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## INDEX OF INDUSTRIAL PRODUCTION $(1949=100)$

MAY 1966

The seasonally adjusted index of industrial production advanced by 0.4 per cent in May.


This issue contains indexes of non-agricultural real output for the latest available quarter (lst quarter 1966).

Industrial Output Section
National Accounts and Balance of Payments Division

DOMINION BUREAU
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## MAY INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production for May advanced by $0.4 \%$ to 275.6 frow the revised April figure of 274.5 . Gains of better than $1 \%$ in mining and of almost $5 \%$ in electric power and gas utilities were partially offset by a small decline of $0.3 \%$ in manufacturing. Within the latter, the drop was centred in durables ( $-0.7 \%$ ), as non-durables' output rose only marginally

The two major groups responsible for bringing durable manufacturing lower in May were iron and steel products and transportation equipment; the former was largely due to a drop in primary iron and steel output, while in the latter, motor vehicle production declined for the third consecutive month, this time by almost $8 \%$. Elsewhere in durables, gains were recorded in electrical apparatus and supplies ( $+1 \%$ ), non-ferrous metal products ( $+2 \%$ ) and non-metallic mineral products ( $+4 \%$ ). Wood products showed little change in May.

In non-durable manufacturing, clothing, leather products and total foods and beverages were virtually unchanged, although there were some large but offsetting movements within the beverages component of the latter. Other declines occurred in chemicals ( $-3 \%$ ), tobacco ( $-4 \%$ ), rubber ( $-6 \%$ ), and textile products ( $-2 \%$ ), with the latter still affected by labour disturbances. The largest increases were in the newsprint - oriented groups as paper products moved higher by more than $3 \%$ while printing and publishing gained almost $6 \%$.

Although metal mining stayed at about the same level in May as in April, there were some irregularly large movements within the group, as gold, copper and lead showed positive changes, with each of nickel and zinc lower by substantial amounts. The gain in total mining emanated solely from fuels, where all three components were strong.

In electric power and gas utilities, both components showed good gains.

## SPECIAL NOTE

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from Januarv, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found 20 the recently published "Annual Supplement to the Index of Industiral Production (1949=100)", DBS Catalogue No. 61-005. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966 .

These changes in the post 1948 period stem from the incorporation of more recent census-based annual levels, the substitution of a few improved monthly projectors, the incorporation of revisions to the underlying data, the use of an improved method of adjusting monthly series to annual levels, and from the reseasonal adjustment of all components of the Index.

The quarterly and annual estimates of Real Domestic Product and its components usually shown In the monthly publication have also been revised through the incorporation of the revised data for the Index of Industrial Production and its components. It should be noted that only those industry groupings composed in whole or in part of the Index of Industrial Production are affected by the changes. These revised quarterly and annual estimates are shown to the end of 1965 in the above supplement and current data will be published in the April issue of the "Index of Industrial Production".

The present revisions retain the 1949 weight and reference base and constitute the first stage of a several-stage programe, which will extend over a number of years, and is aimed at improving the quality and general usefulness of the Real Domestic Product by industry of origin data, including the Index of Industrial Production. Previously, Census-based annual benchmarks had not been calculated for the Index of Industrial Production beyond the mid-1950's. A major objective of the present revision was to remedy this situation and comprehensive annual benchmarks were accordingly calculated for all industries for at least the year 1959 on a 1948 Standard Industrial Classification (S.I.C.) basis.

The next stage in this programe will consist of converting the entire Real Domestic Product system to the 1960 S.I.C. and to a 1961 weight and reference base. Thus, in regard to the Index of Industrial Production components it should be noted that all post-1959 indexes are subject to fur ther revisions. In the industries outside the area of the Index of Industrial Production, benchmark levels will be updated to 1961. This includes the incorporation of the latest (1961) Decennial Census data and therefore the historical record from 1951 forward will be changed for such industries as agriculture and retail and wholesale trade.
2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to March which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production
$(1949=100)$

| Industry or industry group | 1949 ретсеntage weights | Seasonally adjusted |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\frac{1965}{\text { Dec. }}$ | 1966 |  |  |  |  |
|  |  |  | Jan. | Feb. | Max. | Apr. | May |
| INDEX OF INDUSTRIAL PRODUCTION | 32.231 | 268.6 | 268.9 | 271.5 | 273.8 | 274.5 | 275.6 |
| MINING | 3.245 | 385.0 | 372.7 | 387.1 | 390.4 | 393.5 | 398.7 |
| Metals | 1.925 | 270.6 | 264.0 | 264.3 | 262.8 | 261.7 | 261.2 |
| Gold | 0.575 | 79.0 | 75.1 | 81.4 | 77.6 | 74.4 | 80.0 |
| Copper | 0.352 | 200.2 | 193.6 | 198.5 | 198.9 | 186.0 | 206.6 |
| Iron ore | 0.099 | 1,507.4 | 1,604.6 | 1,465.2 | 1,234.9 | 1,327.1 | 1,328.3 |
| Nickel . . . . . . . . . . . . . | 0.333 | 212.2 | 207.9 | 1.93 .1 | 217.9 | 203.3 | 182.4 |
| Non-metals | 0.268 | 410.3 | 413.0 | 417.4 | 433.1 | 409.6 | 409.9 |
| Asbestos ............... | 0.189 | 281.5 | 290.7 | 294.7 | 319.0 | 292.9 | 293.3 |
| Fuels | 0.915 | 601.7 | 576.1 | 614.1 | 622.5 | 652.2 | 671.1 |
| Coal | 0.553 | 55.7 | 54.5 | 58.2 | 54.2 | 52.1 | 56.9 |
| Natural gas | 0.035 | 1,457.2 | 1,573.3 | 1,504.6 | 1,497.6 | 1,597.1 | 1,691.5 |
| Petroleum. | 0.327 | 1,433.6 | 1,351.3 | 1,458.8 | 1,490.0 | 1,565.9 | 1,600.7 |
| MANUFACTURING, TOTAL | 27.340 | 242.5 | 243.3 | 244.6 | 246.8 | 247.7 | 247.1 |
| NON-DURABLE MANUFACTURES | 14.742 | 234.7 | 235.5 | 236.8 | 240.4 | 240.8 | 241.2 |
| Foods and beverages | 3.814 | 200.1 | 199.4 | 200.9 | 202.6 | 203.8 | 204.2 |
| Foods | 2.896 | 192.8 | 194.6 | 192.7 | 194.0 | 197.0 | 198.0 |
| Meat products | 0.523 | 189.0 | 183.6 | 185.9 | 198.8 | 190.2 | 196.2 |
| Dairy products | 0.450 | 200.6 | 200.2 | 202.7 | 202.6 | 196.6 | 195.5 |
| Canning and processing | 0.453 | 213.8 | 217.9 | 205.0 | 209.4 | 228.5 | 222.7 |
| Grain mill products.. | 0.322 | 205.6 | 212.5 | 207.6 | 195.7 | 208.1 | 203.0 |
| Bakery products .... | 0.558 | 151.3 | 150.4 | 152.6 | 154.8 | 154.6 | 154.7 |
| Miscellaneous foods | 0.590 | 206.5 | 214.2 | 211.4 | 207.6 | 212.9 | 220.5 |
| Beverages | 0.918 | 223.1 | 214.6 | 226.7 | 229.8 | 225.6 | 224.0 |
| Carbonated beverages | 0.231 | 199.7 | 187.9 | 225.6 | 200.6 | 209.4 | 217.8 |
| Breweries ........ | 0.463 | 188.5 | 202.4 | 200.6 | 193.2 | 202.3 | 186.4 |
| Distilleries | 0.203 | 326.5 | 275.2 | 290.3 | 349.8 | 300.1 | 321.2 |
| Tobacco and tobacco products | 0.248 | 250.0 | 265.5 | 270.5 | 267.5 | 261.8 | 252.6 |
| Rubber products | 0.430 | 261.5 | 265.2 | 260.3 | 263.4 | 265.4 | 250.3 |
| Leathex products . . | 0.508 | 138.5 | 135.2 | 135.1 | 137.2 | 138.0 | 138.7 |
| Boots and shoes ......... | 0.307 | 139.3 | 134.2 | 131.9 | 134.0 | 136.9 | 138.7 |
| Textiles | 1.623 | 235.4 | 235.3 | 229.0 | 231.6 | 228.8 | 224.1 |
| Cotton goods | 0.507 | 161.3 | 162.3 | 147.8 | 148.2 | 128.0 | 121.7 |
| Woollen goods | 0.300 | 91.6 | 88.2 | 91.4 | 94.9 | 93.8 |  |
| Synthetic Textiles and Silk | 0.429 | 424.4 | 427.9 | 412.9 | 419.2 | 433.7 | 421.9 |
| Clothing ................. | 1.801 | 179.9 | 173.5 | 174.1 | 179.9 | 181.5 | 180.4 |
| Paper products | 2.649 | 204.6 | 212.5 | 217.5 | 217.9 | 214.7 | 222.1 |
| Pulp and paper .......... | 2.108 | 197.8 | 206.9 | 213.7 | 213.9 | 208.6 | 216.2 |

$(1949=100)$

| Industry or industry group | $\begin{gathered} 1949 \\ \text { percentage } \\ \text { weights } \end{gathered}$ |  | Seasonally adjusted |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | 1965 | 1966 |  |  |  |  |
|  |  | Dec. | Jan. | Feb. | Mar. | Apr. | May |
| NON-DURABLE MANUFACTURES Concluded: |  |  |  |  |  |  |  |
| Printing, publishing and allied <br> industries ................... $1.273 \quad 238.0$ 236.8 234.2 243.4 234.2 247.1 |  |  |  |  |  |  |  |
| Products of petroleum and coal | 0.513 | 348.1 | 339.5 | 356.9 | 367.2 | 386.2 | 394.4 |
| Petroleum products | 0.454 | 378.0 | 368.1 | 387.2 | 399.5 | 420.7 |  |
| Chemicals and allied products Acids, alkalies, salts and | 1.359 | 370.5 | 373.0 | 374.8 | 379.8 | 389.2 | 377.9 |
| fertilizers .......... | 0.346 | 534.0 | 516.5 | 506.1 | 503.8 | 532.8 | 537.9 |
| Miscellaneous manufactures | 0.524 | 418.0 | 426.9 | 429.9 | 439.0 | 440.0 | 436.9 |
| durable manufactures | 12.598 | 251.6 | 252.5 | 253.7 | 254.3 | 255.7 | 253.9 |
| Wood products | 2.108 | 196.0 | 186.6 | 184.2 | 188.4 | 191.5 | 191.8 |
| Saw and planing mills | 1.444 | 199.7 | 185.3 | 180.2 | 186.2 | 189.7 | 189.9 |
| Veneers and plywoods | 0.122 | 425.2 | 459.2 | 434.4 | 435.6 | 433.4 | 449.5 |
| Sawnills | 0.994 | 198.4 | 174.3 | 171.4 | 179.5 | 184.7 | 182.8 |
| Purniture | 0.460 | 226.4 | 229.9 | 234.8 | 234.5 | 237.2 | 238.8 |
| Iron and steel products | 4.026 | 250.1 | 257.4 | 258.0 | 256.2 | 257.5 | 253.5 |
| Machinery | 0.851 | 262.0 | 269.1 | 273.0 | 273.0 | 274.4 | 278.8 |
| Iron castings | 0.387 | 262.8 | 259.8 | 233.3 | 188.2 | 212.6 | 215.0 |
| Primary iron and steel. | 0.845 | 324.5 | 335.2 | 341.6 | 349.1 | 342.3 | 325.0 |
| Sheet metal products ........ | 0.359 | 280.1 | 286.4 | 293.2 | 296.1 | 294.3 | 294.0 |
| Transportation equipment | 2.651 | 271.4 | 273.0 | 278.5 | 275.8 | 273.4 | 263.6 |
| Aircraft and parts | 0.203 | 348.7 | 365.4 | 383.7 | 396.8 | 407.8 | 404.3 |
| Motor vehicles | 1.035 | 373.3 | 383.1 | 392.5 | 383.9 | 371.9 | 343.4 |
| Motor vehicle parts | 0.462 | 364.1 | 344.9 | 343.7 | 340.2 | 348.6 | 356.5 |
| Railway rolling stock ....... | 0.621 | 62.9 | 62.7 | 62.9 | 61.6 | 61.8 | 63.9 |
| Shipbullding and repairs .... | 0.261 | 169.3 | 167.1 | 172.2 | 178.9 | 178.9 | 173.7 |
| Non-ferrous metal products .... | 1.601 | 193.0 | 195.8 | 192.5 | 194.5 | 196.2 | 200.0 |
| Brass and copper products ... | 0.241 | 183.2 | 178.5 | 175.6 | 182.6 | 185.5 | 185.7 |
| Smelting and refining ....... | 1.028 | 189.2 | 194.4 | 189.3 | 190.8 | 192.2 | 197.5 |
| Blectrical apparatus and |  |  |  |  |  |  |  |
| Heavy electrical machinery | 0.489 | 255.4 | 260.4 | 266.4 | 265.3 | 266.4 | 273.3 |
| Telecomnunication equipment | 0.142 | 1,006.4 | 814.0 | 839.1 | 871.5 | 965.1 | 964.5 |
| Refrigerators and appliances | 0.227 | 313.3 | 347.5 | 345.1 | 332.2 | 355.7 | 351.8 |
| Non-metallic mineral products | 0.794 | 298.3 | 304.2 | 302.5 | 314.6 | 299.6 | 310.9 |
| Concrete products | 0.098 | 905.3 | 912.2 | 977.0 | 987.4 | 878.0 | 915.6 |
| Hydraulic cement ............. | 0.117 | 306.1 | 323.1 | 323.8 | 389.5 | 337.4 | 313.7 |
| Domestic clay products ...... | 0.083 | 153.9 | 163.4 | 152.9 | 145.6 | 141.5 | 225.4 |
| Electric power and gas utilities | 1.646 | 471.6 | 488.9 | 490.7 | 492.3 | 485.5 | 507.6 |
| Electric power ................. | 1.480 | 429.4 | 452.4 | 449.2 | 455.6 | 448.4 | 465.3 |
| Gas | 0.166 | 847.4 | 813.9 | 860.5 | 819.6 | 816.3 | 885.0 |

$(1949=100)$

| Industry or industry group | Annual averages |  | Without seasonal adjustment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1965 |  |  | 1966 |  |  |
|  | 1964 | 1965 | Mar. | Apr. | May | Mar. | Apr. | May |
| INDEX OF INDUSTRIAL PRODUCTION | 235.3 | 254.9 | 250.7 | 247.8 | 253.6 | 274.0 | 274.7 | 277.8 |
| Muntmg | 346.4 | 365.6 | 351.8 | 344.4 | 354.5 | 378.1 | 386.8 | 399.6 |
| Metals | 245.7 | 249.5 | 236.8 | 236.4 | 258.3 | 244.7 | 257.5 | 276.6 |
| Gold | 85.9 | 80.6 | 79.7 | 87.5 | 79.6 | 75.8 | 78.5 | 79.5 |
| Copper | 187.8 | 195.6 | 185.5 | 189.7 | 212.9 | 191.3 | 178.6 | 203.5 |
| Iron ore | 1,185.3 | 1,236.8 | 921.7 | 1,045.1 | 1,371.9 | 938.5 | 1,142.6 | 1,594.0 |
| Nickel | 181.0 | 209.9 | 219.2 | 221.0 | 215.9 | 223.6 | 216.7 | 193.7 |
| Non-metals | 312.8 | 377.2 | 343.1 | 360.0 | 370.8 | 413.4 | 410.9 | 422.6 |
| Asbestos | 259.9 | 269.4 | 269.4 | 281.3 | 268.6 | 314.9 | 305.8 | 297.1 |
| Fuels | 557.7 | 592.8 | 604.5 | 565.1 | 530.8 | 652.2 | 651.3 | 630.5 |
| Coal | 55.1 | 56.3 | 62.2 | 55.6 | 49.4 | 56.5 | 49.5 | 50.9 |
| Natural gas | 1,382.3 | 1,476.4 | 1,619.1 | 1,476.5 | 1,391.4 | 1,651.9 | 1,614.7 | 1,590.0 |
| Petroleum. | 1,319.2 | 1,405.5 | 1,413.2 | 1,329.2 | 1,252.9 | 1,552.6 | 1,565.9 | 1,507.9 |
| MANUPACTURING, TOTAL | 211.9 | 230.1 | 225.0 | 223.6 | 232.2 | 245.7 | 247.2 | 251.3 |
| NON-DURABLE MANUFACTURES | 211.2 | 224.1 | 215.6 | 214.5 | 223.2 | 236.8 | 237.4 | 241.7 |
| Foods and beverages | 185.6 | 193.1 | 169.6 | 173.4 | 188.0 | 180.2 | 186.9 | 200.9 |
| Foods | 180.6 | 187.4 | 165.3 | 168.2 | 180.8 | 172.4 | 177.1 | 190.0 |
| Meat products | 182.6 | 192.3 | 188.4 | 187.4 | 186.4 | 194.8 | 190.6 | 191.3 |
| Dairy products | 189.6 | 196.0 | 178.2 | 190.4 | 215.0 | 186.2 | 193.1 | 218.0 |
| Canning and processing | 190.0 | 197.2 | 112.7 | 118.8 | 165.7 | 118.1 | 135.0 | 180.8 |
| Grain mill products | 184.1 | 189.3 | 183.2 | 179.6 | 180.7 | 201.2 | 201.9 | 196.2 |
| Bakery products ..... | 151.3 | 151.7 | 144.5 | 144.8 | 149.0 | 146.7 | 147.3 | 151.5 |
| Miscellaneous foods | 190.6 | 201.9 | 185.2 | 188.2 | 191.5 | 192.2 | 200.0 | 207.5 |
| Beverages | 201.3 | 211.0 | 183.4 | 189.5 | 210.8 | 204.7 | 217.7 | 235.3 |
| Carbonated beverages | 181.0 | 186.2 | 143.1 | 155.9 | 199.1 | 155.1 | 190.1 | 229.1 |
| Brewerles | 185.7 | 191.1 | 192.8 | 195.4 | 225.7 | 193.2 | 213.4 | 214.9 |
| Distilleries | 262.1 | 284.8 | 212.7 | 219.8 | 196.1 | 293.8 | 267.1 | 298.1 |
| Tobacco and tobacco products | 232.1 | 243.4 | 243.7 | 236.9 | 255.6 | 272.9 | 258.7 | 263.2 |
| Rubber products | 232.8 | 237.4 | 236.0 | 232.6 | 256.1 | 272.6 | 275.0 | 256.8 |
| Leather products | 137.3 | 135.2 | 147.4 | 138.1 | 130.4 | 149.2 | 141.8 | 136.3 |
| Boots and shoes | 136.9 | 134.3 | 153.2 | 140.7 | 128.8 | 153.7 | 145.2 | 136.9 |
| Textiles | 203.3 | 220.6 | 215.4 | 208.2 | 223.4 | 239.0 | 233.4 | 228.0 |
| Cotton goods | 141.2 | 149.7 | 161.2 | 137.1 | 150.3 | 155.6 | 134.9 | 122.9 |
| Woollen goods | 91.2 | 89.6 | 85.7 | 78.2 | 91.7 | 91.0 | 92.4 |  |
| Synthetic textiles and silk | 338.4 | 391.3 | 367.6 | 369.8 | 401.1 | 444.4 | 444.5 | 432.9 |
| Clothing ....... | 163.4 | 171.2 | 173.8 | 166.4 | 165.0 | 184.0 | 179.9 | 176.8 |
| Paper products | 186.3 | 198.3 | 197.6 | 192.7 | 197.8 | 219.1 | 213.9 | 221.5 |
| Pulp and paper... | 182.0 | 192.8 | 195.7 | 188.4 | 193.7 | 217.1 | 209.0 | 216.2 |

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded
$(1949=100)$

| Industry or industry group | Annual averages |  | Without seasonal adjustment |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | 1965 |  |  | 1966 |  |  |
|  | 1964 | 1965 | Mar. | Apr. | May | Mar. | Apr. | May |
| NON-DURABLE MANUFACTURES Concluded: |  |  |  |  |  |  |  |  |
| Printing, publishing and allied industries | 207.4 | 223.3 | 217.8 | 229.5 | 230.9 | 243.7 | 246.4 | 261.0 |
| Products of petroleum and coal Petroleum products .......... | 330.1 | 345.9 | 336.8 | 308.2 | 328.4 | 362.7 | 353.9 | 367.8 |
|  | 357.9 | 375.5 | 365.1 | 332.7 | 355.2 | 394.3 | 384.1 |  |
| Chemicals and allled products Acids, alkalies, salts and fertilizers ............ | 312.7 | 344.7 | 335.9 | 346.0 | 355.7 | 385.6 | 401.2 | 392.1 |
|  | 416.5 | 469.0 | 463.2 | 469.2 | 477.3 | 531.0 | 560.0 | 560.0 |
| Miscellaneous manufactures | 386.5 | 407.3 | 385.6 | 389.3 | 390.8 | 424.5 | 425.0 | 424.2 |
| DURABLE MANUFACTURES | 212.7 | 237.2 | 236.0 | 234.3 | 242.6 | 256.3 | 258.7 | 262.6 |
| Wood products | 174.3 | 181.7 | 183.7 | 171.1 | 176.9 | 195.2 | 183.9 | 189.6 |
| Saw and planing mills | 180.0 | 182.8 | 189.3 | 169.5 | 177.7 | 198.7 | 181.0 | 187.9 |
| Veneers and plywoods | 397.7 | 403.8 | 420.0 | 412.2 | 375.9 | 466.1 | 455.9 | 436.0 |
|  | 172.8 | 177.1 | 186.8 | 159.9 | 175.7 | 195.5 | 171.8 | 183.9 |
| Furniture | 192.6 | 216.3 | 206.7 | 209.8 | 210.8 | 227.7 | 230.6 | 235.0 |
| Iron and steel products | 215.2 | 239.1 | 230.8 | 234.3 | 243.0 | 253.7 | 257.6 | 261.3 |
| Machinery .... | 213.1 | 248.1 | 233.7 | 238.0 | 240.7 | 267.8 | 271.1 | 276.3 |
| Iron castings | 199.3 | 218.9 | 234.2 | 225.2 | 229.7 | 200.2 | 225.4 | 238.6 |
| Primary iron and stee | 291.2 | 320.0 | 310.6 | 322.0 | 342.7 | 346.3 | 349.1 | 348.1 |
| Sheet metal products | 248.1 | 274.2 | 249.6 | 262.1 | 274.0 | 279.2 | 284.9 | 293.7 |
| Transportation equipment | 210.5 | 250.0 | 277.2 | 271.8 | 280.0 | 302.3 | 306.2 | 297.8 |
| Aircraft and parts .......... | 336.3 | 319.3 | 334.4 | 299.4 | 289.0 | 400.4 | 399.6 | 400.3 |
| Motor vehicles | 274.2 | 347.6 | 417.2 | 406.2 | 427.9 | 445.7 | 450.0 | 422.0 |
| Motor vehicle parts. Railway rolling stock | 262.2 | 317.2 | 312.3 | 314.3 | 320.6 | 353.8 | 362.2 | 374.3 |
|  | 58.9 | 62.6 | 61.7 | 62.9 | 61.7 | 60.9 | 61.4 | 63.0 |
| Shipbuilding and repairs | 148.7 | 161.9 | 163.6 | 170.7 | 168.2 | 179.3 | 185.0 | 182.0 |
| Non-ferrous metal products .... <br> Brass and copper products ... <br> Smelting and refining ...... | 174.2 | 186.9 | 187.9 | 188.3 | 183.7 | 197.6 | 200.4 | 200.1 |
|  | 155.6 | 162.7 | 163.1 | 159.9 | 148.4 | 186.3 | 184.4 | 183.7 |
|  | 176.5 | 188.9 | 194.9 | 195.0 | 189.8 | 196.3 | 200.1 | 198.9 |
| Electrical apparatus and |  |  |  |  |  |  |  |  |
| supplies <br> Heavy electrical machinery <br> Telecommunication equipment <br> Refrigerators and appllances | 279.1 | 319.2 | 307.3 | 305.1 | 310.3 | 334.6 | 348.1 | 349.0 |
|  | 213.0 | 241.6 | 228.8 | 234.3 | 237.7 | 260.8 | 264.0 | 272.2 |
|  | 744.5 | 895.1 | 838.0 | 792.4 | 812.0 | 828.8 | 897.5 | 877.7 |
|  | 274.9 | 301.9 | 316.6 | 309.9 | 323.6 | 341.2 | 368.1 | 362.4 |
| Non-metallic mineral products | 268.2 | 286.9 | 232.9 | 242.7 | 287.9 | 256.1 | 261.6 | 316.4 |
| Concrete products | 814.1 | 858.0 | 612.0 | 692.7 | 895.0 | 710.9 | 727.0 | 961.4 |
| Hydraulic cement | 277.5 | 298.8 | 220.2 | 250.0 | 336.3 | 271.9 | 283.4 | 354.8 |
| Domestic clay products | 138.3 | 142.8 | 119.6 | 136.7 | 146.8 | 123.2 | 137.8 | 241.0 |
| ELECTRIC POWER AND GAS UTILITIES | 405.7 | 448.3 | 478.9 | 459.7 | 411.4 | 537.9 | 510.4 | 478.7 |
| Electric power ................ | 371.5 | 408.8 | 417.6 | 399.7 | 382.9 | 477.5 | 452.9 | 447.6 |
| Gas | 711.0 | 800.6 | 1,025.1 | 994.8 | 665.5 | 1,076.2 | 1,022.8 | 755.8 |

## Real Domestic Product less Agriculcure

## Note to U'sers

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detalled description of concepts and methods used as well as other relevant material, see D.B.S. Occassional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be avallable, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.

COMPARISON OF GOODS, LESS AGRICULTURE WITH THE SERVICE-PRODUCING INDUSTRY GROUP, BY QUARTERS, 1953-66
(SEASONALLY ADJUSTED QUANTITY INDEXES, $1949=100$ )


At an index level of 229.9 (1) for the first quarter of 1966 , seasonally adjusted Real Domestic Product, less agriculture, was 2 per cent higher than in the preceding quarter.

Table(A)shows the percentage increases of the major industry groupings and their contributions, over the past four quarters, to the 37.9 per cent advance in non-agricultural real output from the first quarter, 196l, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output had increased by 10.5 per cent and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table B). The current expansion has been of considerably longer duration than the preceding two, having now lasted for five years. Thus the rate of expansion has been lower than during the 1954-56 upturn. When measured from peak to peak the gain achieved so far during the current cycle was 37.1 per cent, which is almost twice the increase over the 1953-56 cycle. This yields a rate of increase over the cycle as a whole only marginally lower than that for the 1953-56 cycle.

TABLE A

|  | $I Q^{\prime} 61-I I Q^{\prime} 65$ |  | IQ ${ }^{\prime} 61$ | - IIIQ ${ }^{\prime} 65$ | TQ 61 | - IVQ 65 | IQ ${ }^{\prime} 61$ | $=I Q^{\prime} 66$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \% \\ & \end{aligned}$ | Effect on GDP less Agriculture | $\begin{aligned} & \% \\ & \triangle \end{aligned}$ | $\begin{gathered} \text { Effect on } \\ \text { GDP less } \\ \text { Agri- } \\ \text { culture } \\ \hline \end{gathered}$ | $\begin{aligned} & \% \\ & \hline \end{aligned}$ | Effect on GDP less Agriculture | $\begin{aligned} & \% \\ & \hline \end{aligned}$ | ```Effect on GDP less Agri= culture``` |
| Gross domestic product |  |  |  |  |  |  |  |  |
| less agriculture .... | 29.8 | 29.8 | 32.4 | 32.4 | 35.2 | 35.2 | 37.9 | 37.9 |
| Forestry ............. | 35.0 | . 6 | 20.2 | . 4 | 22.0 | . 4 | 30.2 | . 6 |
| Fishing and trapping .. | - 17.5 | -. 1 | - 17.7 | -. 1 | - 12.9 | -. 1 | - 15.6 | -. 1 |
| Mining ................ | 32.0 | 1.9 | 38.4 | 2.3 | 39.2 | 2.3 | 42.3 | 2.5 |
| Manufacturing | 41.5 | 12.2 | 45.3 | 13.3 | 49.3 | 14.5 | 53.0 | 15.6 |
| Non-durable ....... | 31.3 | 5.2 | 34.8 | 5.8 | 37.9 | 6.3 | 41.5 | 6.9 |
| Durable | 54.7 | 7.0 | 58.9 | 7.5 | 64.2 | 8.2 | 67.9 | 8.7 |
| Construction .......... | 31.0 | 2.1 | 33.7 | 2.3 | 38.5 | 2.6 | 42.8 | 2.9 |
| Electric power and gas utilities <br> ............... | 43.3 | 1.5 | 47.3 | 1.6 | 55.5 | 1.9 | 61.1 | 2.0 |
|  | 14.5 | . 1 | 14.9 | . 2 | 15.2 | . 2 | 15.6 | . 2 |
| Transportation, storage and communication ... Transportation | 31.2 | 3.0 | 34.8 | 3.3 | 37.9 | 3.6 | 39.6 | 3.8 |
|  | 33.3 | 2.3 | 37.4 | 2.6 | 40.4 | 2.8 | 42.9 | 3.0 |
| Trade | 26.2 | 4.0 | 28.7 | 4.3 | 31.4 | 4.8 | 33.7 | 5.1 |
| Wholesale ........... | 38.0 | 2.0 | 41.0 | 2.1 | 45.2 | 2.3 | 43.4 | 2.3 |
| Retail................. | 20.0 | 2.0 | 22.3 | 2.2 | 24.3 | 2.4 | 28.6 | 2.8 |
| Finance, insurance and real estate | 22.1 | 2.4 | 23.3 | 2.5 | 23.8 | 2.5 | 26.2 | 2.8 |
| Public administration and defence | 4.1 | . 2 | 4.4 | . 3 | 5.1 | . 3 | 4.1 | . 2 |
| Community, recreation, business and personal service | 19.5 | 2.0 | 20.8 | 2.1 | 22.2 | 2.3 | 23.6 | 2.4 |

Note: The columns may not add to the total due to rounding.

The goods-producing industry group (less agriculture) advanced by 2.7 per cent in the first quarter and accounted for about 70 per cent of the gain in non-agricultural real output. The serviceproducing industry group showed a more moderate increase of 1.3 per cent.

Manufacturing was the largest single contributor to the first quarter gain in non-agricultural real output, accounting for almost 40 per cent of this increase. The next largest contributors wirt trade, construction and the finance, insurance and real estate group, which jointly accounted for

[^0]wother 32 per cent of the gain in real domestic product, less agriculture. Most of the other major i:idustry groupings also showed advances in output from their fourth quarter levels, the exceptions being public administration and defence and fishing and trapping.

Manufacturing advanced by 2.5 per cent in the first quarter, with the non-durable manufacturing component accounting for over one-half of this gain. Within non-durables, which increased by 2.6 per cent, most major groups showed increases in the first quarter, ranging from one per cent in textiles to almost 8 per cent in tobacco products. The 6.6 per cent gain in paper products and the 3 per cent advance in the output of chemicals accounted for about 55 per cent of the first quarter gain in nondurables. Paper products advanced largely as a result of the sharp increase in pulp and paper production. The food products group, rubber products and petroleum products showed increases in excess of 2 per cent. The only two industry groups to show a decline were leather products and clothing, both of which declined by about one per cent.

Within durable manufacturing, which was up by 2.3 per cent, over threequarters of the increase came from iron and steel products and transportation equipment which increased by 3.9 and 2.4 per cent, respectively. Primary iron and steel and the machinery and machine shops group were the largest contributors to the first quarter gain. The 2.7 per cent increase in motor vehicle output and the sharp gain in aircraft and parts production accounted for most of the advance in the output of the transportation equipment group. Non-metallic mineral products increased by 4.6 per cent, because of strong gains in the output of cement and concrete products. Electrical apparatus and supplies and nor-ferrous metal products showed increases of 2.3 and 0.7 per cent in the first quarter, the latter largely as a result of a small increase in smelting and refining. The only major industry group to decline was wood products, down 2 per cent, because of a sharp drop in the output of sawmills.

## COMPARISON OF MANUFACTURING WITH TRADE AND TRANSPORTATION, BY QUARTERS, 1953-66

(SEASONALLY ADJUSTED QUANTITY INDEXES, $1949=100$ )


The next largest contributions to the first quarter gain in non-agricultural real output came from trade, which was up by 1.7 per cent, construction, up by 3.1 per cent, and finance, insurance and real estate which increased by 1.9 per cent. Within trade, the retail component showed a gain of 3.5 per cent, while wholesale trade declined moderately. Department stores, furniture and appliance atores, lumber and building material dealers, farm implement dealers and farm feed stores were among che retail trades to show large gains. Sales of motor vehicle dealers showed little change from the levels achieved in the previous quarter, although sales for the month of March were quite high. Among the components of wholesale trade to show strong gains in the first quarter were farm machinery, construction material and supply dealers, hardware dealers, wholesalers of meat and dafry products and
clothing products. Sales of comercial, institutional and service equipment and industrial and transportation equipment and supplies also increased sharply. These gains, however, were more than offse: by declines in many of the other components of wholesale trade.

First quarter gains among other major industry groupings ranged from about one to about 7 per cent. Transportation, storage and communication showed an increase of 1.3 per cent, with most of the gain coming from the transportation industries. Storage declined by 4 per cent. Within transportation, which advanced by 1.8 per cent, the strong gains in railway and water transport were considerably dampened by the decline in the output of the strike-affected trucking industry. Mining increased by 2.2 per cent in the first quarter, largely as a result of the 3 per cent advance in metal mining. Within metal mining gains were widespread, with zinc, lead and copper production showing the largest gains. Non-metal mining was up by 4.9 per cent. The community, recreation, business and personal services group advanced by 1.2 per cent, with the business service component accounting for most of this gain. Electric power and gas utilities and forestry increased by 3.6 and 6.7 per cent, respectively, the latter largely as a result of strong increases in pulp-wood production.

TABLE B

Per cent changes in major industry groupings
over recent cycles in production

| Peak to peak |  |  | Trough to peak |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 3 Q^{\prime} 53= \\ 4 Q^{\prime} 56 \end{gathered}$ | $\begin{gathered} 4 Q^{\prime} 56- \\ 1 Q^{\prime} 60 \end{gathered}$ | $\begin{aligned} & 1 Q^{\prime} 60- \\ & 1 Q^{\prime} 66(1) \end{aligned}$ | $\begin{gathered} 2 Q^{\prime} 54- \\ 4 Q^{\prime} 56 \end{gathered}$ | $\begin{gathered} 4 Q^{\prime} 57- \\ 1 Q^{\prime} 60 \end{gathered}$ | $\begin{aligned} & 1 Q^{\prime} 61- \\ & 1 Q^{\prime} 66(1) \end{aligned}$ |


| agriculture | 21.4 | 9.0 | 37.1 | 23.1 | 10.5 | 37.9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Forestry | 19.0 | 1.3 | 16.2 | 17.9 | 33.7 | 30.2 |
| Fishing and trapping | 1.8 | - 18.4 | 38.3 | 3.9 | - 7.4 | - 15.6 |
| Mining . . | 55.5 | 24.7 | 34.9 | 48.6 | 16.2 | 42.3 |
| Manufacturing | 20.1 | 6.1 | 48.9 | 24.4 | 12.8 | 53.0 |
| Non-durable | 19.3 | 12.9 | 42.4 | 19.4 | 14.6 | 41.5 |
| Durable | 21.1 | - 1.2 | 56.8 | 30.1 | 10.9 | 67.9 |
| Construction | 27.8 | - 0.9 | 34.7 | 34.0 | -3.9 | 42.8 |
| Electric power and gas utilities ........... | 44.4 | 38.1 | 66.9 | 33.9 | 28.9 | 61.1 |
| Other goods industries, n.e.c. | 9.7 | - 4.1 | 15.5 | 21.2 | 1.5 | 15.6 |
| Transportation, storage and communication $\qquad$ <br> Transportation | 26.4 25.7 | 7.9 4.7 | 42.8 45.4 | 34.6 40.1 | 9.7 9.0 | 39.6 42.9 |
| Trade ......................... | 20.7 | 6.9 | 31.7 | 24.5 | 9.7 | 33.7 |
| Wholesale | 20.8 | 11.0 | 33.5 | 31.9 | 16.8 | 43.4 |
| Retail | 20.6 | 4.7 | 30.7 | 20.8 | 6.1 | 28.6 |
| Finance, insurance and real estate $\qquad$ | 16.9 | 15.5 | 30.6 | 12.0 | 9.6 | 26.2 |
| Public administration and defence $\qquad$ | 10.4 | 9.1 | 8.9 | 7.0 | 5.1 | 4.1 |
| Community, recreation, business and personal service ......... | 12.0 | 12.2 | 26.4 | 10.6 | 11.1 | 23.6 |

(1) At the end of the first quarter of 1966 , production was still expanding.

TABLE 3. Indexes of Real Domestic Product, less Agriculture $1949=100$


TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued $1949=100$

|  | Manufacturing |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Non-durable manufacturing |  |  |  |  |  |  |  |
|  | Foods and beverages | Tobacco and tobacco products | Rubber products | Leather products | Textiles | Clothing | Paper products | Printing, publishing and allied industries |
| 1949 Weights | 3.814 | $0.248 \quad 0.430$ |  | 0.508 | 1.623 | 1.801 | 2.649 | 1.273 |
|  | Seasonally adjusted |  |  |  |  |  |  |  |
| 1963-1 $\begin{array}{r}1 \\ 3 \\ 4\end{array}$ | $\begin{aligned} & 169.8 \\ & 171.3 \\ & 172.7 \\ & 175.6 \end{aligned}$ | 232.7 | 205.2 | 131.9 | 177.0 | 146.1 | 163.0 | 190.7 |
|  |  | 228.5 | 206.1 | 131.4 | 182.8 | 149.5 | 168.7 | 193.0 |
|  |  | 218.1 | 206.3 | 130.2 | 187.6 | 151.4 | 172.0 | 198.7 |
|  |  | 221.5 | 212.3 | 134.4 | 196.4 | 154.3 | 176.4 | 198.7 |
| 1964-1 $\begin{array}{r}1 \\ 2 \\ 3 \\ 4\end{array}$ | $\begin{aligned} & 182.3 \\ & 184.2 \\ & 184.7 \\ & 190.9 \end{aligned}$ | $\begin{aligned} & 214.0 \\ & 230.2 \\ & 240.2 \\ & 241.1 \end{aligned}$ | 225.7 | 135.3 |  | 159.9 | 182.2 |  |
|  |  |  | 234.6229.0 | 138.3138.7 | 204.3205.0 | 163.0164.3 | 184.1187.4 | $\begin{aligned} & 214.1 \\ & 201.7 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{aligned} & 229.0 \\ & 235.3 \end{aligned}$ | $\begin{aligned} & 138.7 \\ & 137.1 \end{aligned}$ | $\begin{aligned} & 205.0 \\ & 206.4 \end{aligned}$ | $\begin{aligned} & 164.3 \\ & 166.8 \end{aligned}$ | $\begin{aligned} & 187.4 \\ & 192.0 \end{aligned}$ | $209.8$ |
| 1965-1. | $\begin{aligned} & 192.4 \\ & 189.6 \\ & 195.2 \\ & 197.6 \end{aligned}$ | $\begin{aligned} & 241.3 \\ & 240.8 \\ & 238.9 \\ & 248.1 \end{aligned}$ | $\begin{aligned} & 230.2 \\ & 227.4 \\ & 234.9 \\ & 253.3 \end{aligned}$ | $\begin{aligned} & 135.5 \\ & 132.9 \\ & 134.9 \\ & 137.5 \end{aligned}$ | $\begin{aligned} & 211.1 \\ & 213.5 \\ & 228.3 \\ & 229.3 \end{aligned}$ | $\begin{aligned} & 167.0 \\ & 168.9 \\ & 172.1 \\ & 177.2 \end{aligned}$ | $\begin{aligned} & 194.5 \\ & 196.1 \\ & 199.9 \\ & 202.7 \end{aligned}$ | $\begin{aligned} & 216.8 \\ & 219.2 \\ & 223.4 \\ & 233.9 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1966 - | 201.2 | 267.8 | 263.0 | 136.0 | 232.0 | 175.4 | 216.0 | 237.9 |
|  | Without seasonal adjustment |  |  |  |  |  |  |  |
| 1963 <br> 1964 <br> $\ldots \ldots \ldots .$. <br> 1965 <br> 1966$\ldots \ldots .$. | $\begin{aligned} & 172.2 \\ & 185.6 \\ & 193.1 \end{aligned}$ | $\begin{aligned} & 225.3 \\ & 232.1 \\ & 243.4 \end{aligned}$ | $\begin{aligned} & 207.4 \\ & 232.8 \\ & 237.4 \end{aligned}$ | $\begin{aligned} & 132.1 \\ & 137.3 \\ & 135.2 \end{aligned}$ | $\begin{aligned} & 186.0 \\ & 203.3 \\ & 220.6 \end{aligned}$ | $\begin{aligned} & 150.3 \\ & 163.4 \\ & 171.2 \end{aligned}$ | $\begin{aligned} & 170.1 \\ & 186.3 \\ & 198.3 \end{aligned}$ | $\begin{aligned} & 195.2 \\ & 207.4 \\ & 223.3 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1963-1.. | $\begin{aligned} & 145.6 \\ & 170.9 \\ & 191.9 \\ & 180.2 \end{aligned}$ | $\begin{aligned} & 231.2 \\ & 243.5 \\ & 204.9 \\ & 221.7 \end{aligned}$ | $\begin{aligned} & 209.5 \\ & 218.6 \\ & 183.6 \\ & 217.9 \end{aligned}$ | $\begin{aligned} & 141.1 \\ & 132.5 \\ & 121.4 \\ & 133.5 \end{aligned}$ | 181.3 | 150.6 | 158.3 | $\begin{aligned} & 187.8 \\ & 197.9 \end{aligned}$ |
| 2. |  |  |  |  | 187.9 | 146.8 | 170.2 |  |
| $3 .$. |  |  |  |  | 173.9 | 155.2 | 173.0 | $191.5$ |
| $4 \ldots$ |  |  |  |  |  |  |  | $203.8$ |
| 1964-1... | $\begin{aligned} & 158.5 \\ & 183.3 \\ & 205.0 \\ & 195.6 \end{aligned}$ | $\begin{aligned} & 212.1 \\ & 245.7 \\ & 228.9 \\ & 241.7 \end{aligned}$ | $\begin{aligned} & 235.0 \\ & 250.9 \\ & 203.1 \\ & 242.2 \end{aligned}$ | $\begin{aligned} & 144.7 \\ & 139.1 \\ & 128.8 \\ & 136.6 \end{aligned}$ | 201.8 | 164.7 | 176.8 | 198.8 |
| $2 \ldots$ |  |  |  |  | 210.1 | 160.2 | 185.2 | 221.4 |
| $3 \ldots$ |  |  |  |  | 189.6 | 167.7161.0 | 188.2 | 194.4 |
| $4 \ldots$ |  |  |  |  | 211.5 |  | 194.9 |  |
| $\begin{array}{rl}1965-1 & 1 \\ 2 & \ldots \\ 3 & \ldots \\ 4 & \ldots\end{array}$ | $\begin{aligned} & 166.5 \\ & 188.1 \\ & 214.8 \\ & 203.0 \end{aligned}$ | $\begin{aligned} & 239.3 \\ & 257.3 \\ & 228.2 \\ & 248.9 \end{aligned}$ | $\begin{aligned} & 238.9 \\ & 243.0 \\ & 206.3 \\ & 261.4 \end{aligned}$ | $\begin{aligned} & 144.5 \\ & 133.4 \\ & 126.0 \\ & 137.0 \end{aligned}$ | $\begin{aligned} & 216.1 \\ & 220.1 \\ & 211.4 \\ & 234.9 \end{aligned}$ | $\begin{aligned} & 171.9 \\ & 165.9 \\ & 175.2 \\ & 171.9 \end{aligned}$ | $\begin{aligned} & 189.7 \\ & 196.8 \\ & 200.6 \\ & 206.2 \end{aligned}$ | $\begin{aligned} & 212.3 \\ & 227.6 \\ & 213.7 \\ & 239.7 \end{aligned}$ |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| $\begin{aligned} 1966-1 & \ldots \\ 2 & \ldots \\ 3 & \cdots \\ 4 & \cdots\end{aligned}$ | 176.0 | 267.8 | 270.4 | 145.0 | 239.0 | 180.3 | 210.1 | 233.2 |

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued $1949=100$


TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued $1949=100$


TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded $1949=100$

|  | Trade | Finance, insurance and real estate | Public administration and defence |  | Special Industry Indexes |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Retail |  |  |  | Goods <br> less agriculture | Service-producing industries(2) | ```Commercial indus- tries, less agri- culture``` | Non-commercial industries (3) | Index of Industrial - Production |
| 1949 Weight | 9.567 | 9.127 | 4.666 | 10.202 | 42.366 | 46.920 | 81.015 | 8.271 | 32.231 |
|  | Seasonally adjusted |  |  |  |  |  |  |  |  |
| $1963-1$234 | 165.4 | 190.1 | 186.6 | 162.7 | 197.4 | 177.6 | 186.9 | 187.5 | 208.5 |
|  | 166.7 | 192.9 | 187.7 | 164.4 | 201.0 | 178.6 | 189.2 | 189.4 | 213.2 |
|  | 168.2 | 195.9 | 189.2 | 165.6 | 203.0 | 180.1 | 191.0 | 191.2 | 216.2 |
|  | 173.3 | 198.9 | 189.2 | 167.0 | 210.7 | 184.7 | 197.5 | 192.3 | 223.4 |
| 1964-1 $\begin{array}{r}1 \\ 2 \\ 3 \\ 4\end{array}$ | 176.7 | 200.6 | 190.3 | 168.4 | 218.8 | 188.3 | 203.7 | 193.9 | 230.8 |
|  | 174.8 | 201.6 | 190.0 | 170.2 | 219.0 | 188.8 | 204.0 | 194.9 | 234.4 |
|  | 177.8 | 203.7 | 189.3 | 171.9 | 222.0 | 190.4 | 206.4 | 195.5 | 237.0 |
|  | 179.2 | 206.4 | 189.5 | 173.3 | 226.3 | 192.4 | 209.7 | 196.1 | 240.0 |
| $1965-1$234 | 180.6 | 208.1 | 190.4 | 175.0 | 233.2 | 195.5 | 215.0 | 197.1 | 247.5 |
|  | 186.0 | 211.4 | 189.9 | 178.0 | 236.0 | 198.7 | 218.3 | 197.7 | 250.2 |
|  | 189.6 | 213.4 | 190.6 | 180.0 | 241.4 | 201.9 | 222.9 | 199.1 | 257.8 |
|  | 192.6 | 214.3 | 191.8 | 182. 1 | 248.1 | 204.9 | 227.9 | 200.5 | 264.7 |
| $\begin{array}{rll} 1966- & 1 & \cdots \\ & 2 & \cdots \\ 3 & \cdots \\ & \cdots & \cdots \end{array}$ | 199.3 | 218.4 | 189.9 | 184.2 | 254.7 | 207.5 | 232.9 | 200.9 | 271.5 |
|  | Without seasonal adjustment |  |  |  |  |  |  |  |  |
| $1963 \ldots$ | 168.8 | 194.5 | 188.1 | 165.0 |  |  |  |  |  |
| 1964 | 176.8 | 203.0 | 189.8 | 171.0 | 221.4 | 189.9 | 205.8 | 195.1 | $235.3$ |
| $1965$ | 187.5 | 211.9 | 190.7 | 178.8 | 238.8 | 200.5 | 220.7 | 198.6 | 254.9 |
| 1963-1 | 143.6 | 186.5 | 181.0 | 158.3 | 184.6 | 167.6 | 175.0 | 182.8 | 206.5 |
|  | 171.4 | 194.4 | 188.0 | 164.4 | 203.5 | 181.8 | 192.5 | 188.3 | 216.6 |
|  | 164.5 | 199.3 | 196.0 | 170.0 | 208.7 | 182.9 | 195.3 | 193.9 | 212.5 |
|  | 195.6 | 197.7 | 187.5 | 167.1 | 214.9 | 189.1 | 202.6 | 189.7 | 225.8 |
| 1964-1 $\begin{array}{r}1 \\ 2 \\ 3 \\ 4\end{array}$ | 153.1 | 196.9 | 183.8 | 164.1 | 205.3 | 178.2 | 191.2 |  |  |
|  | 179.1 | 202.8 | $190.3$ | 170.3 | $221.9$ | $191.8$ | $207.2$ | $195.2$ | 238.2 |
|  | 172.5 | 206.9 | 197.1 | 176.3 | 226.7 | 192.5 | $209.6$ | 200.2 | 231.3 |
|  | 202.5 | 205.2 | 187.9 | 173.5 | 231.5 | 197.1 | 215.3 | 195.1 | 243.0 |
| 1965-1 $\begin{array}{r}1 \\ 2 \\ 3 \\ 4\end{array}$ | 157.2 | 204.4 | 183.7 | 170.5 | 220.2 | 185.7 | 203.0 | 192.9 | 245.9 |
|  | 190.6 | 212.5 | 190.6 | 178.1 | 237.2 | 202.3 | 221.0 | 198.3 | 254.0 |
|  | 183.8 | 216.7 | 198.6 | 184.5 | 244.0 | 203.7 | 224.8 | 204.0 | 250.7 |
|  | 218.2 | 214.0 | 189.8 | 182.1 | 253.7 | 210.1 | 234.0 | 199.2 | 268.9 |
| $\begin{aligned} 1966-1 & \ldots \ldots \\ 2 & \ldots \ldots \end{aligned}$ | 172.8 | 214.5 | 183.6 | 179.3 | 241.8 | 196.6 | 220.2 | 196.8 | 270.1 |

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; commuity, recreation, business and personal service.
(3) Includes public administration and defence; hospitals; education; welfare, religion and other commuity service, n.e.c. and domestic service.

Least Squares of Logarithms Growth Rates, 1946-65

|  | Annual growth rate \% |  | Annual growth rate \% |
| :---: | :---: | :---: | :---: |
| Index of Industrial Production | 5.61 | Durable manufactures - Concluded |  |
|  |  | Iron and steel products | 4.77 |
| Mining | 9.10 | Machinery | 4.42 |
| Metals | 7.17 | Iron castings | 4.35 |
| Gold | N.A. | Primary iron and steel | 6.79 |
| Copper | 4.98 | Sheet metal products | 5.92 |
| Iron ore | N.A. | Transportation equipment | 4.10 |
| Nickel | 4.58 | Aircraft and parts ... | 7.42 |
| Non-metals | 5.97 | Motor vehicles | 6.21 |
| Asbestos | 4.66 | Motor vehicle parts | 5.36 |
| Fuels | 12.60 | Railway rolling stock | - 3.26 |
| Coal | - 3.98 | Shipbuilding and repairs. | 0.32 |
| Natural gas | 17.88 | Non-ferrous metal products ............ | 3.83 |
| Petroleum. | 21.37 | Brass and copper products .......... | 2.27 |
|  |  | Smelting and refining ............... | 4.15 |
|  |  | Electrical apparatus and supplies ..... | 7.02 |
| Manufacturing | 4.78 | Heavy electrical machinery | 4.92 |
|  |  | Telecommunication equipment | 13.11 |
|  |  | Refrigerators and appliances | 8.89 |
| Non-durable manufactures | 4.82 | Non-metallic mineral products | 6.91 |
| Foods and beverages | 3.88 | Concrete products ... | 15.76 |
| Foods. | 3.55 | Hydraulic cement .................... | 7.80 |
| Meat productsDairy products | 3.06 | Domestic clay products | 2.38 |
|  | 4.64 |  |  |
| Canning and processing | 3.54 | Electric power and gas utilities | 9.58 |
| Grain mill products .. | 2.83 | Electric power | 9.04 |
|  | 2.49 | Gas utilities | 13.15 |
| Bakery products ... Miscellaneous foods | 4.61 |  |  |
| Beverages | 4.95 | Agriculture | 1.54 |
| Carbonated beverages | 5.62 |  |  |
| Breweries | 4.35 | Forestry | 1.68 |
| Distilleries | 5.64 |  |  |
| Tobacco and tobacco products | 6.11 | Fishing and trapping | 1.75 |
| Rubber products | 4.22 |  |  |
| Leather products | 1.63 | Construction | 5.10 |
| Boots and shoes | 1.97 |  |  |
| Textiles | 4.22 | Transportation, storage and communication | 4.64 |
| cotton goods | 1.71 | Transportation | 4.06 |
| Wool goods. | - 1.14 | Storage .................................. | 5.66 |
| Synthetic textiles and | 8.19 | Trade ... | 4.05 |
| Clothing | 2.98 | Wholesale | 4.44 |
| Paper products. | 4.12 | Retail | 3.84 |
| Pulp and paper | 3.95 |  |  |
| Printing and publishing and allied |  | Finance, insurance and real estate..... | 4.96 |
| Products of petroleum and coal | 8.60 | Public administration and defence | 3.96 |
| Petroleum products . ........ | 9.22 |  |  |
| Chemicals and allied products | 7.64 | Community, recreation, business and |  |
| Acids, alkalies, salts and fertilizers | 9.81 | personal service | 3.64 |
| Miscellaneous manufactures | 9.07 | Goods | 4.56 |
|  |  | Goods less agriculture | 5.25 |
| Durable manufactures | 4.73 |  |  |
| Wood products | 3.42 | Service-producing industries | 4.24 |
| Saw and planing mills | 3.55 |  |  |
|  | 8.40 | Real Domestic Product, less agriculture | 4.73 |
| Veneers and plywoods Saw mills ........ | 3.08 |  |  |
| Furniture | 4.32 | Real Domestic Product | 4.41 |


[^0]:    (1) See special note on page 2.

