# UNITED STATES DEPARTMENT OF COMMLRCE WASHINGTON <br> SURVEY OF GURRENT BUSINESS 

MARCH, 1930
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## PRELIMINARY SUMMARY FOR FEBRUARY

The volume of commercial transactions during February, as based upon weekly check payments, was lower than in February, 1929. Activity in steel plants was greater than in the previous month but was lower than in February, 1929.

Factory employment in Detroit was substantially lower than a year ago. The output of crude petroleum was on about the same level as in February, 1929.

Movement of goods through primary channels, as reflected by data on car loadings, was larger than in January but smaller than a year ago. The volume of new-building contracts awarded during the month was lower than in either the previous month or February of the preceding year.

The general index of wholesale prices was lower
than in the previous month, registering a decline also from a year ago. Prices for wheat averaged lower than in either period, while cotton prices and iron and steel prices also showed declines from both periods.
Bank loans and discounts were lower than in the preceding month but were higher than a year ago. Interest rates were generally lower than in February, 1929. Brokers' loans showed practically no change at the end of February from the preceding month but were substantially lower than a year ago. Prices for stocks averaged higher than in January but were lower than last year. Bond prices showed only slight change from the previous month but were lower than a year ago. Business failures were larger in number than in February, 1929.

## MONTHLY BUSINESS INDICATORS, 1923-1930

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


## MONTHLY BUSINESS INDICATORS

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

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

| ITEM | MONTHLY AVERAGE |  |  |  |  |  |  | 1929 |  |  |  |  |  |  |  |  |  |  |  | $\frac{1930}{\text { Jan. }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | Jan | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |  |
|  | 19231925 monthly average $=100$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Industrial production: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| - Totalmanufacturing | 101.0 | 94.0 | 105.0 | 108.0 | 106.0 | 111.0 | 119.0 | 117.0 | 117.0 | 120.0 | 123.0 | 124.0 | 128.0 | 125.0 | 124.0 | 122.0 | 117.0 | 105.0 | 96.0 | 102.0 |
| - Total minorals | 105.0 | 96.0 | 99.0 | 107.0 | 107.0 | 106.0 | 115.0 | 117.0 | 120.0 | 107.0 | 115.0 | 116.0 | 112.0 | 114.0 | 115.0 | 118.0 | 118.0 | 110.0 | 116.0 | 112.0 |
| Pigiron | 111.7 | 86.7 | 101.5 | 109.0 | 101.0 | 105. 5 | 117.9 | 115.2 | 107.3 | 124.3 | 122.6 | 130.5 | 124.4 | 126.7 | 125.7 | 117.1 | 120.1 | 106.5 | 94.9 | 94.6 |
| Steel ingots | 104.8 | 88.7 | 106. 4 | 113.1 | 104.6 | 120.2 | 130.6 | 129.9 | 125.1 | 146.3 | 142.8 | 152.5 | 141.2 | 139.9 | 142.5 | 130.5 | 130.5 | 101.6 | 83.8 | 109.5 |
| Automobiles | 101.7 | 908 | 107. 5 | 108.4 | 85.7 | 109.0 | 135.1 | 121.3 | 141.1 | 177.1 | 188.1 | 182.9 | 165.1 | 151.5 | 150.8 | 125.8 | 114.9 | 65. 8 | 36.3 | 82.6 |
| Coment. | 92.1 | 99.8 | 108.1 | 110.0 | 116.3 | 118.0 | 114.1 | 79.5 | 68.6 | 80.2 | 110.6 | 129.9 | 135.2 | 139.3 | 149.5 | 138.6 | 134.6 | 113.1 | 80.2 | 68.4 |
| Cotton (consumption) | 105.8 | 89.7 | 104. 4 | 108.5 | 1202 | 106. 7 | 114.6 | 130.2 | 115.9 | 123.1 | 123.1 | 130.3 | 111.1 | 106.6 | 108.7 | 106.3 | 124.9 | 106.0 | 88.4 | 112.5 |
| Wool (consumption). | 112.8 | 94. 6. | 92.6 | 85.7 | 870 | 94.7 | 103.1 | 114.0 | 101.3 | 102.7 | 103.8 | 102.9 | 83.0 | 99.8 | 111.1 | 105.0 | 125. 3 | 38.5 | 79.8 | 82.1 |
| Eaw material output: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Animal products. | 100.0 | 104.0 | 96.0 | 96.0 | 97. 113 | 99.0 117.0 | 99.2 | 96.0 112.5 | 80.0 81.9 | 88.0 72.6 | 99.7 57.4 | 108.9 51.1 | 11.8 <br> 56.3 |  | 130.0 | 98.7 | 102.6 | $\begin{array}{r}95.2 \\ 154.6 \\ \hline\end{array}$ | 93.0 139.2 | 93.5 96.4 |
| Frorest products | 91.9 98.0 | 104.0 87.0 | 104.0 | 109.0 <br> 88.0 | 113.3 <br> 83.0 | 17.0 88.2 | 114.2 85.4 | 82.0 | 74.0 | 86.0 | 51.4 90.2 | 98.6 | 89.9 89 | 88.3 | 91.8 | 80.3 | 89.2 | 82.0 | 69.6 | 67.1 |
| Crude petroleum | 994 | 98. 8 | 103.7 | 104.6 | 122.3 | 122.4 | 136. 5 | 133.6 | 123.3 | 134.4 | 130.5 | 137.5 | 135.9 | 148.8 | 150.3 | 142.2 | 143.5 | 127.3 | 130.9 |  |
| Bituminous coal. | 108.0 | 92.5 | 99.5 | 1097 | 89.0 | 95.8 | 100.5 | 118.1 | 108.5 | 90.3 | 84.7 | 92.2 | 87.4 | 93.3 | 100.7 | 102.2 | 117.6 | 104.9 | 106.1 | 114.2 |
| Copper. | 93.4 | 100. 2 | 106.4 | 110.2 | 104.9 | 114.9 | 127.1 | 130.9 | 128.6 | 142.1 | 143.9 | 141. 6 | 124.9 | 120.1 | 119.6 | 120.4 | 125. 2 | 115.1 | 113.4 | 102.5 |
| Power and construction: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Electric power.....--.-......-. | 92.5 | 98. 1 | 109.5 | 122.6 | 133.3 | 146.0 | 161.7 |  |  | 117.1 |  |  |  |  |  |  | 98.9 | 16.4 |  |  |
| Building contracts (37 States) | 89.7 | 82.7 | 117.6 | 111.0 | 108. 8 | 121.4 |  |  | 81.8 | 117.1 | 128.0 | 122.4 | 109.7 | 113.7 | 100.5 | 90.2 | 98.8 | 76.9 | 66.3 | 49.6 |
| Unfilled orders: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| General inder. | 121.7 | 87.0 | 91.3 | 84.6 | 74.0 | 76.2 | 80.8 | 768 | 79.5 | 85.5 | 93.1 | 88.4 | 83.4 | 82.1 | 76.0 | 76.8 | 76.8 | 73.7 | 77.7 | 79.9 |
| U. S. Steel Corporation. | 125. $\varepsilon$ | 836 | 90.6 | 82.1 | 71.1 | 80.7 | 87.1 | 86.1 | 86.8 | 92.4 | 92.7 | 90.1 | 89.2 | 85.6 | 76.6 | 81.7 | 85.6 | 86.4 | 92.5 | 93.6 |
| Stocks: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| General Inder | 04.5 | 102.0 | 103.5 | 114.6 | 120.8 | 123.0 | 136.8 | 139.1 | 137.7 | 134.0 | 129.9 | 122.8 | 120.2 | 121.8 | 127.2 | 139.2 | 154.8 | 156.5 | 158.0 | 144.1 |
| Mantd, commodities (28) | 93.8 | 103.2 | 103.0 | 106.3 | 112.5 | 117.4 | 120.1 | 127.0 | 127.3 | 124.2 | 121. 5 | 1204 | 12:. 1 | 120. 3 | 115.7 | 113.8 | 113.9 | 115.6 | 118.9 | 122.0 |
| Cotton | 102.5 | 91.4 | 106. 2 | 145. 5 | 153.1 | 123.6 | 126.8 | 169.8 | 149.5 | 130.5 | 109.9 | 88.4 | 70.9 | 54, 2 | 58.2 | 106.8 | 177.5 | 159.8 | 206.4 | 192.5 |
| Copper (reflned) | 106. 4 | 113.8 | 73.1 | 64.8 | 88.4 | 58.4 | 78.4 | 55.4 | 48.8 | 46.8 | 50.8 | 62.2 | 73.4 | 86.3 | 92.2 | 83.7 | 78.1 | 111.7 | 151.3 | 179.7 |
| Employment: | 104 | 08 | 09.7 | 101 |  |  |  | 97, 4 | 997 | 101.3 | 1018 | 101.6 | 101. | 100.7 |  |  |  |  |  |  |
| Prices: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Farm products, to producers. | 97.8 | 97.1 | 108.5 | 98.6 | 94.9 | 100. 7 | 100.0 | 86.4 | 95.6 | 101.4 | 100.0 | 98. 6 | 97.8 | 101. 4 | 103.6 | 102. 2 | 101.4 | 98. 6 | 97.8 | 97.1 |
| Wholesale, ali commodities. | 09.8 | 97.4 | 102.8 | 99.3 | 94.7 | 97.0 | 95.8 | 20. 5 | 96.0 | 86.8 | 96. 1 | 95.1 | 95.7 | 97.3 | 97.0 | 96.8 | 95.6 | 83.7 | 93.5 | 92.8 |
| Retail food.... | 97.8 | 97.6 | 104.8 | 107.6 | 103. 6 | 102.9 | 104.6 | 103.3 | 103.2 | 102.2 | 101.3 | 102.4 | 103.4 | 105.9 | 107.0 | 107. 4 | 107.2 | 106.7 | 105.6 | 103.8 |
| Cost of living (including food). | 98. 2 | 90.4 | 102.4 | 102.4 | 100.0 | 98.7 | 98.4 | 98.2 | 98.2 | 97.6 | 97.0 | 97. 0 | 97.6 | 98.8 | 99.4 | 99.4 | 99.4 | 99.3 | 98.7 | 97.4 |
| Distribution (values): |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wholesale trade. | 101. 0 | 88.0 | 1020 | 101.0 | 97.0 | 96.0 | 98.0 | 101.1 | 96.3 | 87.0 | 100.0 | 102.0 | 97.0 | 101. 0 | 103.0 | 99.0 | 100.0 | 80.0 |  |  |
| - Department stores, sales | 98.0 | 98.0 | 103. 0 | 108.0 | 107.0 | 108.0 | 110. 0 | 105.0 | 110.0 | 113.0 | 105.0 | 107. 0 | 112.0 | 106.0 | 112.0 | 123.0 | 109.0 | 107. 0 | 115.0 | 101. 0 |
| Mail-order sales, 2 houses | 89.2 | 88.1 | 112.7 | 120.2 | 126. 2 | 147.6 | 187.2 | 144.9 | 141.8 | 163.31 | 170.0 | 168.2 | 176.4 | 163.0 | 183.7 | 192.8 | 242.3 | 225.3 | 275.2 | 138.0 |
| - 10-cent ehains, sales. | 88.0 | 99.0 | 113.0 | 125.0 | 138.0 | 150.0 | 164.0 | 145.8 | 156.9 | 167.4 | 153.0 | 172.0 | 174. 0 | 162.0 | 174.0 | 168.0 | 159.0 | 166.0 | 165.0 | 152.0 |
| Imports. | 97.8 | 93.1 | 109.0 | 114.3 | 108.0 | 105. 5 | 113.5 | 114.2 | 114. 4 | 118.8 | 127.1 | 123.9 | 109. 4 | 109. $¢$ | 114.3 | 108.8 | 121.1 | 104.8 | 96.1 | 96.6 |
| Exports | 01.6 | 100.8 | 107.8 | 105. 5 | 106.8 | 112.6 | 115.2 | 128.6 | 116. 4 | 129.0 | 112.2 | 101.4 | 103. 6 | 106. 2 | 100.4 | 115. 3 | 139.6 | 116.5 | 112.4 | 109.8 |
| Transportation: <br> Freight, net ton miles. | 102.2 | 95.8 | 101.9 | 109.1 | 106.0 | 106.5 | 109.9 | 104.8 | 102. 2 | 107.8 | 102.7 | 112.6 | 109.1 | 112.5 | 120.4 | 118.5 | 128.1 | 103.8 | 96.6 |  |
| Finance: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Member bank loans and discounts | 94.1 | 98.8 | 107.4 | 112.9 | 117.3 | 126.8 | 135.9 | 128.7 | 130.6 | 132.4 | 131.3 | 129.3 | 135. 1 | 136.2 | 135.3 | 139.1 | 151.1 | 141.3 | 140.9 | 133.1 |
| Interest rate (commercial paper).. | 116.2 | 90.0 | 93. 5 | 100.9 | 95.4 | 112.8 | 135. 7 | 124.8 | 127.6 | 136.4 | 138.2 | 139.2 | 139.2 | 139.2 | 142.2 | 145.0 | 145.0 | 133.4 | 116.0 | 113.2 |
| Federal reserve ratio. | 99.0 | 104.1 | 96.9 | 90. 0 | 99.1 | 89.1 | 93.4 | 89.9 | 90.5 | 92.6 | 94.9 | 96.5 | 94.4 | 96.4 | 97.7 | 94.2 | 89.9 | 93.0 | 90.2 | 101.4 |
| Price, corporation bonds ......... | 98.4 | 99.8 | 103.8 | 108.0 | 112.5 | 113.0 | 106.5 | j10.8 | 109.6 | 108.0 | 107.6 | 106. 7 | 105.4 | 104.9 | 1041 | 103.9 | 105.2 | 105.0 | 107.1 | 106.8 |
| Price, railroad stocks... | 86.0 | 96.1 | 117.9 | 133.4 | 182.7 | 174.5 | 194. 3 | 189.3 | 188.3 | 184.9 | 183.7 | 184.4 | 192.1 | 213.4 | 216.3 | 217.7 | 203.5 | 176. 2 | 181.4 | 180.6 |
| Price, industrial stocks. | 86.1 | 91.9 | 122.0 | 132.4 | 171.4 | 214.8 | 292, 6 | 275.0 | 280.3 | 283.7 | 285.8 | 200.3 | 297.8 | 330.8 | 344. 5 | 358.5 | 316.3 | 219.4 | 229.3 | 235.5 |
| Fallures (liabilities).. | 106.0 | 106.8 | 87.2 | 80.4 | 102.2 | 96.2 | 95.0 | 127.1 | 80.3 | 85.7 | 83.2 | 97.2 | 74.0 | 76.5 | 79.6 | 80.5 | 73.9 | 122.8 | 159.1 | 144.3 |

[^0]
## BUSINESS CONDITIONS IN JANUARY

## PRODUCTION

Manufacturing output in January, after adjustments for the usual seasonal changes, was on a higher level than in the previous month but showed a decline from a year ago. All major groups showed decrease activities from a year ago except leather and shoes which was greater. All manufacturing groups showed gains over the preceding month except nonferrous metals and tobacco manufactures, which declined, and food products which showed no change. Mineral production, after adjustments for seasonal variations, was lower in January than in either the preceding month or January, 1929. All products of the mines
ber, and chemicals and oils being more than offset by declines in iron and steel, leather, rubber, and paper.

## SALES

The general index of unfilled orders for manufactured goods at the end of January showed a gain of more than 10 per cent over both the preceding month and corresponding month of 1929 . As compared with the preceding month all groups included within the general index showed gains in January. Declines from a year ago in unfilled orders for textiles and lumber were more than offset by gains in iron and steel and transportation equipment, principally railroad.

## MANUFACTURING PRODUCTION BY MAJOR GROUPS

[Relative numbers, monthly a verage 1923-1925 taken as 100, adjusted for seasonal variations]


showed smaller output than in either prior period, except petroleum and silver, which showed gains over the preceding month, and zinc which showed increases over both the previous month and January of last year. The largest decline from a year ago was recorded in the output of copper, where the decrease amounted to 22 per cent.

## COMMODITY STOCKS

The weighted index of commodity stocks showed a decline from the previous month, but was higher than a year ago, the increase over last year being entirely due to larger stocks of raw materials. Manufactured goods in the hands of manufacturers at the end of January, though showing a gain over the previous month, were lower than a year ago, gains over last year in the stocks of textiles, nonferrous metals, lum-

Wholesale trade showed a smaller sales volume than in January, 1929. Retail trade, as reflected by the volume of sales reported by the two principal mail-order houses, was lower than in either the preceding month or January, 1929. Department-store sales, after adjustments for seasonal consideration, also showed lower volume as compared with both prior periods. Tencent store business was greater than a year ago. Sales by grocery chains were likewise larger than in January of the previous year.
Imports of merchandise into the United States during January were fractionally higher than in December but showed a decline of almost 20 per cent in value from a year ago. Merchandise exports were not only smaller than in December but showed a considerable contraction also from Tonnary of thn nmavin.... ......

## PRICES

The general index of wholesale prices was lower in January than in either the preceding month or the corresponding month of last year. All groups included within the index showed declines from both periods, except house-furnishing goods, which showed an increase over a year ago, and building materials, which were unchanged from either period. The principal declines from a year ago was registered in the prices for hides and leather, textiles, and farm products, where decreases ranged for the group totals from 4 to 8 per cent. Classified by the condition of manufacture the general index, with a decline of 4 per cent from a year ago, showed a decrease of 5 per cent in raw materials, prices for manufactures and semimanu-
prices for grains, poultry and dairy products, and cotton and cottonseed.

## EMPLOYMENT

Factory employment in January, as measured by the general index, showed a decline of 2 per cent from the preceding month and 4 per cent from a year ago. As compared with the previous month, employment in factories producing automobiles, leather and leather products and rubber products was greater in January, while all other groups declined, except iron and steel and petroleum refining, which showed no change. Contrasted with a year ago, industrial employment gains in factories producing machinery, paper and printing, chemicals, and refined petroleum products were insufficient to offset losses in iron and steel, tex-

FACTORY EMPLOYMENT, BY GROUPS
[1926 monthly average $=100$. January, 1930, is latest month plotted]


factures showing approximately the same percentage of decline as was registered in the general index. Commercial indexes also showed declines from both the preceding month and January of the previous year.
Prices paid to farmers for their products, as reflected in the general index, were lower than in December but showed a gain approximating 1 per cent over January, 1929. Compared with a year ago, gains in the prices for grains and fruits and vegetables more than offset declines in the prices for cotton and cottonseed and poultry and dairy products. As compared with the preceding month, gains in the prices for fruits and vegetables and meat animals were insufficient to offset lower

tiles, food products, lumber, automobiles, leather products, cement, clay and glass, nonferrous metals, and rubber products. The largest declines in employment from a year ago were registered in rubber, automobile, and nonferrous metals, cement, clay and glass, and lumber factories, where declines were more than 10 per cent.
Factory pay-roll payments in January were 5 per cent lower than in December and 7 per cent lower than in January, 1929. All industrial groups showed smaller pay-roll payments than in the preceding month, except automobiles, leather, and rubber products which showed gains. Gains in pay-roll payments over a year ago in factories were not sufficient to balance declines.

## WHOLESALE PRICES FOR SPECIFIED COMMODITIES

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


## WHOLESALE PRICES FOR SPECIFIED COMMODITIES

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

| commodities | Unit | actual price(dollars) |  |  | relative prica |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1926 average $=100$ |  |  |  |  |
|  |  | $\begin{aligned} & \text { Decem- } \\ & \text { ber, } 1929 \end{aligned}$ | $\underset{1930}{\text { January, }}$ | $\begin{aligned} & \text { January, } \\ & 1929 \end{aligned}$ | November, 1929 | December, 1929 | ${ }_{1930}$ | December, 1928 | $\begin{array}{\|c\|} \hline \text { January } \\ 1929 \end{array}$ |
| FARM PRODUCTS-AVERAGE PRICE TO PRODUCER |  |  |  |  |  |  |  |  |  |
| Wheat. | Bushel. | 1. 081 | 1.075 | 0.985 | 77 | 80 | 80 | 73 | 73 |
| Corn... | Bushel | . 780 | . 773 | . 802 | 116 | 112 | 111 | 109 | 115 |
| Potatoes | Bushel. | 1. 353 | 1. 378 | . 589 | 73 | 73 | 74 | 31 | 32 |
| Cotton- | Pound...... | ${ }_{30} .160$ | ${ }_{28}{ }_{9}^{158}$ | ${ }_{38} .179$ | 107 | 106 | 105 | 119 | 119 |
| Cottonseed | Pound.......- | . 0848 | 28.0869 | 38.0597 | 134 | 131 | 135 | 138 | 140 |
| Hogs.... | Pound | . 0853 | . 0880 | . 0818 | 72 | 72 | 75 | 67 | 69 |
| Lambs | Pound. | 1. 076 | . 1110 | . 1223 | 93 | 93 | 96 | 89 | 106 |
| FARM PRODUCTS-MARKET PRICE |  |  |  |  |  |  |  |  |  |
| Wheat, No. 1, northern spring (Minneapolis). | Bushel. | 1.31 | 1. 27 | 1.21 | 81 | 83 | 80 | 73 | 77 |
| Wheat, No. 2, red, winter (St. Louis)-...-... | Bushel.....- | 1.35 | 1.34 1.19 | 1.42 | 88 | 87 | 86 80 | 90 | ${ }_{77}^{92}$ |
| Wheat, No. 2, hard, winter (Kansas City) Corn, No. | Bushel | 1.21 .88 | 1.19 .85 | 1.14 .93 | 80 117 | 81 117 | 80 113 | 75 111 | $\begin{array}{r}77 \\ 124 \\ \hline\end{array}$ |
| Oats, No. 3, white (Chicago). | Bushel. | . 45 | . 45 | . 50 | 110 | 110 | 110 | 112 | 122 |
| Barley, No. 2, (Minneapolis) | Bushel | - 59 | - 58 | . 66 | 94 | 92 | 91 | 97 | 103 |
| Rye, No. 2, (Minneapolis) --. | Bushel- | . 98 | . 91 | 1. 01 | 103 | 107 | 99 | 105 | 110 |
| Cotton, middling upland (New York) | Pound.... | . 173 | . 178 | - 202 | 100 | 99 | 99 | 117 | 115 |
| Wool, $1 / 2$ blood combing, Ohio and Pennsylvania fleeces (Boston). | Pound.... | ${ }^{-41}$ | ${ }^{12} 38$ | ${ }^{5} 5$ | 94 | 89 | 83 | 120 | 120 |
| Cattle, steers, good to choice, corn fed (Chicago) | Cwt. | 12.125 | 12.469 | 13.531 | 133 | 127 | 131 | 148 | 142 |
| Hogs, heavy (Chicago) | CWt | 9.465 | ${ }^{9.613}$ | 9. 100 | 75 | 77 | 78 | 71 | 74 |
| Sheep, ewes (Chicago).-. | CWt. | 12.000 | -12. 675 | 15.594 | 76 87 | 88 | ${ }_{93}^{95}$ | 95 101 | 112 |
| FOOD |  |  |  |  |  |  |  |  |  |
| Flour, standard patents (Minneapolis) | Barrel....... | 6. 880 | 6. 750 | 6. 340 | 79 | 82 | 80 | 73 | 75 |
| Flour, winter straights (Kansas City) | Barrel....... | 5.950 | 5. 844 | 5. 519 | 82 | 82 | 81 | 76 | 76 |
| Sugar, $96^{\circ}$ centrifugal (New York) | Pound. | . 038 | . 037 | . 038 | 87 | 87 | 86 | 91 | 88 |
| Sugar, granulated, in barreis (New York) |  | . 080 | . 051 | . 050 | 92 | ${ }_{74}^{91}$ | 93 | 94 | 92 |
| Cottonseed oil, prime yellow (New York) | Pound.-.-.-. | . 087 | . 084 | . 103 | 76 | 74 | 71 | 87 | 87 |
| Beel, fresh, carcass, good native steers (Chicago) | Pound.- | . 240 | . 240. | . 240 | 146 | 146 | 146 | 149 | 146 |
| Beef, fresh, carcass, steers (New York) | Pound. | . 235 | . 235 | . 245 | 138 | 138 | 138 | 144 | 144 |
| Pork smoked hams (Chicago)--.--- | Pound | . 215 | . 37 | . 48 | ${ }_{96} 7$ | ${ }_{91}^{70}$ | 88 | ${ }^{79} 113$ | 76 107 |
| Oleomargarine, standard, uncolored (Chicago) | Pound. | . 235 | . 235 | . 235 | 103 | 103 | 103 | 103 | 103 |
| TEXTILES |  |  |  |  |  |  |  |  |  |
| Cotton yarns, carded, white northern, mule spun, 22-1-cones (Boston) | Pound...... | . 340 | . 323 | . 382 | 96 | 95 | 90 | 106 | 107 |
| Cotton-print cloth $64 \times 60-3813^{\prime \prime \prime}-5.35-\mathrm{yards}$ to pound.............- | Yard.. | . 089 | . 068 | . 076 | 100 | 92 | 90 | 103 | 101 |
| Cotton sheeting, brown 4/4 Trion (New York) --...---1.-.-.-..... | Yard. | . 084 | . 083 | - 090 | 94 | 91 | 89 | 97 | 97 |
| Worsted yarns, $2 / 32$ 's cross-bred stock, white, in skein (Boston) | Pound | 1.400 | 1. 3775 | 1. 575 | 99 | 98 | 96 | 110 | 110 |
| Women's dress goods, French, 39 inches, at mills, serge | Yard. | . 975 | . 975 | . 975 | 94 | ${ }_{95}^{94}$ | 94 | 94 | 94 |
| Suitings, unfinished worsted-13-ounce, mill | Yard.......- | 1. 901 | 1. 8389 |  | ${ }_{90}^{95}$ | 95 | 91 | 100 | 100 |
| Suitings, serge, 11-0unce, 56-58 inch | Yound.-..... | 1.959 4.580 | 1.959 4.630 | 1. 9883 4.998 | 90 76 | 90 74 | 90 | 92 | 92 |
| Silk, Japan, 13-15.....-- ${ }^{\text {Hosilery, women's pure sill }}$ | Dozen pair-. | 4. 5800 9.000 | 4. 6300 9.000 | 9. 900 | 78 | 74 | $\begin{aligned} & 75 \\ & 78 \end{aligned}$ | 81 82 | 81 82 |
| LEATHER |  |  |  |  |  |  |  |  |  |
| Hides, green salted, packers' heavy native steers (Chicago). | Pound. | . 160 | . 163 | . 205 | 117 | 114 | 116 | 161 | 146 |
| Hides, calfskins, No. 1 country, 8 to 15 pounds (Chicago) | Pound-1...- | . 174 | . 176 | . 219 | 103 | 101 | 102 | 144 | 126 |
| Leather, chrome call, dull or bright " $\mathrm{B}^{\prime}$ " grades (Boston) | Square foot-- | 480 | . 460 | . 530 | 106 | 106 | 102 | 110 | 117 |
| Leather, sole, oak, scoured backs, heavy (Boston)--..- | Pound..-.--- | $\cdot{ }^{-520}$ | - 495 | - 590 | 124 | 119 | 113 | 135 | 135 |
| Boots and shoes, men's black calf, blucher (Massachusetts) | Pair. | 6. 750 | 6. 750 | 6. 750 | 106 | 106 | 106 | 106 | 106 |
| Boots and shoes, men's dress welt tan calf oxtord (St. Louis). | Pair | 4.850 | 4. 850 | 4.850 | 100 | 100 | 100 | 100 | 100 |
| FUEL |  |  |  |  |  |  |  |  |  |
| Coal, bituminous, mine-run (composite price)---- Coal, bituminous, prepared sizes (composite | Net ton..... | 3. 4 4.580 5 | 3. 4.982 | 4. 035 4.576 | 93 | $\stackrel{92}{94}$ | ${ }_{94}^{92}$ | ${ }_{95}^{93}$ | ${ }_{95}^{94}$ |
| Coal, anthracite, chestnut (composite price) .-... | Long ton... | 12.999 | 13.033 | 13. 107 | 94 | 94 | 95 | 95 | 95 |
| Coke, Connellsville (range of prompt and future), furnace-at ovens- | Short ton-..- | 2. 640 | 2. 588 | 2. 750 | 65 | 64 | 63 | 67 | 67 |
| Petroleum, crude, Kansas-Oklahoma-at wells.---...................- | Barrel...... | 1. 300 | 1. 229 | 1. 185 | 69 | 69 | 65 | 64 | 63 |
| metals |  |  |  |  |  |  |  |  |  |
| Pig iron, foundry No. 2, northern (Pittsburgh) - | Long ton-..- | 20. 260 | 20. 260 | 19. 260 | 98 | 98 | 98 | 95 | 93 |
| Pig iron, basic, valley furnace.- | Long ton-.-- | 18.500 | 18.500 | 17.500 | 100 | 100 | 100 | 94 | 94 |
|  | Long ton.. | 34.600 | 34.000 | 33.000 | 100 | 99 | 97 | 94 | 94 |
| Copper ingots, electrolytic, early delivery (New York) | Pound...... | . 1778 | . 1778 | . 1660 | 129 | 129 | 129 | 115 | 120 |
|  | Pound...-- | . 233 | . 233 | . 213 | 122 | 122 | 122 | 108 | 112 |
| Lead, pig, desilverized, for early delivery (New York) | Pound.- | . 0625 | . 0625 | . 0665 | 75 | 74 | 74 | 77 | 79 |
| Tin, straits (New York) --.... | Pound.. | . 3979 | . 3891 | 4916 | 62 | 61 | 60 | 77 | 75 |
| Zinc, slab, western (St. Louis). | Pound | . 0567 | . 0523 | . 0635 | 85 | 77 | 71 | 87 | 87 |
| building material and misceldandeous |  |  |  |  |  |  |  |  |  |
| Lumber, pine, southern, yellow flooring, mill Brick, common red, domestic building (New | M feet.....- | 33.000 10.000 | 37.220 10.500 | 36. 550 | 80 | 84 | ${ }_{64}^{83}$ | ${ }_{73}^{82}$ | 818 |
| Cement, Portland, net without bags to trade, f. o. b. plant (Ohicago | Thousand..- | 10.000 | 10.500 | 11.500 | 61 | 61 | 64 | 73 | 70 |
|  | Barrel | 1. 555 | 1. 576 | 1. 650 | 87 | 89 | 89 | 95 | 90 |
| Steel beams, mill (Pittsburgh) | Cwt | 1. 900 | 1. 900 | 1.900 | 97 | 97 | 97 | 97 | 97 |
| Rubber, smoked sheets (New York)... | Pound...-. | . 160 | . 15.150 | - 2001 | 34 | 33 | 31 | 37 | 41 |
| Sulphuric acid, 66 ${ }^{\circ}$ (New York) ${ }^{\text {Wood pulp, sulphite domestic unbleached, }}$, | Ton........ | 15.500 | 15.500 | 15. 500 | 107 | 107 | 107 | 107 | 107 |
| Wood pulp, sulphite, domestic, unbleached, news grade (New York). Newsprint, rolls, contract, mill. | Cwt. | 2. 3.600 | 2. ${ }^{6} 600$ | 2. ${ }^{2} 450$ | 91 94 | 91 | 91 | 87 | 86 |
|  | Cwt | 3. 250 | 3. 250 | 3. 250 | 94 | 94 | 94 | 94 | 94 |

## MEASURES OF INDUSTRIAL AND COMMERCIAL ACTIVITY

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


## REVIEW OF PRINCIPAL BRANCHES OF INDUSTRY AND COMMERCE

## TEXTILES

Imports of wool in January were greater than in December and smaller than a year ago. Wool consumption was greater than in December but showed a decline from January, 1929. Prices for wool and yarns averaged lower than in either the previous months or the same month of last year.

Exports of cotton during January showed decines from both the previous month and January a year ago. Consumption of cotton by domestic mills was greater than in the preceding month but showed a decline

Cotton finishers reported larger billings and orders than in December and declines from a year ago. Stocks of finished goods in the hands of finishers at the end of January were lower than a year ago. Unfilled orders at the end of the month were greater than at the end of the preceding month but showed a decline from last year.
The imports of silk were smaller in January than in either the previous month or January a year ago. Silk deliveries to consuming establishments were greater than in either period. Stocks of silk at manu-

## THE TEXTILE INDUSTRIES

[Relative numbers, monthly average 1923-1925, taken as 100. January, 1930, is latest month plotted. Curves covering imports of wool and exports of cotton are plotted from 12 months' moving monthly averages plotted on the end month




from a year ago. Stocks of cotton held at the end of January at mills and in public storage were substantially greater than a year ago. Cotton prices were generally lower in January than in either the previous month or the same period of 1929.

Cotton machinery was more active in January than in the previous month but, as in the case of cotton consumption, showed a decline from a year ago. The production and shipments of cotton textiles were greater than in the previous month but were lower than a year ago. Stocks of cotton textiles at the end of January were considerable larger than a year ago.
acturing plants at the end of January were greater than at the end of either the preceding month or January, 1929. Warehouse stocks were smaller than in December but showed a substantial gain over a year ago. Silk looms and spindles were more active in January than in either the preceding month or the same period of 1929. Prices for raw silk were higher than in December but showed a decline from a year ago.
tivatit
Rayon imports were lower than in either period. Rayon prices showed no change of the preceding month but were lower than a year ago.

## METALS

The production of pig iron in January was lower than in either the previous month or January, 1929. More furnaces were in blast at the end of the month than at the end of December, but a decline was registered from a year ago.

* The production of steel ingots was greater than in the previous month but declined from a year ago. Unfilled steel orders at the end of January were larger than at the end of either the previous month or January of last year.

The output of steel sheets by independent mills was greater than in December but showed a decline from a
boilers, measured by the area of heating surface, showed a gain over the previous month but declined from a year ago. Shipments of cold-finished steel bars were larger than in December but showed a decline from a year ago. Iron and steel exports were larger than in December but were smaller than in January, 1929.

Shipments of enameled sanitary ware by manufacturers were smaller than in either the preceding month or January a year ago. New orders likewise showed declines from both periods. Stocks were somewhat higher at the end of January than at the end of the preceding month but were lower than a year ago.

THE METAL INDUSTRIES
[Relative numbers, monthly average 1923-1925, taken as 100. January, 1930, is latest month plotted]

year ago. Thecks of sheets in the hands of manufacturers $\mathrm{at}^{\text {te }}$ the end of the month were lower than a year ago. Unfilled orders for sheets also declined from last year. Wholesale prices for steel averaged lower in January than in either the previous month.

The production of steel castings was lower than in December but showed a gain over a year ago. New orders were greater than in December but declined from last year.

New orders and shipments of fabricated structural steel were smaller than in either the previous month or January, 1929. New orders for fabricated steel plate showed gains over both periods. New orders for steel

New orders for foundry equipment were lower than in either period, but unfilled orders at the end of the month, though declining from the previous month, were greater than a year ago. Shipments were larger than in either the previous month of January of last year. New sales of mechanical stokers were lower than in either period. New orders for machine tools were greater than in December but declined from a year ago. Unfilled orders at the end of the month were fractionally larger than in December but showed a loss from last year.

The production of copper was lower in January than in either the previous month or the corresponding
period of 1929. Stocks of refined copper in North and South America at the end of January showed a substantial gain over a year ago.

## FUELS

The production of bituminous coal was smaller than in January of last year. Exports showed a decline from the preceding month but were greater than a year ago. Prices averaged slightly higher than in December.

The production of anthracite coal was smaller than a year ago. Stocks of anthracite at the end of December in dealers' yards were lower than a year ago. Prices both at wholesale and retail were also lower than last year.

Imports of rubber were greater than in December but showed a decline from a year ago. The production and shipments of pneumatic tires were larger than in the preceding month but showed decline from January, 1929.

## hides and leather

Imports of hides and skins were smaller than in December but showed a gain over a year ago. The production of sole leather was greater in January than in either the previous month or January, 1929. Stocks of sole and belting leather at the end of December were smaller than a year ago. Exports showed a gain over the previous month and a decline from a year ago. Prices were generally lower than in either the previous

THE FUEL INDUSTRIES
[Relative numbers, monthly average 1923-1925 taken as 100. January, 1930, is latest month plotted where data were available]


The production of coke, both types, was greater than in December but showed a decline from a year ago. Exports of coke were lower than in either period. Coke prices also averaged lower. Petroleum production was greater than in January, 1929.

## AUTOMOBILE AND RUBBER

Automobile production in January was greater than in December but showed a decline from a year ago. The Canadian output of automobiles showed similar comparisons with both periods. Domestic exports were lower than in either the previous month or January, 1929. Canadian exports also showed declines in January from both periods.
month or January, 1929. The production of shoes in January was greater than in December but showed"a decline from last year. Exports were lower than in either period. Shoe prices were unchanged from either the previous month or January, 1929.

## PAPER AND PRINT

Imports of wood pulp were greater in January than in either the previous month or January, 1929. Stocks at the end of the month were considerably lower than a year ago. The domestic production of newsprint paper was greater than in either the previous month or January a year ago. The Canadian output showed declines from both periods. The consumption of news-
print by domestic publishers was smaller in January than in either period. Stocks of newsprint at the end of January held by domestic mills were considerably smaller than a year ago but the holdings at Canadian mills were substantially larger. Publishers' stocks were larger than a year ago. The production of books was lower in January than in either the preceding month or January of last year.

## BUILDING AND CONSTRUCTION

The value of new building contracts awarded in January was lower than in the same month of the pre-

The production and shipments of northern pine lumber and northern hemlock were greater than in December but were smaller than a year ago. Production of North Carolina pine was larger than in December but declined from last year, while shipments showed declines from both periods.

The production of oak and maple flooring was larger than in December but showed a decline from a year ago. Shipments of oak flooring were smaller and maple flooring were larger than in December, each showing declines from last year. New orders for flooring, both types, were greater than in December.

THE AUTOMOBILE AND RUBBER INDUSTRIES
[Relative numbers, month]y average 1923-1925 taken as 100. Where available, January, 1930, is latest month plotted]

ceding year. Building costs showed only slight change from either the preceding month or January, 1929. Firc losses in the United States and Canada were greater than in December but showed a decline from a year ago.

## LUMBER

The production and shipments of Douglas fir lumber were lower than in either the previous month or January of last year. Exports also declined from both periods, while prices were likewise generally lower.

The production and shipments of California redwood were greater than in December, with production showing a gain also over a year ago. Unfilled orders for redwood at the end of the month were substantially lower than a year ago.

Shipments of common brick were smaller than in January, 1929. Stocks of burned brick at the kilns at the end of the month were smaller than a year ago. Unfilled orders were lower than last year. Prices were higher than in December but lower than in January, 1929.

New orders of porcelain plumbing fixtures, as well as shipments, were greater than in December but each registered declines from January a year ago. Unfilled orders at the end of the month were greater than at the end of the previous month but declined from last year. Stocks were lower than a year ago.

New orders for vitreous-china plumbing fixtures were smaller than in either the previous month or

January a year ago. Shipments were larger than in December but declined from last year. Unfilled orders were greater than a year ago while stocks also showed a gain over January, 1929.

New orders for terra cotta were smaller in January than in either the previous month or January of last year. The production and shipments of sand-lime brick were smaller than in either period. Stocks at the end of the month likewise showed declines from both periods, while unfilled orders at the end of the month were lower than a year ago.

The production and shipments of Portland cement were smaller in January than in either the previous

The visible supply of corn was much smaller than a year ago, while receipts and shipments of corn at the principal markets were also smaller than last year. Prices were lower than during either the previous month or January, 1929. The visible supply of barley was smaller and that of oats considerably larger than at the end of January, 1929. Receipts of oats at the principal markets, on the other hand, were smaller than a year ago.

Receipts of cattle at the principal markets were fractionally greater than a year ago. The output of beef under Federal inspection, on the other hand, was smaller than for the corresponding period of last year.

## MOVEMENT OF GRAIN PRICES

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

month or the corresponding period of a year ago. Stocks of cement at the end of the month were slightly larger than a year ago. Wholesale prices were lower than a year ago.

## FOODSTUFFS

The visible supply of wheat in the United States and Canada at the end of January was substantially greater than a year ago. Wheat receipts and shipments at principal markets were considerably smaller than during the corresponding period of 1929, while exports of wheat from the United States showed a marked gain both from the previous month and the corresponding month of last year. Prices were slightly lower than in December but were higher than a year ago.

Cold-storage holdings at the end of January were 5 per cent greater than a year ago. Prices for beef were generally lower than at this time last year.

Receipts of hogs at the primary markets were smaller than a year ago; the output of pork products under Federal inspection were also less than a year ago. Cold-storage holdings of pork were 20 per cent lower than at the end of January, 1929, while prices generally showed a substantial advance from last year's level.

Receipts of sheep were slightly greater and production of lamb and mutton substantially larger than during the corresponding period of 1929. Prices for sheep and lambs, on the other hand, were at a considerably lower level than a year ago. Receipts of poultry at the principal markets were slightly larger
than a year ago and cold-storage holdings exceeded those at this time last year by almost 40 per cent. The receipts of butter were only slightly less than at the end of January, 1929, while cold-storage holdings were more than double those of a year ago.

As an apparent result of the large holdings, butter prices continued to decline, being 23 per cent lower than in January of last year.

Cheese receipts were larger than during the previous month but lower than a year ago, while cold-storage holdings were substantilly smaller than at the end of either prior period. Prices for cheese also declined. Receipts of eggs were practically the same as during January of last year. Cold-storage holdings, on the other hand, were much smaller than a year ago.

Sugar imports from foreign countries were 25 per cent smaller than during January, 1929. Sugar meltings were slightly less than a year ago, while stocks at refineries were nearly three times as great as a year ago. Imports of coffee were larger than during the previous month and practically the same as for the corresponding month of last year, while imports of tea were smaller than for either prior period. Prices both for coffee and tea were lower than a year ago.

## TRANSPORTATION

Freight-car loadings were only slightly larger than during December and were substantially smaller than a year ago. The decline in loadings as compared with the corresponding period of 1929 prevailed throughout every class of products for which a separate listing was reported. Clearances of vessels engaged in foreign trade showed a slight increase, both from the previous month and the corresponding month of last year.

Unfilled orders for railway locomotives were larger than at the end either of the previous month or of January, 1929.

## DISTRIBUTION MOVEMENT

Sales by mail-order houses were slightly smaller and those by 10 -cent chain stores larger than for the corresponding month of last year. Magazine and newspaper advertising, on the other hand, was slightly smaller than in January, 1929.

## BANKING AND FINANCE

Check payments, both inside and outside New York City, were smaller than during either the previous month or the corresponding month of 1929. Loans and discounts of Federal reserve member banks were also less than in December but were greater than a year ago. Brokers' loans showed only a fractional decline from the previous month but were much smaller than in January, 1929. Interest rates were almost uniformly lower than for either prior period.

## GOLD, SILVER, AND FOREIGN EXCHANGE

Receipts of domestic gold at the mint were less than during the previous month but substantially greater than a year ago. The Rand output was greater than for either prior period. Gold imports were substantially greater in December but were only about one-fourth as great as a year ago.

Silver production in the United States exceeded that of the previous month but was slightly less than in January, '1929. The Canadian production of silver, on the other hand, was greater than for either prior period. Silver prices were at a lower level than during either the previous month or the corresponding period of last year.

Rates for foreign exchange were generally lower than during the previous month, the only increase being in the Japansese yen. As compared with a year ago, on the other hand, rates with England, Netherlands, Sweden, Switzerland, and Japan showed increases, while rates with India, Canada, Argentina, and Brazil declined.

## INDEXES OF BUSINESS

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


[^1]INDEXES OF BUSINESS-Continued

| Relative to 1923-1925 monthly average as 100 | $\begin{gathered} \text { Maxi- } \\ \text { mince } \\ \text { since } \\ \text { Jan. } \\ 1923 \end{gathered}$ | $\begin{gathered} \text { Mini. } \\ \text { mum } \\ \text { since } \\ \text { Janc. }, \\ \text { ana3 } \end{gathered}$ | 1928 |  | 1929 |  |  | 1930 | per cent increase $(+)$ <br> or decrease (-) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{gathered} \text { Novem- } \\ \text { ber } \end{gathered}$ | $\begin{gathered} \text { Decem- } \\ \text { ber } \end{gathered}$ | January | $\begin{gathered} \text { Novem- } \\ \text { ber } \end{gathered}$ | $\begin{gathered} \text { Decem- } \\ \text { ber } \end{gathered}$ | January | $\begin{gathered} \text { January, } \\ \text { 1930, from } \\ \text { December, } \\ 1929 \end{gathered}$ | January, <br> January, <br> 1929 |
| PRODUCTION—Continued FOREST PRODUCTS |  |  |  |  |  |  |  |  |  |  |
| Total | 112 | 67 | 84 | 76 | 82 | 81 | 70 | 67 | -4.3 | -18.3 |
| Lumber | 112 | 59 | 79 | 71 | 78 | 77 | 65 | 59 | -1.5 | -17.9 |
| Pulpwood | 151 | 54 | 116 | 111 | 123 | 113 | 100 | 100 | 0.0 | $-18.7$ |
| Gum (rosin and turpentine)* | 204 | 18 | 119 | 122 | 41 | 142 | 127 | 48 | -62.2 | $+17.1$ |
| Distilled wood.------.-.- | 148 | 65 | 104 | 104 | 101 | 101 | 100 | 105 | +5.0 | +4.0 |
| NEW ORDERS |  |  |  |  |  |  |  |  |  |  |
| Total | 138 | 72 | 102 | 80 | 99 | 73 | 72 |  |  |  |
| Textiles | 179 | 70 | 113 | 88 | 105 | 89 | 73 |  |  |  |
| Iron and steel | 143 | 71 | 114 | 111 | 135 | 81 | 101 |  |  |  |
| Lumber | 141 | 52 | 99 | 67 | 80 | 63 | 52 |  |  |  |
| Paper and printing | 118 | 85 | 114 | 99 | 111 | 104 | 92 |  |  |  |
| Stone and clay products | 129 | 73 | 101 | 82 | 87 | 84 | 73 |  |  |  |
| STOCKS |  |  |  |  |  |  |  |  |  |  |
| Grand total | 156 | 82 | 137 | 142 | 139 | 157 | 158 | 144 | -8.9 | +3.6 |
| Total manufactured goods | 125 | 88 | 114 | 121 | 127 | 116 | 119 | 122 | $+2.5$ | $-3.9$ |
| Foodstuffs. | 136 | 79 | 87 | 97 | 107 | 104 | 110 | 108 | -1.8 | +0.9 |
| Textiles | 138 | 78 | 118 | 129 | 127 | 121 | 131 | 128 | -2.3 | +0.8 |
| Iron and steel | 157 | 78 | 143 | 147 | 152 | 134 | 135 | 147 | +8.9 | -3.3 |
| Nonferrous metal | 179 | 74 | 125 | 125 | 124 | 148 | 169 | 179 | $+5.9$ | +44.5 |
| Lumber | 125 | 78 | 107 | 113 | 116 | 113 | 116 | 118 | +1.7 | $+1.7$ |
| Stone, clay, e | 192 | 64 | 136 | 154 | 180 | 139 | 161 | 180 | +11.8 | 0.0 |
| Leather. | 123 | 66 | 75 | 77 | 76 | 74 | 75 | 74 | -1.3 | $-2.6$ |
| Rubber | 199 | 77 | 156 | 164 | 160 | 146 | 144 | 146 | +1.4 | $-8.7$ |
| Paper. | 156 | 46 | 133 | 132 | 145 | 90 | 73 | 72 | $-1.4$ | $-50.3$ |
| Chemicals and oils. | 131 | 84 | 112 | 117 | 126 | 124 | 126 | 131 | +4.0 | +4.0 |
| Total raw materials | 186 | 69 | 154 | 156 | 148 | 186 | 186 | 160 | -14.0 | +8.1 |
| Foodstuffs. | 230 | 68 | 155 | 163 | 158 | 219 | 213 | 168 | -21. 1 | +6. 3 |
| Textiles. | 204 | 43 | 170 | 173 | 161 | 195 | 204 | 189 | $-7.4$ | +17.4 |
| Metals | 136 | 54 | 126 | 97 | 89 | 122 | 115 | 100 | $-13.0$ | +12.4 |
| Chemicals and oils. | 153 | 73 | 136 | 136 | 125 | 129 | 130 | 120 | $-7.7$ | $-4.0$ |
| UNFILLED ORDERS |  |  |  |  |  |  |  |  |  |  |
| Total | 167 | 67 | 74 | 71 | 77 | 80 | 78 | 80 | +2.6 | +3.9 |
| Textiles | 154 | 52 | 72 | 72 | 75 | 55 | 52 | 55 | +5. 8 | -26. 7 |
| Iron and steel. | 157 | 66 | 76 | 83 | 86 | 81 | 87 | 90 | +3.4 | +4.7 |
| Transportation equipment | 2 | 49 | 49 | 35 | 53 | 113 | 116 | 118 | +1.7 | +122.6 |
| Lumber | 142 | 56 | 84 | 62 | 74 | 58 | 66 | 69 | +4.5 | -6. 8 |
| WHOLESALE TRADE |  |  |  |  |  |  |  |  |  |  |
| Grand total, all classes. | 124 | 82 | 99 |  |  | 96 |  |  |  |  |
| Groceries.... | 119 | 83 | 100 |  |  | 99 |  |  |  |  |
| Meats. | 130 | 87 | 117 |  |  | 112 |  |  |  |  |
| Dry goods | 128 | 70 | 90 |  |  | 83 |  |  |  |  |
| Men's clothing. | 167 | 43 | 66 |  |  | 60 |  |  |  |  |
| Boots and shoes | 130 | 68 | 105 |  |  | 91 |  |  |  |  |
| Hardware | 118 | 76 | 98 |  |  | 95 |  |  |  |  |
| Drugs. | 141 | 88 | 114 |  |  | 118 |  |  |  |  |
| Furniture | 140 | 72 | 106 |  |  | 106 |  |  |  |  |
| - RETAIL TRADE |  |  |  |  |  |  |  |  |  |  |
| Mail order houses (2 houses) | 275 | 68 | 188 | 227 | 145 | 225 | 275 | 138 | -49.8 | -4. 8 |
| Chain Stores: |  |  |  |  |  |  |  |  |  |  |
| Grocery. | 257 | 62 77 | ${ }_{219}^{158}$ | 305 221 | ${ }_{224}^{112}$ | 174 241 | 308 257 | 117 | -62.0 | $+4.5$ |
| Drug.-. | 260 | 82 | 169 | 224 | 179 | 215 | 260 |  |  |  |
| Department Stores: |  |  |  |  |  |  |  |  |  |  |
| Sales -- | 189 | 71 | 122 | 189 | 91 | 123 | 185 | 89 | -51.9 | +2. 2 |
| Stocks.-.-- | 117 | 83 | 115 | 94 | 89 | 115 | 94 | 88 | -6. 4 | -1.1 |

[^2]INDEXES OF BUSINESS-Continued

| Relative to monthly average indicated | $\underset{\substack{\text { Maxi- } \\ \text { mince } \\ \text { Jinc. } \\ \text { Jand } \\ \text { 1923 }}}{\text { M, }}$ | $\begin{gathered} \text { Minit } \\ \text { mum } \\ \text { mince } \\ \text { Jan. } 1, \\ 1923 \end{gathered}$ | 1928 |  | 1929 |  |  | 1930 | PER CENT INCREASE ( + ) OR DECREASE (一) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\underset{\text { Novem- }}{\substack{\text { bover }}}$ | $\begin{gathered} \text { Decem- } \\ \text { ber } \end{gathered}$ | January | $\begin{gathered} \text { Novem- } \\ \text { ber } \end{gathered}$ | $\begin{gathered} \text { Decem } \\ \text { ber } \end{gathered}$ | January | $\begin{gathered} \text { January, } \\ \text { 1930 from } \\ \text { December, } \\ 1929 \end{gathered}$ | January, loso from January, 1929 |
| EMPLOYMENT ${ }^{*}$ |  |  |  |  |  |  |  |  |  |  |
| (Relative to 1923-25 monthly average as 100) |  |  |  |  |  |  |  |  |  |  |
| Number employed, by industries |  |  |  |  |  |  |  |  |  |  |
| Total, all class | 106 | 91 | 99 | 98 | 97 | 98 | 95 | 93 | -2.1 | -4. 1 |
| Iron and steel. | 108 | 88 | 98 | 97 | 97 | 97 | 92 | 92 | 0.0 | -5. 2 |
| Machinery | 122 | 88 | 104 | 105 | 107 | 115 | 112 | 100 | -1.8 | +2.8 |
| Textiles--- | 111 | 84 | 96 | 197 | 96 | -97 | 94 | 93 | -1.1 | -3. 1 |
| Food products | 109 | 93 | 102 | 102 | 99 | 102 | 101 | 97 | -4. 0 | $-2.0$ |
| Paper and printing | 107 | 96 | 104 | 104 | 103 | 107 | 107 | 105 | -1. 9 | +1.9 |
| Lumber and products.-- | 104 | 85 | 91 | 88 | 86 | 88 | 82 | 77 | -6.1 | $-10.5$ |
| Transportation equipmentGroup | 110 | 81 | 90 | 90 | 94 | 83 | 81 | 83 | $+2.5$ | -11.7 |
| Automobiles | 131 | 79 | 109 | 108 | 118 | 84 | 80 | 88 | +2.5 +7.5 | -27.1 |
| Leather and product | 112 | 88 | 89 | -89 | 182 92 | 94 | 90 | 91 | +1.1 | -1.1 |
| Cement, clay and glass | 107 | 84 | 92 | 90 | 84 | 89 | 82 | 75 | $-8.5$ | $-10.7$ |
| Nonferrous metals. | 113 | 85 | 102 | 102 | 102 | 94 | 90 | 86 | -4. 4 | $-15.7$ |
| Chemicals- |  |  |  |  |  |  |  |  |  |  |
| Group-- | 119 | 90 | 107 | 108 | 108 | 114 | 112 | 111 | $-0.9$ | +2.8 |
| Petroleum refining | 125 | 95 | 104 | 105 | 104 | 124 | 121 | 121 | 0.0 | +16.3 |
| Rubber products | 117 | 84 | 110 | 110 | 112 | 91 | 89 | 90 | +1.1 | $-29.6$ |
| Amount of pay roll by industries: |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Iron and steel...- | 114 | 87 | 104 | 104 | 101 | 102 100 | 99 94 | 94 | -5. 1 | -6.9 -9.9 |
| Machinery | 132 | 83 | 110 | 114 | 112 | 122 | 120 | 114 | -5. 0 | +1.8 |
| Textiles | 111 | 77 | 97 | 100 | 97 | 96 | 94 | 92 | -2. 1 | -5.2 |
| Food products | 109 | 94 | 105 | 106 | 102 | 106 | 106 | 103 | -2. 8 | +1.0 |
| Paper and printing-- | 118 | 92 | 112 | 114 | 111 | 117 | 118 | 115 | -2. 5 | +3.6 +3 |
| Lumber and products----- | 107 | 83 | 94 | 90 | 83 | 89 | 83 | 73 | $-12.0$ | -12.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| Group | 117 | 80 | 96 | 96 | 94 | 89 | 86 | 81 | -5.8 | -13.8 |
| Automobiles | 152 | 66 | 115 | 112 | 115 | 84 | 73 | 74 | $\begin{array}{r}\text { 5. } \\ +1 \\ \hline\end{array}$ | -35.7 |
| Leather and products. | 116 | 80 | 80 | 86 | 90 | 84 | 84 | 85 | +1.2 | $-5.6$ |
| Cement, clay and glass | 108 | 79 | 91 | 88 | 79 | 86 | 80 | 67 | -16.2 | $-15.2$ |
| Nonferrous metals. | 128 | 81 | 119 | 121 | 117 | 100 | 96 | 92 | -4.2 | -21.4 |
| Chemicals- |  |  |  |  |  |  |  |  |  |  |
| Group...--- | 118 | 90 | 108 | 108 | 106 | 116 | 114 | 109 | $-4.4$ | +2.8 |
| Petroleum refining | 129 | 90 | 107 | 107 | 105 | 126 | 125 | 121 | -3. 2 | +15.2 |
| Rubber products..---- | 150 | 82 | 112 | 114 | 119 | 86 |  | +89 | +4.7 | -24.2 |
| Tobacco products | 111 | 76 | 94 | 94 | 76 | 94 | 89 | 77 | -13.5 | +1.3 |
| Wholesale prices |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| (Relative to 1925 monthly average as 100) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Farm product | 114 | 94 | 102 | 104 | 106 | 101 | 102 | 101 | -1.0 | $-4.7$ |
| Food, etc | 107 | 85 | 100 | 98 | 99 | 99 | 99 | 97 | -2.0 | -2. 0 |
| Hides and leather p | 127 | 98 | 116 | 116 | 114 | 108 | 107 | 105 | -1.9 | -7.9 |
| Textile products. | 114 | 93 | 96 | 96 | 96 | 92 | 90 | 89 | -1.1 | $-7.3$ |
| Fuel and lighting. | 112 | 81 | 84 | 84 | 83 | 82 | 81 | 80 | -1.2 | -3.6 |
| Metals and metal pro | 113 | 97 | 102 | 103 | 104 | 102 | 102 | 101 | -1.0 | $-2.9$ |
| Building materials. | 116 | 90 | 96 | 97 | 97 | 96 | 96 | 96 | 0.0 | -1.0 |
| Chemicals-- | 104 | 93 | 96 | 96 | 96 | 94 | 94 | 93 | $-1.1$ | $-3.1$ |
| House-furnishing goods | 111 | 97 | 96 | 96 | 97 | 97 | 97 | 97 | 0.0 | 0.0 |
| Miscellaneous --.-...---------- | 127 | 79 | 80 | 80 | 81 | 80 | 80 | 79 | -1.2 | $-2.5$ |
|  |  |  |  |  |  |  |  |  |  |  |
| Semimanufactured articles..----- | 128 | 94 | 97 | 97 | 97 | 96 | 94 | 93 | -1.1 | -4. 1 |
| Finished products | 103 | 93 | 97 | 96 | 97 | 94 | 94 | 93 | $-1.1$ | $-4.1$ |
| Raw materials.--.--------- | 109 | 93 | 96 | 97 | 99 | 95 | 95 | 94 | $-1.1$ | -6. 0 |
| Nonagricultural commodities. | 106 | 93 | 95 | 95 | 95 | 93 | 92 | 91 | -1.1 | -4.2 |
| Commercial Indexes <br> (Relative to 1926 monthly average as 100 ) |  |  |  |  |  |  |  |  |  |  |
| Dun's. | 106 | 85 | 103 | 102 | 103 | 100 | 99 |  | -1.0 |  |
| Bradstreet's_ | 112 | 95 | 102 | 100 | 101 | 95 | 90 | 89 | $-1.1$ | -11.9 |

[^3]INDEXES OF BUSINESS-Continued

| Relative to monthly average indicated | $\begin{aligned} & \text { Maxi- } \\ & \text { mum } \\ & \text { since } \\ & \text { Jan. } 1, \end{aligned}$ | $\begin{gathered} \text { Mini- } \\ \text { mum } \\ \text { since } \\ \text { Jan. } 1, \\ 1923 \end{gathered}$ | 1928 |  | 1929 |  |  | 1930 | per cent increase ( + ) or decrease (-) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{array}{\|} \text { Novem. } \\ \text { ber } \end{array}$ | $\begin{gathered} \text { Decem. } \\ \text { ber } \end{gathered}$ | January | November | $\begin{aligned} & \text { Decem. } \\ & \text { ber } \end{aligned}$ | January | January, 1930 from December 1929 | January, 1930 from January, 1929 |
| PRICE INDEX NUMBERS <br> FARM PRICES <br> (Relative to $1900-1914$ a rerage as 100 ) |  |  |  |  |  |  |  |  |  |  |
| All groups | 152 | 125 | 134 | 134 | 133 | 136 | 135 | 134 | -0. 7 | $+0.8$ |
| Grains | 178 | 108 | 110 | 112 | 115 | 118 | 119 | 118 | -0.8 | +2.6 |
| Fruits and vegetables | 253 | 108 | 109 | 108 | 109 | 159 | 163 | 167 | $+2.5$ | $+53.2$ |
| Meat animals | 167 | 98 | 150 | 143 | 146 | 144 | 143 | 146 | +2.1 | 0. 0 |
| Dairy and poultry | 166 | 122 | 155 | 159 | 149 | 157 | 157 | 146 | $-7.0$ | -2. 0 |
| Cotton and cottonseed | 252 | 81 | 146 | 148 | 148 | 132 | 130 | 128 | $-1.5$ | $-13.5$ |
| Unclassified.- | 108 | 79 | 86 | 90 | 92 | 90 | 87 | 87 | 0.0 | $-5.4$ |
| COST Of Living <br> National Industrial Conference Board Indexes <br> (Relative to July, 1914) |  |  |  |  |  |  |  |  |  |  |
| All items weighted. | 172 | 158 | 163 | 162 | 161 | 163 | 162 | 160 | -1.2 | $-0.6$ |
| Food (Department of Labor) | 167 | 141 | 157 | 156 | 155 | 160 | 158 | 155 | -1.9 | 0. 0 |
| Shelter---- | 186 | 159 | 160 | 160 | 159 | 159 | 159 | 159 | 0.0 | 0. 0 |
| Clothing- | 177 | 160 | 172 | 171 | 169 | 168 | 169 | 166 | $-1.8$ | $-1.8$ |
| Fuel and light (combined) | 179 | 156 | 162 | 163 | 163 | 162 | 162 | 163 | +0.6 | 0.0 |
| Fuel | 208 | 174 | 183 | 184 | 184 | 183 | 183 | 184 | +0. 5 | 0. 0 |
| Light | 123 | 118 | 121 | 121 | 121 | 120 | 120 | 121 | +0.8 | 0. 0 |
| Sundries | 176 | 168 | 171 | 171 | 170 | 170 | 169 | 168 | $-0.6$ | $-1.2$ |

## NATIONAL ADVERTISING IN NEWSPAPERS ${ }^{1}$

| Year and Monte | Total | Passenger cars | Tires, trucks, and accessories | Finan- | $\underset{\substack{\text { Build- } \\ \text { mate } \\ \text { rials }}}{ }$ |  | Foods and beverages | Heating $\underset{\text { plumb }}{\text { and }}$ ing $\underset{\text { ment }}{\text { equip- }}$ | Medical | Radio | $\begin{gathered} \text { Tobac- } \\ \text { Co } \end{gathered}$ | Toilet requisites | Transporta tion | All |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Thousands of lines |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19288 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| January | 44, 266 | ${ }^{10,398}$ | 2, 267 | 8,477 | 272 | 444 | 3,581 | 249 | 6,359 | 1,585 | ${ }^{2}, 510$ | 1,915 | 2, 188 | 4,021 |
| March | 48, 664 | 7,542 | 3,315 | 7,206 | 642 | 736 | 6, 1,535 | 352 | 5, ${ }^{1,393}$ | 1,210 | 5,081 | 3, 345 | 1,936 | 4,872 |
| April | 49,965 | 8,193 | 4, 712 | 6,843 | 944 | 1,301 | 7,108 | 580 | 3,828 | 637 | 3, 826 | 3,323 | 2,578 | 6,092 |
| May. | 49,810 | 6,770 | 5, 443 | 7,130 | 964 | 1,236 | 7,851 | 600 | 3,392 | 599 | 2, 580 | 2,968 | 3, 630 | 6,646 |
| June- | 42,916 | 6,168 | 6, 488 | 5, 863 | 549 | 1,127 | 7,449 | 492 | 2,347 | 583 | 2,117 | 2,294 | 3,361 | 4,081 |
| July... | 41,339 | 7,193 | 5,536 | 6,648 | 342 | 822 | 6,640 | 352 | 2,232 | 634 | 2,520 | 2,250 | 2,946 | 3,224 |
| August. | 39,167 | 7,064 | 5,681 | 4,796 | 400 | 887 | 5,802 | 476 | 2,214 | 1,009 | 2,709 | 1,949 | 2,467 | 3,715 |
| September | 43,402 | 6,720 | 4,696 | 5,821 | 811 | 895 | 5,678 | 979 | 2,920 | 3,759 | 2,006 | 2,139 | 1,734 | 5,245 |
| October. | 52,955 | ${ }^{6,523}$ | 5, 022 | 7,193 | 821 | 893 | 6, 628 | 879 | 5,224 | 3,924 | 2, 653 | 3,831 | 1,996 | 7,366 |
| November | 51,380 | 7,063 | 4, 511 | 6,856 | 426 | 848 | 6, 062 | 595 | 6,097 | 3, 863 | 2, 335 | 2, 605 | 2,396 | 7,721 |
| Decemb | 40,586 | 6,341 | 3,806 | 7,518 | 237 | 1,144 | 3, 281 | 404 | 3, 952 | 3, 038 | 1,602 | 1,388 | 2,351 | 5,524 |
| Total | 516, 851 | 81, 603 | 52,039 | 76,620 | 6,481 | 10,506 | 67,950 | 6,063 | 46, 021 | 21, 277 | 31, 072 | 28,685 | 28, 051 | 60,485 |
| 1929 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| January. | 52, 270 | 11, 010 | 3,927 | 9,625 | 246 | 470 | 3, 955 | 402 | 8,117 | 2,148 | 2,703 | 2,742 | 2,324 | 4, 601 |
| February | 13,731 | 1,689 | 733 | 2, 357 | 83 | 220 | 1,454 | ${ }_{5}^{135}$ | 1,581 | 701 | 1,178 | - 914 | $\begin{array}{r}526 \\ 2307 \\ \hline\end{array}$ |  |
| March | 56, 133 | 9,223 | 3,781 | 8,011 | 600 | 1,466 | 7,185 | 579 | 6, 557 | 2,176 | 3,885 | 3,574 | 2,307 | 6,783 7,078 |
| April. | 55, 868 | 9,779 | 5,288 | 7,653 | 1,261 | 1,495 | 7,556 | 649 | 4, 266 | 1,390 | 3,161 | 3,333 | 2,960 | 7,078 |
| May. | 61,548 | 8,757 | 7,397 | 8 8,176 | 1,148 | 1, 553 | 8,837 | 650 | 3,810 | 2,148 | 5,171 | 2,936 | 4,263 | 6,704 |
| June | 56, 118 | 6,603 | 7,926 | 7,485 | 637 | 1,763 | 8,230 | 381 | 2, 830 | 1,885 | 4, 264 | 3,123 | 4, 667 | 6, 291 |
| July.. | 48,023 | 6, 219 | 7, 565 | 8,672 | 275 | 1,093 | 6,676 | 319 | 2,285 | 2,515 | 2,484 | 2, 592 | 3,756 | 3,572 |
| August. | 44, 095 | 7,088 | 6, 745 | 6, 304 | 274 | 888 | 5,895 | 422 | 2,190 | 3,017 | 2,107 | 2,372 | 3,121 | 2, 672 |
| September | 52,869 | 6,884 | 5,502 | 7,457 | 775 | 1,560 | 6,440 | 782 | 3, 019 | 6, 205 | 3,217 | 3, 020 | 2,321 | 5,686 |
| October. | 64, 037 | 7,396 | 5,719 | 8,812 | 769 | 1,354 | 7,713 | 817 | 5,595 | 7, 109 | 4,617 | 3, 807 | 2,530 | 7,800 |
| November | 52, 879 | 4,098 | 5,996 | 6, 578 | 338 | 1,062 | 6,848 | 513 | 5,967 | 5,734 | 4, 112 | 2,267 | 2, 802 | 6,565 |
| December | 36,724 | 2,664 | 4,279 | 6,943 | 109 | 935 | 3,452 | 344 | 3,072 | 4, 021 | 1,515 | 1,177 | 2,747 | 5,466 |
| Total. | 594, 295 | 81,415 | 64, 858 | 88,073 | 6,510 | 13,859 | 74, 241 | 5,993 | 49, 289 | 39, 049 | 38,414 | 31,857 | 34, 324 | 65, 378 |

[^4] appearing in all newspapers, both daily and Sunday, of the following 50 identical cities: Akron, Albany, A tlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cleveland, Cincinnati, Columbus, Dallas, Dayton, Denver, Des Moines, Detroit, Hartford, Indianapolis, Kansas City, Mo., Knoxville, Los Angeles, Lousivile, Memphis, Milwaukee, Minneapolis, Nashville, Newark, New Orleans, New York, including Brooklyn, Norfolk, Oakland, Okalhoma City, Omaha, Philadelphia, Pittsburgh, Portland, Mass. National advertising is the advertising of products on general sale, as distinguished from the advertising of retail stores, not including any antomotive or financial advertising. The application of this definition is uniform in all cities measured by Media Records (Inc.).

AUTOMOBILE PRODUCTION IN THE UNITED STATES ${ }^{1}$
[Number of vehicles]

| Monti | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | TOTAL PASSENGER CARS, TAXICAES, AND TRUCKS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| January | 35, 662 | 45, 644 | 31, 253 | 107, 402 | 122, 002 | 92, 208 | 93, 779 | 187, 937 | 53,237 | 89, 374 | 245, 889 | 318, 589 | 240, 579 | 308, 908 | 238,908 | 231, 728 |  |
| February | 35, 663 | 48, 482 | 49, 309 | 124, 546 | 144, 674 | 106, 962 | 114,598 | 188, 030 | 70, 599 | 117, 871 | 278, 091 | 370,569 | 283, 638 | 363, 652 | 304, 735 | 323, 796 | 466,418 |
| March. | 45, 273 | 60, 211 | 94, 311 | 162, 074 | 165, 622 | 132, 142 | 146, 091 | 229, 212 | 112, 453 | 171,487 | 359, 476 | 383,424 | 374, 406 | 433, 467 | 394, 513 | 413,314 | 585, 457 |
| April. | 60,335 | 70, 367 | 101,910 | 152,529 | 172,045 | 153, 673 | 165, 229 | 173, 398 | 155, 201 | 219, 394 | 379, 138 | 375, 868 | 433, 792 | 439,336 | 406,382 | 410, 104 | 621,910 |
| May | 57, 199 | 56, 354 | 88,390 | 155, 950 | 185, 721 | 143, 003 | 176, 484 | 210, 019 | 156, 805 | 255, 622 | 395, 555 | 315, 177 | 419,056 | 425, 167 | 405, 848 | 425, 783 | 604, 691 |
| June. | 53, 581 | 44, 785 | 91, 059 | 139, 794 | 172, 656 | 118, 859 | 166, 575 | 225, 677 | 190, 520 | 278, 876 | 380, 110 | ${ }_{2}^{251,900}$ | 398,524 | 386, 269 | 323, ${ }^{\text {a }}$ | 396, 7086 | ${ }^{545,932}$ |
| July | 34, 808 | 30, 987 | 65, 604 |  | 164,764 <br> 146,454 | ${ }^{118,060}$ | 164, 831 | 209,652 | 176, 870 | 245,755 290 838 | ${ }_{3}^{331,844} 8$ | ${ }_{284}^{269,812}$ | 398, 947 | 359,610 | 239, 396 | 392, 086 | 500, 839 |
| August | 31, 416 | ${ }_{53}^{48,373}$ | 88, 881 | 106, ${ }_{140}$ | - 46,454 | 89, 542 | 185, 714 | 205, 205 | ${ }_{188} 18,760$ | 203, 2327 | 348, 2160 | 284, 693 | 260, 236 | 426, 851 | 309, 934 | 461, 298 | 498,628 |
| October. | 28, 537 | 44, 264 | 89, 127 | 134, 393 | 165, 333 | 50,31] | 207, 222 | 166, 248 | 148, 1099 | 232, 824 | 366, 461 | 294, 5 53 | 441, 981 | 334, 421 | 219,682 | 307, 284 | 380,017 |
| November.- | 32, 276 | 32,688 | 84, 769 | 140, 255 | 156, 716 | 43, 244 | 190,321 | 134, 975. | 116,644 | 232,923 | 314,504 | 234,611 | 372, 271 | 256, 301 | 134,370 | 257, 140 | 217,570 |
| $\begin{gathered} \text { December-- } \\ \text { Total..... } \\ \text { Mo. av... } \end{gathered}$ | 40,390 | 33, 176 | 93, 255 | 133, 106 | 115, 079 | 63, 127 | 162, 265 | 109, 432 | 79,455 | 225, 285 | 307, 008 | 207,062 | 316, 672 | 187, 924 | 133, 571 | 234, 116 | 119,950 |
|  | 485, 000 | 569,054 | $\begin{aligned} & 969,930 \\ & 80,61,617,7811,873,9491,170,686 \\ & 80,854,8091 \\ & \hline \end{aligned}$ |  |  |  | $\begin{array}{r} 1,933,595 \\ 161,133 \\ \hline \end{array}$ | $\begin{aligned} & 2,227,34991,596,8222,544,176 \\ & 18,612 \\ & \hline 13,069 \\ & \hline 12,515 \end{aligned}$ |  |  | 4,034,0123 | ,602, 540 | 4, 265, 830 | 300, 934 | 401,326 | 358, 759 | ,358,361 |
|  | 40,417 | 47,421 |  |  |  |  | 336, 168, |  |  |  | 300,212 | 355.486 | 358, 411 | 283,444 | 3it3, 230] | 446, 530 |


| dasuary | 34, 483 | 44,364 | 28, 304] | 100, 809 | 116,815 | 81,611 | 76,422 | 157, 115 | 45,397, | 80, 194 |  | 287, 198 | 210, 980 | 278, 228 | 109, 201 | 205, 142 | 347,382 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Februar | 34, 423' | 46,609 | 44,919 | 117, 460 | 138,759 | 95, 202 |  | 158,92 |  | 104, |  | 337, 045 | 248,854 | 325, 975 | 263, 642 | 290, 689 | 405, 708 |
| March | 43,887 | 57, 972 | 88, 583 | 153, 175 | 157, 882 | 112, 279 | 124, 559 | 193, 641 | 98,941 | 152,311 | 324, 314 | 347, 164 | 328, 589 | 388, 215 | 345, 549 | 371, 150 | 513,344 |
| April | 57, 584 | 67, 990 | 95, 537 | 143, 371 | 163, 618 | 130, 361 | 145, 359 | 149,457 | 137, 440 | 197, 903 | 340,28 | 337, 23 | 384,780 | 389, 453 | 358, 261 | 364, 265 | 537, 225 |
| May | 54, 871. | 53, 521 | 81, 054 | 147, 840 | 175, 583 | 118, 638 | 154, 792 | 182,027 | 144, 097 | 232, 439 | 350, 279 | 277, 284 | 374,025 | 378, 485 | 358, 409 | 375, 356 | 516,055 |
| June | 51, 512 | 42,991 | 83, 813 | 133, 363 | 162,923 | 97, 194 | 144, 805 | 192,826 | 177, 080 | 252, 704 | 338, 424 | 220, 794 | 359, 103 | 343, 150 | 280, 313 | 356, 214 | 452,598 |
| July. | 33, 125 | 29, 236 | 59,111 | 112, 810 | 154,638 | 93,909 | 142, 135 | 181,051 | 165, 616 | 223, 823 | 300, 896 | 242, 177 | 356, 314 | 320, 074 | 237, 541 | 338, 383 , | 426, 137 |
| Augus | $2{ }^{\text {2 }}$, 227, | 46,793 | 76, 246, | 99, 339 | 132, 234 | 67, 058 | 140, 479 | 176,234 | 167, 755 | 246, 867 | 317, 141 | 254,610 | 221, 830 | 382, 671 | 275,377 | 400, 124 | 441,912 |
| Septemb | 27,035 | 52,095 | 91, 797 | 132, 115 | 148, 572 | 39, 591 | 154, 119 | 160,520 | 144, 670 | 184,485 | 300,647 | 262, 695 | 256,037 | 354,068 | 226, 198 | 353, 615 | 364, 786 |
| Octobe | 25,902 | 41 | 80, 539 | 125,889 | 152, | 30,119 | 177, 270 | 135.031 | 134, 774 | 211, 164 | 335, 836 | 250, 244 | 395, 801 | 242, 029 | 182,456 |  | 320, 327 |
| Novemb | 30,639 | 30, 538 | 78, 193 | 131,841 | 140,837 | 29, 844 | 161,600 | 118,944 | 106,081 | 210,955 | 286,009 | 204,323 | 332, 666 | 221,653 | 108.984 | 216, 754 | 169,282 |
| December | 38,781 | 982 | 87, 834 | 127, 578 | 101,840 | 47, 533 | 138, 986 | 96,793 | 70, 724 | 205, 142 | 277, 947 | 179, 233 | 282, 594 | 139, 101 | 105, 309 | 204, 957 | 91, 234 |
| Total. Mo.av | $\begin{gathered} 461,509 \\ 38,459 \end{gathered}$ | $\begin{gathered} 543,679 \\ 45,307 \end{gathered}$ | $\begin{array}{r} 895,93 \\ 74,66 \end{array}$ | $\begin{aligned} & 525,5 \\ & 127,1 \end{aligned}$ | $\begin{aligned} & \begin{array}{l} 45,792 \\ 45,483 \end{array} \end{aligned}$ | $\begin{array}{r} 943,43 \\ 78,62 \\ \hline \end{array}$ | 657, 65 138, 13 | $\begin{aligned} & 90,56 \\ & 158,7 \end{aligned}$ | $121,0$ | $\begin{array}{r} 2,302, \\ \text { 291, } \end{array}$ | 651,1301 | , | $\begin{array}{r} , 761, \\ 313, \end{array}$ | $17,7$ | $45,10$ | $318,4$ | $\begin{aligned} & 886,020 \\ & 882,168 \end{aligned}$ |

## TAXICABS



|  |  | 1,280 | $2,949$ | 6,596 |  |  |  |  | 7, |  |  |  |  |  | 39, 258 |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Februa |  |  |  |  | 5,915 |  |  |  |  |  |  |  |  |  |  |  |  |
| March |  |  | 5,728 | 8, 899 | 7,740 |  | 21, 5 |  | 13, 512 | 19,17 | 35, 16 | 36, | 45, 291 | 44,7 | 48.48 | 41,4 | 70,03 |
| April | 2,7 | 2,377 | 6,373 | 9, 158 | 8,427 | 23, 312 | 19,8 | 23, 941 | 14,561 | 21,491 | 38, 85 |  | 48, 734 | 49,3 | 47, 700 | 45, 22 | 99 |
| May | 2, 328 | 2,833 | 7, 33 | 8,110 | 10, 138 | 24, 365 | 21, 69 | 27,992 | 12,708 | 23, 183 | 45, 27 | 37, 8 | 44,76 | 46,34 | 46, 923 | 49, 920 | 87,318 |
| 硅 | 2, 069 | 984 | 7,246 | 6, 431 | 9,730 | 21,665 | 21,770 | 32, 851 | 13, 434 | 26, 172 | 41,68 | 31,00 | 38,92 | 42,8 | 43, 19 | 40, 174 | 91, 956 |
| ly | 1,643 | 1,751 | 6,493 | 945 | 10, 128 | 24, 151 | 22, 69 | 28,601 | 11, 254 | 21,932 | 30, 94 | 27, 6 | 42,2 | 39, 1 | 31,58 | 53, 294 | 3,648 |
| ugust | 2,18 | 1,580 | 5,83 | 293 | 14, 220 | 22,484 | 24, 93 | 28,971 | 13, 514 | 23, 971 | 31, 07 | 30, 0 | 37, 22 | 43, 6 | 34, 40 | 60,70 | , 64 |
| Septem | 2, 825 | 1, 428 | 7,064 | 8, 165 | 311 |  | 20,667 | 27,994 | 14,090 | 19,442 | 27, 073 | 33 | 59, 22 |  | 33,86 | 7 | , |
| Octol | 2,635 | 2,676 | 8,588 | 8, 504 | 13, 245 | 20, 192 | 29, 952 | 27, 267 | 13, 235 | 21,66 | 30, 62 | 34, 30 | 45,39 | 41,8 | 36, 84 | 57, | 58,82 |
| Nove | 1,646 | 2, 160 | 6,576 | 8,414 | 15, 879 | 13, 303 | 28,721. | 16, 032 | 10,583 | 21, 968 | 23, 498 |  | 38, 529 . | 33, 882 | 24, 612 | 28, 123 | 46, 442 |
|  | 1,609 | 3,194 | 5,421 | 5,528 | 13, 23 | 15,594 | 23, 279 | 12,638 | 8,728 | 20, 143 | 29, 061 | 27, 82 | 32,738 | 28,010 |  | 28, 123 |  |
| Mo.av | $\begin{array}{r} 23,500 \\ 1,958 \\ \hline \end{array}$ | $\begin{array}{r} 20,315 \\ 2,115 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ 6,16 \end{array}$ | $\begin{gathered} \left.\begin{array}{c} 2,150 \\ 7,678 \end{array} \right\rvert\, \end{gathered}$ | $\begin{array}{r} 128,157 \\ 10,680 \end{array}$ | $\begin{array}{r} 227,250 \\ 18,938 \end{array}$ | $\begin{array}{r} 275,943 \\ 22,995 \end{array}$ | $\begin{array}{r} 321,789 \\ 26,816 \end{array}$ | $\begin{gathered} 143,712 \\ 11,976 \end{gathered}$ | $\begin{array}{r} 241,253 \\ 20,104 \end{array}$ | $\begin{array}{r} 382,88 \\ \quad 31,90 \end{array}$ | $\begin{array}{r} 302,5351 \\ 32,711 \end{array}$ | $\begin{array}{r} 496,837 \\ 41,403 \\ \hline \end{array}$ | $\begin{array}{r} 481,708 \\ 40,142 \end{array}$ | $\begin{array}{r} 454,725 \\ 37,894 \end{array}$ | $\begin{aligned} & 530,910 \\ & 44,243 \end{aligned}$ | $62,8$ |

${ }^{1}$ Data through June, 1921 , compiled by the National Automobile Chamber of Commerce from actual monthly reports from the principal producers, covering close to 90 fer cent of the industry, from quarterly reports of other member companies, prorated to monthly figures according to the relative output of the larger companies, and from annual figures of small nonmember companies, covering the balance of the industry, prorated to monthly figures according to the relative output oi the companies reporting Burcau of the Census, including data from the National Automobile Chamber of Commrece. Figures for passenger cars include taxicabs prior to 1025 and those for trucks include ambulances, funeral cars, fire apparatus, street sweepers, and busses. All these figures, revising data previously published, represent production or factory sales and cover the United States only.

Sales of the great atlantic and pacific tea co. ${ }^{1}$

| Yfar and Month | SALES <br> (Thousands of dollars) |  |  | TONNAGE SALIES |  | Year and Montif | SALES <br> (Thousands of dollars) |  |  | TONNAGE SALES |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total | Number of weeks | Weekly average | Total | Weekly a verage |  | Total | Number of weeks | Weekly average | Total | Weekly average |
| September 1928 |  |  |  |  |  | 1929 |  | 4 |  | 336, 309 | 84, 077 |
| October. | -93, 429 | 5 | 18,686 | 419, 079 | 83, 816 | October-.. | 105, 995 | 5 | 21,199 | 472, 644 | 94, 529 |
| November. | 73, 844 | 4 | 18,461 | 338, 704 | 84, 676 | November. | 83, 714 | 4 | 20,928 | 381, 106 | 95, 276 |
| December.. | 74,911 | 4 | 18,728 | 345,595 | 86, 399 | December. | 87. 260 | 4. | 21,815 | 407, 339 | 101, 835 |
| January 1929 | 91,983 | 5 | 18397 | 425,590 | 85.118 | January 1930 | 101,21 | 5 | 20.854 | 492, 425 | 98,485 |

[^5]RELATIVE DEBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS ${ }^{1}$ grouped by federal reserve disthicts


RELATIVE D EBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS—Continued GROUPED BY FEDERAL RESERVE DISTRICTS-Continued
[Table continued on p. 28]


See footnote on p. 22.

RELATIVE DEBITS TO INDIVIDUAL ACCOUNTS AT CLEARING-HOUSE CENTERS-Continued GROUPED BY FEDERAL RESERVE IDISTRICTS—Continued


1 Compiled from data collected by the Federal Reserve Board, this table supplements similar data published in Nos. 26, 35, 56, $62,67,75$, and 87 of this publication. The Greenville, S. C., substituted for Charleston, S. C., since May, 1928.

## TREND OF BUSINESS MOVEMENTS

The following table contains a summary of the monthly figures, designed to show the trend in important industrial and commercial movements. These data represent continuations of the figures presented in the latest semiannual number (February, 1930), in which monthly figures for 1928 and 1929 may be found, together with explanations as to the sources and exact extent of the figures quoted. The figures given below should always be read in connection with those explanations. Data on stocks, unfilled orders, etc., are given as of the end of the month referred to. For explanations or relative numbers, including base periods, see introduction on inside front cover.


TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued


## TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930,"Survey" | 1929 |  |  |  |  | 1930 | 1929 | PER CENT IN. CREASE ( + ) OR DECREASE ( - ) |  | cumblative total <br> FROMJAN. 1 THROCGH DEC. 31 |  | Per ct <br> in- <br> crease <br> or + de- <br> or <br> crease: <br> ( - - <br> cumu- <br> lative <br> 1929 <br> from <br> 1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | $\begin{aligned} & \text { Septem- } \\ & \text { ber } \end{aligned}$ | October | Novem- | $\begin{aligned} & \text { Decem- } \\ & \text { ber } \end{aligned}$ | January | January | Jan., 1930, from Dec., 1929 | $\begin{aligned} & \text { Jan, } \\ & \text { 1930, } \\ & \text { from, } \\ & \text { Jan, } \\ & \text { 1929 } \end{aligned}$ | 1928 | 1929 |  |
| IRON AND STEEL—Continued Crude Steel-Continued |  |  |  |  |  |  |  |  |  |  |  |  |
| Steel castings: |  |  |  |  |  |  |  |  |  |  |  |  |
| Ratio to capacity-.............-per cent.. |  |  |  |  |  |  |  | -4.1 | +9.4 |  |  |  |
| Railroad specialties-.......---short tons.-- | 50,548 | 44, 609 | 50,011 | 49,915 | 37, 154 | 41,465 | 35, 689 | +11.6 | +16.2 | 371, 564 | 576, 007 | +55.0 |
| Miscellaneous..................-short tons.- | 67,910 | 61, 659 | 69,558 | 59, 406 | 69, 773 | 60,668 | 57, 724 | $-13.0$ | +5.1 | 650, 308 | 774, 131 | +19.0 |
| Notal......................short tons.- | 98,697 | 85,859 | 134, 313 | 97, 065 | 94, 653 65 | 97, 223 | 124, 313 | +2.7 | -21.8 | 1,000, 228 | 1,337, 877 | +33.8 |
| Ratio to capacity $\qquad$ per cent.Railroad specialties short tons |  |  |  |  |  |  |  | $+3.1$ | $\begin{aligned} & -21.2 \\ & -39.4 \end{aligned}$ |  |  |  |
| Railroad specialties. .........short tons. <br> Miscellaneous.....................short tons.- | 35,906 62,791 | 33,463 <br> 52,396 | 72,421 <br> 61,892 | 41,350 <br> 55,715 | 41,179 53,474 | 39,281 57,947 | 64,809 59,504 | -4.6 +8.4 | -39.4 | 389,863 610,365 | 601,996 <br> 735,88 | +54.4 +20.6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production- <br> Total. <br> net tons | 366, 734 | 302, 490 | 319, 660 | 204, 071 | 181,916 | 291, 529 | 391, 404 | +60.3 | -25.5 | 3, 947,953 | 3, 887, 377 | -1.5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 143, 323 | 154, 988 | 169,390 | 178, 736 | 173,619 72,611 | 191, 532 | 198,874 | +10.3 | -3.7 |  |  |  |
|  | 34,436 365,649 | 43,886 301,330 | r 63,174 | 71,680 207, 200 | 72,611 | -73,948 | 63,739 362,229 | +1.8 +35.3 | +16.0 <br> -33.3 |  |  |  |
|  | 282, 107 | 274, 568 | 258, 810 | 134, 391 | 234, 599 | 382, 122 | 438, 390 | +62.9 | -12.8 | 3,794, 626 | 3, 799,780 | +0.1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production....-..................... barrels.- | 806, 574 | 663, 531 | 629, 976 | 572, 621 | 624, 365 | 582, 407 | 558,492 | -6.7 | +4.3 | 7,397, 785 | 8,338, 266 | +12.7 |
| Ratio to capacity .-...----.-...-- per cent-- | ${ }^{65.2}$ | 55.4 | 52.5 | 50.8 | 54.7 | 48.7 | 48.4 | -11.0 | +0.6 |  |  |  |
|  | 809,860 56,700 | 653, 890 | ${ }_{56}^{638,681}$ | 567,257 61 576 | 618,003 | 574,763 | 548,581 | -7.0 | +4.8 | 7, 403, 726 | 8, 315, 369 | +12.3. |
| Unfilled orders, end of month-.-.-.-barrels.- | 1, 205,659 | 1,071, 150 | 901, 621 | 993, 601 | 1,338, 333 | 1,408, 511 | 1, 661,710 | +1.3 +5.2 | ${ }_{-15.2}^{+3.1}$ |  |  |  |
| Track work, production............short tons.- | 14, 818 | 12,962 | -12,902 | 11, 326 | 10,826 | 11, 830 | 10, 344 | +9.3 | +14.4 | 139, 645 | 162, 115 | +16.1 |
| Iron, steel, and heavy hardware |  |  |  |  |  |  |  |  |  |  |  |  |
| Lock washers, shipments................................ of dolls.- | 320 | 298 | 263 | 159 | 175 | 287 | 290 | 464.6 | +74.8 | 3,128 | 3,706 | +18.5 |
| Wholesale prices: |  |  |  |  |  |  |  |  |  |  |  |  |
| Steel billets, Bessemer-. dolls. per long ton-- | 35. 00 | 35. 00 | 35. 00 | 35.00 | 34. 60 | 34. 00 | 33.00 | $-1.7$ | +3.0 |  |  |  |
| Iron and steel comp...-dolls. per long ton-- | 36.57 | 36.50 | 36. 27 | 36.04 | 35. 95 | 35. 64 | 36. 24 | -0.9 | -1.7 |  |  |  |
| Structural steel beams.--dolls. per $100 \mathrm{lbs} .$. | 1.95 | 1.95 | 1.90 | 1.90 | 1. 90 | 1. 90 | 1.90 | 0.0 | 0.0 |  |  |  |
| Composite finished steel.dolls. per $100 \mathrm{lbs}$. - | 2. 55 | 2. 54 | 2.51 | 2. 50 | 2. 50 | 2.46 | 2.55 | 1.6 | -3.5 |  |  |  |
| Fabricated Steel Products |  |  |  |  |  |  |  |  |  |  |  |  |
| Structural steel, fabricated: |  |  |  |  |  |  |  |  |  |  |  |  |
| Ratio to capacity .-................per per cent.- |  |  | ${ }^{4} 289$ |  | -319, ${ }_{183}$ |  | 27, ${ }^{1} 1$ | -18.1 | -4.2 | 287,900 | 842,300 | +16.9 |
| Shipments (prorated) .-..........-short tons.- | 4311,850 | 315, 700 | ${ }^{4} 350,350$ | 1284,900 | - 277,200 | 257, 950 | 281, 50 | -6.9 | -8.2 | 3, 126, 200 | 3, 531, 850 | +13.0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total _short tons. | 39,702 | 41,653 | 32,099 | 442,295 | 22, 535 | 49,648 | ${ }^{4} 32,805$ | +120.3 | +51.3 | 532, 810 | 512, 665 | -3.9 |
| Ratio to capacity ...................per cent.- |  |  |  |  |  |  |  | $+110.0$ | , |  |  |  |
| Oil-storage tanks-...............short tons.- | 11,150 | 15, 189 | 8,786 | 9,033 | 3, 669 | 7,432 | 11,055 | +1026 | -32.8 | 242, 763 | 138, 850 | -42.8 |
| Steel bars, cold finished, shipments short tons-- | 46, 747 | 40,889 | 39, 296 | 27,648 | 23, 705 | 35, 845 | 50, 276 | +51.2 | -28.7 | 504, 908 | 564, 019 | +11.7 |
| Stee boilers, new orders: <br> Quantity $\qquad$ number |  |  |  |  | 1,029 |  | 1,075 |  |  |  |  |  |
| Area-...........................thous. of sq. ft .- | 1,782 | 1,957 | 1,871 | 1,160 | 880 | 1,082 | 1,252 | +23.6 | -13.6 | 17, 685 | 19, 468 | +10.1 |
| eel furniture: |  |  |  |  |  |  |  |  |  |  |  |  |
| Business group- |  |  |  |  |  |  |  |  |  |  |  |  |
| New orders..--.-.-.-....-.thous. of dolls... | 2, 418 | 2,294 | 2,843 | 2,901 | 2,583 |  | 3,945 |  |  | 35,974 | 34, 3037 | -2.9 |
| Unfilled orders, end mo.thous. of dolls.-Shelving- | 2,172 | 2,054 | 2,060 | 2,345 | 2, 166 |  | 2,593 |  |  | 35, |  |  |
| Shipments...-.-....---thous. of dolls. | 890 | 843 | 979 | 860 | 856 |  | 902 |  |  | 9, 297 | 11,322 | +21.8 |
| New orders--.-.-.-.--- thous. of dolls.- | 931 | 880 | 928 | 801 | 735 |  | 1,100 |  |  | 9,601 | 11, 554 | +20.3 |
| Unfilled orders, end mo_thous. of dolls.. | 1,041 | 1,079 | 1,015 | 950 | 824 |  | 819 |  |  |  |  |  |
|  | 242,856 | 222,408 | 247,646 | 241, 829 | 215, 242 |  |  |  | -17.9 |  |  |  |
|  | 61, 547 | 46, 346 | 49, 502 | 44, 045 | 39,022 | 34, 710 | 45, 573 | -11.1 | -23.8 | 589, 552 | 567, 309 | -3.8 |
| Enameled Ware |  |  |  |  |  |  |  |  |  |  |  |  |
| ths: <br> Shipments $\qquad$ pieces. | 101, 050 | 77, 374 | 65, 530 | 50,417 | 46, 715 | 40,967 | 69,415 | $-12.3$ | -41.0 | 1,116,352 | 937, 058 | -16.1 |
| Stocks, end of month...-.............-. pieces. | 152, 349 | 152, 107 | 162,465 | 166, 397 | 163,728 | 173, 523 | 188, 738 | +6.0 | -8.1 |  |  |  |
| New orders-.....-.-.-......-.....-. pieces.- | 116, 532 | 58,574 | 56, 855 | 46,374 | 52, 592 | 32, 558 | 66, 991 | -38.1 | -51.4 | 1,220,800 | 961,987 | -21.2 |
| Unfilled orders, end of month.....-pieces.- | Lavatories: |  |  |  |  |  |  |  |  |  |  |  |
| Shipments........-.................pieces.- | 125, 920 | 96, 210 | 85, 889 | 66,951 | 66, 310 | 53, 082 | 81, 701 | -19.9 | $-35.0$ | 1,265,220 | 1, 116, 369 | -11.8 |
| Stocks, end of month....-.........-pieces.- | 192, 213 | 172, 442 | 176,319 | 173,570 | 155, 191 | 163,338 | 230, 527 | +5.2 | -29.1 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments......-----..............pieces.- | 120,018 | 103, 097 | 93,446 | 68, 675 | 66, 050 | 58, 512 | 93, 321 | -11.4 | -37.3 | 1,317,163 | 1,155,787 | -12.3 |
| Stocks, end of month...............-pieces.- | 254, 210 | 233, 532 | 243,409 | 248,685 | 234, 572 | 251, 749 | 276,037 | +7.3 | -8.8 |  |  |  |
| Miscellaneous sanitary ware: |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments .-.-..................-.--pieces.- | 48,554 | 37, 205 | 38, 630 | 28,557 | 28,662 | 24,688 | 41, 197 | -13.9 | $-40.1$ | 558, 671 | 455,914 | -18.4 |
| Stocks, end of month....-.-.......- pieces.- | 126, 626 | 119, 359 | 123,220 | 123,138 | 123, 347 | 116,518 | 137, 588 | -5.5 | $-15.3$ |  |  |  |
| Small ware (all except baths): <br> Unfilled orders, end of month .......pieces.. | 53, 402 | 28, 924 | 34, 254 | 27,606 | 28, 287 | 24,482 | 42,036 | -13.5 | -41.8 | 562, 623 | 467,012 | -17.0 |
|  | 259, 787 | 207, 826 | 174, 176 | 152, 527 | 120,843 | 86,503 | 111, 25 | -28. | -22 |  |  |  |
| Enameled sheet-metal ware: <br> Shipments <br> dozen pieces. | 385, 162 | 338, 169 | 371, 292 | 305, 714 | 391, 523 | 332, 092 | 427, 871 | -15.2 | -22.4 | 4, 191,761 |  |  |

${ }^{4}$ Revised.

TREND OF BUSINESS MOVEMENTS-Continued


- Revised.

TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where ot herwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey" | 1929 |  |  |  |  | 1930 | 1929 | per cent increase ( + ) or decrease (-) |  | cumulative total fromjan. 1 through DEC. 31 |  | Per ct. <br> in- <br> crease <br> ( $)$ <br> or de- <br> crease <br> $(-$ <br> cumu- <br> lative <br> 1929 <br> from <br> 1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Angust | $\begin{aligned} & \text { Septem- } \\ & \text { ber } \end{aligned}$ | October | $\begin{aligned} & \text { Novem- } \\ & \text { ber } \end{aligned}$ | $\begin{aligned} & \text { Decem- } \\ & \text { ber } \end{aligned}$ | Jauuary | Jamuary | Jan., 1930, from Dec., 1029 | Jan., 1930, from Jan., 1929 | 1928 | 1929 |  |
| AUTOMOBILES-Continued |  |  |  |  |  |  |  |  |  |  |  |  |
| Shipments (General Motors Co.): <br> To dealers $\qquad$ number of cars. | 168,185173,884 | $\begin{aligned} & 146,483 \\ & 14, \\ & \hline 171 \end{aligned}$ | 122,104134,319 | 60,977 | $\begin{aligned} & 40,222 \\ & 48,253 \end{aligned}$ |  | $\begin{aligned} & 127,580 \\ & 104 \\ & 488 \end{aligned}$ |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 1, 810,806 | $1,899,267$ $1,860,403$ | +4.9 +1.0 |
| Accessories and parts, shipments: |  |  |  |  |  |  |  |  |  |  |  |  |
| Original equipment.....-rel. to Jan., 1925-- Replacement parts.....-rel. | 193 169 | 186 <br> 173 | 160 166 | $\begin{array}{r}78 \\ 139 \\ \hline\end{array}$ | $\begin{array}{r}34 \\ 132 \\ \hline 1\end{array}$ | ${ }_{137}^{135}$ | 141 | +297.1 +3.8 | -36.3 -2.8 |  |  |  |
| A ccessories................-rel. to Jan., 1925-- | 88 | 84 | 91 | 83 | 90 | 79 | 77 | -12.2 | +2.6 |  |  |  |
| Service parts...-.-.........rel. to Jan., 1925.- | 170 | 147 | 147 | 115 | 119 | 135 | 173 | +13.4 | -22.0 |  |  |  |
|  |  |  |  |  |  |  | 1,835 | +82.1 | -12.8 | 24,244 | 22, 201 | -5.5 |
| New passenger-car registration: <br> Total ....................... | 376, 882 | 304, 359 | 288, 782 | 183, 616 | 138,732 |  | 219, 694 |  |  | 3,133, 296 | 3, 880, 181 | +23.8 |
| Highest price group.------ | 12, 326 | 11,463 | 11, 561 | 7,150 | 5,188 |  | 7,096 |  |  | 128, 136 | 126, 303 | -1.4 |
| Second highest group......-number of cars.- | 67, 177 | 52, 325 | 47, 006 | 26,768 | 21, 252 |  | 35,473 |  |  | 649,305 | 609, 103 | -6.2 |
| Third highest group-.-....number of cars.- | 66, 834 | 52,424 | 47,795 | 33, 292 | 28, 165 |  | 48,714 |  |  | 878,535 | 801, 988 | -8.7 |
| Lowest price group.........number of cars.- | 230, 023 | 187, 846 | 181,451 | 116, 252 | 84, 007 |  | 127, 800 |  |  | 1, 464, 438 | 2, 337, 454 | +59.6 |
| Miscellaneous......-.-...-number of cars.. | 522 | 301 |  | 154 | 120 |  | 611 |  |  | 12,882 | 5,333 | -58.6 |
| FUELS |  |  |  |  |  |  |  |  |  |  |  |  |
| Bituminous: Coal and Coke |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canada-.......-.thous. of short tons-. | 1,344 | 1,379 | 1,560 | 1,519 | 1,488 | 1,638 | 1,537 | +9.5 | +6.1 | 17, 550 | 17, 227 | $-1.8$ |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| United States , thous. of short tons. | 7,571 | 7,153 | 7,389 | 6, 884 | 6,575 | 6,599 | 7,028 | +0.4 | -6.1 | 76, 137 | 86, 516 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineaver. (spot)..dolls, per short ton.- | 1.77 | 1.83 | 1.90 | 1.88 | 1.88 | 1.89 | 1.85 | +0.5 | +2.2 |  |  |  |
| Wholesale, comp--dolls. per short ton-- | 3.913 | 3.930 | 3.961 | 3.959 | 3.980 | 3.982 | 4.035 | +0.1 | -1.3 |  |  |  |
| Retail, composite..dolls. per short ton.- | 8.69 | 8.87 | 8.98 | 9.00 | 9.05 | 9.11 | 9.09 | +0.7 | +0.2 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prices- |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Beehive............thous. of short tons.. | 562 | 504 | 470 | 413 | 345 | 309 | 479 | -10.4 | -35.5 | 4,493 | 6, 014 | +33.9 |
| By-product.......thous. of short tons. | 4,643 | 4,413 | 4. 610 | 4, 321 ! | 4, 181 | 4,203 | 4,360 | +0.5 | -3.6 | 48,313 | 53, 476 | +10.7 |
| Production, Canada...thous. of short tons.- | ${ }^{227}$ | 220 | 233 | 224 | 222 | ${ }^{2} 25$ | 221 | +1.4 | +1.8 | 2,308 | 2,674 | +15.9 |
|  | 86 | 98 | 126 |  | 111 | 101 | 104 | $-9.0$ | -2.9 | 981 | 1,105 | +12.6 |
| Price, furnace, Connellsville.........dolls. per short ton.-. | 2. 76 | 2.70 | 2.70 | 2.69 | 2. 64 | 2.59 | 2.75 | -1.9 | 6. 8 |  |  |  |
| Petroleum |  |  |  |  |  |  |  |  |  |  |  |  |
| Crude petroleum: |  |  |  |  |  |  |  |  |  |  |  |  |
| Production.-----.-.......thous. of bbls.. | 92, 288 | 87, 269 | - 88,099 | 78, 161 | 80,339 |  | 81,979 |  |  | 901, 464 | 1,005, 008 | +11.6 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tank farms and pipe |  |  |  |  |  |  |  |  |  |  |  |  |
| lines --.-.-.......thous, of bbls-- Refineries | 339, 679 | 341, 557 | 339, 638 | 336, 158 | 336, 196 |  | 330, 395 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Light...............-.-.-.thous. of bbls-- | 37,685 | 40, 433 | 42,041 | 41, 571 | 40,429 |  | 19, 196 |  |  |  |  |  |
| Heavy....-.-.-.-......-thous. of bbls-- | 108, 362 | 110,010 | 111, 076 | 110, 718 | 111, 660 |  | 98, 682 |  |  |  |  |  |
| Imports.-.-..-.........-.-.thous. of bbls-. | 5, 800 | 6,953 | 5,766 | 4,535 | 5.887 |  | 8, 075 |  |  | 79, 767 | 78, 915 | $-1.0$ |
| Consumption (run to stills) .thous. of bbls.- | 86, 733 | 84, 099 | 88,390 | 81,061 | 80, 663 |  | 78,825 |  |  | 913, 295 | 987.708 | +8.1 |
| Refinery operations...per ct. of capacity-- |  |  | 79 |  |  |  | 76 |  |  |  |  |  |
| Price, Kansas-Oklahoma-.- dolls. per bbl-- | 1. 300 | 1. 300 | 1.300 | 1. 300 | 1. 300 | 1. 229 | 1. 185 | -5.5 | +3.7 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mexico- <br> Production $\qquad$ thous. of bbls.- |  |  |  | 3.400 |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production.............t.thous. of bbls.- | 11, 394 | 11,338 | 11,591 | 11, 252 | 12, 182 |  | 11, 521 |  |  | 108, 099 | 136,581 | +26.3 |
| Gasoline: |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production- |  |  |  |  |  |  |  |  |  |  |  |  |
| Natural gas (at plants) thous of bbls.- | 4, 507 | 4,574 | 4,912 | 37,505 4,505 | 4, 4,457 |  | $\begin{array}{r}3, \\ 3,983 \\ \hline\end{array}$ |  |  | -42,526 | 52, 72 | + +22.9 |
| Exports.-.-...-.-.-.......thous. of bbls.- | 5,509 | 4,244 | 5, 896 | 3,938 | 5, 890 | 5,291 | 4. 506 | -10.2 | +17.4 | 52, 596 | 59,880, | +13.8 |
| Consumption $\qquad$ thous. of bbls.Stocks, end of month Raw (at refineries) thous. of bbls Natural gas (at plants) thous. of bbls. | 37,759 | 34, 193 | 32, 816 | 31, 502 | 26, 550 |  | 22,602 |  |  | 328, 489 | 371,852 | +13.2 |
|  | 33,788 | 33, 222 | 35, 042 | 37,780 | 43,115 |  | 40,648 |  |  |  |  |  |
|  | 893 | 661 | 490 | 514 |  |  | 741 |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 188 | . 166 | . 165 | 165 | . 165 | 165 | . 178 | 0.0 | -7.3 |  |  |  |
| Wholesale, New York...dolls. per gal_Retail, wagon, 50 cities..dolls. per gal. |  |  |  | . 165 |  |  |  |  |  |  |  |  |
| - Revised. |  | - 985.195 | -997,007] | -895, 124 |  |  | 684, 445 |  |  | 9,791, | 602.8 | +8.3 |

TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 ," 138 of the February, 1930, "Survey" | 1929 |  |  |  |  | 1930 | 1929 | PER CENT IN$\underset{\text { CREASE ( }}{\text { CREASE }}$ ( - ) decrease (一) |  | cumulative total from jan. 1 through DEC. 31 |  | $\|$Per ct. <br> in- <br> crease <br> ( + ) <br> ore- <br> crease <br> ( - ) <br> cumu- <br> lative <br> 1929 <br> from <br> 1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | Septem: ber | October | $\begin{aligned} & \text { Novem. } \\ & \text { ber } \end{aligned}$ | $\begin{aligned} & \text { Decem- } \\ & \text { ber } \end{aligned}$ | January | January | Jan., 1930, <br> from <br> Dec., <br> 1929 | $\begin{aligned} & \text { Jan., } \\ & \text { 1930, } \\ & \text { from, } \\ & \text { Jan., } \\ & 1929 \end{aligned}$ | 1928 | 1929 |  |
| bUILDING CONSTRUCTION AND HOUSING: <br> Building Costs |  |  |  |  |  |  |  |  |  |  |  |  |
| Building materials: <br> Frame house, 6 -rm. 1st of mo. .rel. to 1913.- <br> Brick house, 6 -rm. 1st of mo...rel. to 1913.- |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 177 | 176 | 178 | 178 182 | 177 <br> 181 | 178 | ${ }_{183}^{177}$ | +0.6 +1.1 | +0.6 0.0 |  |  |  |
| Bldg. costs, 1st of mo...-.-.....-rel. to 1913.- | 205.9 | 207.6 | 206.3 | 208.5 | 209.5 | 209.0 | 209.4 | $-0.2$ | 0.2 |  |  |  |
| Bldg. costs (A. G. C.), 1st of mo...rel. to 1913.. | 203 | 201 | 202 | 201 | 202 | 203 | 203 | $+0.5$ | 0.0 |  |  |  |
| Plumbing fixtures, 6 pieces.....-.......-dollars.Construction costs (Am. Appraisal): | 98.84 | 98.97 | 99.20 | 100.58 | 100.58 | 100.55 | 100.30 | 0.0 | +0.2 |  |  |  |
| Frame............-....--rel. to 1913.- | 204 | 205 | 205 | 206 | 204 | 204 | 204 | 0.0 | 0.0 |  |  |  |
| Brick, steel frame. | 214 197 | 219 | 215 | 215 | 214 | 214 | 212 | 0.0 0.0 | +0.9 0.0 |  |  |  |
|  | 201 | 201 | 202 | 202 | 201 | 202 | 201 | +0.5 | 0.5 |  |  |  |
| Contracts and Fire Losses |  |  |  |  |  |  |  |  |  |  |  |  |
| Contracts awarded ( 36 States): Commercial buidings.... | 13,481 | 12.612 | 12,611 | 13.180 | 4,746 |  | 15,250 |  |  | 150,394 | 151,682 | 0.9 |
| Industrial buildings.....-- thous. of sq. ft-- | 10,148 | 7,585 | 9,041 | 6,913 | 13,340 |  | 7,085 |  |  | 91, 538 | 106,419 | +16.3 |
| Residential buildings.-.--- thous. of sq. ft.- | 28,339 | 24, 354 | 27, 478 | 20,670 | 17,182 |  | 27,898 |  |  | 548, 329 | 372, 465 | -32.1 |
| Educational buildings......thous. of sq. ft.- <br> Other public and semi- <br> public buildings thous. of sq. ft. <br> Grand total thous. of sq. ft.- | 5,190 | 4, 814 | 5,461 | 3,796 | 3,008 |  | 2,631 |  |  | 60,626 | 58, 192 | -4.0 |
|  | $\begin{array}{r} 5,896 \\ \mathbf{6 3 , 8 7 5} \end{array}$ | $\begin{array}{r} 6,958 \\ 57,152 \end{array}$ | 7,255 62,590 | 4, 455 49,268 | 3,191 41,946 |  | 2,863 56,331 |  |  | 70,022 927,721 | $\begin{array}{r} 60,528 \\ 757,319 \end{array}$ | -13.6 -18.4 |
| Contracts awarded, value (36 states): Commercial buildings...thous. |  |  |  |  |  |  |  |  |  |  |  |  |
| Industrial buildings........thous. of dolls.- | -68,365 | 71,590 52000 | 63,682 59,507 | 99,072 | 30,368 6688 |  | 98,644 60,439 |  |  | $\begin{aligned} & 847,556 \\ & 602,603 \end{aligned}$ | $\begin{aligned} & 889,681 \\ & 739,797 \end{aligned}$ | +5.0 +22.8 |
| Residential buildings....---thous. of dolls.- | 142,049 | 114, 184 | 131,809 | 110,848 | 111, 480 |  | 132, 862 |  |  | 2,715,111 | 1,872,773 | -31.0 |
| Educational buildings.....-thous. of dolls..Other public and semi-public buildings.......thous. of dolls.. | 31,149 | 29,034 | 35,970 | 24,914 | 18,703 |  | 17,171 |  |  | 386, 490 | 369,526 | -4.4 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| pubic buildings.ati---- thous. of dolls... | 42,762 <br> 114,766 | 49,307 114,146 | 54,998 80,206 | 36,344 68,811 | 27,988 48,870 |  | 23,142 61,811 |  |  | \% $\begin{array}{r}564,460 \\ 1,288,559\end{array}$ | 1, 183, 616 | -11.9 |
| Grand total...........-thous. of dolls.- | 470,910 | 430, 351 | 426, 171 | 378,074 | 304, 297 |  | 394,069 |  |  | 6, 404, 779 | 5, 553,751 | -13.3 |
| Contracts awarded, Canada....thous of dolls-- | 58, 622 | 46,959 | 57,084 | 45, 376 | 32, 549 |  | 41,963 |  |  | 472, 033 | 576,653 | +22.2 |
| Building volume (A.G. C.).......-rel. to 1913.- | 239 | 259 | 233 | 225 | 169 | 131 | 148 | -22. | -11.5 |  |  |  |
| Fire losses: <br> United States and Canada, (Journal of Commerce) _-_thous. of dolls.Canada (Monetary Times) ..thous. of dolls. | 27,504 | 21,422 | 29,072 | 28,256 | 30,870 | 31,393 | 36, 225 | 7 | -13.3 | 301, 268 | 332,426 |  |
|  | 3,776 | 2,040 | 3,777 | 3,864 | 4,081 | 5,100 | 2,664 | +25.0 | +91.4 | 22,633 | 8,362 | +10.3 +69.5 |
| LUMBER PRODUCTS |  |  |  |  |  |  |  |  |  |  |  |  |
| Softwood Lumber |  |  |  |  |  |  |  |  |  |  |  |  |
| Southern pine: ${ }^{\text {Production }}$ ( 0 ft b mout | 400, 274 | 359,757 | 384, 227 | 342,631 | 317,741 |  | 425, 009 |  |  | 4, 994,053 | 4,583, 020 | -8.2 |
| Production (computed) $\qquad$ M |  |  |  |  |  |  |  |  |  |  |  | -8.2 |
| Shipments (computed)......... M ft. b. m.- | 384, 203 | 347,704 | 375,228 | 313, 137 | 290, 725 |  | 398, 047 |  |  | 5,228,488 | 4, 466, 442 | $-14.6$ |
|  | 378, 878 | 344,703 | 368,296 | 290, 667 | 304, 487 |  | 417,700 |  |  | 5,211, 206 | 4, 450, 754 | -14.6 |
| Stocks, end of mo. (computed) M it. b. m.Unfilled orders, end mo. (comp.) M it. b. m.- | 1, 017,970 | 1,030,023 | 1, 039, 222 | 1,068, 516 | 1,095, 532 |  | 1,005, 916 |  |  |  |  |  |
|  | 289, 468 | 286, 467 | 279, 535 | 257,065 | 270, 827 |  | 306, 168 |  |  |  |  |  |
| Exports, Jumber............-.-M $\mathrm{Mt}$. b. m.- | 52,630 | 43,087 | 51, 811 | 48,363 | 62, 487 | 52,752 | ${ }^{61,693}$ | -15.6 | -14.5 | 708,883 | ${ }^{679,213}$ | -4.2 |
|  | 9,300 | 14,874 | 11,315 | 7,283 | 13,734 | 9,484 | 11, 507 | -30.9 | -17.6 | 163, 567 | 127,616 | -22.C |
| Price, flooring........dolls. per M ft. b. m.Douglas fir: | 37.43 | 36.76 | 39.50 | 36.00 | 38.00 | 37.22 | 36.55 | 2.1 | $+1.8$ |  |  |  |
| Production (computed) $\ldots$.----M M ft. b. m... | 353, 642 | 315, 592 | 312, 011 | 309, 772 | 260, 979 | 199, 651 | 316, 039 | -23.5 | -36.8 | 4, 934, 872 | 3, 864, 098 | -21.7 |
| Shipments (computed) $-\cdots \cdots$ M ft. b. m.-.-. | 33, 498 | 293, 209 | 300,372 | 266, 351 | 228, 300 | 220,690 | 296, 343 | $-3.3$ | $-25.5$ | 5, 081, 313 | 3, 832, 315 | -24.6 |
|  | 327, 678 | 293, 209 , | 303, 953 | 253, 369 | 240, 835 | 242, 178 | 349, 165 | +0.6 | -30.6 | 5,249,119 | 3,886,479 | -26.0 |
| New orders (computed) .-....-M it. b. m-- | 245, 311 | 299,924 | 295, 895 | 215, 319 | 273, 065 | 293, 657 | 403, 331 | $+7.5$ | -27.2 |  |  |  |
| Exports, lumber......------M M ft. b. m-- | 72, 81 | 64, 085 | 80, 888 | 53, 261 | 74, 967 | 74,487 | 84, 299 | $-0.6$ | -11.6 | 767,745 | 908, 133 | +18.3 |
|  | 48,303 | 38,493 | 50, 558 | 33, 508 | 33, 309 | 36,064 | 59,984 | $+8.3$ | -39.9 | 556, 224 | 527, 411 | -5. 2 |
| Price, flooring, $1 \times 4$, "B"' <br> and better, V. G_-.dolls. per M ft. b. m. | 18.57 | 18.36 | 17.82 | 17.42 | 16. 84 | 16.85 | 17.77 | 0.0 | -5.2 |  |  |  |
|  | 42.96 | 42.79 | 42.42 | 42. 13 | . 9 | 41.63 | 44.44 | -0.7 | -6.3 |  |  |  |
| alifornia redwood: ${ }^{\text {a-- }}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Production (computed)Shipments (computed)$\ldots$.-.-.-M M | 44, 923 | 35, 291 | 36, 745 | 48, 438 | 30,634 | ${ }_{30}^{41,084}$ | 29,560 | +34.1 | $+39.0$ | 459, 181 | 455, 853 | -0.7 |
|  | 48,648 | 37,368 | 36,064 | 39, 70 | 25, 253 | 30, 893 | 30,944 | +22.31 | -0.2 | 444, 542 | 445, 985 | $+0.3$ |
| New orders (computed) .-..-...M $\mathrm{Mt}$. b. m Unfiled orders, end of month (computed) |  |  | 33,08 | 40, 57 | 23,230 | 35,6 | 34, 80 |  | +2.4 | 451,973 | 458, 499 | +1.4 |
| California white pine: | 44,590 | 41,83 | 37,09 | 38, 364 | 36, 626 | 27, 079 | 35, 756 | -26. 1 | -24.3 |  |  |  |
|  | 126, 934 | 94,983 |  |  |  |  | 69,930 | -51.9 | -58.3 |  |  |  |
|  | 102, 334 | 93, 900 | 88, 363 | 62, 585 | 56, 767 | 64, 837 | 100, 633 | +14.2 | -35.6 | 1, 203, 379 | 1,116, 859 | -6.3 -7.2 |
| Stocks, end of month .--------M M f. b. m. | 516, 220 | 523, 772 | 567, 326 | 607, 775 | 623,554 | 568, 607 | 535, 998 | -8.81 | +6.1 |  |  |  |
| New orders.......-.-.-.-.-M $\mathrm{Mt}$. b. m-- | 95,986 | 80, 250 | 71, 398 | 60, 174 | 54, 835 | 65, 322 | 95, 905 | +19.1 | -31.9 | 1, 064,312 | 1,040,310 | -2.3 |
| Unfilled orders, end of month.. M ft. b. m.-- Northern pine: | 162, 494 | 153, 701 | 172, 154 | 172, 309 | 189, 732 | 151,560 | 176,506 | -20.1 | -14.1 |  |  |  |
| Lumber- |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 49, 846 | 41, 882 | 38,422 | 8, 548 | 11, 682 | 14, 935 | 23,818 | +27.8 | -37.3 | 497, 414 | 418,570 | -15.9 |
| Shipments..................M ft. b. m.-. | 43,764 | 37,054 | 43,737 | 32, 726 | 19,498 | ${ }_{23}^{23,200}$ | ${ }_{35}^{33,167}$ | +19.0 | $-30.1$ | 494, 809 | 463,011 | $-6.4$ |
| Lath- ${ }^{\text {New }}$ orders | 42,485 | 30, 291 | 35, 578 | 20, 167 | 14, 459 | 22, 670 | 35, 363 |  | -35.9 | 450, 981 | 406, 484 | -9.9 |
|  | 8,442 | ${ }_{6}^{6,268}$ | 5, 739 | 1,310 | 653 | 527 | 4,692 | -19.3 | -88.8 | 105,379 | 66,391 | -370 |
| North Carolina pine:-------------thousands- | 9,258 | 6,509 | 6,892 | 5,008 | 2,783 | 3,251 | 6, 952 | +16.8 | -53.2 | 97, 244 | 87, 877 | -9.6 |
| Production (computed)........M Mf. b. m.- | 48,993 | 48, 132 | 45,878 | 43, 995 | 40, 138 | 41, 097 | 45, 143 | +2.4 | $-9.0$ | 587, 412 | 636, 580 | +8.4 |
| Shipments (computed) ........-M ft. b. m.. Northern hemlock: | 48, 230 | 45, 605 | 47, 264 | 47, 096 | 38, 038 | 36,946 | 38, 976 | -2.9 | $-5.2$ | 604, 708 | 626, 108 | +3.5 |
|  | 14,908 | 17,079 | 11,943 | 9, 230 | 10,839 |  | 18, 877 |  | -40.9 | 197, 243 | 169, 040 | -14. |
|  | 16,020, | 12, 859 | 12, 378 | 9,328 | 4, 932 | 7,860 | 9, 855, | +59.4 | -20.2 | 200, 737 | 149, 954 | -25. |

TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey" | 1929 |  |  |  |  | 1930 | 1929 | PER CENT INcrease ( + ) or DECREASE (-) |  | cumulative total. from jan. 1 THROUGH DEC. 31 |  | Per ct.in-crease( + )or de-crease( $-(-)$cumu-lative1929from1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | $\begin{aligned} & \text { Septem- } \\ & \text { ber } \end{aligned}$ | October | Novem- ber | December | January | January | Jan., <br> 1930, <br> from <br> Dec., <br> 1929 | Jan, 193, from, Jan, 1929 | 1928 | 1929 |  |
| CHEMICALS AND OILS-Continued Arsenic |  |  |  |  |  |  |  |  |  |  |  |  |
| Crude: <br> Production. $\qquad$ short tons. | 887 | 1,027 | 3,113 | 1,203 | 2, 049 | 1,079 | 1.136 | -47. 3 | -5.0 | 16, 485 | 19,150 | +16.2 |
| Stocks, end of month...........--short tons.- <br> Refined: | 1,876 857 | 1,777 868 | 3,309 1,036 | 3,112 | 3, 774 | 1,677 742 | 3,019 913 | -2.6 <br> -30.2 | +21.8 -18.7 |  |  |  |
| Production. $\qquad$ short tons.Stocks, end of month $\qquad$ short tons.- | 857 3,414 | 868 3,180 | 1,036 3.672 | $\begin{aligned} & 1,197 \\ & 3.993 \end{aligned}$ | 1,063 4,131 | 742 3,879 | 913 3,571 | -30.2 -6.1 | -18.7 +8.6 | 9,294 | 11,123 | +19.7 |
| Price index numbers: <br> Crude drugs rel. to Aug., 1914 | +179 | $\begin{array}{r}180 \\ \hline\end{array}$ | 180 180 | 176 176 | -172 | 3, 880 170 | - 195 | -6. | +8.6 |  |  |  |
|  | 188 | 168 | 161 | 155 | 146 | 133 | 191 | -8.9 | -30.4 |  |  |  |
| Drugs and pharmaceuticals $\qquad$ rel. to Aug., 1914.- | 177 | 177 | 177 | 177 | 177 | 177 | 164 | 0.0 | +7.9 |  |  |  |
| Chemicals .......-.-.-.-.-.-.--rel. to 1927-- | 100 | 100 | 100 | 100 | 100 | 99 | 100 | $-1.0$ | $-1.0$ |  |  |  |
| Wood Chemicals |  |  |  |  |  |  |  |  |  |  |  |  |
| Acetate of lime: Production- |  |  |  |  |  |  |  |  |  |  |  |  |
| United States.------------- thous. of thous of lbs--- | 11, 025 | 10,154 ${ }_{421}$ | 12, 532 | 11,982 1,027 | 11,666 1,246 | 11,798 1,545 | 11,996 1,263 | +1.1 +24.0 | -1.7 +22.3 | $\begin{gathered} 132,098 \\ 10,133 \end{gathered}$ | $\begin{gathered} 140,517 \\ 10,459 \end{gathered}$ | +6.4 +3.2 |
|  | 10,862 | 10, 162 | - ${ }^{12,172} \mathbf{3 0 1}$ | ${ }^{4} 10,661$ | 4 6,729 ${ }^{248}$ | $\begin{array}{r}3,921 \\ \hline 178\end{array}$ | 11,525 1,214 | -41.7 <br> -28.2 | -66.0 | 146,354 11,891 | 133,107 9,297 | -9.1 -21.8 |
| Stocks, end of month- <br> United States. <br> thous. of lbs | 1,259 |  | 1,687 | 2,826 |  |  |  |  |  |  |  |  |
|  | ${ }_{73}$ | 1,147 | 1,201 | 2,82 | 1,111 | 2,498 | 1, 174 | +124.8 |  |  |  |  |
|  |  |  |  | 13 |  |  | 42 |  |  | 11,173 | 221 | -98.0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| United States.....-.-.-.-.....-. gallons.-- | 656, 414 | 598,548 | 719,064 | 705,320 | 830, 331 | 715,886 | 700, 613 | -13.8 | +2.2 | 7,540,536 | 8, 421, 082 | $+11.7$ |
| Stocks at crude piants, end of month- | 25, 950 | 17,581 | 16,904 | 45, 242 | 57, 587 | 65, 090 | 52,925 | +13.0 | +23.0 | 416, 836 | 445, 335 | +6.8 |
| United States-.-.............-gallons.- | 244, 185 | 253, 356 | 255, 204 | 273, 097 | 247, 360 | 389, 876 | 235, 052 | +57.6 | +65.9 |  |  |  |
| Canada. $\qquad$ Stocks at refineries and in transit gallons. | 20,092 | 17,061 | 12,924 | 11, 169 | 26,580 | 38, 408 | 28, 103 | +44.5 | +36.7 |  |  |  |
| United States gallons. | 526, 172 | 514,5 | 530,710 | 615,8 | 728,473 | 903, 304 | 145, 093 |  |  |  |  |  |
| Canada........................-gallons. .- | 63,702 | 65, 505 | 47, 179 | 30,510 | 11,518 | 9,038 | 48, 495 | -21.5 | -81.4 |  |  |  |
|  | 33,849 | 49,948 | 12,329 | 83, 654 | 11, 791 | 47,571 | 43, 915 | +303.5 | +8.3 | 567,755 | 515, 281 | -9.2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| United States...-................cords.. | 70,454 | 63, 460 | 75,508 | 71, 209 | 70, 279 | 73, 326 | 73, 308 | +4.3 | 0.0 | 760, 736 | 861,895 | +13.3 |
| Canada....-.-.-................cords.- | 3,228 | 2,041 | 1,954 | 5,435. | 6,720 | 7,625 | 6,630 | +13.5 | +15.0 | 51,081 | 54, 292 | +6.3 |
| Stocks, end of month- <br> United States $\qquad$ cords.. | 565, 119 | 552,338 | 527, 210 | 500, 387 | 486, 236 | 601, 972 | 497, 965 | +23.8 | +20.9 |  |  |  |
|  | 72,026 | 72,040 | 71, 530 | 71, 015 | 70,756 | 71, 022 | 72, 933 | +0.4 | -2.6 |  |  |  |
| Daily capacity- <br> Total. <br> cords |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 475 | - 525 | 3, 289 | 3, 329 | 3, 302 | 3, 22 2 | 3, 292 | -26.5 | -24.0 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production- ${ }^{\text {United }}$ States |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 454, 160 | 432,094 | 445, 183 | 488,212 | 432, 978 | 248, 723 | 494, 501 | -42. 6 | -49.7 | 5, 982, 579 | 5, 299, 546 |  |
| Canada. | 43,700 | 27, 800 | 56,300 | 58, 150 | 72, 200 | 41,500 | 59, 800 | -42. 5 | -30.6 | 432, 450 | 545,450 | +26.1 |
|  | 783, 674 | 729, 932 | 725, 620 | 755, 326 | 795, 868 |  | 503, 054 | -12.7 |  |  |  |  |
|  | 37,761 | 21, 888 | 14, 238 | 44, 164 | 32, 175 | 28, 405 | 35, 534 | -11.7 | -21.1 |  |  |  |
| Shipments- <br> United States $\qquad$ gallons |  |  |  |  |  |  |  |  |  |  |  |  |
|  | -487,153 | 598,551 31,902 | 558,179 48,532 | 412,683 46,335 | 478, ${ }^{34}$, 803 | 425,071 41,274 | 506,624 47,629 | -11.1 +18.6 | -16.1 -13.3 | $\begin{array}{r} 6,044,639 \\ 316,444 \end{array}$ | $5,881,934$ | -2.7 +27.0 |
| Price, wholesale, N. Y......dolls. per gal. | . 58 | , 58 | . 58 | , 52 | . 51 | $\xrightarrow{.47}$ | . 58 | $-7.8$ | -19.0 |  |  |  |
| Ethyl Alcohol |  |  |  |  |  |  |  |  |  |  |  |  |
| Production......................thous of gals.. | 20, 026 | 20,739 | 25,426 | 20, 898 | 16, 262 | 11,601 | 15, 282 | -28.7 | -24. 1 | 184, 981 | 206,662 | +11.7 |
| Withdrawn for denaturization.-thous. of gals.- | 18,688 | 19,199 | 24, 203 | 20,990 | 18,861 | 11, 174 | 13,911 | -40.8 | -19.7 | 168, 555 | 195,470 | +16.0 |
| Warehouse stocks, end of month_thous. of gals.- | 11, 489 | 11,617 | 11, 932 | 11, 462 | 8,199 | 7,298 | 8,701 | -11.0 | -16.1 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| (Black powder, permissible, and other high explosives) |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 40, 584 | 42,019 | 42, 108 | 36, 134 | 31,015 | 31,986 | 33,586 | +3.1 | -4.8 | 397, 419 | 438, 784 | $+10.4$ |
|  | 39, 163 | 42, 299 | 40,246 | 37,068 | 29, 236 . | 31, 709 | 35, 576 | +8.5 | -10.9 | 396, 462 | 438, 853 | $+10.7$ |
| New orders - .-.-.-----.-.......thous. of lbs..- | 39,580 | 40, 141 | 40,295 | 35, 554 | 29, 784 | 30,828 | 35, 733 | +3.5 | -13.7 | 374, 920 | 427, 271 | +14.0 |
| Stocks, end of month...........--thous. of lbs.. | 17,529 | 16, 895 | 17,811 | 16,734 | 18,311 | 18,636 | 18,071 | +1.8 | +3.1 |  |  |  |
| Naval Stores |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Net receipts, southern parts.-.....-barrels.. | 49,436 | 42, 127 | 33, 356 | 33, 813 | 28,921 | 10, 237 | 8,175 | -64.6 | +25.2 | 339, 713 | 387, 888 | +14.2 |
| Stocks at port, end of month .......barrels.- | 63, 151 | 65, 770 | 67,038 | 68,546 | 68, 432 | 58,485 | 79, 837 | -14.5 | $-26.7$ |  |  |  |
| Rosin (gum): |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Stocks at 3 ports, end of month -- barrels.- | 205, 955 | 233, 215 | 244, 767 | 256, 895 | 257, 995 | 221, 568 | 227, 409 | -14.0 | -2. 6 |  |  |  |
| Price, B, New York.......dolls. per bbl--Rosin (wood): |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 38,315 | 36,905 | 40,903 | 40,678 | 36,628 | 40,954 | 37,765 | +11.8 | +8.4 | 420, 516 | 449, 532 | +6.9 |
| Stocks, end of month.-.-...--.....--barrels.- | 98,777 | 90,036 | 84, 111 | 88,038 | 88, 909 | 90, 258 | 120, 956 | $+1.5$ | -25.4 |  |  |  |
| Turpentine (wood): <br> Production. barrels. | 6,721 | 6, 695 | 7,640 | 7,498 | 7,068 | 7,510 | -7,347 | +6.3 | + +2.2 +2.2 | 75,118 | 83,459 | +11.1 |
| Stocks, end of month...............-barrels.-- | 4,713 | 4,344 | 5,569 | 7,289 | 8,889 | 10,581 | 7,869 | +19.0 | +34.5 |  |  |  |

## TREND OF BUSINESS MOVEMENTS-Continued



TREND OF BUSINESS MOVEMENTS-Continued


## TREND OF BUSINESS MOVEMENTS-Continued



TREND OF BUSINESS MOVEMENTS-Continued


## TREND OF BUSINESS MOVEMENTS-Continued



TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"" | 1929 |  |  |  |  | 1930 | 1929 | PER CENT INCREASE ( + ) OR DECREASE (-) |  | cumulative total <br> FROM JAN. 1 THROUGH DEC. 31 |  | Perct.in-crease$(+)$or de-crease$(-)$cumu-lative1929from1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | Septem. ber | October | November | Decem- ber | January | Jantary | Jan, 1930, from Dec., 1929 | $\begin{aligned} & \text { Jan., } \\ & \text { 1930, } \\ & \text { from } \\ & \text { Jan., } \\ & 1929 \end{aligned}$ | 1928 | 1929 |  |
| TRANSPORTATION-Continued Rallway Equipment-Continued |  |  |  |  |  |  |  |  |  |  |  |  |
| Freight cars (Am. Ry. Assn.)-Continued. <br> New orders. <br> Shipments- | 2, 562 | 4, 257 | 17, 207 | 5,126 | 9,785 | 6,632 | 12,452 | -32.2 | -46.7 | 37,039 | 98, 308 | +165.4 |
| Total cars. | 7,811 | 7,614 | 7,818 | 6, 956 | 7,856 | 8,095 | 1,814 | +3.0 | +346.3 | 39,436 | 72, 215 | +183.1 |
| Domestic.-.-.-.-.-.............-cars - | 7,633 | 7,239 | 7,363 | 6,891 | 7,513 | 7,426 | 525 | -1.2 |  | 37, 984 | 68,767 | +81.0 |
| Unfilled orders (railroads)- |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | 31,671 27, 289 | 29,317 25,554 | 33,123 29,857 | -35,677 | 34,085 29,796 | 33,457 28,057 | $\stackrel{28,121}{24,109}$ | -1.8 | +19.0 +16.4 |  |  |  |
|  | 4,382 | 3,763 | 3, 266 | 4,392 | 4,289 | 5,400 | 4,012 | +25.9 | +34.6 |  |  |  |
| Passengers cars: |  |  |  |  |  |  |  |  |  |  |  |  |
| New orders | 149 |  | 51 | 57 | 77 | 58 | 228 | -24.7 | -74.6 | 1,773 | 1,20ิ2 | -28.8 |
| shipments- <br> Total $\qquad$ cars | 76 | 96 | 69 | 189 | 116 | 95 | 111 | -18.1 | -14.4 | 1,232 | 1,126 | -8.6 |
| Domestic.-...-.-.-.-....-........-cars.- | 64 | 77 | 69 | 149 | 116 | . 80 | 109 | -31.0 | -26. 7 | 131 | 1,018 | -10.0 |
| Owned or leased, end of quarter ......cars.- |  | 252,165 |  |  | ${ }^{2} 51,877$ |  | ${ }^{\text {a }} 52,769$ | -0.6 | -1.7 | 212, 185 | 209, 306 | -1.4 |
| Unfilled orders, end of quarter ......cars |  | ${ }^{2} 681$ |  |  | ${ }^{2} 410$ |  | ${ }^{3} 853$ | -39.8 | -51.9 |  |  |  |
| Passenger travel |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arrivals from abroad: |  |  |  |  |  |  |  |  |  |  |  |  |
| Immigrants...--........-.-.-......number.-- | 22,778 | 28, 020 | 26, 740 | 21, 522 | 17,842 |  | 17, 806 |  |  | 290, 297 | 268, 941 | -7.4 |
| United States citizens.............number-- | 70,783 | 85,946 | 47, 757 | 25, 129 | 21, 177 |  | 23, 450 |  |  | 442, 599 | 470, 045 | +6.2 |
| Departures abroad: |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 70,551 | 49,429 | 39,767 | 20,413 | 27, 404 |  | 28, 808 |  |  | 451, 972 | 452,658 | -31.5 +0.2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pullman company operations: <br> Revenue thous. of dolls | 7,927 | 7,483 | 6, 800 | 5,722 | 6,507 |  | 7,033 |  |  | 80,846 |  | +1.9 |
| Passengers carried.-....-.-.-......thousands.- | 3,287 | 3,031 | 2, 721 | 2,437 | 2,731 |  | 2,836 |  |  | 33, 924 | 33, 435 | $-1.4$ |
| Trend of business in hotels: |  |  |  |  |  |  |  |  |  |  |  |  |
| Warehouses |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| PUBLIC UTILITIES |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Telegraph companies: |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial telegraph tolls thous. of dolls.- | 12,067 | 11, 531 | 12,485 | 10, 540 | 11,298 |  | 11,180 |  |  | 130, 648 | 137, 486 | +5.2 |
| Operating revenues.-.---- thous. of dolls.- | 15, 316 | 14, 751 | 15,947 | 13, 633 | 14, 572 |  | 14,133 |  |  | 164, 362 | 174, 972 | +6.5 |
| Operating income....-.....thous. of dolls -- | 1,688 | 1,724 | 2,029 | 2, 260 | 2, 304 |  | 1,658 |  |  | 21, 404 | 21, 503 | +0.5 |
| Gas and electric companies: |  |  |  |  |  |  |  |  |  |  |  |  |
| Net earnings.............-.-.-.thous. of dolls-- | 73, 000 | 80, 000 | 83, 000 | 92, 000 | 100,000 |  | 92, 000 |  |  | 868, 703 | $1,006,500$ | +15.9 |
| Electric railways (212 companies): Passengers carried......thous. of persons. | 724, 812 | 704,818 | 774,466 | 748, 624 | 795, 643 | 781, 927 | 799, 843 | -1.7 | -2.2 | 9,268, 039 |  | -1.3 |
|  | 8.260 | 8.260 | 8.272 | 8. 272 | 8. 272 | 8. 288 | 8. 194 | +0.3 | +1.1 | 9,208,089 | 9,143, 64 |  |
| ELECTRIC POWER |  |  |  |  |  |  |  |  |  |  |  |  |
| Electric power production: $\quad 8$. |  |  |  |  |  |  |  |  |  |  |  |  |
| Total...........------ mills. of kw. hours.- | 8,354 | 8,061 | 8,708 | 4 8, 243 | 48,510 | 8,647 | 8,241 | +1.6 | +4.9 | 87, 850 | 97, 281 | +10.7 |
| By water power.-..-.-mills. of kw. hours.- | 2,835 | 2,471 | 2,730 | 264 | 42,748 | 2,900 | 2,698 | +5.6 | +7.5 | 34, 698 | 34, 602 | -0.3 |
| By fuels.-------.-....-mills. of kw. hours.. | 5,519 | 5,590 | 5,978 | ${ }^{4} 560$ | ${ }^{4} 5,762$ | 5,747 | 5,543 | -0.3 | +3.7 | 53, 152 | 62, 679 | $+17.9$ |
| In street railways, manfg. plants, etc_-_mills. of kw. hours_- | 390 | 380 |  | 360 | 402 |  | 437 |  |  | 5,025 | 4,606 | -8.3 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total...-.-..................mills. of kw , hours.- | 1,447 | 1,477 | 1,594 | 4 1, 595 | 1,538 |  | 1,507 |  |  | 15, 931 | 17; 629 | $+10.7$ |
| By water power...-.-- mills. of kw. hours.-- | 1,428 | 1,455 | 1,559 | +1,559 ${ }^{124}$ | 1, 499 |  | 1,478 |  |  | 15,705 1,588 | 17,298 1,444 | +10.1 +9.1 |
| Electric power, gross revenue...thous. of dolls.- | 163, 400 | - 170,800 | ${ }^{1} 179,400$ | 4 187, 300 | 190, 300 |  | 184, 200 |  |  | 1,908,499 | 2,073,100 | +8.6 |
| Consumption of electrical energy: |  |  |  |  |  |  |  |  |  |  |  |  |
| By geographic divisions- <br> United States rel. to 1923-25 | 128.2 | 135.8 | 134.6 | 122.9 | 116.4 | 121.8 | 132.5 | +4.6 | -8.1 |  |  |  |
| New England----------rerer. to 1923-25-- | 108.7 | 118.2 | 126.2 | 118.1 | 107.0 | 120.5 | 127.6 | +12.6 | -5.6 |  |  |  |
| North Central...........rel. to 1923-25.- | 135.5 | 140.6 | 136.9 | 122.2 | 109.0 | 128.0 | 138.8 | +17.4 | -7.8 |  |  |  |
| Middle Atlantic........-rel. to 1923-25-. | 127.9 | 138.0 | 133.0 | 124.3 | 120.5 | 125.8 | 126.7 | +4.4 | $-0.7$ |  |  |  |
| Southern..--.-----.-....rel. to 1923-25.- | 132.7 | 126.3 | 131.2 | 122.8 | 130.4 | 110.0 | 120.5 | -15.6 | -8.7 |  |  |  |
| Western-..........-.-.--rel. to 1293-25-- | 127.0 | 143.1 | 133.8 | 142.6 | 126.0 | 115.2 | 131.9 | -8.6 | -12.7 |  |  |  |
| By industry- |  |  |  |  |  |  |  |  |  |  |  |  |
| All industry-----------rel. to 1293-25.- | 128.2 | 135.8 | 134.6 | 122.9 | 116.4 | 121.8 | 132.5 | $+4.6$ | -8.1 |  |  |  |
| Chemical and allied <br> products. $\qquad$ rel. to 1923-25 _- | 125.0 | 139.9 | 145.0 | 147.3 | 148.0 | 136.7 | 129.2 | -7.6 | +5.8 |  |  |  |
| Food and kindred |  |  |  |  |  |  |  |  |  |  |  |  |
| products .--.-.......rel. to 1923-25.- | 132.2 | 141.2 | 131.7 | 127.9 | 121.1 | 132.3 | 128.0 | +9.2 | +3.4 |  |  |  |
| Rolling mills and steel <br> plants. rel. to 1923-25.- | 150.9 | 152.3 | 144.8 | 123.2 | 120.5 | 143.1 | 153.5 | +18.8 | -6.8 |  |  |  |

[^6]${ }^{2}$ Quarter ending Dee. 31, 1928.

- Revised.


## TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey"" | 1929 |  |  |  |  | 1930 | 1929 | PER CENT INCREASE ( + ) or Decrease (-) |  | cumulative total from jan. 1 through DEC. 31 |  | Per ct. <br> in- <br> crease <br> ( + ) <br> or <br> crease <br> ( - ) <br> cumu- <br> lative <br> 1929 <br> from <br> 1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | $\begin{aligned} & \text { Septem- } \\ & \text { ber } \end{aligned}$ | October | $\begin{aligned} & \text { Novem- } \\ & \text { ber } \end{aligned}$ | $\begin{aligned} & \text { Decem- } \\ & \text { ber } \end{aligned}$ | January | January | Jan., 1930, from Dee., 1929 | Jan., from Jan., 1929 | 1928 | 1929 |  |
| ELECTRIC POWER-Continued |  |  |  |  |  |  |  |  |  |  |  |  |
| Consumption of electrical energy-Continued. By industry-Continued. |  |  |  |  |  |  |  |  |  |  |  |  |
| Metal working plants..-rel. to 1923-25-. | 140.7 | 149.2 | 145.1 | 126.7 | 124.9 | 132.9 | 142.6 | $+6.4$ | -6.8 |  |  |  |
| Leather and its <br> products. rel. to 1923-25-. <br> Lumber and its | 102.2 | 105.4 | 93.0 | 97.6 | 39.0 | 2.3 | 94.3 | +3.7 | -2.1 |  |  |  |
| products $\qquad$ rel. to 1923-25.- | 102.3 | 111.4 | 109.8 | 111.8 | 92.8 | 87.5 | 107.4 | -5.7 | -18.5 |  |  |  |
| Paper and pulp.........rel. to 1923-25.- | 123.6 | 127.0 | 141.0 | 133.7 | 132.1 | 120.8 | 126.2 | -8.6 | -4.3 |  |  |  |
| Rubber and its |  |  |  |  |  |  |  |  |  |  |  |  |
|  | $\begin{gathered} 120.2 \\ 96.3 \end{gathered}$ | $\begin{aligned} & 133.7 \\ & 114.9 \end{aligned}$ | 135.1 134.4 | 113.1 114.0 | 1208.4 | $\begin{aligned} & 144.4 \\ & 124.4 \end{aligned}$ | 148.2 108.2 | +33.2 +3.3 | +2.6 |  |  |  |
| Stone, clay, and glass...-rel. to 1923-25.. | 157.7 | 165.7 | 159.2 | 146.2 | 146.2 | 124.2 | 137.4 | -15.0 | -9.6 |  |  |  |
| Textiles | 110.0 | 115.5 | 129.8 | 115.5 | 109.8 | 112.4 | 129.4 | +2.4 | -13.1 |  |  |  |
| Automobiles, including repair parts. rel. to 1923-25.- | 143.0 | 138.1 | 122.4 | 88.4 | 79.4 | 99.8 | 149.4 | +25.7 | -33.2 |  |  |  |
| EMPLOYMENT AND WAGES |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| New York State...-.............-rel. to 1923.-- | 87.7 | 89.3 | ${ }_{89.7} 7$ | 87.6 | 84.2 | 82.3 | 84.8 | -2. 3 | -2.9 |  |  |  |
| New Jersey .-...................-rel. to 1923.- | 103 | 104 | 103 | 100 | 95. | 93 | 97 | -2.1 | -4. 1 |  |  |  |
| Pennsylvania_..................-rel. to 1923.- | 87 | 88 | 87 | 93 | 91 | 90 | 81 | $-1.1$ | +11.1 |  |  |  |
| Delaware--.................-.-rel. to 1923-- | 84 | 85 | 83 | 84 | 84 | 81 | 75 | -3.6 | +8.0 |  |  |  |
|  | 93.0 | 94.2 | 93.1 | 90.9 | 89.2 | 86. 2 | 85.7 | -3.4 | +0.6 |  |  |  |
| 1owa-..--------------.-------rel. to 1923.- | 133.2 | 133.4 | 133.6 | 130.0 | 126.8 | 122.9 | 121.8 | -3.1 | +0.9 |  |  |  |
| Illinois.......................rel. to 1925-27-- | 105.1 | 105.8 | 103.8 | 102.7 | 99.3; | 97.8 | 98.2 | -1.5 | -0.4 |  |  |  |
| Whisconsin....................--re.-rel. to 1923 -- | ${ }_{116} 12$ | ${ }_{115}^{97}$ | ${ }^{98.1} 1$ | ${ }^{94.7}$ | ${ }_{102}^{90.1}$ | 90.0 | 94.2 | -0.1 | -4.5 |  |  |  |
| Cleveland.---..............rel. to Jan., 1921.. | 125.0 | 124.0 | 119.2 | 108.8 | 106.2 | 109.1 | 117.9 | +2.7 | $-7.5$ |  |  |  |
| Milwaukee...-.......-.-.-.......-number.- | 43, 736 | 41,555 | 40,599 | 39,591 | 39,016 | 39,823 | 40,707 | +2.1 | -2.2 |  |  |  |
| New York State...--.-.-..........number-- | 485, 330 | 494, 311 | 496, 578 | 485, 018 | 465, 915 | 455, 480 | 469, 125 | -2. 2 | -2.9 |  |  |  |
| Oklahoma.-.....-..................number-- | 38,978 | 38, 239 | 38,620 | 37, 510 |  |  | 32,618 |  |  |  |  |  |
| Total pay roll:       <br> New York State (weekly) _-thous. of dolls_- 14,599 15,063 14,938 14,328 13,860 $\ldots \ldots \ldots$ |  |  |  |  |  |  |  |  |  |  |  |  |
| Oklahoma (weekly) .-.....-thous. of dolls.- | 1,074 | 1,015 | 1,054 | 1,032 |  |  | 884 |  |  |  |  |  |
| Wisconsin------.-...........-rel. to 1923-- | 105.3 | 99.2 | 106.0 | 100.4 | 89.7 | 87.7 | 96.1 | -2.2 | -8.7 |  |  |  |
| New York State..............-.rel. to 1923.- | 96.8 | 99.9 | 99.1 | 95.0 | 91.9 | 89.7 | 92.5 | -2.4 | -3.0 |  |  |  |
| New Jersey .-.....................rel. to 1923.- | 115 | 116 | 118 | 112 | 107 | 105 | 108 | $-1.9$ | -2.8 |  |  |  |
| Pennsylvania-------...---.-.-rel. to 1923-- | 93 | 91 | 93 | 90 | ${ }^{86}$ | 85 | 82 | -1.2 | +3.7 |  |  |  |
| Delaware .------------------rerel. to 1923-- | 90 | 88 | 90 | 90. | 90 | 86 | 79 | -4.4 | +8.9 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canada-..-......--rel. to calendar year 1926.. | 127.8 | 126.8 | 125.6 | 124.6 | 119.1 | 111.2 | 109.1 | -6.6 | +1.9 |  |  |  |
| Employment, trade-unions: |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| United States $\qquad$ per cent of total. | ${ }_{96.5}^{91.0}$ | 90.0 96.3 | 89.0 | 88.0 | 84.0 | 81.0 | 85.0 | -3.6 | -4.7 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pay roll .-.....-.-........-rel. to 1923-25.. | 68.9 | 83.4 | 116.6 | 87.6 | 110.3 | 92.1 | 112.6 | $-16.5$ | -18.2 |  |  |  |
| Federai civilian employes,          <br> Washington D , C end month number 63,632 63,516 63,713 63,877 63,946 64,356 62,257 +0.6 +3.4 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Illinois.....................................dollars.- | 28.57 | 28.26 | 29.17 | 28.52 | 28.12 | 28. 30 | 28.72 | $\pm 0.6$ | -1.5 |  |  |  |
| New York State....-.-.-.......-.-. dollars.- | 30.08 | 30.47 | 30.08 | 29.54 | 29.75 | 29.70 | 29.71 | -0.2 | 0.0 |  |  |  |
| Wisconsin-.----------------.--- dollars, | 26. 51 | 25.17 | 26.70 | 26.13 | 24. 18 | 24. 10 | 24.45 | -0.3 | -1.4 |  |  |  |
|  | 27.55 | 26. 50 | 27.28 |  |  |  | 27.09 |  |  |  |  |  |
| New York-....-.-.-.-...-.....-rel. to 1923.- | 110.4 | 111.9 | 110.4 | 108.4 | 109.2 | 109.0 | 109.1 | -0.2 | -0.1 |  |  |  |
| New Jersey .-.....................rel. to 1923.- | 113 | 112 | 115 | 113 | 113 | 114 | 112 | +0.9 | +1.8 |  |  |  |
| Pennsylvania.................--rel. to 1923.- | 107 | 104 | 107 | 105 | 102 | 102 | 102 | 0.0 | 0.0 |  |  |  |
|  | 105 | 103 | 107 | 106 | 107 | 105 | 104 | -1.9 | +1.0 |  |  |  |
|  | 100.7 | 99.6 | 102.8 | 100.5 | 99. 1 | 99.7 | 98.0 | +0.6 | +1.7 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total male --------------------.- dollars.- | 30.69 | 31.56 | 31.60 | 29.37 | 29.83 | 29. 53 | 30.51 | -1.0 | -3.2 |  |  |  |
|  | 32.18 | 33.06 | 33.14 | 30.81 | 31. 25 | 30.87 | 31.971 | -1.2 | -3.4 |  |  |  |
|  | 25.09 | 25.82 | 25. 64 | 23. 86 | 24.35 | 24. 31 | 25. 13 | -0.2 | $-3.3$ |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nominal (both sexes) ..------------hours.- | 49.4 | 49.6 | 49.4 | 49.3 | 49.2 | 49.2 | 49.7 | 0.0 | -1.0 |  |  |  |
| Actual (both sexes) --...............- hours-- | 48.4 | 49.0 | 49.4 | 46.9 | 47.4 | 46.4 | 48.5 | -2.1 | -4.3) |  |  |  |
| Wages, road labor, by districts: |  |  |  |  |  |  |  |  |  |  |  |  |
| Middle Atlantic..............cents per hour-- | 42 | 43 | 42 | 42 | 45 | 47 | 45 | +2.0 +4.4 | +4.0 |  |  |  |
| South Atlantic....-........cents per hour -- | 30 | 29 | 27 | 24 | 27 | 25 | 23 | $\pm 7.4$ | +8.7 |  |  |  |
| East South Central........cents per hour .- | 25 | 25 | 26 | 26 | 25 | 25 | 26 | -0.0 | -3.8 |  |  |  |
| West South Central -...---eents per hour-- | 30 | 31 | 30 | 30 | 31. | 31 | 31 | 0.0 | 0.0 |  |  |  |
| East North Central........cents per hour-- | 39 | 39 | 38 | 39 | 39 | 40 | 45. | $+2.6$ | -11.1 |  |  |  |
| West North Central.......-cents per hour-- | 37 | 37 | 37 | 37 | 38 | 40 | 38 | +5.3 | +5.3 |  |  |  |
| Mountain....-...........-cents per hour-- | 48 | 48 | 48 | 48 | 50 | $46^{1}$ | 44 | $-8.0$ | +4.5 |  |  |  |
| Pacific--.-.-..........--cents per hour-- | 52 | 54 | 53 | 52 | 53. | 53 | 52 | 0.0 | +1.9 |  |  |  |
| United States, a verage.....cents per hour.- | 40 | 41 | 40 | 40 | 40 | 40. | 36 | 0.0 | +11.1 |  |  |  |
| Wage rates, U. S. Steel Corp.-cents per hour.- | 50 | 50 | 50 | 50 | 50 | 50 | 50 | 0.0 | 0.0 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Applicants per 100 jobs, employment agencies: United States................. |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 124 | 114 | 127 | 153 | 166 | 201 | 156 | +21.1 | +28.8 |  |  |  |
|  | 135 | 132 | 148 | 177 | 181 | 231 | 164 | $+27.6$ | + +40.9 |  |  |  |
|  | 178 | 148 | 164 | 205 | 222 | 250 | 283 | +12.6 | $-11.7$ |  |  |  |
| Western States.....-...............number.- | 75 | 67 | 71 | 75 | 77 | 101 | 80 | +31.2 | +26.3 |  |  |  |
| Illinois.---.........................number-. | 137 | 136 | 147 | 181 | 177 | 257 | 182 | +45.2 | +41.2 |  |  |  |
| Wisconsin..........................number.- | 117 | 117 | 128 | 160 | 163 |  | 138 |  |  |  |  |  |
| Canada-.---------------------number.- | 119 | 129 | 143 | 164 | 154 |  | 168 |  |  |  |  |  |

TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued

| The cumulatives shown are through December except where otherwise noted. Earlier data for items shown here may be found on pages 27 to 138 of the February, 1930, "Survey" | 1929 |  |  |  |  | 1930 | 1929 | $\begin{aligned} & \text { PER CENT IN- } \\ & \text { CREASE }(+) \text { OR } \\ & \text { DECREASE }(-) \end{aligned}$ |  | cumulative total <br> from jan. 1 through DEC. 31 |  | Per ct. <br> in- <br> crease <br> or de- <br> or <br> crease <br> $(-)$ <br> cumu. <br> lative <br> 1929 <br> from <br> 1928 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | August | Septem- ber | October | November | $\begin{gathered} \text { Decem. } \\ \text { ber } \end{gathered}$ | January | January | $\begin{aligned} & \text { Jan., } \\ & \text { 1930, } \\ & \text { from } \\ & \text { Dece, } \\ & 1929^{\prime} \end{aligned}$ | $\begin{aligned} & \text { Jan., } \\ & \text { fro3, } \\ & \text { from, } \\ & \text { Jan., } \\ & 1929 \end{aligned}$ | 1988 | 1929 |  |
| BANKING AND FINANCE <br> Life Insurance <br> (Association of Life Insurance Presidents) |  |  |  |  |  |  |  |  |  |  |  |  |
| Policies and certificates, new ( 44 companies): Ordinary $\qquad$ number of policies.- |  | 245, 042 | 289, 055 |  |  |  |  | -18.3 |  |  |  |  |
| Industrial number of policies.- | 795, 451 | 805, 623 | 879, 483 | 941, 358 | 863, 763 | 802, 585 | 1,051, 883 | -7.1 | ${ }_{-23.7}^{+15}$ | 10,402, 219 | 10,816,882 | +9.9 +4.0 |
| Group.---..-.-.-.-number of certificates.- | 40,622 | 21, 799 | 49,062 | 39, 571 | 102, 963 | 43, 081 | 1, 57, 921 | -58.2 | $-25.6$ | 10, 559,453 | -606, 542 | +8.4 |
| Total policies and certiifeates....nnumber-- | 1, 109,557 | 1,072, 464 | 1, 217,600 | 1, 262,289 | 1,283,029. | 1,100,098 | 1,330, 727 | -14.3 | -17.3 | 13,946, 053 | 14, 708, 634 | +5.5 |
|  | 698, 196 | 608,869 | 707,478 | 704, 316 | 841, 215 | 712,855 | 659, 843, | -15.3 | +8.0 | 8, 199, 375 |  | +7.3 |
| Industrial.....................thous. of dolls.-. | 219, 144 | 221,006 | 240, 489 | 249, 246 | 234, 046 | 218, 027 | 265, 998 | -6.8 | -18.0 | 2, 692,522 | 2, 898, 158 | +7.6 |
| Group .-.......---.-.....--thous. of dolls.- | 99, 773 | 75,151 | 105,393 | 86, 165 | 160,514 | 64, 313 | 98,637 | -59.9 | -34.8 | 1, 336, 328 | 1, 185, 365 | -11.3 |
| Total insurance----1-..-.thous. of dolls.- | 1,017, 113 | 905, 026 | 1, 053, 360 | 1, 039, 727 | 1,235,775 | 995, 195 | 1, 024, 478 | -19.5 | -2.9 | 12, 228, 225 | 12, 885, 389 | +5.4 |
| Ordinary .-.-.-----.-.-.- thous. of doils-- | 154, 206 | 143, 078 | 169, 724 | 156,465 | 190, 844 |  | 160, 867 |  |  | 1, 873, 934 | 1,986,525 | +6.0 |
| Industrial..........-...----thous. of dolls.- | 56, 143 | 56,773 | 51,705 | 57,973 | 97,719 |  | 53,806 |  |  | 662,506 | 703,853 | +6.2 |
| Group-....-.-.-...-......- thous. of dolls | 27,129 | 6,485 | 8,497 | 10, 081 | 10,560 |  | 8,938 |  |  | 87,979 | 111,731 | +27.0 |
| thous. of dolls_ <br> Admitted life insurance assets (40 companies): | 217,478 | 206, 336 | 229, 226 | 224, 519 | 299, 023 |  | 223, 611 |  |  | 2, 624, 419 | 2,802,109 | +6.8 |
| Grand total $\qquad$ mills. of dolls. Mortgage loans- | 13,691 | 13,798 | 13,906 | 14, 015 | 14,135 |  | 12,982 |  |  |  |  |  |
| Total...................-mills. of dolls.. | 3, 887 | 5,925 | 5,972 | 6, 002 | 6, 048 |  | 5, 619 |  |  |  |  |  |
| Farm.-................-mills. of dolls.- | 1,600 | 1,600 4,325 | 1,599 | 1,598 | 1,591 |  | 1,604 |  |  |  |  |  |
| All other....-..................ills. of dolls. Bonds and stecks (book value): | 4, 287 | 4,325 | 4, 373 | 4, 404 | 4,457 |  | 4,015 |  |  |  |  |  |
| Total......................--mills. of dolls.- | 5,188 | 5,208 | 5,234 | 5,237 | 5, 264 |  | 4,912 |  |  |  |  |  |
| Government.-.........-.-.-.-.mills. of dollls.-. | 1,062 | ${ }^{1,070}$ | 1, 063 | 1,040 | 1,053 |  | 979 |  |  |  |  |  |
|  | 1, 2726 | 2,527 1,281 | 1, ${ }^{2}, 234$ | 2,540 1,311 | 2,539 |  | 2, 1,219 |  |  |  |  |  |
| All other...................---mills, of dolls.. | 326 | 330 | 342 | 346 | 353 |  | 262 |  |  |  |  |  |
| Policy loans and <br> premium notes $\qquad$ mills. of dolls. | 1,688 | 1,707 | 1,738 | 1,807 | 1,842 |  | 1,554 |  |  |  |  |  |
| (Life Insurance Sales Research Bureau) |  |  |  |  |  |  |  |  |  |  |  |  |
| Sales of ordinary life insurance: |  |  |  |  |  |  |  |  |  |  |  |  |
| United States total - .-....-thous. of dolls.- Eastern manuf dis....thous, of dolls | 765, 702 | 677, 104 | 787,183 309,637 | 782,497 | 915, 894 . | 755,821 | 4719.491 | -17.5 | +5.0 | 8,936, 665 | 9, 650, 837 | +8.0 |
| Eastern manuf. dis....thous. of dolls-- | 300,810 177,990 | 261,657 161,222 | 309,637 184,974 | 320,244 181,245 | - 350,504 | 325,695 169,279 | 4 <br> 4 <br> 1611,189 <br> 182 | -7.1 -19.9 | +4.7 | 3, 648, 065 $2,005,524$ | $3,921,777$ <br> 2,233 | +7.5 +11.4 |
| Western agric. district-thous. of dolls.. | 116, 749 | 104, 534 | 121, 085 | 115, 195 | 143, 354 | 105, 573 | (100, 841 \| | -26.4 | +4.7 | 1, 345, 140 | 1, 423, 160 | +1.4 +5.8 |
| Southern district.-.....thous. of dolls.- | 90,526 | 77, 810 | 89, 697 | 88, 032 | 110, 994 | 83, 228 | 173, 292 | -25.0 | +13.6 | 1, 055,200 | 1, 0963 , 567 | +3.9 |
| Far western district...-thous. of dolls.- | 79, 627. | 71,881 | 80,840 | 77,781 | 99,777 | 72,046 | ${ }^{4} 67,882$ | -27.8 | +6.1 | 882,736 | 975, 674 | +10.5 |
| Canada total, 15 companies thous. of dolis... | 42,468 | 43, 911 | 52, 985 | 56,673 | 55,350 | 40,788 | ${ }^{4} 51,097$ | -15.5 | -8.4 | 580, 674 | 614, 727 | +5.9 |
| Chetr Panking |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| New York City | 49,034 | 50, 342 | 63, 325 | 53, 604 | 39,850 | 34, 732 | 54, 719 | -12.8 | -36.5 | 500, 210 | 603, 088 | +20.6 |
| Outide of New York City .-.mils. of dolls.- | 28, 339 | 27,314 | 32, 261 | 28,519 | 26,932 | 25,723 | 28, 126 | -4.5 | -8.5 | 306, 195 | 332, 327 | +8.5 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Notes in circulation.........-mills. of dolls.- | 1,829 | 1,851 | 1,880 | 1,930 | 1,910 | 1,702 | 1,645 | -10.9 | - +3.5 |  |  |  |
| Total investments.........--mills. of dolls.- | 1,328 | 484 | 658 | , 602 | , 915 | ${ }^{1} 747$ | 1,646 | -18.4 | +15.6 |  |  |  |
| Total reserve-...............-mills. of doils.. | 3,149 | 3,141 | 3,177 | 3,135 | 3,011 | 3,188 | 2, 835 | +5.9 | +12.5 |  |  |  |
| Total deposits...----.-....-mills. of dolls.. | 2,348 | 2,471 | 2,696 | 2,437 | 2,414 | 2,369 | 2, 437 | -1.9 | $-2.8$ |  |  |  |
| Federal reserve member banks:          <br> Total loans and discounts..-mills. of dolls. 16,950 17,428 18,984 17,698 17,649 16,676 16,121 -5.5 +3.4 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total investments .-......-milis. of dolls.- | 5,456 | 5,401 | 5,496 | 5,655 | 5,514, | 5,529 | 6, 053 | $+0.3$ | -8.7 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total...-...-.-.......-mills. of dolls.. | 7,882 | 8,549 | 6,109 | 4,017 | 3,990 | 3,985 | 6,735 | -0.1 | -40.8 |  |  |  |
| Ratio to market value.......-per cent.- | 79 | 9.82 | 8.51 | 6.32 | 6.16 | 5.77 | 9.48 | 3 | -39.1 |  |  |  |
| By New York F. R. member banks...........................-. mills. of dolls.. | 6,217 | 6,804 | 5,538 | 3,450 | 3,424 | 3,345 | 5,559 | -2.3 | -39.8 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Time loans, 90 days-.............-per cent... | 8.88 | 8. 88 | 8.00 | 5.38 | 4.88 | 3.88 | 7.75 | -20.5 | -49.9 |  |  |  |
|  | 8.23 6.13 | 8.50 6.25 | 6.43 6.25 | 5.44 | 4.83 5.00 | 4. 64 4.88 | 7.05 5.38 | -3.9 -2.4 | -34.2 <br> -9.3 |  |  |  |
| Prime bankers' acceptances......-per cent.- | 5.13 | 5.13 | 5. 13 | 4.19 | 3. 88 | 3.94 | 4.88 | +1.5 | -19.3 |  |  |  |
| N. Y. Fed. Res. Bank (redis.) ... per cent-- | 6.00 | 6. 00 | 5.00 | 4. 50 | 4.50 | 4.00 | 5.00 | -11.1 | -20.0 |  |  |  |
| Federal land banks .-..........- per cent.- | 5.31 | 5. 44 | 5.51 | ${ }^{4} 5.79$ | -5.79 | 5.79 | 5.05 | 0.0 | +14.7 |  |  |  |
| Intermediate credit banks........Fer cent.. | 5.67 | 5. 67 | 5. 68 | 5.70 | 5. 57 | 5.34 | 5.33 | -4.1 | +0.2 |  |  |  |
| banks, end of month ...........mills. of dolls.- | 4,426 | 4,457 | 4,372 | 4,333 | 4,392 | 4,415 | 4,410. | +0.5 | +0.1 |  |  |  |
| Public Finance |  |  |  |  |  |  |  |  |  |  |  |  |
| Government debt, gross, end mo.mills. of dolls.- | 16, 805 | 16,720 | 16, 698 | 16, 692 | 16,301 | 16, 423 | 17, 379 | +0.7 | -5. 5 |  |  |  |
| Customs receipts --------.-.--thous. of dolls.-- | 56,427 | 57, 612 | 57,607 | 44, 126 | 39, 298 | 41, 278 | 45,549 | +5.0 | -9.4 | 565,500 | 602,698 | +6.6 |
| Total ordinary receipts..........thous. of dolls.. Expenditures chargeable to | 174, 502 | 670, 736 | 175, 998 | 143,889 | 742, 942 | 151, 195 | 163,889 | -79.6 | -7.7 | 3, 220,048 | 4, 243, 151 | +8.2 |
| ordinary receipts...-...-....-thous. of dolls.- | 210, 725 | 399, 068 | 364, 678 | 218,407 | 443, 191 | 347, 351 | 371, 595 | -21.6 | -6.5 | 3, 755, 205 | 3, 798, 233 | +1.1 |
| U. S. money in circulation: <br> Daily average...................mills. of dolls.. | 4,777 | 4,811 | 4,810 | 4, 845 | 4,943 | 4,652 | 4,748 | -5.9 | -2.0 |  |  |  |
| Gald. Gold and Silver |  |  |  |  |  |  |  |  |  |  |  |  |
| Gold: ${ }_{\text {Domestic }}$ receipts at mint.....fine ounces... | 100, 387 | 77,029 | 121, 193 |  |  |  |  |  |  |  |  |  |
| Rand output.---.----.-...-. fine ounces.- | 889, 601 | 849, 553 | 888, 690 | 861, 593 | 4851, 134 | 882, 801 | 876, 452 | +3.7 | $+0.7$ | $\begin{array}{r} 981,33.3 \\ 10,358,596 \end{array}$ | $\begin{array}{r} 978,551 \\ 10,414,066 \end{array}$ | $\begin{array}{r} -0.3 \\ +0.5 \end{array}$ |
| Monetary stock of U. S.- daily average...........-. mills. of dolls.. | 4,351 | 4,368 | 4, 381 | 4,374 | 4,324 | 4,283 | 4,115 | -0.9 | +4.1 |  |  |  |
| Imports...--...----.......-thous. of dolls.- | 19,271 | 18,781 | 21,321 | 7,123 | 8,121 | 12,908 | 48,577 | +58.9 | -73.4 | 168, 898 | 291, 649 | +72. |
| Exports....-................thous. of dolls.. | 881 | 1,205 | 3,805! | 30, 289 | 72, 547 | 8,948 | 1,378 | $-87.7$ | +549.3 | 560, 760 | 116,583 | $-79.2$ |

TREND OF BUSINESS MOVEMENTS--Continued


TREND OF BUSINESS MOVEMENTS-Continued


TREND OF BUSINESS MOVEMENTS-Continued


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#### Abstract

  










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[^0]:    * Seasonal adjustments.

[^1]:    * Fluctuations between maximum and minimum due largely to seasonal conditions: Minerals and Manufacturing are adjusted for seasonal variations except where

[^2]:    * Fluctuations between maximum and minimum due largely to seasonal conditions.

[^3]:    *See tables on pp. 19 and 21 of the December, 1929, issue for carlier data

[^4]:    ${ }^{1}$ Compiled by the Media Records Incorporated, New York City. These data are derived by actual measurement of space and represent the amount of national advertising

[^5]:    ${ }^{1}$ Compiled by the Allantic \& Pacific Tea Co. and represent the sales of identical stores for the periods shown

[^6]:    ${ }^{2}$ Quarter ending in month indicated.

