	25, 799 202	26, 398 204	26, 645 216	28, 490 211	25, 763 184	25, 611 191	25, 526 176	25, 858 173	26, 154 184	26, 087 167	25, 874 151
Activity per spindle hours Total activity taill, of hours Per cent of capacity per cent	6, 193 81. 8	6, 532 ² 86. 0	6, 630 2 86. 8	6, 739 2 89. 6	7, 129 2 94, 1	7, 001 2 91. 0	6, 110 87. 2	6, 360 80. 8	5, 916 76. 1	5, 832 80. 1	6, 239 77. 1	5, 663 73. 4	5, 134 2 64. 8
Prices: To producerdolls, per lb In New York, middlingdolls, per lb	. 063	. 085 . 093	. 077	. 088	. 093	.096	. 091	. 086	. 087	.096	. 092 . 107	. 099	. 114
Production, crop estimatethous, of bales Receipts into sightthous, of bales	1 15, 685 333	277	103	341	358	. 109	.110	729	5 14, 243 1, 627	2,749	3,670	2,410	. 121
Stocks, domestic, end of month: Mills thous, of bales	840	995	1, 131	1, 258	1,370	1,478	1,548	1,613	1,659	1,567	1,353	968	1,012
Warehousesthous, of balesthouses	4, 426	4, 524	4, 971	5, 494	6,034	6, 643	7,314	7, 939	8, 378	8,398	7,543	5, 248	3, 465
thous, of bales Total, mills and warehouses	5, 266	5, 519	6, 101	6, 752	7,404	8, 120	8,862	9, 553	10, 037	9, 965	8, 895	6, 215	4, 476
rel. to 1923-25_Stocks, world visible, end of month:	140. 1 4, 498	146.8	162.3	179.6	196. 9	216.0	235. 7	254.1	267. 0	265. 0	236.6	165.3	119.1
American thous, of bales thous, of bales.		4,775 6,899	5, 236 7, 572	5,861 8,346	6, 302 8, 883	6, 826 9, 332	7,381 9,958	7,576 9,897	7, 841 9, 897	7, 676 9, 437	6, 617 8, 413	4, 892 6, 707	3, 159 5, 190
Cotton Finishing													
Printed only (mills and outside); Productionthous. of yds_	65, 983	56, 153	57, 412	67, 704	86, 612	87,318	76, 847	68, 380	70, 301		69, 764		42, 185
Stocks, end of monththous, of yds White, dyed, and printed (outside mills):	71,615	74,662	77, 335	74,436	72,973	65, 145	64, 546	65, 704	68, 420	68, 817	65,876	64,788	70, 395
Billings, finished goodsthous, of yds New orders, gray yardagethous. of yds Per cent of capacity per cent	44, 372	45, 831 45, 233 47	51,577 41,119 45	52, 537 45, 937 51	60, 590 50, 394 52	61, 803 57, 872 58	50, 166 49, 679 56	43,642 46,370 47	47, 566 39, 749 40	40, 249 38, 541 44	53,003 47,133 48	40, 631 41, 618 46	37, 907 35, 576 36
Per cent of capacity per cent Shipments, finished goods cases Stocks, finished goods, end of	ì	24, 916	27, 221	30, 109	31, 176	35, 334	30, 593	29,031	23, 888	23, 743	29, 260	26, 691	28, 843
month cases Unfilled orders, end of month days	18, 095 1. 7	16, 404 1. 5	16, 433 1. 5	17, 141 1. 9	16, 677 2. 7	17,641 2.7	17, 071 2. 6	20, 134 2. 6	23, 593 2. 6	21,803 2.5	22, 392 2. 1	22, 079 2. 6	27, 198 2. 1
Cotton Goods													
Cotton cloth: Imports thous, of sq. yds Exports thous, of sq. yds descriptions.	1, 692 30, 309	4, 326 35, 272	3,937 34,370	3, 920 30, 961	2,810 30,776	2, 530 33, 392	2, 148 25, 188	2, 641 31, 488	1, 658 29, 388	1,763 29,273	1,976 34,804	1,920 32,626	1, 664 34, 285
Cotton textiles: New orders thous, of yds thous, of yds	167, 555	158, 353	355,902	160, 029	137, 749	295, 334	326, 691	239, 106	182, 656	183,067	335, 801	291, 980	235, 272
Production thous, of yds.	209, 050	192, 545 211, 331	260, 163 273, 871	225, 392 205, 603	225, 955 217, 582	271, 638 317, 185	212, 168 248, 354	202, 149 210, 597	234, 052 226, 951	206, 633 200, 661	228, 866 270, 383	182, 385 232, 975	218, 815 231, 348
Stocks, end of monththous. of yds Unfilled orders, end of	250, 855	269, 449	288, 235	301,943	282, 154	273, 781	319, 328	355, 514	363, 962	356, 861	350, 889	392, 406	442, 996
monththous. of yds Elastic webbing, shipmentsthous. of dolls	217, 508	277, 597	330, 575 1, 018	248, 544 1, 124	294, 118 1, 199	373, 951 1, 363	395, 802 1, 180	317, 465 1, 041	288, 956 921	333, 251 1, 000	350, 845 1, 356	285, 427 1, 200	226, 422 1, 127
fabric for tire manufacture, consumptionthous. of lbs	1	15, 140	17,085	18,010	15, 244	14,041	12,002	12,738	8,358	8,418	11,780	10,917	13, 223
Prices: Print cloth 64 x 60dolls. per yd Sheeting, browndolls. per yd Cotton goods (Fairchild)rel. to 1911-13	. 043 . 052 100	.049 .056 111	. 048 . 054 112	. 050 . 058 115	. 053 . 059 119	. 055 . 059 121	. 053 . 065 119	. 052 . 062 120	. 053 . 065 122	. 057 . 066 124	. 055 . 066 124	. 053 . 070 124	. 050 . 070 126
Cotton Yarn		***			1		1.0	120					
Carded sales yarn:												_	
Productionthous. of lbs_ Stocks, end of monththous. of lbs_ Unfilled orders, end of month	10, 023	² 11, 800 ² 10, 181 ² 32, 951	10,067 11,195	13, 377 11, 212	11,081	11, 536 12, 537	10, 968 13, 420	12,665 13,795	9, 582 13, 531	11, 787 12, 548	15, 494 12, 548	11, 148 12, 819	10, 031 13, 633
thous. of lbs kevised.	. 01, 591	1 - 92, 801	34,017 As	34,914 of Aug. 1.	38,825	40,979	42,407	39,963 Final	38,920 estimate	38,926 for 1930.	37,854	33, 194	29, 103

Earlier data for items shown here may				193	1						193	30	
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
TEXTILES—Continued													
Cotton Yarn—Continued													
Prices: 22/1 cones, Bostondolls, per lb 40/1s southern spinningdolls, per lb Fur	0. 212 . 336	0. 225 . 352	0. 215 . 352	0. 223 . 353	0. 231 . 369	0. 240 . 382	0. 239 . 390	0, 248 . 390	0. 247 . 390	0, 254 . 405	0. 235 . 413	0. 242 . 420	0. 252 . 435
Sales by dealersthous. of dolls Pyroxylin-Coated Textiles		6, 033	4, 474	5, 324	5, 615	6, 693	6, 049	4, 496	3, 048	4, 520	5, 787	7, 301	5, 425
		4, 258	4,001	4, 060	4, 273	4, 081	3,044	2, 565	2, 353	2, 417	2,877	3, 158	2,882
Pyroxylin spread thous. of lbs. Shipments billed thous. of linear yds. Unfilled orders end of month thous. of linear yds.		4, 258 2, 375 2, 615	2, 815 2, 656	3, 186 2, 810	3, 301 2, 962	3, 394 3, 358	2, 724 3, 058	2, 333 2, 735	2, 126 2, 031	2, 417 2, 075 2, 424	2,711	2, 690 2, 590	2, 309 2, 015
Rayon thouse of the	900	276	900	901	005	490	974	154	0	916	101	150	171
Importsthous_fof lbs Price, 150 denier, "A" grade, New Yorkdolls. per lb Silk	299	.75	202 . 75	225 . 75	295 . 75	439 . 75	.75	.75	. 95	.95	.95	153	171 . 95
Deliveries (consumption)bales.	46, 454	44, 746	42, 161	45, 073	41, 356	55, 383	54, 242	55, 910	55, 424	57, 333	61, 937	55, 649	41,734
Imports, rawthous. of lbs_ Prices: Raw, Japanese 13-15, New Yorkdolls. per lb_	7, 167 2. 512	6, 724 2, 364	6, 409 2, 463	6, 520 2, 266	4, 823 2, 266	7, 725 2, 561	7, 318 2. 709	7, 405 2, 807	9, 877 2, 709	7, 000 2, 463	8, 940 2. 512	7, 887 2, 413	8, 244 2, 955
Silk goods, compositedolls. per yd Silk machinery activity: Broad looms	.98	. 98 76. 4	. 99 75. 6	. 99 76. 3	90. 9	. 99 93. 8	1.00 96.5	1. 02 94. 0	1. 02 94. 0	1. 02 96. 5	1. 02 88. 2	1.04	1. 06 73. 1
Narrow looms p. ct. of normal Spinning spindles p. ct. of normal Stocks, end of month:	38. 2 48. 7 41, 878	35. 3 44. 6 29, 921	43. 9 42. 8 37, 352	42. 5 49. 5 32, 688	44. 6 51. 8 35, 497	44. 2 58. 6 47, 407	51. 7 58. 9 45, 399	39. 2 55. 2	35. 8 65. 8 58, 430	60. 8 75. 1 49, 238	38. 2 70. 2 51, 278	44. 7 57. 7 47, 621	36. 9 49. 1 44, 978
At warehousesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbalesbales	21, 122	16, 990	18, 706	18, 206	20, 425	22, 231	23, 124	51, 814 23, 588	24, 242	24, 929	22, 954	21, 243	20, 511
Consumption at textile mills, grease equivalentthous. of lbs_Consumption at textile mills_rel. to 1923-25_	51, 140 107. 9	53, 886 113. 7	45, 805 96. 7	52, 199 110. 2	47, 710 100. 7	40, 373 85. 2	38, 420 81. 1	33, 856 71. 5	30, 007 63. 3	31, 237 65. 9	40, 975 86. 5	38, 083 80. 4	33, 761 71. 8
Imports: In condition, importedthous. of lbs Machinery activity, hourly:	9, 679	12, 987	16, 868	14, 168	21, 258	15, 348	11,687	13, 767	10, 920	8, 546	8, 994	8, 817	10, 145
Combsp. ct. of hours active Looms—	115	115	107	97	82	76	75	67	67	65	74	81	75
Carpet and rugs.p. ct. of hours active Narrowp. ct. of hours active Widep. ct. of hours active Set of cardsp. ct. of hours active	38 45 70 65	38 43 64 64	40 46 61 60	46 45 58 60	44 42 54 57	44 34 59 66	39 30 59 60	29 28 49 47	29 26 46 43	38 37 47 50	38 44 47 54	36 41 46 53	34 43 44 48
Spinning spindles— Woolenp. ct. of hours active Worstedp. ct. of hours active	1	64 83	61 73	60 66	55 57	57 57	66 54	48 52	45 52	52 52	53 62	55 60	48
Prices: Raw, territory, fine, scoured_dolls. per lb_	. 63	. 62	. 62	.63	. 65	.66	. 66	. 68	.72	.72	.75	.76	.76
Raw, Ohio and Penn. fleeces, ¼ blood, combing, greasedolls. per lb-Suiting, 12-ozdolls. per lb-	1.490	. 21 1. 494	. 20 1. 494	. 20 1. 494	. 22 1, 494	. 22 1. 543	. 23 1. 601	. 26 1. 601	. 27 1. 601	. 29 1. 601	1.601	.31 1.601	.31 1.601
Women's dress goods, French serge, 54-in. at factorydolls. per yd. Worsted yarnsdolls. per lb. Worsted yarnsrel. to 1926.		. 925 1. 00	. 925 1. 00	. 925 1. 00	. 968 1. 00	1. 050 1. 00	1.050 1.10	1.050 1.10	1. 050 1. 17	1.050 1.20	1.093 1.20	1.100 1.20	1. 100 1. 20
Receipts at Boston: Domestic thous. of lbs. Foreign thous. of lbs.	34, 445	69. 7 76, 046 3, 335	69. 7 53, 779 2, 964	69. 7 26, 151 4, 190	69.7 10,376 7,399 17,775	8, 215 5, 064	76. 6 6, 741 6, 528	7, 432	81.8 7,574 4,000	1,664	2, 245	4, 094 2, 980	83. 6 47, 826 3, 846
Total thous. of lbs.	36,850	79, 381	56, 743	30, 341	17,775	13, 279	13, 269	10, 795	11, 574	6, 240	12, 739	7,074	51, 672
Unmanufactured: Production, crop estimatemills. of lbs.		20, 574	38, 737	48, 911	45,006	39, 908	46, 879	50, 440	\$ 1,641		78, 262	53, 841	39, 527
Exports, leafthous. of lbs_ Stocks— Chewing, smoking, snuff and export		20,019	30, 151	40, 511	40,000	39, 300	40,078	30, 440	62, 148	37, 304	10, 202	33, 341	00,021
types, quarterlymills. of lbs. Cigar types, quarterlythous. of lbs.	-		³ 1, 453 ³ 370, 142			³ 1, 698 ³ 354, 184			3 1, 492 3 277, 850		-	3 1, 266 3 303, 104	
Total, including imported types, quarterlymills. of lbs_Manufactured products: Consumption (tax-paid withdrawals)—	-		\$ 1,915			3 2, 151		-	³ 1, 853		-	3 1,649	
Large cigars thousands Small eigarettes millions Manufactured tobacco	463, 256 9, 520	478, 901 10, 700	517, 514 11, 508	467, 300 10, 448	459, 982 9, 471	440, 472 9, 802			349, 635 8, 675				517, 200 10, 577
and snuffthous. of lbs. Manufacturing	1	30, 661	31,086	30, 780	30, 781	31, 049	1	1	25, 815	1	ĺ	1	31, 370
operationsrel. to 1923-25_ Exports, eigarettesthousands_	254, 049	122 243, 233	133 244, 201	137 250, 858	134 241, 703	324, 808	256, 706		338, 808		129 318, 751		295, 744
MISCELLANEOUS PRODUCTION Buttons													
Fresh-water pearl buttons: Production, ratio to capacityper cent_ Stocks, end of monththous. of gross_	-	2 31. 3 2 8, 842	45. 0 9, 252	44. 7 9, 224	45, 2 9, 408	47. 5 9, 518			40. 6 8, 842				25. 7 9, 258
Imports: Buttons— Product of Philippines_thous. of gross. All otherthous. of gross.	95	68 10	118 446	61 11	55 2	94			82 9				69
Shells—	399 467	256 134 2,025	202 527 1,999	43	395 48 1,720	289 95 592	369	22	15	458	586	164	56
_		j 2,020 Modin m		•	1 2,120	1 092	1 1,028	1 210	•	tino Lost			1 100

Revised.

³ Quarter ended in month indicated.

As of Aug. 1.

Final estimate for 1930.

² Revised.

SURVEY OF CURRENT BUSINESS

Earlier data for items shown here may			,	1931						19	30		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FUELS													
Coal												į	
Anthracite: Exportsthous, of long tons	101	110	146	148	120	79	159	207	178	182	2 53	198	205
Prices— Retail, composite_dolls. per short ton	14. 73	14. 59	14. 31	14. 19	14. 39	14.85	14.85	14.88	14.89	14. 90	14.87	14.80	14. 57
Wholesale, compositedolls. per long ton	12,796	12.614	12. 413	12. 270	12. 202	12.608 91.6	12. 732 92. 5	12. 732 92. 5	12. 751 92. 6	12. 751 92. 6	12. 762 92. 7	12. 707 92. 3	12. 578
Wholesale, compositerel. to 1926_ Productionthous. of short tons	92. 9 4, 314	91. 6 3, 954	90. 2 4, 544	89. 1 5, 005	88. 6 5, 700	4,745	5, 391	6, 157	6,086	5, 207	7, 576	5, 293	91. 4 2 6, 081
Stocks, end of month, in yards of dealersno. of days' supply_ Bituminous:			60		45	21		31	43		47	61	
Consumption— By coke plants—	ļ												
Canadathous, of short tons United States		193	213	229	230	247	235	236	246	249	249	233	244
By electric power	3, 634	3, 795	4, 027	4,629	4,682	4, 902	4, 408	4,686	4, 737	4,820	5, 270	5, 214	5, 559
plantsthous. of short tons_ By railroadsthous. of short tons_		3, 148 5, 463	2, 946 5, 314	2, 953 5, 821	2, 963 5, 885	3, 410 6, 414	3, 286 5, 810	3, 688 6, 598	3, 837 6, 622	3, 670 6, 642	3, 944 7, 124	3, 725 6, 349	3, 650 6, 408
By vessels clearing	165	186	209	195	168	136	141	187	201	204	230	269	261
portsthous, of long tons Exportsthous, of long tons Prices—	1, 217	1,087	994	926	671	665	645	700	803	1, 287	1,317	1, 462	1, 433
Mine average (spot)dolls, per short ton	1. 57	1. 58	1. 56	1.60	1.64	1.69	1.77	1.77	1.77	1.78	1.81	1. 75	1.68
Prepared sizes (com- posite)dolls. per net ton_	3. 907	3.856	3.816	3. 838	3. 845	4. 001	4. 223	4. 268	4. 317	4. 336	4. 342	4. 303	4. 180
Prepared sizes (composite) rl. to 1926. Retail, composite dolls, per short ton.	81. 5 8. 11	80. 4 8. 09	79. 6 8. 00	80. 1 8. 04	80. 2 8. 46	83. 5 8. 71	88. 1 8. 83	89. 0 8. 87	90. 0 8. 94	90. 5 8. 94	90. 6 8. 88	89. 8 8. 79	87. 2 8. 70
Wholesale, compositedolls. per short ton.	3, 704	3. 706	3. 692	3. 723	3. 760	3. 791	3. 814	3.829	3.898	3, 900	3.893	3.897	3. 892
Wholesale, compositerel. to 1926_ Production—	85. 9	85. 9	85. 6	86.3	87. 2	87. 9	88.4	88.8	90. 4	90. 4	90. 2	90. 3	90. 2
Canadathous, of short tons_ United Statesthous. of short tons_	30, 534	826 29, 790	888 29, 185	902 28, 314	888 28,478	1, 028 33, 870	963 31, 408	1, 164 38, 542	1, 275 39, 716	1, 315 38, 122	1,630 44,150	1, 230 38, 632	1, 101 35, 661
Production indexrel, to 1923-25_Stocks, end of month, held	70	74	74	75	77	76	73	77	85	86	87	85	82
by consumersthous, of short tons			30, 100		26, 900	29, 500		34, 200	37, 200		36, 800	35, 900	
Coke	1	<u> </u>					1				1		:
Exportsthous. of long tons. Price, furnace, Connellsville.	87	50	45	86	43	54	67	71	70	69	83	66	64
dolls. per short ton. Price, furnace, Connellsvillerel. to 1926.	2. 45 59. 7	2, 45 59, 7	2. 45 59. 7	2.48 60.3	2.50 60.9	2, 50 60, 9	2. 53 61. 5	2. 55 62. 1	2. 55 62. 1	2, 58 62, 7	2.60 63.3	2.60 63.3	2. 55 62. 1
Production: Canadathous. of short tons		139	155	169	169	179	165	171	181	185	185	170	182
United States— Beehive——thous, of short tons	70	76	87	94	109	149	163	163	170	166	176	167	168
By-productthous, of short tons_	2,443	2, 569	2,715	3, 126	3, 146	3, 256	2,898	3, 092	3, 055	3, 114	3,408	3,376	3, 611
Petroleum Asphalt:	ļ									_			
Importsthous. of short tonsthous. of short tons		314	10 315	9 304	7 248	190	3 166	0 147	3 168	3 217	7 306	306	346 346
Stocks, end of month thous. of short tons Coke:	1	349	393	380	360	354	332	295	308	295	267	270	316
Productionthous. of short tons_ Stocks, end of month_thous. of short tons_		173 1,391	180 1, 315	178 1, 250	168 1, 158	170 1,089	151 1,053	159 1,032	166 1,041	158 1,064	177 1, 045	170 1,045	172 994
Crude petroleum: Consumption (run to stills)_thous. of bbls		79, 758	76, 237	78, 521	74, 706	73, 596	65, 249	70, 026	71, 581	70, 310	74,016	75, 950	79, 289
Imports thous. of bbls- Oil wells completed number		599	3, 978 603	4, 512 498	4, 162 519	3,715 383	4, 789 450	4, 353 487	4, 727 527	4, 467 659	5, 061 866	5, 808 782	5, 059 992
Price, Kansas-Oklahomadolls. per bbl_ Price, Kansas-Oklahomarel. to 1926_	$\begin{array}{c c} .434 \\ 23.0 \end{array}$. 238 12. 6	. 300 15. 9	. 530 28. 1	28.1	31.5	. 850 45. 1	. 850 45. 1	. 850 45. 1	, 850 45. 1	1.098 58.3	1, 178	1. 178 62. 3
Production thous. of bbls. Production index rel. to 1923-25	114	77, 961 2 122	75, 116 122	77, 164 122	73, 101 121	69, 397 112	60, 645	65, 991 110	66, 985	68, 174 114	72, 696 115	70, 977	74, 853 117
Refinery operationsp. ct. of capacity. Refinery operations index. rel. to 1923-25 Stocks, en: of month—		68 162	67 161	67 163	67 161	64 152	63 149	61 144	63 149	64 151	65 160	69 165	70 164
California— Heavy———thous. of bbls		98, 098	99, 015	100, 011	100, 578	100, 531	101, 442	102, 368	104, 121	103, 553	102, 643	103, 647	103, 701
Lightthous, of bbls_ East of California—		39, 621	40, 043	40, 805	40, 840	41,016	40, 651	40, 389	40, 625	40, 652	40, 738	40, 582	40, 671
Refineriesthous. of bbls_ Tank farms and pipe		41, 007	41,734	41, 819	41, 413	40, 786	42, 027	41, 785	41, 191	43, 446	46, 032	45, 445	46, 785
lines thous, of bbls. Total thous, of bbls.		305, 009 346, 016	305, 876 347, 610	306, 287 348, 106	308, 752 350, 165	310, 377 351, 163	313, 310 355, 337	317, 854 359, 639	320, 510 361, 701	323, 089 366, 535	323, 030 369, 062	324, 644 370, 089	328, 355 375, 140
Mexico— Productionthous. of bbls_		3, 129	2, 960	3,080	2, 761	2,819	2, 564	2,890	2,922	2,895	3, 147	3, 243	3, 440
Exportsthous. of bbls Venezuela—		2, 183	2,716	2, 808	2, 392	1, 528	1,463	1, 263	1,690	1,895	2,093	2,419	2, 630
Exportsthous. of bbls_ Productionthous. of bbls_	9, 274 9, 796	9, 401 9, 913	8, 561 9, 181	9, 049 9, 515	8, 586 9, 263	10, 362 10, 283	9, 516 9, 486	10, 877 10, 384	10, 704 10, 492	11, 134 10, 911	12, 208 11, 785	11, 674 11, 311	12, 182 11, 378
Gas and fuel oils: Consumption—	1		,		,	,							
By electric power plants thous of bbls By railroads thous, of bbls		714 3, 567	² 622 3, 440	541 3, 606	552 3, 536	643 3, 644	637 3, 181	800 3,599	845 3, 705	790 3,806	902 4,355	845 3, 841	764 3, 817
By vesselsthous. of bbls_ Price, Oklahoma 24-26,	1	3, 839	4, 053	4, 286	4,043	3, 657	3, 622	3, 544	3,868	3,794	4, 463	4, 333	4,702
refineriesdolls. per bbl_ Productionthous, of bbls_	. 280	. 294 29, 488	. 385 29, 512	. 463 29, 949	. 488 30, 073	. 510 30, 754	. 588 26, 536	. 600 29, 174	. 610 29, 704	. 650 29, 034	. 594 29, 818	. 580 29, 923	. 600 29, 862
Stocks at refineries at end of month thous, of bbls.		41,416	38, 581	36, 579	33, 854	32, 105	32, 159	33, 977	37, 007	40, 427	41, 293	41, 480	39, 729
Gasoline: Consumptionthous, of bbls	 	39, 459	38, 375	35, 716	33, 400	31,037	26, 133	26, 844	29, 094	30, 984	32, 267	37, 823	37, 433
Exportsthous, of bbls_ Prices, wholesale, New York_dolls per gal	3, 982 . 133	4, 157 . 133	² 3, 093 .133	4,792 .133	3, 988 133	2, 841 . 133	3, 586 . 138	4, 462 . 135	4, 149 . 141	3, 536 , 141	6, 131 . 143	3, 826 . 148	6,375 .163

Earlier data for items shown here may				19	31					1	930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FUELS-Continued													
Petroleum—Continued													
Gasoline—Continued. Production—													
Natural gas (at plants) thous, of bbis		3, 521 38, 440	3, 521 37, 024	3, 814 39, 019	3, 824 36, 601	4, 048 35, 246	3, 631 31, 328	4, 140 32, 708	4, 198 34, 352	4, 238 33, 616	4, 326 37, 400	4, 079 36, 914	4, 212 37, 844
Raw (at refineries)thous. of bbls_ Retail distribution—41 States_mills. of gals_ Stock, end of month—	i				962	874	777	835	890	929	1, 022	1,060	2, 112
Natural gas (at plant)_thous. of bbls Raw (at refineries)thous. of bbls Kerosene:		855 40, 332	860 44, 296	996 47, 948	1, 006 48, 587	$ \begin{array}{r} 884 \\ 48, 225 \end{array} $	692 45, 355	606 42, 818	578 40, 741	38, 705	38, 684	534 38, 254	744 41, 624
Consumption thous, of bbis	1, 131	$\frac{2,114}{1,214}$	2,104 720	2, 395 1, 145	2, 804 753	$\frac{2,691}{1,151}$	2, 272 974	2, 596 1, 275	2, 786 1, 310	2, 841 970	2, 599 1, 373	2, 768 1, 349	2, 57 1, 685
Exports thous of bbls. Price, 150° water white dolls per gal. Production thous of bbls.	. 038	. 038 3, 696	. 042 3, 404	. 045 3, 389	. 048 3, 397	. 051 3, 676	. 053 3, 171	3,560	. 054 3, 575	. 053 3, 590	. 054 3, 876	. 053 3, 846	. 050 3, 97
Stocks at refineries, end of monththous. of bbls		6, 869	6, 521	5, 960	6, 129	6, 300	6, 477	6, 555	6, 883	7, 379	7, 633	7, 771	8, 030
Lubricating oil: Consumption thous, of bbls- Price cylinder oil dolls, per gal-		1, 969	1, 615	1, 865	1, 850 . 145	1, 950 . 145	1,583	1, 715 . 165	1, 458 . 172	1, 573 . 184	1, 569 . 186	1, 944 . 190	1, 940
Production thous, of bbls Stocks at refineries, end of		2, 337	2, 088	2, 264	2, 316	2, 293	. 146 2, 036	2, 441	2, 509	2, 409	2, 546	2, 723	2, 97
wax:		9, 597	9, 763	10, 119	10, 463	10, 710	10, 911	11,013	10, 971	10, 536	10, 502	10, 257	10, 16
Production thous. of lbs. Stocks, end of month thous. of lbs.		37, 800 198, 407	34, 160 200, 836	35, 840 205, 803	33, 040 205, 105	37, 520 208, 620	38, 640 229, 414	42, 560 233, 044	36, 120 232, 592	35, 840 237, 027	38, 080 240, 060	43, 960 248, 940	39, 760 2549, 90
DISTRIBUTION MOVEMENT													ļ
Advertising													
Magazine advertisingthous. of lines Magazine advertising, total	1,316	1, 613	2, 191	2, 375	2, 421	2, 203	1,992	1, 585	2, 265	2, 488	2, 490	2, 145	2 1, 681
cost thous. of dolls. Newspaper advertising thous. of lines.	10, 008 67, 235	12, 314 66, 877	16, 692 79, 772	16, 959 88, 443	17, 173 88, 737	16, 002 90, 244	15, 307 72, 282	10, 820 75, 823	15, 352 82, 467	17, 359 89, 424	17, 759 98, 437	15, 214 88, 648	12, 07, 70, 018
Radio broadcasting, facilities, costthous. of dolls	2, 514	2, 764	2,825	3, 036	3, 161	3, 141	2, 591	2, 637	2, 718	2, 577	2, 674	2, 123	1, 960
Agricultural Products (Marketing)												İ	
Agricultural, total rel. to 1923–25. Animal products:	86.8	² 103. 3	61.4	66.4	57. 9	67. 3	68.7	76. 3	105.0	142.8	200. 7	167. 2	119. 8
Dairy products rel. to 1923–25 Fish rel. to 1923–25 Livestock rel. to 1923–25.	96, 3 188, 6 82, 3	² 123. 6 ² 161. 2 72. 6	156. 6 144. 5 77. 9	130. 9 138. 5 80. 2	113, 1 174, 3 82, 6	102. 9 169. 4 79. 6	91. 3 116. 2 79. 8	96. 4 103. 4 96. 2	92. 7 98. 9 93. 9	77.8 146.2 88.0	82. 2 172. 0 108. 0		94, 6 202, 6 76, 3
Poultry and eggsrel. to 1923-25	88. 0 259. 6	2 88. 6 573. 2	115. 6 405. 4	125, 6 197, 1	137. 0 78. 2	121. 8 61. 9	94. 0 50. 8	95. 0 25. 3	137. 8 57. 1	121. 6 34. 5	79. 2 79. 1	78. 2 30. 9	71. 6 360. 3
Wool. rel. to 1923–25. Total rel. to 1923–25. Crops:	94. 2	² 105. 2	118.0	106.7	101.2	94.0	85. 5	94.7	97.8	88.5	96. 7	91.2	91.
Cotton rel. to 1923-25 Fruits rel. to 1923-25 Control	29. 2 154. 1	² 22. 6 139. 3	9.1 88.8	28. 3 102. 2	29, 8 70, 6	38. 6 75. 1	45. 1 68. 1	64. 0 70. 2	144. 9 67. 1	240. 6 109. 0	327. 5 249. 0 82. 6		133.
Grains rel. to 1923–25 Vegetables rel. to 1923–25 Total rel. to 1923–25	135. 8 64. 1 86. 0	183. 2 103. 4 2 103. 1	68. 6 165. 8 55. 2	69. 0 135. 6 62. 0	63, 9 93, 3 53, 1	80. 0 104. 3 64. 4	84. 6 91. 1 66. 8	81. 0 98. 0 74. 3	79. 8 79. 4 105. 8	72. 3 89. 6 148. 8	168. 4 212. 1	139. 0 138. 8 175. 5	180, 3 81, 9 122,
Collections													
Delinquent accounts, electrical trade: Amountdollars	70, 681	98, 621	111, 183	91, 332	112, 843	138, 592	132, 609	112, 250	150, 349	96, 912	122, 150	93, 898	127, 00
Delinquent firmsnumber_	780	933	948	941	1, 258	1, 228	1, 141	1, 089	1,065	868	1, 101	939	1, 15
Forest Products (Marketing)													
Distilled wood rel. to 1923-25 Gum rel. to 1923-25 Lumber rel. to 1923-25	30. 0 141. 5 61. 7	28. 8 2 186. 7 2 61. 1	33. 5 189. 9	43. 3 136. 5	45.7 98.3	70. 5 39. 7 55. 4	65. 8 25. 5 51. 6	74. 2 37. 1 50. 5	67. 0 117. 7	67. 0 112. 9	143.1	158. 2	171, 62,
Pulpwood rel. to 1923–25 Total rel. to 1923–25	85, 3 65, 1	2 87. 7 2 65. 7	62. 1 96. 6 67. 5	62. 8 123. 1 68. 4	59, 1 117, 2 64, 0	118.3	103. 1 55. 9	110. 9 55. 9	50.7 115.6 58.0	57. 4 105. 4 62. 9	99. 3 68. 2	63. 9	76. 77.
Postal Business													
Air mail, weight dispatchedpounds. Money orders:		779, 105	781, 419	750, 960	750, 638	724, 617	642, 484	687, 560	767, 229	637, 062	2743, 705	705, 963	2 695, 31
Domestic, issued (50 cities)— Quantity thousands Value thous, of dolls		3, 501	3, 729	3, 766	3,828	4, 015	3, 567	3, 749	4, 165	3, 525	3, 662		3, 28
Domestic, paid (50 cities)—	•		36, 315	36, 006	37, 803	37, 250	33, 240	36, 352	39, 627	34, 525	35, 916		3, 28 33, 36
Quantity thousands Value thous of dolls Foreign, issued thous of dolls		9, 930 76, 365 4, 412	10, 734 79, 311 4, 348	10, 902 81, 956 4, 073	11, 562 90, 646 4, 442	11, 132 81, 747 5, 014	9, 701 70, 935 4, 032	10, 590 78, 273 4, 893	11, 716 91, 923 10, 443	10, 248 79, 934 5, 178	11, 514 90, 647 4, 996	79, 174	77, 67
Postal receipts: Total indexrel. to 1923-25_	1	92.9	99.4	104. 5	109.9	113. 1	100.1	110.3	145. 3	106. 2			98.
50 selected cities thous, of dolls thous of dolls thous of dolls	23, 389	24, 578 2, 903	26, 442 2, 957	27, 844 3, 047	29, 257 3, 268	30, 178 3, 284	26, 405 3, 215	29, 172 3, 466	38, 572 4, 418	28, 379 3, 028	32, 279	28, 764	25, 87
Retail Sales				ļ									
Department store sales, value of: United States, adjustedrel. to 1923-25.	90	2 91	95	97	106	97	98	97	94	98			10
United States, unadjusted_rel. to 1923-25_ Department store stocks, end of month:	- 68	65	90	97	101	92	80	79	165	113	112	103	7
United States, adjustedrel. to 1923-25_ United States, unadjusted_rel. to 1923-25_	- 79 - 76	81 75	82 80	83 85	83 87	84 87	86 81	88 78	91 85	92 104			8
Mail-order houses: Total sales, 2 housesthous, of dolls. Total sales, 2 housesrel. to 1923-25.	43,004	45, 093	49, 480 151	50, 070	52, 078 159	43,008 132	39, 422 121	41, 459 127	72, 486 222	55, 713 170	68, 878 211	54, 419 166	
Sears, Roebuck & Cothous. of dolls_ Montgomery, Ward & Co_thous. of dolls_	26, 597	138 29, 773 15, 320	30, 261 19, 219	153 31, 523 18, 547	31, 520 20, 558	25, 407 17, 601	24, 177	24, 839 16, 620	43, 814	33, 312	38, 785	33, 086	20, 71
	-0, 201	-, 040	, ==0	-,	555		, -10			,	,	- ,,	_ 2, 20

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
DISTRIBUTION MOVEMENT-Con.	!												
Retail Sales—Continued													
Restaurant chains: Childs Co.—													
Sales thous, of dolls Stores operated number	2, 030	1, 858 108	1, 847 109	1, 957 108	2, 059 110	2, 064 111	1,889 111	2,083 112	2, 277 112	2, 075 111	2, 259 111	2, 136 113	2, 173 113
J. R. Thompson Co.— Salesthous. of dolls	1, 301	1,086	1, 093	1, 262	1, 175	1, 2 08	1,082	1, 192	1, 246	1, 186	1, 287	1, 215	1, 208
Stores operatednumber	117	118	117	116	117	117	120	120	120	121	121	120	120
Sales thous, of dolls. Stores operated number. Total sales, 3 chains—	1, 248	1, 244 165	1, 245 162	1, 337 162	1, 360 160	1,351 160	1, 210 160	1, 295 152	1,379 152	1,338 147	1,338 145	1, 291 147	1, 261 146
Total thous. of dolls_stores operatednumber_Grocery chains:	4, 579	4, 188 391	4, 185 388	4, 496 386	4, 594 387	4, 623 388	4, 181 391	4, 570 384	4, 902 384	4, 599 379	4, 884 377	4, 642 380	4, 642 379
Atlantic & Pacific Tea Co.— Total salesthous, of dolls	74, 411	95, 528	80,851	102, 946	85, 160	82, 719	82,385	97, 559	81, 347	79,820	100, 960	77, 023	² 78, 367
Weekly average thous, of dolls.	18, 603	19, 106	20, 213	20, 589	21, 290	20, 680	20, 596	19, 512	20, 337	19, 955	20, 192	19, 256	19, 591
Tonnage sales tons Weekly average tons	399, 779 99, 945	513, 095 102, 619	454, 268 113, 567	563, 223 112, 645	454, 479 113, 620	435, 292 108, 823	439, 545 109, 886	508, 490 101, 980	416, 673 104, 168	400, 203 100, 051	481, 703 96, 341	569, 673 92, 418	373, 566 93, 392
Chain stores, sales: F. W. Woolworth & Co.— Sales.——thous, of dolls	21, 712	21,079	21,978	24, 117	23, 830	21,724	19, 386	19, 240	42, 320	24, 077	26, 422	22, 353	22, 055
Stores operatednumber F. & W. Grand—	1, 895	1,889	1,889	1,896	1,896	1,894	1,888	1,886	1,890	1,890	1,889	1,886	1, 881
Sales thous of dolls Stores operated number G. C. Murphy Co.—			1, 833 119	1, 825 118	2, 004 117	1, 664 116	1, 431 114	1,371 112	3, 545 112	1, 894 112	2, 026 111	1, 663 111	1, 669 108
Sales thous, of dolls Stores operated number	1, 519 172	1,475 170	1, 569 169	1, 549 168	1,588 168	1, 329 166	1, 204 166	1,221 166	3, 170 166	1, 579 165	1, 621 163	1, 344 162	1, 3 62 163
Isaac Silver & Bros.— Salesthous, of dolls Stores operatednumber			692 45	695 45	723 45	596 45	513 45	476 45	1, 421 45	673 45	693 44	566 45	608 45
J. C. Penny Co.— Sales. thous. of dolls. Stores operated. number.	13, 257	12,779	14,832	15, 450	15, 380	12, 443	9, 540	9, 725	23, 703	18, 937	19,860	15, 956	14, 399
McCrory Stores Corp.—	1, 456 3, 214	3,004	1,453	1, 453	1,454	1, 454 3, 381	1, 453 2, 946	1, 452 2, 903	1, 452 6, 783	1,452 3,617	1, 450 3, 606	1, 446 3, 278	1, 440 3, 406
Sales thous. of dolls Stores operated number Metropolitan—	243	242	3, 240 243	3, 412 243	3, 703 243	242	242	2, 903	242	242	241	240	240
Sales thous, of dolls. Stores operated number	518 83	558 83	702 83	713 84	722 91	508 93	445 94	487 95	1, 606 95	724 95	699 95	621 95	661 95
S. H. Kress & Co.— Salesthous, of dolls_ Stores operatednumber_	5, 286 218	5, 104 218	5, 467 217	5, 469 216	5, 761 216	5, 259 213	4, 487 211	4, 400 211	12, 061 213	5, 528 213	5, 716 213	5, 478 211	5, 125 211
S. S. Kresge Co.— Sales————thous, of dolls.								9,825	23, 982	12, 503	12,853	11, 265 665	11, 410 656
Stores operated number W. T. Grant Co.— Sales thous. of dolls	5, 395	5, 227	6, 289	6, 606	6, 402	5, 334	4, 347	681 4, 110	678	6,677	668 7, 084	5, 286	5, 383
Stores operatednumber_ Miscellaneous chain group: Five and Ten—	381	375	371	367	364	354	350	350	348	346	340	318	309
Actual rel. to 1923-25. Adjusted for seasonal rel. to 1923-25.	142 15. 8	139 147. 3	147 160. 6	155 166. 7	160 167, 9	144 158. 7	127 162, 5	124 160. 8	298 153. 2	159 158. 3	168 151. 0	147 156, 0	146 163. 0
Warehouses													
Public merchandising warehouses, space occupiedp. ct. of total_		63. 9	2 64. 7	65.8	65. 9	66. 8	67. 9	68. 9	70. 4	69. 9	68.8	68. 4	68.4
FOREIGN TRADE													
Canadian													
Total trade: Exports	49, 894 47, 308	50, 641 48, 379	55, 320 52, 508	60, 845 73, 457	34, 674 51, 189	56, 296 75, 348	44, 914 50, 994	45, 634 50, 414		74, 592 76, 325	84, 298 78, 358	82, 190 87, 900	70, 613 77, 90s
United States Exports:													
Grand total, including reexportsthous, of dolls	165, 000	² 180, 6 70	187,190	203, 991	214, 888	235, 881	224, 413	249, 646	275, 193	289, 021	327, 120	311,889	298, 118
Grand total, including reexports, indexrel. to 1923-25_	43. 5	2 47. 6	49.3	53. 7	56.6	62.1	59. 1	65. 8	72. 5	76.1	86. 2	82. 1	78. 5
By grand divisions— Africa, total————thous, of dolls— Asia and Oceania—		5, 070	4, 648	6, 129	4, 925	4, 923	4,954	5, 514	5, 635	6, 588	6, 272	6, 460	7, 523
Totalthous. of dolls_ Japanthous. of dolls_		34,660 10,885	30, 277 8, 798	33, 420 11, 201	36, 202 14, 230	38, 913 17, 995	33, 252 11, 257	35, 431 14, 743	42, 279 12, 593	39, 219 12, 425	44, 204 11, 249	41, 268 15, 025	33, 641 8, 821
Europe— Totalthous, of dolls		79, 977	88, 149	89, 576	94, 320	113, 838	117, 938	131, 699	141, 621	155, 227	174, 652	158, 717	143, 262
Francethous, of dells_ Germanythous, of dolls_ Italythous, of dolls_	.	7, 392 8, 286	8, 688 10, 819 3, 622	10, 121 13, 153	11, 329 12, 282	12, 456 19, 195	13, 564 16, 960	16, 676 17, 015	19, 172 20, 326	22, 094 23, 686	23, 683 31, 507	20, 069 32, 912	16, 152 22, 784
United Kingdom, thous, of dolls, North America—		3, 757 32, 564	3, 622 30, 915	3, 887 34, 238	3, 884 33, 344	5, 691 39, 706	4, 168 38, 626	5, 260 49, 744	8, 625 53, 871	7, 582 61, 094	8, 924 71, 918	8, 105 57, 841	5, 775 53, 928
Totalthous, of dolls_ Canadathous, of dolls_		48, 018 32, 677	51, 247 35, 030	59, 581 41, 664	62, 974 44, 851	63, 068 41, 850	52, 762 35, 305	56, 952 33, 657	61, 921 36, 326	64, 471 41, 689	76, 175 49, 165	79, 533 52, 070	82, 945 53, 695
South America— Total————thous, of dolls— Argentina——thous, of dolls—		12, 945 4, 706	12, 869 4, 295	15, 286 5, 583	16, 467 5, 803	15, 139 4, 512	15, 508 4, 922	20, 049 5, 467	23, 737 8, 801	23, 516 8, 728	25, 817 10, 361	25, 911 9, 776	25, 744 9, 741
² Revised.		-, , , , ,	-, -0.,	, ., ., ., .,	,	-,	,	-, -01		_,	,	. ,	.,

${\bf MONTHLY\ BUSINESS\ STATISTICS} \color{red}{--} Continued$

Fartier data for items about here may		·		19	931	 					1930		
Earlier data for items shown here may be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FOREIGN TRADE—Continued													
United States—Continued													
Grand total, including exports, index—Con. By economic classes—		ļ I											
Total domestic exports onlythous, of dolls_ Crude materialsthous, of dolls_	161, 507 25, 510	² 176, 983 ² 28, 378	² 182, 987 ² 29, 070	2 199, 205 2 36, 484	210,061 4 0, 149		220,666 47,660	245, 771 58, 625	270, 810 76, 735	285, 441 90, 930	322, 941 104, 829	307, 945 94, 268	293, 899 53, 156
Foodstuffs, crude, and food animalsthous. of dolls	9, 981	13, 999	11, 119	² 10, 546	8, 626	9, 583	7, 316	8, 487	13, 462	15, 592	15, 228	18, 183	24, 161
Manufactured food- stuffsthous, of dolls Finished manufactures thous, of dolls	18, 081 84, 072	² 18, 306 ² 88, 346	17, 531 297, 736	18, 868 2 103, 416	19, 593 110, 768	23, 381 110, 256	22, 165 116, 110	27, 039 117, 053	27, 033 119, 670	29, 992 115, 802	32, 143 132, 729	27, 825 130, 569	28, 31 7 147, 505
Semifinished manufac- tures thous, of dolls. Agricultural exports (quantities)—	23, 863	² 27, 953	2 27, 451	2 29, 891	30, 925	31, 429	27, 415	34, 567	33, 910	33, 125	38, 012	37, 099	40, 760
All commoditiesrel. to 1910-14_ All commodities (except	1	63	58	66	68	87	71	85	109	126	137	124	87
cotton) rel. to 1910-14. Imports: Grand total thous, of dolls.		96 2174 481	86 173, 673	89 179, 694	81 185, 706	86 210, 200	82 175, 108	95 183, 132	105 208, 721	116 203, 713	127 247, 322	226, 352	130 218, 417
Grand total indexrel. to 1923-25 By grand divisions—	51.6	54.0	53.8	55. 6	57.5	65. 1	54. 2	56.7	64.6	63. 1	76.6	70.1	67.6
Africa, totalthous, of dolls Asia and Oceania— Totalthous, of dolls	1	2, 384 48, 772	2, 773 52, 757	49, 964	3, 778 53, 180	3, 052 59, 552	2, 344 50, 183	3, 500 56, 024	3, 353 64, 941	3, 938	4, 310 73, 909	4, 257 62, 020	4, 696 68, 789
Japanthous, of dolls		16, 057 51, 359	14, 988 47, 480	15, 580	12, 183	18, 454	16, 255	19, 711	27, 208	19, 620 56, 560	30, 577 77, 530	23, 232 73, 423	25, 249 63, 495
Francethous, of dolls		5, 459 11, 734	5, 516 8, 937	51, 841 6, 143 9, 512	53, 387 6, 250 11, 249	62, 174 6, 598 13, 434	51, 172 6, 880 9, 486	52, 940 5, 881 10, 682	56, 661 7, 275 11, 619	8, 227 11, 166	11, 673 17, 358	10, 351 14, 050	8, 806 14, 334
Italythous, of dolls United Kingdomthous, of dolls North America		4, 138 10, 951	4, 269 11, 000	4, 627 12, 354	5, 741 11, 561	6, 192 13, 033	5, 128 11, 970	3, 724 10, 913	5, 252 11, 468	6, 353 15, 289	6, 461 17, 743	4, 976 17, 017	4, 546 13, 840
Total thous, of dolls Canada theus, of dolls.		47, 827 22, 341	44, 456 22, 854	45, 177 24, 110	46, 484 23, 757	50, 230 24, 148	42, 294 21, 454	43, 858 23, 534	53, 2°7 26, 139	54, 526 30, 279	62, 158 34, 306	58, 584 32, 508	65, 129 29, 286
South America— Totalthous, of dolls Argentinathous, of dolls		24, 133 3, 042	26, 068 2, 645	28, 844 3, 215	26, 917 2, 638	34, 599 3, 506	29, 115 2, 849	26, 928 2, 356	30, 509 2, 519	26, 657 2, 370	30, 388 2, 639	28, 028 3, 396	26, 279 3, 341
By economic classes— Total thous, of dolls— Crude materials thous, of dolls—	1	² 174, 481 ² 49, 960	173, 673 52, 416	179, 694 54, 160	185, 706 54, 702	210, 200 64, 607	175, 108 56, 357	183, 132 59, 318	208, 721 69, 079	203, 713 59, 243	247, 322 77, 487	223, 352 75, 393	218. 417 72, 617
Foodstuffs, crude, and food animals thous, of dolls. Manufactured food-		25, 944	27, 435	30, 774	28, 912	33, 020	28, 314	27, 363	30, 029	27, 337	32, 849	27, 582	26, 598
Manufactured food- stuffsthous, of dolls_ Finished manufactures, thous, of dolls_	23, 541 45, 296	21, 130 2 47, 458	19, 744 44, 276	18, 850 45, 527	22, 985 45, 734	23, 558 49, 226	17, 737 41, 168	14, 644 44, 947	22, 312 49, 172	71, 045 57, 826	23, 145 68, 321	20, 600 61, 791	17, 210 57, 797
Semifinished manufac- turesthous, of dolls	28, 310	229, 988	29, 803	30, 382	33, 373	39, 789	31, 532	36, 860	38, 129	38, 262	45, 520	40, 986	44, 196
EMPLOYMENT AND WAGES							ı						ļ
Employment Factory imployment adjusted (Fed Res Rd):										, !			
Factory'employment, adjusted (Fed. Res. Bd.): Total rel. to 1923-25. Cement, clay, and glass rel. to 1923-25. Chemicals—	74. 1 60. 1	75. 1 62. 7	76. 0 64. 4	77. 8 65. 4	78. 0 65. 2	77. 9 65. 2	77. 8 65. 0	78.3 64.4	80. 1 68. 6	81. 1 70. 0	82. 2 71. 4	83. 4 71. 7	84. 4 71. 4
Grouprel. to 1923-25_ Petroleum, refinedrel. to 1923-25_ Iron and steelrel. to 1923-25_	86. 6 84. 8 70. 3	89. 4 87. 1 72. 1	89. 6 90. 2 72. 6	93. 0 94. 5 74. 8	91. 7 94. 0 76. 5	89. 8 87. 2 76. 6	94. 5 97. 4 75. 9	96. 6 99. 7 77. 5	97. 9 100. 8 79. 1	98. 3 100. 8 80. 2	101. 1 104. 3 81. 3	102. 3 106. 6 81. 7	104. 4 110. 1 83. 9
Leather and its products_rel. to 1923-25_ Lumber and its products_rel. to 1923-25_ Machineryrel. to 1923-25_	84. 3 51. 1 67. 8	84. 8 52. 0	83. 9 54. 4	84. 2 55. 4	84.0 55.4	82. 2 55. 7	78. 4 56. 3 80. 6	77. 1 56. 3	76. 6 58. 8 84. 2	77. 4 60. 4 85. 7	80, 2 62, 1 88, 0	82. 7 62. 4 90. 2	85. 1 65. 1 90. 8
Nonferrous metalsrel. to 1923–25_ Paper and printingrel. to 1923–25_	63. 1 93. 0	70. 3 64. 2 93. 0	73. 4 65. 4 93. 6	76. 3 66. 6 95. 3	78. 0 66. 5 95. 0	79. 3 66. 6 94. 7	66. 8 94. 9	81. 9 69. 2 95. 6	71. 2 96. 7	71. 8 97. 0	72. 6 98. 4	73. 6 99. 0	76. 1 101. 1
Rubber productsrel. to 1923–25	80.9	73. 8 79. 6 81. 4	75. 7 78. 6 80. 4	74. 0 81. 2 82. 1	70. 5 80. 2 82. 1	68. 4 79. 7 83. 4	71. 4 77. 2 84. 6	73. 7 75. 5 81. 3	74. 7 77. 4 83. 5	75. 2 79. 4 82. 0	75. 4 80. 7 83. 5	75. 3 82. 4 85. 1	80. 0 81. 0 84. 1
Transportation— Group————rel. to 1923–25—	58.3	60. 2	62. 4	63. 2	63. 8	64. 3	64. 9	67. 1	69.4	68. 6	67. 2 69. 6	69. 7 71. 1	71. 7 74. 8
Automobiles rel. to 1923-25. Nonmanufacturing industries: Anthracite mining rel. to 1929.	67. 3	67. 6 65. 1	70. 7 76. 1	70. 9 80. 3	70. 3 85. 2	70. 2 82. 0	68. 8 89. 5	72. 3 90. 6	78. 9 99. 1	76. 4 97. 2	99. 0	93.8	80. 2
Bituminous coal miningrel. to 1929_ Metalliferous miningrel. to 1929_ Quarrying and nonmetallic mining	77. 0 55. 8	76. 4 56. 2	78. 4 60. 0	82. 4 62. 4	85. 9 63. 9	88. 8 63. 5	91, 5 65, 3	93. 9 68. 3	92. 5 70. 1	92. 5 72. 8	91. 8 77. 2	90. 5	89. 2 79. 0
rei. to 1929 Crude petroleum producing rel. to 1929 Telephone and telegraph rel. to 1929 Power, light, and water rel. to 1929	68. 9	71. 0 65. 3 86. 6 96. 7	72. 3 65. 0 86. 9 97. 2	75. 0 67. 8 87. 4 97. 6	76. 1 69. 8 88. 1 97. 1	70, 0 72, 2 88, 6 96, 7	66. 6 73. 2 89. 2 97. 8	64, 4 74, 8 90, 5 99, 2	70. 2 77. 4 91. 6 103. 2	78. 3 83. 6 93. 0 103. 4	84.7 85.2 94.5 104.8	87. 7 85. 0 96. 8 105. 2	89. 3 87. 7 98. 8 106. 4
Operation and maintenance of electric railroads rel. to 1929. Wholesale trade rel. to 1929.	84. 8 86. 5	85. 6 86. 8	85. 3 87. 1	85. 9 87. 1	86. 8 87. 4	86. 4 87. 4	86. 6 88. 2	86. 9 89. 5	88. 8 92. 0	89.3 92.6	91. 0 94. 2	91. 8 94. 8	92. 9 95. 0
Retail traderel_ to 1929_ Hotelsrel_ to 1929_	81. 8 92. 8	83. 9 93. 3	89. 1 91. 6	89. 9 92. 5	90. 1 95. 9	87. 8 96. 8	87. 1 96. 8	90. 0 95. 0	115. 1 93. 5	98. 4 95. 2 96. 7	95. 5 97. 5	92. 0 100. 1	85, 6 101, 5
Canning and preservingrel. to 1929_ Employees on pay roll, unadjusted: Clevelandrel. to Jan., 1921_	142. 9 81. 3	102. 2 80. 3	70. 6 83. 8	56. 0 86. 9	59. 6 88. 8	53. 0 90. 0	48.3 90.0	48, 9 89, 8	61. 6 87. 9	87.4	164.7 91.6	246. 6 92. 0	185. 7 96. 1
Delaware	83. 2 50. 0 70. 1	84. 4 61. 8 70. 5	85. 6 73. 2 72. 3	86. 3 80. 4 74. 5	86, 9 83, 5 75, 6	88. 1 83. 0 76. 6	87. 6 81. 2 76. 5	87. 1 76. 5 76. 3	86. 7 40. 0 77. 5	87. 9 75. 8 77. 7	94.0 79.0 80.2	98. 5 74. 8 82. 9	101. 6 83. 0 84. 9
Iowarel. to 1923 Massachusettsrel. to 1925-27	109. 1 69. 1	108. 7 67. 6	110. 1 69. 0	110. I 70. 8	111. 0 72. 2 76. 2	112.5 71.9	114.6 71.2	113. 8 69. 4	117. 2 69. 9	117. 7 73. 2	114. 3 75. 4	115. 1 76. 2	117. 2 75. 7
New Jersey rel. to 1923-25.	73.0	72. 5 72. 6 64. 2	73. 8 73. 6 65. 6	75. 9 75. 3 67. 6	76. 2 75. 7 69. 0	76. 2 77. 0 69. 6	75. 5 77. 4 68. 5	73. 6 77. 9 67. 5	76. 7 82. 2 69. 3	78. 8 85. 8 72. 0	81. 6 88. 2 74. 3	83. 4 88. 0 75. 6	82. 0 84. 2 73. 9
New York State rel. to 1923 New York State number Ohio rel. to 1926	353, 895	355, 504 78. 2	362, 885 81, 3	373, 993 82. 7	382, 045 83, 0	384, 983 82. 4	379, 089 80. 9	373, 304 79, 8	383, 518 81. 9	398, 424 82. 1	411, 333 85, 1	418, 262 88, 2	408, 895 89. 3
Oklahomanumber . Pennsylvaniarel. to 1923–25 . Wisconsinrel. to 1925–27 .	.j 72.9	72. 5 79. 6	74. 8 76. 7	77. 4 78. 1	27, 340 79, 4 77, 9	26, 363 79. 8 78. 2	28, 110 80. 2 77. 6	28, 487 78. 9 76. 9	30, 076 81. 7 77. 5	32, 294 84. 7 78. 5	33, 342 86. 4 81. 3	35, 058 87. 5 83. 1	35, 139 86, 6 85, 2

² Revised.

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
EMPLOYMENT AND WAGES-Con.													
Employment—Continued													
Anthracite mines, employment.rel. to 1923-25 Applicants per 100 jobs, employment agencies:	6 5. 5	63. 4	74. 2	78, 3	82. 9	79, 9	87. 1	88.3	96. 5	94. 7	96. 2	91. 9	81.7
Canada number United States number Central States number number		209 247	206 205 246	165 181 206	151 177 199	147 179 215	141 202 232	156 224 261	133 218 233	189 227 251	211 193 240	159 170 222	145 177 204
Eastern Statesnumber_ Southern Statesnumber_		235 265	221 227 277	187 345	181 237	202 215	209 265	254 293	239 314	231 344	192 277	181 201	214 252
Western States number. Illinois number.	244	94 2 250	84 245	66 218	80 215	75 228	89 250	91 331	103 270	123 280	74 278	71 230	79 234
Wisconsinnumber_ Employment Trade Unions:		186	212	197	172	197	250	230	191	210	178	188	162
Canadap. ct. of total membership_ United States_p. ct. of total membership_	74. 0	74. 0	83. 7 75. 0	83. 8 75. 0	85. 1 75. 0	84. 5 74. 0	84. 4 73. 0	84. 0 73. 0	83. 0 77. 0	86. 2 78. 0	89. 2 79. 0	90. 6 79. 0	90. 7 78. 0
Employment, Canadarel. to 1926 Factories, time operated:	105. 2	103. 8	103. 6	102. 2	99. 7	100. 2 91	100. 7	101. 7	108. 5	112. 9	116. 2 92	116. 6 92	118.8
Totalp. ct. of full time	ĺ	92	95	96	97	96	95	95	95	95	97	96	96
productsp. ct. of full time_ Food and kindred prod- uctsp. ct. of full time_	1	96	95	96	96	96	96	97	97	97	98	98	97
Leather and its finished productsp. ct. of full time_	İ	92	90	91	92	91	92	89	87	84	90	91	93
Lumber and its manu- facturesp. ct. of full time.	İ	84	85	85	86	85	84	83	84	86	89	89	88
Iron and steel and their productsp. ct. of full time.		76	77	79	80	80	80	80	80	80	83	84	85
Nonferrous metalsp. ct. of full time. Paper and printingp. ct. of full time. Stone, clay, and glass		84 93	84 94	85 95	86 95	87 96	87 95	86 95	86 96	87 96	89 97	90 96	89 96
productsp. ct. of full time Textiles and their prod-		90	90	91	91	91	90	90	90	91	93	92	92
uctsp. ct. of full time Tobacco manufacturesp. ct. of full time		92 87	92 87	93 87	93 86	94 87	93 85	90 88	90 91	91 89	92 90	90 90	89 92
Vehicles for land trans- portationp. ct. of full time	1	89	91	92	92	91	91	89	91	91	93	93	93
Miscellaneous indus- triesp. ct. of full time-		85	86	88	88	87	87	88	88	88	90	91	90
Federal Civilian Employees (Washington)		71,658	71,693	72,417	72, 297	71,917	71, 162	71, 252	71, 189	71,052	70, 790	70, 598	70, 197
Hours of work in factories: Actual hours per week Nominal hours per week		39. 9 48. 0	40. 9	42. 7 48. 0	41.7	41.8	42.3	40. 2 48. 0	41.6				
Labor disputes:	i	ĺ	47. 9 2 98	249	48.0 239	48. 2	47. 9	20	48.3	29	36	44	33
Disputesnumber_ Man-days lost in monthnumber_ Workers involvednumber_		877, 789 68, 282	2603, 953 2 25, 334	2 402, 437 2 15, 735	769, 720 22, 604	422, 545 28, 139	228, 329 12, 512	181,031 2,927	194, 455 5, 144	273, 608 7, 759	335, 916 16, 007	208, 184 13, 778	142, 738 7, 131
Labor turnover: Accessionsp. et. of no. on pay roll	30.6	35. 5	29.3	32, 8	37. 2	43. 2	36.8	35.0	25.1	24.9	30. 1	39.8	31.9
Separations— Total———p. ct. of no. on pay roll—	43. 2	54.9	61.9	45.1	41.6	34.8	35.0	33. 9 2. 2	44.6	47.6	52. 9 3. 8	60.9	67.7
Dischargesp. ct. of no. on pay roll Lay-offsp. ct. of no. on pay roll Voluntary	2. 6 28. 2	2. 9 39. 1	2. 8 46. 7	3. 3 28. 6	3. 8 23. 9	3. 1 20. 6	2. 6 22. 8	23. 0	2. 5 32. 2	2. 9 33. 7	33. 9	4. 4 38. 2	4. 2 47. 0
quitsp. ct. of no. on pay roll_ Ohio construction, employ-	12.4	12.9	12. 4	13. 2	13.9	11.1	9.6	8.7	9.9	11.0	15, 2	18.3	16.5
ment rel. to 1926. Railways, employees on pay roll_thousands_		62.8	63. 3 1, 317	61. 3 1, 337	60.0 1,331	53.7 1,319	51. 9 1, 316	49. 4 1, 334	59. 8 1, 357	72.0 1,394	82. 6 1, 455	87.7 1,486	96. 6 1, 514
Wages			,,,,,	,,,,,,	,,	,,,,,,	, -,	,,,,,,	, , , , , ,	, -,	,		,
Anthracite mines, pay rollrel. to 1923-25	47.8	45.6	56. 5	64. 6	63.8	55.7	79.8	75. 8	85.0	83. 2	102. 3	78. 2	68. 2
Factory pay rolls (Fed. Res. Bd.): Totalrel. to 1923-25 Cement, clay, and glassrel. to 1923-25	64.3 48.1	64. 4 49. 4	67. 6 54. 4	72. 1 56. 7	73. 6 55. 7	74. 9 54. 0	73. 2 51, 4	68. 4 46. 6	73. 7 56. 3	75. 1 60. 9	80. 8 66. 4	83. 0 66. 4	81. 7 66. 4
Chemicals— Grouprel. to 1923–25_ Petroleum refiningrel. to 1923–25_	80.4	82.9	84.1	88. 4	92.0	89.8	92.9	90. 4	94.7	96. 1	99. 9	101.3	100.7
Iron and steelrel. to 1923-25	85.6 50.6	89. 6 52. 4	91. 1 57. 6	96. 1 64. 9	96. 7 69. 1	90. 8 70. 0	100. 8 67. 5	99. 3 62. 4	101. 4 66. 7	103. 2 68. 9	109.3 75.8	113. 8 75. 4	117. 2 77. 5
Leather and its products_rel. to 1923-25_ Lumber and its products_rel. to 1923-25_	75. 5 41. 3	72. 6 41. 7	66. 7 44. 6	68.7 45.7	70.6 44.9	73. 4 46. 2	68. 8 45. 6	60. 6 44. 0	58. 1 50. 4	55. 0 54. 7	69. 7 60. 4	76. 2 60. 9	80.0 61.6
Machineryrel. to 1923–25 _ Nonferrous metalsrel. to 1923–25 _	55, 2 52, 9	57. 4 54. 5	62. 4 59. 1	67. 8 63. 4	69. 7 65. 4	72. 0 66. 3	71. 9 64. 4	69. 9 64. 1	75. 0 67. 9	75. 1 67. 3	81.4 69.4	84. 2 70. 7	2 85. 6 72. 0
Paper and printingrel, to 1923-25_ Rubber productsrel, to 1923-25_	93. 1 62. 2	93. 6 64. 0	96. 6 72. 4	100. 0 71. 0	100. 6 66. 8	101, 9 63, 2	100. 7 63. 8	101.3 63.8	105.7 62.6	105. 0 58. 7	105. 4 65. 9	106.3 71.8	106, 9 77, 6
Textilesrel. to 1923-25_ Tobacco productsrel. to 1923-25_ Transportation—	70. 2 66. 3	65. 9 67. 5	66. 7 68. 6	71.7 68.3	76. 8 65. 7	81. 9 68. 3	76. 9 65. 3	68. 4 64. 3	72. 2 77. 7	73. 4 76. 8	80. 3 78. 0	81. 2 80. 0	73, 2 77, 2
Grouprel. to 1923-25 Automobilerel. to 1923-25	50. 9 50. 4	52. 7 53. 2	58. 8 62. 1	66, 1 75, 6	65. 3 70. 8	64. 1 67. 7	62. 2 61. 1	51.8 40.0	60. 8 55. 5	60. 8 57. 4	62. 8 58. 4	66. 0 62. 4	66. 3 58. 1
Nonmanufacturing industries: Anthracite miningrel. to 1929	56.4	53.7	66.7	76. 1	75. 2	71.3	101.9	89.3	100.0	98.0	117. 2	91.6	78.8
Bituminous coal mining rel. to 1929. Metalliferous mining rel. to 1929. Quarrying and nonmetallic	50.6 40.2	50. 4 41. 3	52. 4 46. 1	54. 4 49. 3	58. 6 51. 4	65, 2 52, 8	68. 3 54. 6	73. 3 55. 0	77. 7 59. 9	79. 1 63. 4	79. 4 68. 6	74. 9 69. 9	71. 1 71. 0
miningrel. to 1929 Crude petroleum producing _rel. to 1929	55. 1 56. 3	57.3 59.2	60. 1 62. 7	62.3 64.7	62. 6 66. 3	58. 2 73. 2	54. 4 70. 0	50. 4 71. 5	59. 9 77. 2	66. 8 80. 0	79. 3 82. 6	82. 5 84. 0	85. 8 86. 0
Telephone and telegraphrel. to 1929. Power, light, and waterrel. to 1929. Operation and maintenance of	92. 3 96. 2	93. 3 97. 4	95. 0 98. 3	94. 1 98. 7	95. 0 97. 6	97. 9 102. 4	94. 8 99. 7	96. 3 98. 6	101.3 106.3	97. 7 103. 7	100. 9 105. 6	102. 2 106. 1	102. 5 106. 6
electric railroadsrel. to 1929_ Wholesale traderel. to 1929_	81. 9 82. 1	83. 3 83. 3	84. 8 84. 1	85. 1 84. 7	86. 6 85. 2	88. 1 89. 1	87. 1 88. 4		88, 6 91, 3	87. 7 91. 0	89. 9 92. 9	90. 5 93. 6	92, 1 93, 6
Retail traderel. to 1929 Hotelsrel. to 1929	80.3 83.8	83. 3 85. 2	87. 6 85. 4	88. 0 87. 7	88. 3 89. 9	87. 5 93. 4	86. 7 93. 7	89.4 91.0	107. 7 91. 5	96. 8 93. 6	95, 1 95, 5	92. 4 97. 1	87. 6 98. 6
Canning and preservingrel. to 1929 Farm wages, without board	104.7	74.2	58, 6	56.0	57.1	50.3	48.6		57.4	82, 9	140.0	214.8	172. 0
dolls, per month.		·	\$ 37.00		١	8 38. 37	I	.!	3 39, 04	1	l	8 44. 28	

Revised.

* Quarter ending in month indicated.

Earlier data for items shown here may					1931						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
EMPLOYMENT AND WAGES—Con. Wages—Continued													
Industrial pay rolls: Total, monthly— Delawarerel. to 1923-25.	68. 9	68. 7 70. 8	78. 0	81. 1	79. 7	81. 7	79. 9	77. 0 77. 5	78.7	78. 1 87. 7	87. 1 93. 4	89. 7 93. 0	93, 2 89, 3
New Jorsey rel. to 1923-25. New York rel. to 1923-25. Pennsylvania rel. to 1923-25. Wisconsin rel. to 1925-27. Weekly	70. 7 61. 6 56. 1	62. 9 55. 6 61. 0	72. 0 63. 2 60. 6 64. 2	76. 3 66. 6 64. 9 67. 2	76. 1 69. 1 69. 5 68. 2	77. 3 71. 1 68. 4 68. 8	78. 6 68. 8 68. 3 65. 8	66. 7 66. 2 69. 0	83. 4 69. 7 71. 3 63. 9	72. 2 74. 8 66. 2	76. 2 80. 7 73. 0	80. 0 81. 4 72. 3	77. ± 82. 0 73. u
New York Statethous. of dolls. Oklahomathous. of dolls. Road building, wages of common labor: United States averagecents per hour.	9, 279	9, 347	9, 524	19, 046	10, 414 682 25	10, 723 679 37	10, 365 711 36	10, 048 730 36	10, 513 808 37	10, 883 869 38	11, 489 836 39	12, 061 944 40	11,631 958 39
East North Central section cents per hour East South Central section cents per hour	35 19	35 20	36 20	37 21	36 20	41 21	33 22	37 21	37 22	37 24	38 24	38 24	37 2 8
Middle Atlantic sectioncents per hour Mountain sectioncents per hour New England sectioncents per hour Pacific sectioncents per hour South Atlantic sectioncents per hour West North Central section	37 47 44 50 20	36 45 45 51 22	36 46 44 51 21	38 45 45 50 21	38 43 47 51 22	41 44 48 52 24	39 42 48 51 24	40 44 48 51 20	41 45 51 51 22	40 47 50 52 22	41 48 49 53 22	42 48 50 53 23	42 46 50 50 29
cents per hour_ West South Central section cents per hour Railways, average hourly wagesdollars	35 22	35 20	36 20 . 6 59	36 22 . 664	36 21 . 664	37 23 . 669	36 28 . 689	37 26 . 670	37 28 . 670	35 26 . 679	38 27 . 659	37 27 . 664	36 26 . 697
U. S. Steel Corpn., wage rates_cents per hour Weekly earnings of factory labor: United States, totals, 23 industries—	50 22, 49	50 22. 34	50 23. 07	50 24, 25	23. 82	50 23, 93	50 24, 29	50 23. 07	50 24. 03	50	50	50	50
Grand totaldollars. Grand totalrel to 1923. Men	84. 5 23. 81 83. 0	84. 0 23. 65 82. 5	86. 7 24. 42 85. 1	91. 1 25. 76 89. 8	89. 5 25. 35 88. 4	89. 9 25. 32 88. 3	91. 3 25. 83 90. i	86. 7 24. 45 85. 3	90. 3 25. 55 89. 1		· · · · · · · · · · · · · · · · · · ·		
Skilled	24. 76 80. 4 18. 86 81. 6 14. 78 85. 7	24. 89 80. 8 18. 92 84. 9 14. 79 85. 8	25. 71 83. 4 19. 55 87. 7 15. 17 88. 0	27. 04 87. 8 20. 75 93. 1 15. 37 89. 2	26. 49 86. 0 20. 46 91. 8 15. 22 88. 3	26. 49 86. 0 20. 78 93. 3 15. 62 90. 6	26. 91 87. 3 20. 89 93. 8 15. 33 88. 9	25. 89 84. 0 19. 77 88. 7 14. 79 85. 8	86. 7 20. 46				
Totals by States	23, 70 83, 5 26, 23 96, 3	23. 86 84. 1 26. 30 96. 5	23. 93 84. 3 26. 25 93. 4	24, 54 86, 5 26, 87 98, 6	24. 99 88. 1 27. 27 100. 1 24. 95 22. 26	25. 13 88. 6 27. 87 102. 3 25. 73 22. 69	25. 29 89. 1 27. 35 100. 4 25. 28 21. 64	24, 25 85, 5 26, 92 98, 8 25, 61 19, 70	25. 09 88. 4 27. 42 100. 7 26. 87 20. 84	25. 31 89. 2 27. 32 100. 3 26. 91 21. 33	26. 42 93. 1 27. 94 102. 6 25. 06 22. 89	26. 43 93. 1 28. 84 105. 9 26. 92 22. 16	26, 45 93, 2 28, 45 104, 4 27, 27 22, 21
Wisconsin dollars Wisconsin rel. to 1925-27 Youngstown district, wages of steel workers p. ct. of base scale.	127. 0	75. 7 127. 0	82. 8 127. 0	84. 9 127. 0	86. 7 127. 0	88. 1 127. 0	84. 3 127. 0	76. 5 127. 0	81. 1 127. 0	84. 1 127. 0	89. 0 127. 0	85. 6 127. 0	86. 0 127. 0
CONSTRUCTION Building Costs									N. Marcon proprieta de la compansa d		And Annual Annua		
Building costs (A. G. C.), 1st of month rel. to 1913. Building costs (E. N. R.) 1st of month rel. to 1913. Building materials: Brick house, 6-rm., 1st of month	171.4	195 174. 4	196 187. 4	197 189. 3	199 191. 6	199 194. 5	200 196. 6	199 194, 5	199 196, 9	199 198. 5	200 198. 7	198 199. 6	198 201. €
rel. to 1913 Frame house, 6-rm., 1st of month rel. to 1913 Construction costs (Am. Appraisal):	1	164 155	166 158	167 160	167 157	170 163	171 165	170	174 168	172 165	176 171	174 168	175 198
Brick, steel frame. rel. to 1913. Brick, wood frame. rel. to 1913. Frame rel. to 1913. Reinforced concrete. rel. to 1913. Factory costs (quarterly) (Aber-	160 165	165 177 162 166	166 179 165 168	166 180 166 169	172 186 172 175	178 192 178 181	179 194 179 182	179 194 179 182	179 196 182 184	180 196 183 185	186 202 188 190	188 206 191 193 3 185	190 208 194 195
thaw) rel. to 1914. Building volume (A. G. C.) rel. to 1913. Construction Contracts Awarded		140	176 137	107	87	* 181 78	99	95	3 185 123	173	186	199	206
Total construction, adjusted, F. R. Brel. to 1923-1925. Total construction, all types: F. W. Dodge Corp.—		² 61	64	66	73	77	79	71	73	76	78	81	\$1
F. W. Dodge Corp.— Projects.——number Floor spacethous, of sq. ft. Valuation.——thous, of dolls. Public works and utilities: Projectsnumber	į.	10, 663 33, 812 285, 997 2, 048	10, 806 35, 001 331, 880 2, 030	11, 506 38, 941 306, 079 2, 141	11, 888 39, 380 336, 925 1, 907	10, 788 37, 955 369, 981 1, 681	7, 629 28, 339 235, 405 1, 080	6, 911 24, 635 227, 956 978	7, 391 29, 055 249, 436 1, 009	9, 127 33, 039 253, 574 1, 292	12, 158 39, 484 336, 796 2, 017	11, 455 41, 193 331, 864 2, 146	11, 621 39, 760 346, 644 2, 076
Projectsnumber. Floor spacethous. of sq. ft. Valuationthous. of dolls. Residential buildings, all types: Projectsnumber. Floor spacethous. of sq. ft.	72,964	1, 233 116, 265 5, 658	2, 367 154, 512 5, 972	387 108, 948 6, 652	785 132, 993 7, 221	522 151, 722 6, 486	246 78, 643 4, 520	393 95, 211 4, 056	78, 621 4, 340	76, 378 5, 368	339 112, 966 6, 822	1, 484 109, 092 6, 097 19, 688	1, 297 126, 722 5, 979
Valuation	60, 203 26, 143	15, 889 63, 893 28, 055 148, 784	16, 913 72, 745 29, 793 125, 737	21, 911 88, 900 36, 896 122, 036	22, 633 95, 896 22, 708 176, 075	22, 090 100, 913 27, 312 168, 925	16, 559 77, 918 25, 930 83, 837	12, 235 54, 376 20, 299 116, 535	14, 705 70, 911 24, 542 99, 616	18,844 80,782 39,311 87,188	22, 337 104, 670 33, 332 121, 633	98, 535 32, 407 104, 973	16, 843 82, 670 49, 407 104, 008
Total public thous. of dolls. Water works thous. of dolls. Sewers thous. of dolls. Bridges, public thous. of dolls. Excavation thous. of dolls. Street and roads thous. of dolls. Federal Government. thous. of dolls. Unclassified, public thous. of dolls. Buildings, public thous. of dolls.	6, 059 6, 909 1, 711 31, 088 10, 839 5, 990	5, 536 5, 697 28, 520 1, 180 56, 511 22, 560 4, 129	8, 016 5, 370 5, 786 1, 419 62, 471 20, 158 3, 965	5, 248 3, 254 11, 801 4, 198 63, 167 10, 340 5, 422	10, 219 7, 727 9, 916 1, 143 81, 623 26, 389 8, 214	2, 542 11, 300 9, 752 1, 122 53, 388 66, 225 10, 247	3, 110 3, 043 2, 477 1, 768 36, 682 14, 571 5, 633	5, 431 5, 079 11, 428 2, 908 39, 620 10, 576 16, 134	2, 237 5, 669 6, 289 3, 762 25, 650 12, 300 22, 915	4, 008 4, 647 7, 149 8, 523 25, 798 8, 723 11, 805 16, 535	7, 022 6, 150 13, 763 1, 053 47, 886 8, 815 3, 798 33, 146	3, 234 8, 664 9, 378 6, 038 41, 601 10, 083 7, 162	2,081 8,492 6,662 2,253 49,241 9,718 3,440

² Revised.

SURVEY OF CURRENT BUSINESS

Earlier data for items shown here may				15	931						1930		
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
CONSTRUCTION—Continued													
Construction Contracts Awarded—Con.													
Engineering construction (E. N. R.)—Con. Total, private	66, 448 11, 801 33, 256 137 21, 254	121, 326 38, 663 55, 242 2, 250 25, 171	70, 589 13, 901 40, 986 25 15, 677	95, 797 12, 606 54, 413 6, 248 22, 530	140, 830 22, 965 67, 444 50 50, 371	78, 421 16, 566 46, 128 25 15, 702	94, 705 14, 119 50, 432 0 30, 154	120, 660 14, 135 54, 316 230 51, 979	73, 199 11, 746 51, 742 100 9, 611	102, 146 20, 401 73, 447 1, 997 6, 301	121, 305 24, 593 83, 723 825 12, 164	109, 227 17, 641 73, 492 5, 750 12, 344	135, 584 17, 099 76, 798 2, 510 38, 467
Highways													
Concrete pavements, new contracts: Total thous of sq. yds. Road thous of sq. yds. Federal-aid highways: Completed—	7, 675 5, 437	12, 470 9, 309	15, 957 13, 536	12, 303 10, 038	24, 671 21, 982	19, 467 17, 573	9, 403 8, 321	10, 107 9, 218	8, 808 5, 081	6, 293 4, 790	9, 745 6, 820	10, 080 6, 360	10, 657 7, 243
Cost thous, of dolls. Distance miles. Under construction, end of month miles.	26, 799 943 11, 884	26, 164 1, 018 12, 207	13, 994 651 12, 306	5, 059 225 11, 229	9, 100 254 9, 569	5, 826 205 8, 277	9, 654 188 7, 489	17, 416 423 6, 957	42, 751 1, 071 7, 030	40, 418 1, 138 7, 785	41, 088 1, 025 8, 325	18, 422 544 8, 459	18, 541 537 8, 339
PUBLIC UTILITIES													
Gas and Electric Power									İ				
Electric power companies, gross revenue thous. of dolls Electric power production:	<u></u> -			171, 180	176, 210	² 176, 584	182, 280	² 197,16 0	191, 920	187, 130	182, 950	174, 940	168, 100
United States— Total mills, of kw. hrs. By fuels mills, of kw. hrs. By water power mills, of kw. hrs.		7, 731 4, 995 2, 736	7, 514 4, 630 2, 884	7, 639 4, 500 3, 139	7, 643 4, 520 3, 123	7, 876 5, 243 2, 633	7, 160 5, 001 2, 159	7, 947 5, 597 2, 350	8, 108 5, 746 2, 362	7, 693 5, 502 2, 191	8, 195 5, 906 2, 289	7, 792 5, 517 2, 275	7, 906 5, 397 2, 509
In street railways, manufacturing plants, etcmills, of kw. hrs In central stationsmills. of kw. hrs Canada—			509 6005	447 7, 192	454 7, 189	452 7, 424	6, 750	46 0 7, 487	7, 606	465 7, 228	496 7, 709	479 7, 313	536 7, 380
Total mills, of kw. hrs By water power mills, of kw. hrs Exported mills, of kw. hrs Manufactured gas:		1, 240 1, 223 95	1, 284 1, 268 89	1, 360 1, 343 87	1, 405 1, 388 98	1, 414 1, 392 128	1, 336 1, 311 145	1, 485 1, 456 162	1, 542 1, 513 149	1, 515 1, 488 142	1, 575 1, 55 0 161	1, 443 1, 419 154	1, 412 1, 391 143
Sales mills, eu, ft. Revenue thous, of dolls. Natural gas: Sales mills, cu, ft.			28, 310 30, 654 36, 821	29, 865 31, 827 43, 340	30, 731 32, 356 52, 568	30, 945 32, 386 54, 729	31, 110 32, 504 56, 242	33, 478 34, 947 63, 338	31, 320 32, 963 56, 529	29, 757 31, 751 49, 386	29, 377 31, 698 40, 930	26, 882 29, 518 36, 136	24, 291 26, 847 34, 791
Revenue thous, of dolls. Rate of manufacturing operations (based on consumption of electric energy for power purposes). (See under Industrial production.)			16, 159	20, 108	24, 225	26, 031	27, 124	31, 037	26, 816	22, 426	17, 031	14, 592	13, 920
Telephone					:		i i						
Telephone companies: Operating revenuesthous, of dolls_ Operating incomethous, of dolls_		74, 802 16, 320	75, 919 17, 977	76, 8 0 4 18, 0 46	77, 0 98 19, 051	77, 124 18, 65 0	73, 277 16, 864	76, 825 17, 892	77, 280 16, 0 70	76, 139 17, 148	79, 193 19, 0 74	76, 925 17, 756	76, 279 16, 445
Telegraph										The state of the s			
Commercial telegraph tollsthous. of dolls_ Operating revenuesthous. of dolls_ Operating incomethous. of dolls_		11,370	9, 212 11, 875 1, 737	9, 133 11, 744 1, 426	9, 391 11, 963 1, 513	9, 346 12, 024 1, 405	8, 346 10, 906 724	8, 943 11, 528 609	10, 012 12, 973 1, 517	8, 647 11, 348 735	10, 137 12, 157 1, 829	10, 117 13, 054 1, 467	10, 121 12, 965 1, 400
Transportation													
Express earnings: Operating incomethous, of dolls_ Operating revenuethous, of dolls_ Electric railways (212 companies):				107 10, 493	129 10, 196	119 10, 113	134 9, 687	128 9, 884	102 10, 826	124 10, 474	118 10, 940	115 10, 810	124 10, 416
Average farecents				666, 410	8. 072 672, 555	8. 072 690, 476	8. 066 629, 336	8. 064 692, 709	8. 050 718, 784	8. 050 658, 789	8. 376 701, 279	8. 370 646, 036	8, 352 646, 750
Inland waterways: Allegheny Rivershort tons_ Cape Cod Canalshort tons_ Mississippi River Government	186, 414	237, 024 211, 172	143, 627 203, 230	169, 760 216, 559	134, 854 203, 085	52, 700 163, 186	49, 620 165, 789	56, 740 233, 890	64, 170 225, 021	230, 423 225, 322	246, 832 230, 043	282, 393 244, 640	387, 260 247, 376
bargesshort tons_ Monongahela River_thous. of short tons_	104, 000 1, 042	104, 300 1, 331	86, 016 1, 257	99, 901 1, 508	82, 465 1, 518	82, 970 1, 535	69, 572 1, 359	75, 512 1, 571	107, 507 1, 547	83, 480 1, 811	102, 569 2, 075	113, 749 2, 087	70, 088 2, 152
New York State canals thous. of short tons. Ohio River, Pittsburgh to Wheeling thous. of short tons.	425 662	506 849	385 736	457 686	349 713	0 546	0 428	505	500	390 926	608 1,037	458 928	457 998
Panama Canal— Total eargo traffic_thous. of long tons	1, 789	1,867	1, 759		2, 011	1, 916	1, 930	2, 107	2, 167	2, 263	2, 394	2, 060	2, 145
In American vesselsthous. of long tons In British vessels thous. of long tons St. Lawrence Canal thous. of short tons Sault Ste. Marie Canal	859 378 714	820 466 717	828 453 920	937 421 1, 166	929 436 319	910 429 0	864 448 0	958 540 0	953 536 38	1, 009 615 563	1, 133 546 877	1, 040 436 914	1, 0222 532 1, 007
thous of long tons Suez Canal thous of met tons Welland Canal short tons Ocean traffic:	8, 385 972, 976	7, 611 1, 963 871, 513	6, 645 2, 027 1,015,469	4, 335 2, 403 1,165,853	922 2, 396 370, 003	2, 440 0	0 2, 474 0	2, 744 0	312 2, 246 68, 400	5, 130 2, 186 583, 907	9, 094 2, 217 916, 563	10, 347 2, 204 979, 532	11, 267 2, 288 985, 928
Clearances, vessels in foreign trade— Total thous, of net tons. American thous, of net tons. Foreign thous, of net tons.	7, 463 2, 734 4, 729	7, 536 2, 742 4, 794	6, 543 2, 241 4, 302	6, 539 2, 525 4, 014	5, 907 2, 092 3, 815	5, 044 1, 773 3, 271	4, 972 1, 695 3, 277	5, 414 1, 843 3, 571	5, 505 1, 991 3, 514	6, 224 2, 501 3, 723	7, 074 2, 651 4, 423	7, 653 3, 060 4, 593	8, 480 3, 351 5, 129

Present for the 1921 Annual Supple Continued Present for the Supple Supple Continued Present for the Supple Sup	Earlier data for items shown here may				19	31					3-1	1930		
## Arrivarient Face 1.5 2.	be found in the 1931 Annual Supple-	August	July	June	May	April	March		January			October		August }
Passenger travel:														
Articles from abroad— United States editions. mamber: United States editions. United States e	<u>-</u>	İ					İ							
Description Company	Arrivals from abroad—		3 174	3 534	3 700	3 470	3 577	3 147	4 091	6 439	0.200	13 942	17 792	14 816
Section of the component 1,000 1	United States citizensnumber			25, 588		28, 281								69, 957
Validon: number National Nati	Emigrantsnumber		7, 428 46, 961	5, 893 29, 579			4, 693 32, 278			5, 450 21, 140		5, 352 32, 988		5, 245 88, 372
Present stands	National parks— Visitors——number—	 			 	 	 		48, 874	37, 246	43, 361	67, 089	183, 583	549, 287
Revenue Libons. of Johns. 5 (4) 18. A 413	Passports issuednumber	10, 749	17, 667	27, 689	28, 513	21, 466	14, 328	7, 255		6, 010 6, 565				
Trend container and containe	Revenue thous of dolls		5, 413											7, 128
Recommon concupancy	'I'rend of business in notels:	1		İ				1					·	
In bad order, and of month— 157, 585 181, 792 175, 176 176, 187, 187 177, 17	Steam railways: Equipment—													
New orders	In bad order, end of month— Quantitycars-				170, 165	162, 966	162, 117			147, 334	155, 883			
Cunsitity Chouse of cars. 2,222 2,229 2,244 2,250 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,255 2,159 211,789	New orderscars_													
Shipments	Quantitythous. of cars						2, 251	2, 253	2, 254	2, 258	2, 271			
Dornestic (milrosds)	Shipments—	1		ľ		l '		1			1			
Tetal cars	Domesticcars_						657	533		436	1, 139		4, 176	5, 934
Exports, searnnumber	Totalcars_ Of manufacturerscars_		1,336	2,070	1,599	2, 176	1,569	2, 207	2,681	3,376	1, 125	2,445	4, 127	7,723
In bad order, end of month—Awating classifier of opparaturable. Ratio to total locomotives Final to total locomo	Locomotives $(Am, Ry, Assc.)$ —	1				! '	Į	1		,		1	i '	
Ratio to total locomotives center of the property of the prope	In bad order, end of month—		_	•	ľ	ľ	ľ	1				ľ	_	_
Installed	number	6, 173	i .	,		'	,			,	'		i '	1
Committee	Installedper cent_ number_	11.4	66	114	94	67	77	86	80	92	96	127	147	161
Quantity were mills, of this 2, 53, 696 55, 698 5, 278 55, 596 55, 275 55, 276 55, 287 55, 288 55, 178 55, 288 55, 178 55, 288 55, 187 55, 288 55, 187 55, 288 55, 187 55, 288 55, 288 55, 187 55, 288	New ordersnumber_ Retirednumber_	6												
Shipments, manufacturers (Census)	Quantitynumber			55, 0 98		55, 366		55, 534	55, 576 2 525	55, 678 2 528		56, 157 2 541	56, 236 2 541	56, 287 2, 540
Electric, domestic.	Shipments, manufacturers (Census)—	1	1				· ·		i		ĺ	ł '		
Industrial (quarterly) number	Electric, domesticnumber Steam, domesticnumber	1	1		0	2	5	5	6	7	6 37			
Of manufacturers	Industrial (quarterly)number										- 			
In railroad shops.	Unfilled orders (railroads), end of monufacturers			-		57			64			102	1	180
Sustant	In railroad shopsnumber													
Electric, domestic.	sus)—	74	86	95	58	80	95	103	91	104	93	132	174	234
In railroad hands, end of quarter	Steam, domesticnumber	55 18			0	0	2	7	12			31 96		36 193
New orders	In railroad hands, end of quarter			51 111			3 51 490	į		3 51 644			3 51 770	
Total	New orderscars	0	0		0	4		0	0	2	10	0		13
Financial operations— Net operating income thous of dolls	Totalcars_ Domesticcars_											73 73		35 35
Net operating income thous, of dolls.	number.		 	324			3 125			³ 264			465	
Canada	Net operating income thous, of dolls		56, 535	50, 163	41, 264	39, 074	45,906	27, 264	33, 849	49,372	62, 069	112, 251	104, 078	95, 604
Total	Canadathous, of dolls			30, 480	30, 934	30,912	30, 613	26, 788	28, 141	33, 450	35, 474	42, 093	44, 340	38,804
Operating expensesthous. of dolls	Totalthous, of dells_ Freightthous, of dells_		290, 348							280, 909	311,042	385,684	363, 473	354, 713
Freight cars— Carloadings*— Total	Operating expensesthous. of dolls		50, 272 280, 127						53, 349 294, 0 82					
Carloadings*— Total	thous, of dolls			1, 898	2,166	3,640	3, 112	121	424	5, 910	7, 579	11,408	11,435	5, 619
Coal and cokethous. of cars 617 452 465 611 486 555 554 817 638 852 733 638 2770 Forest productsthous. of cars 138 106 125 165 130 138 138 156 121 174 159 162 207 Grain and grain productsthous. of cars 228 220 140 180 151 153 165 196 143 190 163 189 304 Livestockthous. of cars 106 71 75 106 85 79 88 124 94 140 129 108 106 Orethous. of cars 175 139 119 80 29 23 22 26 22 92 154 195 2285 Merchandise, I. c. 1 thous. of cars 1,069 850 876 1,097 899 886 842 997 820 1,133 966 944 21,178 Miscellaneousthous. of cars 1,413 1,113 1,192 1,496 1,206 1,105 997 1,175 946 1,546 1,514 1,490 21,822 Car surplus (daily average, last week of month)— Totalcars 573, 880 564, 688 590, 282 615, 924 602, 832 621, 500 650, 664 646, 750 706, 538 580, 498 402, 637 394, 032 431, 971 Box	Carloadings*—	3 747	2 031	2 992	3 736	2 986	2 940	2 836	3.401	2.784	4, 197	3.818	3.725	24 672
Grain and grain products thous, of cars.	Coal and cokethous, of cars	617	452	465	611	486	555	584	817	638	852	733	638	2 770
Livestockthous, of cars. 106 71 75 106 85 79 88 124 94 140 129 108 106 Ore	Grain and grain productsthous, of cars	228	220	140	180	151	153	165	196	143	190	163	189	304
Miscellaneous	Livestockthous. of cars	175	139	119	80	29	23	22	26	22	92	154	195	2 285
of menth)— Total	Miscellaneousthous, of cars												1,490	
Boxears 302, 887 288, 414 306, 443 306, 319 282, 315 298, 837 324, 938 336, 577 380, 603 304, 100 230, 705 292, 398 232, 896	of month)—	573, 680	564.088	599, 289	615, 994	602, 832	621, 500	650, 964	646, 750	706, 538	580, 498	402.637	394, 039	431, 971
	Boxears	302, 887	288, 414	306, 443	306, 319	282, 315	298, 837	324, 938	336, 577	380,603	304, 100	230, 705	202,398	232, 896

<sup>Data for January, May, 1931, and August and November, 1930, are for 5 weeks, other months 4 weeks.
Revised.
Quarter ending in month indicated.</sup>

* Revised.

SURVEY OF CURRENT BUSINESS

Earlier data for items shown here may			***	193	1						1930	-	
be found in the 1931 Annual Supplement to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
PUBLIC UTILITIES—Continued												<u> </u>	
Transportation—Continued													
Steam railways—Continued. Freight cars—Continued Operation results— Freight carried 1 mile— Canadamills. of tons United Statesmills. of tons			2, 207 34, 417	2, 178 30, 014	2, 136 28, 710	2, 104 29, 960	1, 951 27, 079	2, 016 30, 314	2, 239 29, 026	2, 633 32, 295	3, 096 39, 292	3, 562 36, 220	2, 268 37, 421
Receipts per ton-milecents			2, 034 1, 090	1, 870 1. 054	1, 831 1, 093	1,758 1.074	1, 747 1. 049	1, 915 1, 015	2, 015 1. 052	1, 828 1. 050	1, 959 1, 063	2, 253 1. 081	2, 634 1, 040
FINANCE						,							
Agricultural Finances													
Loans outstanding, end of month: Federal land banks mills. of dolls_ Federal intermediate credit banks mills. of dolls_	1, 178 133	1,179 137	1, 182 137	1, 184 131	1, 185 138	1, 187 138	1, 187 128	1, 187 128	1, 187	1, 188 132	1, 189 126	1, 190 123	1, 191 123
Joint-stock land banks mills. of dolls.	548	551	532	536	540	544	548	550	553	567	560	563	565
Banking Bank debits:													
Canadamills. of dolls New York Citymills. of dolls Outside New York Citymills. of dolls Outside New York Cityrel. to 1923-25 Brokers' loans, end of month: By N. Y. F. R. member banks	17, 501 16, 526 83. 8	2, 400 21, 907 18, 444 93. 5	2, 694 25, 893 19, 406 98. 4	3, 172 25, 072 18, 858 95. 6	2, 786 26, 821 19, 620 99. 5	2, 570 27, 589 19, 421 98. 4	2, 535 20, 948 17, 084 86. 6	2, 668 24, 557 21, 697 110. 0	3, 012 29, 001 22, 113 117. 2	2, 974 22, 490 19, 700 99. 9	3, 618 30, 781 23, 693 120. 1	2, 967 27, 383 21, 253 107. 7	3, 802 25, 052 20, 941 106. 3
Ratio to market value per cent- Total mills of dolls	1, 366 3. 04 1, 354	1, 390 3, 03 1, 344	1, 479 2, 93 1, 391	1, 539 3. 37 1, 435	1, 730 3. 40 1, 651	1, 875 3, 58 1, 909	1, 798 3. 22 1, 840	1, 734 3, 30 1, 720	1, 926 3. 86 1, 894	2, 111 4. 06 2, 162	2, 512 4. 65 2, 556	3, 063 5. 79 3, 481	3, 110 5. 31 3, 559
Deposits, New York State savings banks, end of monthmills. of dolls		5, 149	5, 156	5, 083	5, 059	5, 018	4, 928	4, 888	4, 792	4, 666	4, 658	4, 662	4, 591
Federal reserve banks: Bills discountedmills. of dolls_ Notes in circulationmills. of dolls_	255 1, 963	195 1,765	149 1, 723	174 1, 580	157 1, 535	250 1, 486	198 1, 478	232 1,494	251 1, 664	275 1, 455	207 1, 368	272 1, 379	215 1, 374
Reserve ratioper cent. Reserve ratio rel. to 1923-25. Total depositsmills. of dolls. Total investmentsmills. of dolls. Total reserve mills. of dolls.	78.8 192.5 2,632 943 3,619	83. 8 109. 0 2, 527 751 3, 597	84. 6 110. 0 2, 504 773 3, 576	84. 9 110. 4 2, 442 724 3, 413	84. 0 109. 2 2, 434 761 3, 334	82. 6 107. 4 2, 506 723 3, 296	83. 7 108. 8 2, 399 708 3, 244	82. 2 106. 9 2, 448 735 3, 243	73. 7 95. 8 2, 517 1, 100 3, 082	80. 3 104. 4 2, 422 780 3, 115	82. 2 106. 9 2, 465 771 3, 149	79. 7 103. 6 2, 532 813 3, 118	81. 1 105. 5 2, 423 779 3, 079
Federal reserve member banks: Net demand depositsmills. of dolls Total investmentsmills. of dolls	13, 244 7, 665	13, 473 7, 810	13, 688 7, 795	13, 605 7, 807	13, 664 7, 903	13, 748 7, 551	13, 614 7, 183	13, 680 6, 843	13, 999 6, 693	13, 908 6, 800	13, 830 6, 731	13, 812 6, 454	13, 629 6, 338
Total loans and discounts_mills. of dolls_ Interest rates: Call loans, renewalper cent	14, 398	14, 486	14, 691	14, 730	14, 993 1. 52	15, 382 1. 55	15, 464 1. 50	15, 753	16, 263 2. 23	16, 516 2. 00	16, 764 2. 00	17, 013 2. 19	16, 830 2. 21
Federal land banksper cent Intermediate credit banksper cent New York Federal Reserve Bank (dis.)per cent	5. 63 3. 81 1. 50	5. 63 3. 81 1. 50	5. 63 3. 90 1. 50	5. 63 4. 00 1. 50	5. 63 4. 00 1. 50	5. 63 4. 00 2. 00	5. 63 4. 00 2. 50	5. 63 4. 00 2. 50	5. 63 4. 06 2. 50	5. 63 4. 13 2. 50			
Prime bankers' acceptancesper cent Prime commercial paper (4-6 months)	2.00	2.00	2.00	2. 00 2. 13	1. 50 2. 38	1. 50 2. 50	1. 44 2. 63	1. 56 2. 88	1. 88 2. 88	1. 88 2. 88	1. 88 3. 00	1. 88 3. 00	1.88
Prime commercial paper (4-6 months) rel. to 1923-25.	46.4	46. 4	46.4	49. 4	55, 2	58.0	61. 0	66, 8	66.8	66.8	69. 6	69. 6	3. 00 69. 6
Time loans, 90 daysper cent Business Failures	1.38	1.38	1. 50	1. 75	2. 00	2. 13	1. 88	2. 13	2. 25	2. 13	2. 50	2. 63	2. 63
Firms (United States):			440				-	202		27.			
Banks number. Total commercial number. Manufacturers number. Trade establishments number. Agents and brokers number. By groups—	154 1, 944 427 1, 381 136	1, 983 520 1, 322 141	1, 993 449 1, 435 109	2, 248 552 1, 570 126	2, 386 515 1, 710 158	86 2, 604 582 1, 843 179	77 2, 563 583 1, 831 149	202 3, 316 611 2, 541 164	344 2, 525 537 1, 834 154	254 2, 031 448 1, 447 136	72 2, 124 499 1, 474 151	1, 963 434 1, 395 134	1, 913 566 1, 234 113
Manufacturers— Totalnumber_ Chemicalsnumber_	427 9	520 13	449 7	552 12	515 9	582 5	583 13	611 10	537 9	448 5	499 7	434 9	566 14
Foodstuffsnumber_ Leathernumber_	30 18	34 16	64 26	43 14	38 12	37 23	37 14	32 17	34 14	5 27 8 10	35 15	35 14	$\frac{29}{21}$
Liquors and tobacconumber_ Lumbernumber_ Printing and engraving_number_	7 52 14	6 39 17	10 57 21	4 65 27	75 10	9 61 27	9 72 15	$\begin{array}{c} 6 \\ 76 \\ 21 \end{array}$	6 77	71 18	14 54 20 12	8 65 16	11 98 19
Stone, clay, and glassnumber_ Textilesnumber_	6 61	13 75	7 53	9 78	5 78	7 79	4 96	11 124	15 12 85	14 71	12 97	7 53	7 55
Metalsnumber_ All othernumber_ Traders=	49 181	49 25 8	37 167	50 250	55 227	52 282	54 269	44 270	34 251	34 190	34 211	30 197	33 279
Totalnumber_ Books and papernumber_	1,381 12	1,322 19	1, 435 20	1,570 19	1,710 18	1, 843 28	1,831 19	2, 541 15	1, 834 15	1, 447 11	1, 474 18	1,395 12	1, 234 . 11
Chemicals and paintsnumber Clothingnumber	109 220	86 257	235 235	108 295	98 351	107 400	93 381	633 678	114 444	111 261	94 250	98 257	78 270
Foods and tobacconumber_ General storesnumber_ Household furniturenumber_	441 78 23 5	363 66 239	360 89 243	401 88 357	451 109 297	441 152 358	438 131 407	476 220 571	461 138 290	393 104 245	398 108 253	341 93 247	329 67 204
All othernumber_ Firms (Canada)number_	286 164	292 292 223	404 174	302 196	386 204	357 213	362 253	509 296	372 295	322 237	353 214	347 175	204 275 2158
Liabilities (United States): Banksthous, of dolls-	226, 022	² 41, 334	² 196, 542	43, 963	42, 417	35, 285	35, 123	78, 130	367, 119	186, 306	24, 599	23, 666	21, 951
Total commercialthous. of dolls Total commercialrel. to 1923-25. Manufacturersthous. of dolls Trade establishmentsthous. of dolls Agents and brokersthous. of dolls Liabilities (Canada)thous. of dolls	53, 025 125, 1 16, 967 25, 848 10, 210 2, 138	60, 998 143, 9 20, 586 28, 091 12, 321 3, 345	51, 656 121, 8 21, 909 25, 934 3, 813 3, 504	53, 371 125. 9 18, 506 25, 069 9, 796 2, 775	50, 868 120. 0 18, 719 26, 386 5, 763 3, 638	60, 387 142. 4 24. 072 30, 348 5, 967 3, 752	59, 608 140. 6 25, 304 30, 852 3, 452 3, 014	94, 608 223. 1 47, 633 43, 071 3, 904 4, 215	83, 683 197, 4 19, 948 28, 853 35, 382 6, 994	55, 261 130, 3 19, 438 21, 217 14, 606 2, 958	56, 297 132. 8 17, 989 22, 096 16, 212 2, 532	46, 947 110. 7 16, 448 19, 311 11, 188 2, 664	49, 181 116, 0 24, 735 17, 829 8, 617 22, 610

Earlier data for items shown here may be found in the 1931 Annual Supple-	Pohan										1.9	30	·
ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FINANCE—Continued													
Dividend and Interest Payments			ĺ										
Grand totalmills. of dolls Dividend payments:	490	946	762	560	749	594	524	1, 121	713	579	763	524	² 5 0 5
Total mills. of dolls. Industrial and miscel-	245	387	346	292	314	311	285	521	284	277	320	228	2 278
laneous mills. of dolls. Steam railroads mills. of dolls. Street railways mills of dolls. Interest payments mills. of dolls.	170 34 6 245	267 42 11 559	237 34 7 416	213 33 8 268	236 38 9 435	236 46 7 284	217 45 9 239	386 56 16 601	221 39 14 429	212 39 12 302	250 44 11 443	184 30 7 296	2 190 2 38 7 227
Foreign Exchange Rates													
America: Argentinadolls. per gold peso	. 646	. 699	. 703	. 707	. 765	.780	.719	. 697	.756	. 781	. 781	.818	. 825
Brazil dolls, per milreis Canada dolls, per Canadian doll Chile dolls, per paper peso Asia:	. 064 . 997 . 121	.072 .997 .121	.075 .997 .121	.067 .999 .121	. 073 1. 000 . 121	. 079 1. 000 . 121	. 086 1. 000 . 121	.091 .998 .121	. 096 . 999 . 121	1. 001 1. 121	1. 001 1.121	1.001 1.001 .121	1.001 1.001 1.121
Japandolls. per yen Jndiadolls. per rupee	. 494 . 359	. 494 . 360	. 494 . 360	. 494 . 361	. 494 . 361	. 494 . 361	. 494 . 359	. 494 . 359	. 496 . 359	. 496 . 360	. 496 . 360	. 494 . 360	. 494 . 360
Belgiumdolls.per belga Englanddolls.per lb sterling	. 139 4, 86	. 140 4. 86	. 139 4. 86	. 139 4. 86	. 139 4. 86	. 139 4. 86	, 139 4, 86	139 4.85	. 140 4. 86	. 139 4. 86	. 139 4. 86	. 140 4. 86	.140 4.87
Italy dolls per franc- Natherlands dolls per guilder	. 039 . 052 . 403	. 039 . 052 . 403	. 039 . 052 . 402	. 039 . 052 . 402	. 039 . 052 . 401	. 039 . 052 . 401	. 039 . 052 . 401	. 039 . 052 . 402	.039 .052 .403	. 039 . 052 . 402	. 039 . 052 . 403	.039	. 039
Belgium dolls.per belga. England dolls. per lb sterling. France dolls. per franc. Italy dolls. per lira. Netherlands dolls. per guilder. Sweden dolls. per krone. Switzerland dolls. per franc.	. 268	. 268	. 268	. 268	. 268	. 268	. 268 . 193	. 268	. 268	. 268 . 194	. 269	. 403 . 269 . 194	. 403 . 269 . 194
Gold and Silver												1,201	b .
Gold: Domestic receipts at mintfine ounces Exportsthous. of dolls	115, 343 39	118, 123 1, 009	114, 651 40	95, 133 628	93, 612 27	85, 091 26	87, 717	94, 476	109, 907	113, 430	152, 648	125, 871	112, 395
Imports. thous. of dolls. Monetary stocks of U. S., daily	57, 539	20, 497	63, 887	50, 258	49, 543	25, 671	16, 156	34, 426	36 32, 778	5, 008 40, 159	9, 266 35, 635	11, 133 13, 680	39, 332 19, 714
Rand outputfine ounces	4, 975 916, 425	4, 958 916, 843	4, 865 897, 000	4, 767 910, 279	4,711 882,237	4, 682 910, 998	4,656 839,937	4, 622 914, 576	4, 583 908, 492	4, 553 884, 735	4, 520 926, 561	4, 503 903, 176	4, 496 921, 081
Silver: Exports thous, of dolls thous, of dolls.	2, 024 2, 685	² 2, 305 1, 640	1, 895 2, 364	2, 099 2, 636	3, 249 2, 439	2, 323 1, 821	1, 638 1, 877	3, 571 2, 896	3, 472 2, 660	4, 102 2, 652	4, 424 3, 270	3, 903 3, 461	4, 544 3, 492
Price at New Yorkdolls. per fine oz Production— United Statesthous. of fine oz Canadathous. of fine oz	2,459 1,610	283 2 2, 176 2, 133	2, 433 731	2, 762 1, 836	2,831 1,139	3, 528 1, 431	. 268 3, 187	3, 480 1, 932	3, 713	3, 738 1, 412	. 358 3, 816	3, 780	3,835
Mexicothous of fine oz.	1,010	6, 390	7, 041	7, 374	9, 535	6, 510	1, 772 6, 944	8, 751	2, 043 8, 481	8, 712	2, 291 8, 889	3, 486 9, 154	2, 685 7, 755
United Statesthous of fine oz Canadathous. of fine oz	2, 240 1, 363	2, 077 754	1,611 958	1, 485 1, 423	713 1, 509	2, 714 796	1,851 702	792 694	960 179	956 216	649 217	813 341	677 410
Net Corporation Profits													
Industrial and mercantile— Totalmills, of dolls			³ 159			¹ 3 125			³ 116			³ 204	
Automobiles, parts and accessories			3 65			3 30			3 10			³ 29	• • • • • • • • • • • • • • • • • • • •
mills, of dolls. Food. mills, of dolls. Machinery. mills, of dolls. Metals and mining mills, of dolls.			335 35 35			³ 31 ³ 5 ³ 4			³ 30 ³ 9 ³ 4			* 37 * 8 * 5	
Steel and railroad equipment			30			30			30			3 24	
Class I railroads mills, of dolls			3 9 3 13 1			38 3107			³ 16 ³ 226			\$ 35 \$ 283	
l'elephonemills. of dolls			3 69			1 68			3 68			9 65	
Life Insurance (Association of Life Insurance Presidents)													,
Admitted life insurance assets (40 cos.):													
Mortgage loans—		15, 978	15, 871	15,769	15, 662	15, 573	15,474	15, 392	15, 293	15, 217	15, 120	15,024	14, 926
Farmmills. of dolls All othermils. of dolls		6, 353 1, 535 4, 818	6,356 1,537 4,819	6, 345 1, 541 4, 804	6, 332 1, 544 4, 788	6,330 1,547 4,783	6, 323 1, 555 4, 768	6,312 1,555 4,757	6,303 1,554 4,749	6, 270 1, 561 4, 709	6, 244 1, 562 4, 682	6, 223 1, 563 4, 660	6, 213 1, 571 4, 642
Bonds and stocks (book value): Governmentmills. of dolls		1, 213	1, 189	1, 164	1, 134	1,120	1, 108	1, 106	1, 104	1, 101	1,002	1,089	1,085
Railroadmills. of dolls		1, 662 2, 657	1, 644 2, 653	1, 611 2, 653	1, 605 2, 660	1, 578 2, 651	1, 572 2, 648	1, 545 2, 633	1, 531 2, 637	1, 526 2, 640	1, 521 2, 638	1, 488 2, 622	1, 473 2, 621
All othermills. of dollsmotalmills. of dolls		503 6, 035	504 5, 990	499 5, 9 27	495 5, 894	487 5,836	485 5, 813	478 5, 762	475 5, 747	469 5, 736	465 5, 719	449 5, 648	437 5, 616
Policy loans and premium notes mills. of dolls Amount of new insurance (44 cos.):		2, 388	2, 363	2, 331	2, 300	2, 273	2, 241	2, 212	2, 169	2, 127	2, 098	2, 062	2, 041
Group mills of dells mills of dells mills of dolls or dolls. Ordinary mills of dolls.	46 247 547 839	46 253 606	81 251 673	72 236 672	99 235 691	62 247 720	104 209 599	78 214 596	131 229 753	59 208 593	52 244 620	138 210 545	73 234 622 929
Total insurance	26 995	905 22 994	1,005 45 926	980 35 845	1, 025 59 865	1, 028 28 881	912 60 731	888 44 750	1, 112 59 794	861 28 741	915 35 847	894 46 722	39 805
Ordinary thous, of policies Total policies and certificates thousands.	233 1, 254	260 1, 276	285 1, 256	288 1, 168	301 1, 225	321 1, 230	247 1, 039	231 1, 026	319 1,172	253 1,022	261 1,143	229 996	245 1,088
Annuities thous. of dolls. Group thous. of dolls. Industrial thous. of dolls.	9, 304 7, 895 62, 874 154, 579	17, 979 8, 114 55, 612 178, 398	13, 868 8, 117 60, 654 173, 947	25, 175 8, 037 59, 884 175, 562	12, 682 8, 398 53, 854 183, 992	11, 919 8, 790 62, 920 186, 452	12, 430 8, 748 56, 388 166, 759	10, 741 10, 108 62, 659 170, 497	19,615 9,591 112,666 191,871	7, 094 7, 269 58, 108 154, 473	6, 917 7, 944 55, 851 165, 954	5, 016 7, 220 59, 859 147, 907	5, 797 6, 508 58, 961 170, 847

[•] For early data see table on page 21 of this issue.

Revised.

³ Quarter ending in month indicated.

Earlier data for items shown here may				19	3 1 .						1930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	Мау	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FINANCE—Continued							o morrosa co					a section of their sear a sec	
Life Insurance—Continued													
Sales of ordinary life insurance (Life Insurance Sales Research Bureau):													
Canada, total, 15 costhous, of dolls United States, totalthous, of dolls	35, 738 589, 497	39, 977 634, 902	46, 227 734, 614	41, 314 724, 206	45, 648 754, 002	46, 945 770, 440	40, 180 647, 140	41, 188 628, 607	49, 874 795, 642	46, 868 653, 131	46, 019 685, 755	39, 643 603, 102	37, 061 685, 864
Eastern manufacturing dis- trictthous, of dolls	242, 920	267, 378	321, 403	313, 038	327, 077	343, 74 5	289, 757	280, 066	324, 635	279, 651	285, 594	238, 909	275, 228
Far western districtthous. of dolls Southern districtthous. of dolls Western agricultural dis-	60, 607 69, 047	63, 112 73, 714	70, 226 84, 055	68, 663 81, 955	70, 943 82, 930	73, 579 77, 628	60, 094 64, 009	61, 589 65, 329	86, 291 91, 922	65, 011 72, 189	71, 961 77, 196	68, 520 69, 724	77, 450 80, 858
trictthous. of dolls_ Western manufacturing dis-	84, 197	91, 959	100, 752	98, 861	102, 396	101, 945	86, 439	82, 754	117, 117	90, 178	97, 300	89,779	99, 276
trictthous. of dolls Ordinary life insurance, lapse rates (Life In- surance Research Bureau):	132, 726	138, 739	158, 178	161, 689	170, 657	173, 543	146, 841	138, 869	175, 677	146, 102	153, 704	136, 170	153, 052
United States, total rel. to 1925-26. East North Central rel. to 1925-26. East Cartel rel. to 1925-26.			3 111 3 123			3 113 3 116			* 127 * 139			3 120 3 133	
East South Centralrel. to 1925-26 Middle Atlanticrel. to 1925-26 Mountainrel. to 1925-26			\$ 117 \$ 127 \$ 95			³ 128 ³ 128 ² 108			\$ 139 \$ 143 \$ 125			* 123 * 138 * 117	
New Englandrel. to 1925-26 Pacificrel. to 1925-26			* 105 * 103			³ 114 ³ 98			³ 141 ³ 114			8 125 3 113	
South Atlantic rel. to 1925–26 _ West North Centralrel. to 1925–26 _ West South Centralrel. to 1925–26 _			* 100 * 107 * 110			3 109 3 108 8 119			* 121 * 112 * 124			3 114 3 105 3 112	
Public Finance			110			- 119			124			1112	
Customs receiptsthous. of dolls_ Expenditures chargeable to ordinary	38, 240	34, 480	28, 986	27, 463	31, 798	31, 807	28, 107	28, 808	30, 764	3 6, 3 65	39, 319	36, 655	32, 083
receiptsthous, of dolls Government debt, gross, end of	323, 838	330, 661	375, 153	285, 892	432, 3 66	720, 236	191, 425	413, 796	364, 540	244, 651	375, 244	308, 221	224, 117
month mills. of dolls. Total ordinary receipts thous. of dolls.	16, 864 122, 141	16, 802 131, 706	16, 801 512, 894	16, 527 124, 405	16, 655 148, 208	16, 583 433, 301	16, 231 118, 614	16, 163 125, 605	16,026 717,092	16, 185 120, 362	16, 180 147, 813	16, 081 602, 811	16, 188 127, 388
United Stages money in circulationmills. of dolls	4, 947	4,836	4, 750	4, 679	4, 647	4, 590	4, 598	4, 695	4, 823	2, 528	4, 501	4, 492	4, 476
Stockholders												ļ	
American Telephone & Telegraph Co.: Domestic number Foreign number.			³ 595, 3 22		 	³ 574, 905			³ 560, 424			³ 540, 826	
Pennsylvania R. R. Co.:	i	l	i		1	³ 6, 383 ³ 235, 306	1		³ 6, 184 ³ 233, 414	1		3 5, 866	
Domestic number. Foreign number. U. S. Steel Corporation (common stock):	ł					3 3, 272			3 3, 190			3 3, 096	
Domesticnumber_ Foreignnumber_			³ 153, 718 ³ 2, 520			³ 147, 440 ³ 2, 451			2,345			3 3, 026	
Shares held by brokersp. ct. of total Stocks and Bonds		********	14.37			3 15. 68			\$ 16.20			3 18.60	
Bonds				ļ									
Bond prices: Combined price													
indexp. ct. of par, 4% bond Highest-grade rails.p. ct. of par, 4% bond	77. 05 95. 14	80. 99 97. 70	79.07 97.73	80.48 97.68	80. 86 96. 11	82. 29 96. 31	82.06 96.41	81. 98 96. 59	78. 96 92. 89	81. 10 94. 63	82. 49 95. 85	84. 26 95. 83	82.93 94.25
Industrial p. ct. of par, 4% bond Public utility p. ct. of par, 4% bond bond	65, 82 82, 81	67. 75 83. 68	64. 36 82. 76	66. 70 80. 91	68. 15 80. 06	70. 83 79. 59	70.72 79.00	70. 98 78. 14	68. 61 75. 54	70, 53 77, 32	71. 63 78. 92	76. 13 79. 49	76. 33 76. 82
indexp. ct. of par, 4% bond_ Highest-grade rails_p. ct. of par, 4% bond_ Industrialp. ct. of par, 4% bond_ Public utilityp. ct. of par, 4% bond_ Second-grade rails_p. ct. of par, 4% bond_ Bond prices, 1st of following month: 50 domestic bondsp. ct. of par_	70.76	80. 34 100. 38	78. 51 100. 25	82. 54 99. 89	84. 03 100. 12	86. 58 100. 15	86.39	86. 54	82.78	85. 85	87.49	88. 32	86. 94 100. 41
40 representative issuesp. ct. of par_ 5 Liberty bondsp. et. of par_ Bond yields:	71. 02 106. 04	72. 32 106. 09	83. 84 106. 30	81, 01 106, 84	85. 30 105. 77	88. 03 105. 37	100. 27 86. 67 104. 85	99. 57 84. 56 104. 23	99. 54 81. 53 105. 53	99. 68 84. 05 106. 41	100. 08 86. 08 106. 06	100. 96 88. 25 105. 84	90. 99 105. 23
Industrial (15)per cent Liberty and Treasury bondsper cent	5. 26 3, 34	5. 13 3. 32	5. 25 3. 30	5. 24 3. 31	5. 10 3. 38	4. 98 3. 39	5. 01 3. 40	4. 99 3. 33	5. 12 3. 34	4. 97 3. 32	4. 89 3. 34	4. 85 3. 37	4. 87 3. 38
Municipal (15)per cent Municipal bond yield (20)per cent	3.88 3.85	3.88 3.86	3. 76 3. 84	3. 75 3. 74	3.80 3.85	3. 89 3. 90	3.95 4.03	3. 92 4. 05	4. 05 4. 12	4.00 4.06	3. 94 3. 99	3. 97 3. 97	3. 97 4. 01
Railroads (15)per cent	4.47	4.32	4. 32	4.27	4.33	4. 27	4. 27	4. 25	4.41	4. 32	4. 25	4. 25	4. 29
3-6 mos per cent Utilities (15) per cent Total, 60 high grade per cent Long term real-estate bonds issued:	4. 40 4. 50	. 41 4. 42 4. 44	. 55 4. 46 4. 45	. 88 4. 44 4. 43	1. 49 4. 46 4. 43	1.38 4.48 4.41	1. 06 4. 54 4. 44	1. 24 4. 56 4. 43	1. 48 4. 61 4. 55	1. 40 4. 57 4. 46	1. 74 4. 53 4. 41	1. 84 4. 55 4. 41	1, 53 4, 59 4, 43
Interest rates per cent	2, 100 5. 76	775 5. 78	3, 425 5. 69	9, 485 5. 43	7, 235 5. 68	2, 015 5. 66	3, 590 5. 36	4, 520 5. 81	29, 877 5, 75	9, 965 5. 74	6, 635 5, 61	13, 890 5. 89	1, 938 5, 46
Kind of structure— Apartments——thous, of dolls—	0	0	0	0 265	250 0	0	0	0 1, 250	0 340	110	175 0	600	675
Hotelsthous, of dolls_ Office and commercial_thous, of dolls_ Purpose of issue—	1,985	175	2,700	8,650	4, 400	1,475	2,000	1, 200	28, 972	9, 300	3, 050	2, 300	675 250
Acquisitions and im- provementsthous, of dolls_ Finance construction_thous, of dolls_	0	0	0	265	0	210	0	1, 250	850	0	2,000	10, 500	
Real-estate mortgage_thous. of dolls_	565 635	600 0	1,000 425	9, 220	1,700 3,135	1,000 630	1,500 1,090	2,850	530 27, 945	1, 595 5, 120	1, 210 1, 975	1, 475 165	1, 388
STOCKS													
Stock prices, average daily closing: 25 industrials, averagedolls. per share 25 industrials, averagerel. to 1923-25	190.59	193.83	198.56	193.75	215.74	237. 52	235. 29	214. 18	212.34	227, 60	240.49	282.92	282. 81
25 railroads, averagedolls, per share	152, 23 57, 87 82, 7	154. 9 64. 88 92. 8	158. 6 68. 09 97. 4	154. 8 65. 89 94. 2	172. 4 74. 97 107. 2	189. 8 84. 55 120. 9	188, 0 92, 03 131, 6	171. 1 90. 38 129. 2	169. 6 82. 00 117. 2	181. 8 90. 23 129. 0	191, 1 97, 30 139, 1	226. 0 110. 16 157. 5	225. 9 110. 38 157. 8
25 railroads, averagerel. to 1923-25_ 103 stocks, averagedolls. per share_	32. 48		35. 81	31.39	36.38	40. 49	44.00	40. 69	38.09	42, 12	43. 44	47. 40	55. 92

^{*}Quarter ending in month indicated.

Earlier data for items shown here may				19	31						1930		
be found in the 1931 Annual Supple- ment to the Survey	August	July	June	May	April	March	Febru- ary	January	Decem- ber	Novem- ber	October	Septem- ber	August
FINANCE—Continued													i
Stocks and Bonds—Continued													
STOCKS—Continued													
Stock prices, average weekly closing: All industrials (404)rel. to 1926_ All railroads (33)rel. to 1926_ All utilities (34)rel. to 1926_ Industrials, rails and utilities	95. 5 66. 2 154. 0	98. 2 75. 3 157. 5	95. 1 74. 0 153. 0	98. 0 76. 8 156. 4	109. 2 87. 3 169. 8	121. 6 97. 2 188. 9	119. 8 104. 7 177. 9	112.3 100.4 163.4	109. 4 93. 5 157. 9	116.7 102.1 167.4	127. 6 110. 9 187. 0	148. 8 122. 6 216. 4	147. 6 121. 2 212. 7
(337) rel. to 1928. Agricultural implements (4) .rel. to 1928. Airplanes (10) rel. to 1926. Automobiles and trucks (13) .rel. to 1926. Automobile tiros and rubber	88. 5 115. 0 194. 1 103. 4	89. 8 130. 7 196. 3 104. 9	86. 5 129. 2 189. 7 101, 2	89. 4 140. 3 202. 3 110. 0	100. 3 150. 5 227. 6 117. 4	111. 8 178. 6 268. 2 128. 6	110. 3 174. 0 237. 3 120. 4	103. 4 161. 7 202. 5 106. 2	101. 9 169. 7 177. 0 100. 3	108. 5 195. 8 214. 9 101. 2	117. 8 211. 7 269. 6 108. 0	139. 3 265. 3 391. 1 132. 5	138. 7 268. 5 400. 9 134. 1
goods (7)rel. to 1926. Chain stores (17)rel. to 1926. Copper and brass (9)rel. to 1926. Food, other than meat (20)rel. to 1926. Machinery and machine equip-	49. 1 91. 6 61. 0 112. 0	50. 2 89. 2 65. 8 112. 2	46, 7 88, 5 62, 0 111, 9	46. 4 88. 8 66. 7 117. 7	50. 0 86. 2 79. 4 127. 1	57. 5 89. 9 95. 7 136. 9	54, 4 86, 4 90, 8 133, 2	50. 6 78. 4 82. 1 127. 2	54, 9 78, 1 79, 9 123, 0	56. 0 81. 7 90. 8 126. 4	52. 5 88. 1 92. 6 133. 5	65. 5 95. 6 114. 4 149. 8	72. 0 90. 1 121. 3 147. 2
ment (10)rel. to 1926 Oil producing and refining	84.2	88.0	83.4	88.7	109.4	125. 1	125.8	120.4	116.9	120.3	134. 4	154.1	152.3
(16) rel. to 1926. Railroad equipment (9) rel. to 1926. Rayon (5) rel. to 1926. Steel and iron (9) rel. to 1926. Textiles (39) rel. to 1926. Theaters, motion pictures and	69. 9 54. 5 48. 4 65. 2 44. 7	67. 4 57. 2 48. 9 71. 8 45. 8	63. 1 54. 6 48. 6 68. 2 45. 0	63. 2 57. 1 48. 6 72. 1 47. 4	74. 1 67. 5 52. 6 86. 1 52. 2	84. 5 78. 2 51. 5 102. 9 58. 2	90. 7 77. 4 52. 2 101. 2 55. 3	89. 1 74. 1 53. 8 89. 8 52. 5	87. 8 72. 9 58. 2 91. 6 51. 0	96. 9 76. 8 67. 9 99. 5 54. 9	106. 4 82. 0 64. 6 115. 4 58. 2	125. 4 95. 6 71. 4 138. 1 67. 2	129. 7 93. 4 65. 8 138. 4 66. 0
amusements (7)rel. to 1926 Tobacco and tobacco products	43. 4	44. 5	44.6	44. 3	61. 3	76. 1	80. 2	69.4	66.7	77.7	87.8	112.4	106. 1
(10)rel. to 1926 Traction, motor transportation	136.9	141.0	133. 5	137.3	144.3	143. 8	137. 4	131.5	125. 6	129. 2	136.8	152.6	149. 2
(9) Stock sales, N. Y. Stock Exchange thous. of shares.	59. 8 24, 890	62. 7 33, 540	63. 2 58, 719	60. 8 46, 661	61. 9 54, 335	67. 1 65, 494	66. 3 64, 145	63. 1 52, 543	63. 3 58, 764	67. 9 51, 946	72. 3 65, 497	74. 6 53, 545	72. 7 39, 870
Preferred high-grade industrial (20) per cent Total common (90) per cent Industrials (50) per cent Public utilities (20) per cent Railroads (20) per cent	5. 80 5. 74 5. 94 4. 36 8. 15	5. 77 5. 66 5. 89 4. 33 7. 54	5. 85 5. 96 6. 26 4. 47 7. 76	5. 71 5. 95 6. 23 4. 42 7. 91	5. 59 5. 43 5. 69 4. 04 7. 12	5. 54 4. 95 5. 17 3. 60 6. 75	5. 61 5. 12 5. 35 3. 89 6. 29	5. 66 5. 50 5. 73 4. 26 6. 56	5. 77 5. 62 5. 79 4. 37 7. 05	5. 62 5. 43 5. 69 4. 10 6. 46	5. 52 5. 05 5. 39 3. 64 5. 98	5. 48 4. 33 4. 60 3. 04 5. 45	5. 53 4. 42 4. 69 3. 12 5. 50
New Security Issues										Ì			
Bond sales, Canada: Totalthous. of dolls Corporationthous. of dolls Dominion and provincial	1, 923 400	7, 133 683	62, 240 5, 085	666, 840 9, 660	57, 994 3, 975	44, 958 17, 054	39, 834 19, 300	109, 864 2, 685	46, 839 12, 355	69, 563 7, 000	156, 873 33, 690	31, 658 7, 150	48, 760 34, 695
Municipal thous, of dolls. Railways thous, of dolls. Bond sales (U. S.):	1, 523 0	5, 000 1, 450 0	33, 650 13, 505 0	650, 141 7, 039 0	25, 764 28, 254 0	8, 057 18, 097 1, 750	8, 000 12, 534 0	35, 444 1, 735 70, 000	7, 714 2, 520 24, 250	60, 000 2, 563 0	112, 404 10, 779 0	15, 150 9, 358 0	12, 150 1, 915 0
Corporation— Total—————thous, of dolls— Class of industry—	51, 997	155, 934	252, 918	250, 590	456, 678	401, 229	88, 226	580, 706	187, 644	141, 855	213, 795	346, 887	189, 866
Industrialthous, of dolls Land and build-	9, 197	15, 439	6, 350	4,850	96, 932	82, 400	2, 925	69, 173	21, 889	10, 562	44, 605	10, 273	84, 714
ingsthous. of dolls Oithous. of dolls Public utilitiesthous. of dolls Railroadsthous. of dolls	2, 650 400 27, 456 12, 295	1, 651 0 136, 800 0	3, 813 5, 000 220, 416 16, 113	10, 415 2, 000 219, 025 22, 500	7, 577 4, 940 305, 661 6, 000	3, 765 2, 053 101, 393 200, 018	6, 405 0 64, 266 12, 000	8, 021 1, 500 324, 108 175, 004	30, 002 0 116, 778 14, 250	15, 365 4, 250 89, 738 7, 600	8, 740 35, 750 104, 642 5, 000	15, 615 0 172, 243 76, 254	3, 101 0 48, 071 41, 516
Shipping and mis- cellaneousthous, of dolls_	0	2, 044	1, 226	800	35, 568	11, 600	2, 630	2, 900	4, 725	14, 340	15, 058	72, 501	9, 363
Purpose of issue— New capital thous, of dolls. Refunding thous, of dolls. Type of security—	46, 197 5, 800	115, 070 40, 864	131, 343 121, 575	169, 360 81, 230	267, 471 189, 207	269, 030 132, 199	74, 251 13, 975	399, 848 180, 858	180, 87 <i>2</i> 6, 772	137, 622 4, 233	151, 148 62, 647	62, 317	121, 516 6, , 350
Bonds and notesthous. of dolls Stocksthous. of dolls Bond sales on N. Y. Stock Exchange:	39, 835 12, 162	153, 814 2, 120	247, 034 5, 884	190, 065 60, 525	354, 969 101, 709	391, 758 9, 471	61, 460 26, 766	535, 404 45, 302	114, 135 73, 509	123, 417 18, 438	183, 659 30, 136	285, 112 61, 775	132, 193 56, 673
Miscellaneousthous. of dolls Liberty—Treasurythous. of dolls Totalthous. of dolls Foreign governmentsthous. of dolls Foreign loans in the United	191, 035 8, 675 199, 710 0	219, 615 8, 284 227, 899 0	252, 585 15, 167 267, 752 0	221, 256 14, 431 235, 687 0	215, 661 12, 127 227, 788 0	238, 298 8, 723 247, 021 0	174, 535 19, 911 194, 446 0	247, 308 16, 809 264, 117 0	250, 707 15, 055 265, 762 0	182, 906 6, 640 189, 546 9, 500	264, 357 7, 773 272, 130 0	221, 327 9, 631 230, 958 52, 900	167, 584 4, 951 172, 535 2, 680
States and municipalities:	0	2, 500	38, 800	2 69, 184	2 44, 303	13, 791	8, 707	95, 657	22, 377	5, 662	103, 545	59, 650	19, 680
Permanent loansthous. of dollsthous. of dollsthous. of dolls	75, 101 90, 521	² 92, 070 ³ 45, 602	2 120, 041 2 30, 892	² 169, 022 ² 24, 785	111, 395 196, 598	279, 327 64, 975	119, 589 250, 436	49, 977 69, 697	97, 703 76, 531	93, 982 80, 422	158, 380 81, 222	79, 578 76, 501	98, 514 26, 406

[•] Revised.

EXPLANATORY

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

SOURCES OF DATA

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

HISTORICAL DATA

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

RELATIVE AND INDEX NUMBERS

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

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

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

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

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

SEASONAL ADJUSTMENTS TO INDEXES

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

METHODS OF USE

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

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