

Manufactures

P 1-10. Manufactures summary, 1849-1954.

Source: *U.S. Census of Manufactures: 1954*, vol. II, part 1, p. 3.

The basic source of comprehensive data on manufactures has been the *Census of Manufactures* conducted by the Bureau of the Census. The first *Census of Manufactures* covered 1809. A census was taken at 10-year intervals thereafter to 1899 (with the exception of 1829), at 5-year intervals for 1904-1919, and biennially for 1921-1939. The census was suspended during World War II, but was resumed for 1947. Legislation enacted in 1948 provided for a *Census of Manufactures* every 5 years, with annual sample surveys authorized for interim years. The 1954 Census was the first to be taken as a result of this legislation. Annual Surveys of Manufactures were taken for 1949-1953 and 1955-1957.

The reporting units in each census have been establishments (series P 1) rather than legal entities or companies. Conceptually, an establishment is a geographically isolated manufacturing unit maintaining independent bookkeeping records, regardless of its managerial or financial affiliations. An establishment may be a single plant, a group of closely located plants operated as a unit, or a group of closely located plants operated by a single company without separate records for each. The establishment is also the basic unit of industrial classification, being assigned to an industry on the basis of its reported product of chief value.

There have been changes in scope from one *Census of Manufactures* to another. For "factories and hand and neighborhood industries," data for 1849-1899 are for all establishments with products valued at \$500 or more. For "factories, excluding hand and neighborhood industries," data for 1899-1919 are for establishments reporting value of shipments of \$500 or more; for 1921-1939, for establishments reporting value of shipments of \$5,000 or more, while data for 1947 and 1954 are for establishments employing one or more persons at any time during the census year. These changes in the minimum size limit have not appreciably affected the historical comparability of the census figures except for data on number of establishments.

There have also been a number of changes in the definition of manufacturing industries. Among the more important were changes in the treatment of "railroad repair shops" and "manufactured gas." These industries are included in the figures for 1899-1933, but excluded for 1935-1954. When the change results in the omission of an entire industry for which separate tabulations are available during each census, the adjustments are usually carried back through the previous censuses.

Employee figures (series P 3-4) for 1939-1954 exclude personnel reported by manufacturing establishments as in distribution and in construction work (the 1939 and subsequent censuses required separate reporting for such employees). Therefore, the employee figures for earlier years probably are not strictly comparable with those for 1939-1954. It is not known how many of the wage earners and the salaried employees reported in previous censuses were engaged in distribution and construction, and how many were engaged in manufacturing. The figures for "nonproduction employees" are derived by subtracting the figures for "production and

related workers" from those for "all employees." The category, "all employees," comprises all full-time and part-time employees on the payrolls of operating establishments who worked or received pay for any part of the pay period ended nearest the 15th of the month or months specified on the report form. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are, however, excluded from the total. In recent censuses, employment at separate administrative offices and auxiliary units is excluded from this category.

There has not been a consistent treatment of employees in central administrative offices. The latter is defined as offices which operate one or more manufacturing plants located in a city or cities other than that in which the administrative office is located. For the Censuses of 1909-1923, data on employees in such offices were collected on a separate "administrative schedule" and were tabulated and included with those for salaried employees (and, therefore, with all employees) of the manufacturing plants. Thereafter, these data were collected and tabulated only for the Censuses of 1925, 1929, 1937, and 1954. For the 1947 Census, the data were collected but not tabulated. The figures for nonproduction employees (series P 3) for 1925 and 1929 include employees in central administrative offices. To make the 1937 figure for nonproduction employees more comparable to the figures for 1929 and earlier years (except 1927), 130,854 employees in central administrative offices should be added to the 1937 figure (*1937 Census of Manufactures*, p. 1652), and to make the 1954 figure more comparable to the figures for 1929 and earlier years (except 1927), 474,256 employees in administrative and auxiliary units should be added to the 1954 figure (*U.S. Census of Manufactures: 1954*, vol. II, part 1, p. 2).

Production and related workers (series P 4) are defined as workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial, watchman services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Supervisory employees above the working foreman level are excluded from this category.

Decennial estimates of wage earners (production and related workers) excluding hand and neighborhood industries have been prepared for 1869-1899 by John W. Kendrick and Maude Pech for the National Bureau of Economic Research. The following is the estimated number of wage earners for each of these years: 1869, 1,803,000; 1879, 2,454,000; 1889, 3,562,000; 1899, 4,496,000. This estimate for 1899 differs from the official Census Bureau estimate (series P 4) by only one-tenth of one percent. For details of estimating procedure, see John W. Kendrick, *Productivity Trends in the United States*, National Bureau of Economic Research, New York, appendix D (forthcoming).

Figures for "value added by manufacture" (series P 8) are obtained by subtracting the cost of materials, supplies, containers, fuel, purchased electric energy, and contract work, from the value of shipments of manufacturing establishments. This procedure avoids the duplication in the "value of

shipments" figures which result from the use of products of some establishments as materials by others. The "value added by manufacture" concept should not be confused with "national income originating in manufacturing," as presented in the national income estimates compiled by the Office of Business Economics. The latter is obtained by subtracting from the value of shipments not only the cost of materials, but also such other costs as depreciation charges, State and local taxes (other than corporate income taxes), allowance for bad debts, and purchases of services from nonmanufacturing enterprises such as services of engineering and management consultants, advertising, telephone and telegraph expense, insurance, royalties, patent fees, etc. It is, therefore, a more "net" concept of value added than that used in the *Census of Manufactures*. Value added by manufacture in 1954, for example, exceeded national income originating in manufacturing, as estimated by the Office of Business Economics, by 30 percent.

Robert E. Gallman has prepared estimates of value added for the census years 1839 to 1879 by adjusting manufacturing totals to exclude nonmanufacturing industries and by correcting for industries omitted from or poorly covered by the various censuses. These estimates are extrapolations based on data prepared by Richard A. Easterlin and published in "Estimates of Manufacturing Activity," *Population Redistribution and Economic Growth, United States, 1870-1950*, vol. I, by Everett S. Lee, Ann Ratner, Carol P. Brainerd, and Richard A. Easterlin, American Philosophical Society, Philadelphia, 1957, pp. 635-681. The following are Gallman's estimates:

Table I. Value Added by Manufacturing
[In millions of dollars]

Year	Current prices	Prices of 1879
1899.....	5,044	6,252
1889.....	3,727	4,156
1879.....	1,962	1,962
1869.....	1,631	1,078
1859.....	815	859
1849.....	447	488
1839.....	240	190

Source: Robert E. Gallman, "Commodity Output in the United States, 1839-1899," *Studies in Income and Wealth*, National Bureau of Economic Research, New York, vol. 24, table A 13 (forthcoming).

P 11. FRB index of manufacturing production, 1919-1957.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, April 1958, p. 476.

In the 1953 revision of this index, annual indexes of physical production based on about 1,400 separate product and industry series were constructed beginning with 1947. About 62 percent of the index is based on figures relating to quantities produced or shipped; figures on quantities of materials consumed by, delivered to, or produced mainly for certain industries account for about 12 percent. The remaining 26 percent is represented by estimates based on several types of data, including deflated value figures and man-hour figures with adjustments for estimated changes in output per man-hour. Man-hour figures account for only 4 percent. For weights and data used and description of method, see *Federal Reserve Bulletin*, December 1953, pp. 1239-1291. This series is extended back from 1947 to 1919 on the basis of the Federal Reserve Board series used prior to 1953 (1935-39=100) after taking account of new levels established for 1947 relative to 1939 by the Census-Federal Reserve study of manufactures published in 1952 (see *Census of Manufactures: 1947, Indexes of Production*). These adjustments were relatively small, indicating that the 1947 levels of the old monthly and annual indexes for these aggregates were fairly accurate.

P 12. NBER index of manufacturing production, 1899-1919.

Source: Bureau of the Census, records.

These data were prepared by extending and shifting the production indexes originally prepared from Census of Manufactures data by Solomon Fabricant, National Bureau of Economic Research. The original data were first presented in Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937*, National Bureau of Economic Research, New York, 1940. These indexes cover only those years for which a Census of Manufactures was taken. Because of the inadequacy of data for most groups, no attempt was made to interpolate between intercensal years. For details of method of construction, see Fabricant's book, chap. 2 and appendix A.

P 13. Frickey index of manufacturing production, 1860-1914.

Source: Edwin Frickey, *Production in the United States, 1860-1914*, Harvard Economic Studies, Harvard University Press, 1947, p. 54.

In the derivation of these indexes, Frickey employed the weighted arithmetic mean of quantity relatives. With respect to weighting, he took the value-added principle as his standard and conformed to this standard as nearly as possible with existing data. For details on constituent series, see the source, appendixes A and B.

Making use of the figures for series P 11-13 and other data, John W. Kendrick has constructed an index of manufacturing, with 1929 as the base, for benchmark years 1869, 1879, and 1889, and annually thereafter through 1953. See appendix table D-II for figures and appendix D for description of this index in Kendrick's *Productivity Trends in the United States*, National Bureau of Economic Research, New York (forthcoming).

P 14-16. Capital in manufacturing industries, in book value (NBER), 1879-1953.

Source: Daniel Creamer, Sergei Dobrovolsky, and Israel Borenstein, *Capital in Manufacturing and Mining: Its Formation and Financing*, Princeton University Press (forthcoming), appendix A, tables 8 and 9.

Estimates for 1879-1919 are based on data in various reports of the Census of Manufactures. For 1929-1953, the estimates are based on balance sheet data of corporations (raised to the level of all firms) published by the Internal Revenue Service (formerly Bureau of Internal Revenue) in *Statistics of Income*. Fixed capital includes land, buildings, and equipment (all net of depreciation). Working capital includes all other assets, other than investments in securities (chiefly cash, accounts and notes receivable, and inventories). Structures and equipment owned by the Federal Government but operated by private firms are excluded in all years. For a detailed description of data, adjustments and limitations, see appendix A, section A, of source.

P 17-19. Capital in manufacturing industries, in 1929 dollars (NBER), 1879-1953.

Source: See source for series P 14-16.

Figures were derived by dividing the estimates of capital in book values (series P 15-17) by price indexes of book values expressed in 1929 prices. The latter are the implicit indexes derived by dividing the sum of the reported book values of the 15 major groups comprising all manufactures by the sum of the book values expressed in 1929 prices of the 15 major groups. For derivation of the deflators for each of the 15 major groups, see text for series P 30-133.

P 20-23. Real net value of assets in manufacturing, in 1947 dollars (Department of Commerce), 1928-1955.

Source: Office of Business Economics, *Survey of Current Business*, "Manufacturing Investment Since 1929," November 1956, p. 14.

Estimates are for privately owned structures and equipment assets in manufacturing establishments, and represent the undepreciated value remaining in past acquisitions. The latter were derived from the estimates of gross private domestic investment in newly constructed industrial buildings and producers' durable equipment that are included in the gross national product estimates of the Department of Commerce. The outlays on structures were adjusted to benchmarks, based mainly on expenditures for new plant construction by establishments included in the Census of Manufactures, and were supplemented by data on business purchases of Government surplus plant. The manufacturing purchases of equipment resulted from applying an allocation percentage to the total business purchases of each type of producers' durable equipment. The expenditures on equipment reported in the Bureau of the Census 1951 Annual Survey of Manufactures were used as a benchmark for these equipment purchases estimates. Purchases of structures and of equipment were converted to constant (1947) cost by the indexes used to deflate the corresponding components of the gross national product.

Depreciation at constant cost has been estimated by applying information on the length of useful lives to the constant dollar purchases of structures and equipment. Depreciation was allocated over the useful life by the straight-line method, which allots an equal amount of depreciation to each year. Net assets at constant cost were derived by adding up past purchases, and deducting the accumulated depreciation of these purchases. The useful life information was drawn largely from *Income Tax, Depreciation and Obsolescence, Estimated Useful Lives, and Depreciation Rates*, Bulletin F, Internal Revenue Service.

For additional information, see the source.

P 24-29. Capital expenditure for structures and equipment, 1915-1955.

Source: 1915-1929, see Lowell J. Chawner, "Capital Expenditures for Manufacturing Plant and Equipment—1915 to 1940," Office of Business Economics, *Survey of Current Business*, March 1941, pp. 10-11; 1929-1955, see source for series P 20-23, p. 9.

For 1929-1955, private purchases of structures and equipment for manufacturing establishments were derived from the estimates of gross private domestic investment in newly constructed industrial buildings and producers' durable equipment that are included in the gross national product estimates of the Department of Commerce. The outlays on structures were adjusted to benchmarks, based mainly on expenditures for new plant construction by establishments included in the Census of Manufactures, and were supplemented by data on business purchases of Government surplus plants. The manufacturing purchases of equipment resulted from applying an allocation percentage to the total business purchases of each type of producers' durable equipment. The expenditures on equipment reported in the Bureau of the Census 1951 Annual Survey of Manufactures were used as a benchmark for the equipment purchases estimates.

For 1915-1929, the plant expenditures (series P 25) refer to buildings (including heating, plumbing, and similar accessory equipment), and other fixed structures such as vats, blast furnaces, and docks. The estimates of factory building construction are based primarily on F. W. Dodge Corporation contract awards adjusted upward on the basis of information

from other sources to take care of underenumeration and regions not covered by the Dodge reports. Estimates of plant construction other than buildings were derived by allocating to manufacturing capital a portion of the value of the products included as reported by the Bureau of the Census. The absolute magnitude of this series depends in an important degree upon allowances for markup and for installation and transportation costs, and allowances for underreporting.

The equipment expenditures (series P 26) refer to movable equipment, and are based on Census of Manufactures data. For 1915-1922, allowance was made for underreporting. Those items not used entirely in manufacturing were allocated on the basis of data from trade associations and specialists in the various machinery industries. For 1923-1955, intercensal year interpolations were made on the basis of a Bureau of Labor Statistics index of payrolls of industrial machinery manufacturers. For the intercensal years between 1914 and 1919, estimates were made by using annual reports from five States. The series was then adjusted for imports and exports, inventory changes, for the differences between factory costs and cost to the industrial purchaser, and census under enumeration.

For 1929-1955, purchases of structures and of equipment were converted to constant (1947) cost by the indexes used to deflate the corresponding components of the gross national product. For 1915-1928, current year estimates were adjusted for price changes using appropriate indexes of actual costs of "shop machinery," "shops and engine houses," and similar items compiled by the Bureau of Valuation, Interstate Commerce Commission.

P 30-133. Total capital in major branches of manufactures, in book value and in 1929 dollars, 1879-1948.

Source: See source for series P 14-16, appendix A, table 8.

For the definition of total capital in book values, see text for series P 14-16.

The general procedure for deflating capital is to derive a composite index of prices underlying book values of buildings, machinery and equipment, and working capital for each of 15 major industrial groups. A construction cost index weighted by volume of construction depreciated over 50 years is used to represent the changes in the book value of land and buildings. This component of the composite index is identical for all 15 groups. For machinery and equipment, a price index of general machinery and equipment is used for all 15 groups, but in each group the index is weighted by volume of machinery and equipment produced, depreciated according to length of life typical for a given industry as reported by the Internal Revenue Service in *Income Tax, Depreciation and Obsolescence, Estimated Useful Lives, and Depreciation Rates*, Bulletin F (rev. January 1942). Because of these changing industry weights, a different deflator for machinery and equipment is obtained for each major group. The wholesale price index of the output of a given major industry is used to deflate working capital.

These 3 component indexes for each major group were combined into a composite price index for deflating total capital by computing the weighted harmonic mean of the 3 indexes. The weights used for 1879-1937, inclusive, were the average relative importance of the components in 1889, 1899, and 1904, as shown by Census Bureau data. Limited evidence indicates that there was little change in the relative importance of these 3 asset components from 1879 to 1937. By 1948, there were significant changes in their relative importance and new weights were used, based on balance-sheet data reported in Internal Revenue Service, *Statistics of Income*, 1948 and 1953 issues, part 2. The composite index for the major group was also

applied to the total capital of minor industries within the group. For a full derivation of these price indexes, see source, appendix A, section B1.

P 134-137. Legal form of ownership of manufacturing establishments, 1899-1954.

Source: 1899, *Census of Manufactures: 1905*, part I, p. liv; 1904 and 1909, Thirteenth Census of the United States, 1910, *Manufactures: 1909*, vol. VIII, p. 135; 1914 and 1919, Fourteenth Census of the United States, 1920, *Manufactures: 1919*, vol. VIII, p. 108; 1929, Fifteenth Census of the United States, 1930, *Manufactures: 1929*, vol. I, p. 95; 1939, Sixteenth Census of the United States, 1940, *Manufactures: 1939*, vol. I, p. 229; 1947, *Census of Manufactures, 1947*, vol. I, p. 149; 1954, *U. S. Census of Manufactures: 1954*, vol. I, Bulletin MC-204-1, chapter IV (processed).

Percentages were computed from figures published in the various Bureau of the Census reports cited as sources.

P 138-146. Wage earners, by sex, 1869-1919.

Source: 1869-1899, Twelfth Census of the United States, 1900, Census Reports, vol. VII, *Manufactures*, part I, p. cxxvi; 1899-1904, Special Reports of the Census Office, *Manufactures, 1905*, part 1, p. lxxi; 1909-1919, Fourteenth Census of the United States, 1920, *Manufactures, 1919*, vol. VIII, p. 20.

P 147-168. Indexes of manufacturing production, by industry group, 1947-1957.

Source: Board of Governors of the Federal Reserve System, *Federal Reserve Bulletin*, December 1953 and later issues.

As the text for series P 11 indicates, this series is the successor series to the indexes based on 1935-39=100.

P 169-186. Indexes of manufacturing production, by industry group, 1899-1954.

Source: Bureau of the Census, records.

See text for series P 12.

For a listing of changes in industry classifications as of 1947, see *Census of Manufactures, 1947, Indexes of Production*, footnote to table 1, p. 1. For an annual index of durable and nondurable production (1899 = 100) for 1860-1914, see text for series P 13.

P 187. Wheat flour produced, 1860-1956.

Source: 1860-1914, see source for series P 13, pp. 8-9 and 135-139; 1915-1929, Arthur F. Burns, *Production Trends in the United States Since 1870*, National Bureau of Economic Research, New York, 1934, pp. 299 and 339; 1931 and 1933, Solomon Fabricant, *The Output of Manufacturing Industries, 1899-1937*, National Bureau of Economic Research, New York, 1940, p. 395 (data from Census of Manufactures); 1935-1956, Agricultural Marketing Service, *Agriculture Handbook No. 62, Supplement for 1956 to Consumption of Food in the United States, 1909-52*, p. 106.

Reported data in hundred weights converted to barrels containing 196 lbs. of flour. These estimates are based on commercial production of wheat flour reported by the Bureau of the Census. They include flour milled in bond from foreign wheat plus the estimated flour equivalent of farm wheat ground for flour or exchanged for flour for farm household use as reported by Agricultural Marketing Service.

P 188. Refined sugar produced, 1860-1955.

Source: 1860-1914, see source for series P 13, pp. 8-9 and 139-143; 1919-1933, see Solomon Fabricant, pp. 382 and 387, cited as source for series P 187; 1934-1945, Department of Agriculture, *Agricultural Statistics, 1952*, p. 111; 1946-1955, *Agricultural Statistics, 1956*, p. 83.

Figures represent production in cane-sugar refineries and in beet-sugar factories.

P 189. Coffee imported, 1860-1957.

Source: 1860-1914, see source for series P 13, pp. 8-9 and 143-144; 1915-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 187; 1930-1947, Bureau of the Census, *Foreign Commerce and Navigation of the United States; 1948-1957*, same agency, *Quarterly Summary of Foreign Commerce of the United States*, for those years.

The data for 1860-1933 are described as net imports (general imports) minus foreign trade; for 1934-1956, they are described as imports for consumption minus foreign exports. However, on duty-free commodities, like coffee, general imports equal imports for consumption.

P 190. Canned corn produced, 1885-1957.

Source: 1885-1929, see Arthur F. Burns, pp. 300-301 and 341, cited as source for series P 187; 1930-1951, Department of Agriculture, *Agricultural Statistics, 1952*, p. 322; 1952-1955, *Agricultural Statistics, 1956*, p. 251; 1956-1957, National Canners Association, *Canned Food Pack Statistics, 1957*, p. 16.

A case consists of 24 No. 2 cans. Figures for 1930-1955 are compiled mainly from reports of the National Canners Association.

P 191. Canned tomatoes produced, 1885-1957.

Source: 1885-1929, see Arthur F. Burns, pp. 300-301 and 341, cited as source for series P 187; 1930-1957, see source for series P 190.

A case consists of 24 No. 2 cans. The figures for 1885-1929 were published in the unit case of 24 No. 3 cans. They have been converted to a unit case of 24 No. 2 cans by multiplying by the factor of 1.707. The conversion factor is taken from National Canners Association, *Canned Food Pack Statistics: 1940, part 1—Vegetables*, Washington, D.C., March 1941, p. 19. Figures for 1930-1955 are compiled mainly from reports of the National Canners Association.

P 192. Fermented malt liquor produced, 1870-1957.

Source: 1870-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 187; 1930-1932, Internal Revenue Service (formerly Bureau of Internal Revenue), records; 1933-1938, Bureau of the Census, *Statistical Abstract of the United States, 1942*, p. 944; 1939-1945, *Statistical Abstract, 1946*, p. 859; 1946-1952, *Statistical Abstract, 1953*, p. 810; 1953-1956, *Statistical Abstract, 1957*, p. 805; 1957, *Statistical Abstract, 1958*, p. 796.

The unit "barrel" contains 31 wine gallons. Primary source of the data is the *Annual Report of the Commissioner of Internal Revenue*. For 1921-1933, only cereal beverages were permitted to be produced.

P 193. Distilled spirits produced, 1870-1955.

Source: 1870-1929, see Arthur F. Burns, pp. 292-293, cited as source for series P 187; 1930-1933, Department of Commerce, *Statistical Abstract of the United States, 1936*, p. 787; 1934-1941, *Statistical Abstract, 1942*, p. 944; 1942-1955, Internal Revenue Service (formerly Bureau of Internal Revenue), records.

The computation of taxable gallons excludes all fractional parts of a proof gallon less than one-tenth. Figures are for years ending June 30 and include data for Hawaii; beginning 1928, they also include data for Puerto Rico. Figures for all years include ethyl alcohol. Primary source of figures is the Internal Revenue Service (formerly Bureau of Internal Revenue).

P 194. Manufactured tobacco and snuff produced, 1870-1957.

Source: 1870-1879, see source for series P 13, pp. 14-15 and 192-193; 1880-1929, see Arthur F. Burns, pp. 296-297,

cited as source for series P 187; 1930-1937, Bureau of the Census, *Statistical Abstract of the United States, 1938*, p. 802; 1938-1951, *Statistical Abstract, 1953*, p. 812; 1952-1956, *Statistical Abstract, 1958*, p. 798; 1957, *Statistical Abstract, 1959*, p. 804.

Primary source of the figures is the *Annual Report of the Commissioner of Internal Revenue*.

P 195. Cigars produced, 1870-1957.

Source: 1870-1879, see source for series P 13, pp. 14-15 and 189-191; 1880-1929, see Arthur F. Burns, pp. 298-299, cited as source for series P 187; 1930-1937, Bureau of the Census, *Statistical Abstract of the United States, 1938*, p. 802; 1938-1951, *Statistical Abstract, 1953*, p. 812; 1952-1953, *Statistical Abstract, 1955*, p. 823; 1954-1956, *Statistical Abstract, 1958*, p. 798; 1957, *Statistical Abstract, 1959*, p. 804.

Primary source of the figures is the *Annual Report of the Commissioner of Internal Revenue*. For 1870-1953, figures exclude cigars weighing not more than 3 pounds per 1,000.

P 196. Cigarettes produced, 1870-1957.

Source: 1870-1879, see source for series P 13, pp. 14-15 and 192; 1880-1929, see Arthur F. Burns, pp. 298-299, cited as source for series P 187; 1930-1957, see sources cited for these years for series P 195.

Figures represent large and small cigarettes and small cigars for 1870-1953, excluding those manufactured in bonded manufacturing warehouses. For 1953-1957, small cigars are excluded.

P 197. Raw cotton consumed, 1860-1957.

Source: 1860-1909, Bureau of the Census, *Bulletin 160, Cotton Production and Distribution, 1926*, p. 49; 1910-1945, *Bulletin 183, Cotton Production and Distribution, 1946*, pp. 26-31; 1946-1949, *Statistical Abstract of the United States, 1953*, p. 814; 1950-1957, *Statistical Abstract, 1958*, p. 802.

Data are for years ending August 31 through 1910, July 31 thereafter. Figures are in running bales, except that figures for 1860-1870 are in equivalent 500-pound bales. Data include linters for 1909-1957; exclude linters for 1860-1908.

P 198. Wool consumed, 1922-1957.

Source: 1922-1945, Bureau of the Census, *Statistical Abstract of the United States, 1946*, p. 655; 1946-1957, *Statistical Abstract, 1958*, p. 803.

Figures relate to scoured wool plus greasy wool reduced to a scoured basis, assuming average yields varying with class, origin, grade, and whether shorn or pulled. For 1946-1957, includes raw wool consumed in woolen and worsted systems only. Primary source of the figures is the Bureau of the Census.

For a series on apparent consumption of all wool, 1870-1929, see Arthur F. Burns, pp. 296-297, cited as source for series P 187.

P 199. Unmanufactured silk imports for consumption, 1883-1957.

Source: 1883-1929, see Arthur F. Burns, pp. 294-295, cited as source for series P 187; 1930-1931, Bureau of Foreign and Domestic Commerce, *Foreign Commerce and Navigation of the U. S.*, vol. I, for respective years; 1932, Bureau of the Census, *Statistical Abstract of the United States, 1940*, p. 732; 1933-1949, *Statistical Abstract, 1950*, p. 638; 1950-1957, *Statistical Abstract, 1958*, p. 887.

Figures are derived by subtracting foreign exports from general imports of all types of unmanufactured silk. Spun silk is not included.

For a series on raw silk imports (excluding silk from cocoons and waste) for 1860-1914, see source for series P 13, pp. 8-9 and 153-155; and for 1870-1929, see Arthur F. Burns, cited above.

P 200. Packaged rayon and acetate yarns produced, 1911-1957.

Source: 1911-1955, Textile Economics Bureau, Inc., *Textile Organon—Base Book of Textile Statistics*, vol. XXIX, No. 1, January 1958, p. 15; 1956 and 1957, Textile Economics Bureau, Inc., records.

Figures represent packaged or baled production ready for sale or fabrication and exclude staple, tow, waste, and other rayon and acetate products. Data for rayon relate to man-made fibers produced by the viscose, cuprammonium, and nitrocellulosic (discontinued after 1934) processes. Rayon horsehair and straw are included in the filament yarn figures for 1952-1957 (for 1940-51, production of these items averaged just under 1 million pounds per year). Acetate means manmade fibers composed of cellulose acetate.

For 1941-1957, figures for rayon and acetate are as actually reported by the entire industry; earlier data are estimated totals based on reports obtained from 86 percent or more of the industry, with adjustments for complete coverage in accordance with information from the Census of Manufactures.

P 201-202. Men's and women's leather shoes produced, 1899-1954.

Source: 1899-1919, see Solomon Fabricant, cited as source for series P 187; 1921-1945, Department of Commerce, *Statistical Abstract of the United States*, various issues, 1929-1946; 1947-1954, Bureau of the Census, records.

Figures represent pairs of leather uppers for men's and women's shoes. They do not include youths' and boys', misses', children's, infants', athletic, part leather, or nonleather shoes. For 1930-1954, figures for men's shoes are not strictly comparable with earlier years because large quantities of heavy footwear included with men's shoes for later years were included with athletic shoes for earlier years.

P 203-207. Steel ingots and castings produced, 1867-1957.

Source: Department of Commerce, *Statistical Abstract of the United States*, various issues, 1908-1958.

Primary source of figures is the *Annual Statistical Report of the American Iron and Steel Institute*. For 1934-1957, figures include only that part of steel castings made in foundries producing steel ingots.

P 208. Rolled iron and steel produced, 1885-1957.

Source: 1885-1929, see Arthur F. Burns, p. 300, cited as source for series P 187; 1930-1957, Bureau of the Census, *Statistical Abstract of the United States*, various issues, 1947-1958.

Primary source of the figures is the *Annual Statistical Report of the American Iron and Steel Institute*. Figures include rails, plates and sheets, merchant bar and skelp production, wire rods, and structural shapes.

P 209. Tinplate consumption, 1871-1957.

Source: 1871-1929, see Arthur F. Burns, p. 296, cited as source for series P 187; 1930-1957, American Iron and Steel Institute, *Annual Statistical Report*, various issues, 1932-1957.

Figures include both tinplate and terneplate. For 1871-1899, figures are for production plus imports; for 1900-1957, production plus imports minus exports.

P 210. Rails produced, 1860-1957.

Source: 1860-1914, see source for series P 13, pp. 10-11 and 157-158; 1915-1929, see Arthur F. Burns, pp. 294-295,

cited as source for series P 187; 1930-1957, American Iron and Steel Institute, *Annual Statistical Report*, various issues, 1930-1957.

Figures include both iron and steel rails, rerolled rails, and girder and high T rails. Rails are a component of "rolled iron and steel" (series P 208). For 1860-1867, figures include production of iron rails only.

P 211. Structural iron and steel shapes produced, 1879-1957.

Source: 1879-1914, see source for series P 13, pp. 10-11 and 158; 1915-1957, American Iron and Steel Institute, *Annual Statistical Report*, various issues, 1927-1957.

Structural shapes are a component of "rolled iron and steel" (series P 208).

P 212. Common and face brick produced, 1869-1957.

Source: 1869-1899 (decennially), 1904, 1909, 1914, 1919-1939 (biennially), 1947, and 1954, *Census of Manufactures*, reports for various years; 1894-1912, *Mineral Resources of the United States, 1900-1913*, various issues; 1913-1956, Bureau of the Census, *Statistical Abstract of the United States*, various issues, 1925-1958; 1957, Bureau of the Census, *Facts for Industry*, series M 32D.

The figures for 1869 and 1879 are for common brick only. For 1889, 1899, and 1904, the production of "fancy or ornamental brick" has been added to the production of "face brick," the reason being that "the best grade of 'face' or 'front' brick appears to have been classified as 'fancy or ornamental' brick" in these years. Beginning with 1943, common and face brick are classified as "unglazed" brick.

P 213. Locomotives produced, 1880-1945.

Source: 1880-1929, see Arthur F. Burns, pp. 300-301, cited as source for series P 187; 1930-1945, American Railway Car Institute, *Railway Age, Annual Statistical and Outlook Number*, January 6, 1945, p. 91, and *Annual Statistical and Outlook Number*, January 5, 1946, p. 88.

For 1905-1945, Canadian output is included although the U. S. output is shown separately beginning with 1929 (see, for example, *Railway Age, Annual Statistical Number*, January 4, 1947). For 1880-1911, locomotives built in railroad repair shops are excluded. For 1942-1944, figures exclude locomotives built for U. S. Government and for lend-lease program.

This series was discontinued when the new traction power was supplied almost exclusively by Diesel units. A locomotive may be composed of one or more Diesel units.

P 214. Railroad freight cars produced, 1871-1957.

Source: 1871-1914, see source for series P 13, pp. 14-15 and 193-196; 1915-1919, American Railway Car Institute, *Railway Age, Annual Statistical and Outlook Number*, January 7, 1939, p. 83; 1920-1957, *Railway Age, Annual Statistical and Outlook Number* (most recently entitled *Review and Outlook*), various issues, 1950-1958.

For 1920-1957, figures represent "freight cars delivered." For 1871-1919, figures represent domestic production of freight cars, exclusive of that in railroad repair shops; thereafter, figures include production in railroad repair shops.

P 215. Railroad passenger cars produced, 1871-1957.

Source: 1871-1914, see source for series P 13, pp. 14-15 and 196-197; 1915-1957, see source for series P 214.

For 1920-1957, figures represent "passenger train cars delivered." For 1871-1919, figures represent domestic production of passenger cars, exclusive of that in railroad repair shops; thereafter, figures include production in railroad repair shops.

P 216-217. Horse-drawn vehicles produced, 1899-1954.

Source: 1899-1937, see Solomon Fabricant, p. 585, cited as source for series P 187; 1939-1954, *Census of Manufactures*, reports for 1939, 1947, and 1954.

For 1899-1914, figures for farm wagons, trucks, and business vehicles include patrol wagons, ambulances, handcarts, and pushcarts; for 1919-1925, they exclude mail carrier wagons and public conveyances and relate to products made within the industry (as classified by the Bureau of the Census); for 1927-1954, figures relate to all products made regardless of the industry classification of the establishment.

For 1899-1925, figures for carriages, buggies, and sulkies exclude sulkies; for 1933, include two-wheeled carts.

P 218. Bicycles produced, 1899-1954.

Source: 1899-1937, see Solomon Fabricant, p. 590, cited as source for series P 187; 1939-1954, see source for series P 216-217.

For 1899-1921, figures relate to products made within the industry (as classified by the Bureau of the Census); for 1923-1954, figures relate to all products made regardless of the industry classification of the establishment.

P 219. Pneumatic tires and casings produced, 1914-1954.

Source: 1914-1937, see Solomon Fabricant, p. 480, cited as source for series P 187; 1939-1954, see source for series P 216-217.

Figures exclude tires for bicycles and motorcycles.

P 220. Light products of distillation, 1880-1956.

Source: 1880 and 1889, see *Twelfth Census of the United States*, vol. X, *Manufactures*, part IV, p. 685; 1899-1927, see Solomon Fabricant, p. 517, cited as source for series P 187; 1929-1956, Office of Business Economics, *Business Statistics, 1957, Biennial Edition*, a supplement to the *Survey of Current Business*, p. 173.

These figures relate essentially to the production of gasoline and naphtha. Figures for 1880-1927 and for 1929-1956 are not strictly comparable. The figure for 1929 on a basis comparable with preceding years is 18.4 billion gallons. For 1953-1956, figures for jet fuel are excluded.

The sum of the monthly average production of barrels of gasoline and naphtha from crude oil and natural gas liquids is multiplied by 12 to obtain the annual total. The latter is converted to gallons on the assumption of 42 gallons per barrel. The basic source of these data is the Bureau of Mines, *Minerals Yearbook*.

P 221. Illuminating oils (kerosene) produced, 1899-1956.

Source: 1899-1927, see Solomon Fabricant, p. 517, cited as source for series P 187; 1929-1956, see source for series P 220, p. 172.

Figures for 1899-1927 and for 1929-1956 are not strictly comparable. The figure for 1929 comparable with the preceding years is 2.34 billion gallons. For 1953-1956, figures exclude jet fuel.

The monthly average production of barrels of kerosene is multiplied by 12 to obtain the annual production. The latter is converted to gallons on the assumption of 42 gallons per barrel. The basic source of these data is the Bureau of Mines, *Minerals Yearbook*.

P 222. Fuel oils produced, 1899-1956.

Source: 1899-1927, see Solomon Fabricant, p. 517, cited as source for series P 187; 1929-1956, see source for series P 220, p. 171.

Figures for 1899-1927 and for 1929-1956 are not strictly comparable. The figure for 1929 comparable with the preceding

years is 16.4 billion gallons. For 1953-1956, jet fuels are excluded.

The sum of the monthly average production of barrels of distillate and residual fuel oil is multiplied by 12 to obtain the annual total. The latter is converted to gallons on the assumption of 42 gallons per barrel. The basic source of these data is the Bureau of Mines, *Minerals Yearbook*.

P 223. Lubricating oils produced, 1899-1956.

Source: 1899-1927, see Solomon Fabricant, p. 518, cited as source for series P 187; 1929-1956, see source for series P 220, p. 173.

Figures for 1899-1927 and for 1929-1956 are not strictly comparable. The figure for 1929 comparable with preceding years is 1,554 million gallons.

The monthly average of barrels produced is multiplied by 12 to obtain the annual production. The latter is converted to gallons on the assumption of 42 gallons per barrel. The basic source of these data is the Bureau of Mines, *Minerals Yearbook*.

P 224. Paraffin wax produced, 1880-1956.

Source: 1880 and 1889, see *Twelfth Census of the United States*, vol. X, *Manufactures*, part IV, p. 685; 1899-1927, see Solomon Fabricant, p. 518, cited as source for series P 187; 1929-1956, see source for series P 220, p. 175.

For 1929-1956, figures are labelled petroleum wax. The monthly average of barrels produced is multiplied by 12 to obtain the annual production. The latter is converted to gallons on the assumption of 280 pounds per barrel and 7.5 pounds per gallon. The basic source of these data is the Bureau of Mines, *Minerals Yearbook*.

P 225. Super-phosphate produced, 1860-1957.

Source: 1860-1954, Department of Agriculture, *Statistics on Fertilizers and Liming Materials in the United States*, Statistical Bulletin No. 191, p. 43, April 1957; 1955-1957, Bureau of the Census, *Facts for Industries*, series M19D-06 and M19D-08.

P 226. Sulfuric acid produced, 1899-1956.

Source: 1899-1925, Bureau of the Census, records; 1929-1956, see source for series P 220, p. 119.

Figures are combined totals for sulfuric acid produced by the contact and chamber processes, including spent acid fortified in the contact plants with the simultaneous production of new acid. Production of Government-owned plants, which was large during the war period, is not included for that period; for the most part, this production was available only for military use. However, for 1954-1956, appreciable amounts of sulfuric acid produced in Government-owned privately operated plants are included. Figures for 1946-1950 include estimates based on annual totals of byproduct operations of a few smelters reporting to the Bureau of Mines; the estimated data included vary from 4 percent in 1946 to 2 percent in 1950. For 1899-1939, figures are based on reports of the Census of Manufactures; they are shown in those reports on a 50° Baume basis but are here converted to 100 percent H₂SO₄. Beginning January 1948, figures are not strictly comparable with earlier data because of the inclusion of additional plants; however, the addition of these plants increased the production of the specified chemical by less than 3.5 percent.

P 227. Soda ash produced, 1890-1954.

Source: 1890, *Twelfth Census of the United States*, vol. X, *Manufactures*, part IV, p. 539; 1899-1937, see Solomon Fabricant, p. 490, cited as source for series P 187; 1939-1954, see source for series P 216-217.

P 228. Mechanical refrigerators produced, 1921-1954.

Source: 1921-1937, American Gas Association (gas refrigerators), and Business News Publishing Co., *Air Conditioning and Refrigeration News*, and McGraw-Hill Publishing Co., *Electrical Merchandising* (electric refrigerators); 1939-1954, see source for series P 216-217.

Figures for 1921-1937 measure sales, not production, of household refrigerators.

P 229. Reed organs produced, 1899-1935.

Source: See Solomon Fabricant, p. 595, cited as source for series P 187.

P 230. Pianos produced, 1899-1954.

Source: 1899-1937, see Solomon Fabricant, pp. 597 and 598, cited as source for series P 187; 1939-1954, see source for series P 216-217.

P 231. Phonographs produced, 1899-1929.

Source: See Solomon Fabricant, p. 573, cited as source for series P 187.

P 232. Radios and radio-phonograph combinations produced, 1923-1954.

Source: 1923-1937, see Solomon Fabricant, pp. 573-574, cited as source for series P 187; 1939-1954, see source for series P 216-217.

Figures include home receiving sets, automobile sets, and radio-phonograph combinations.

P 233-249. General note.

Capacity is generally calculated on the basis of full-time operation of an industry (i.e., 365 days a year, 24 hours a day). Capacity as of January 1 is generally used as the basis of computation. Exceptions to these general rules are noted in the text for each series, where applicable.

P 233. Blast furnaces (pig iron), 1898-1957.

Source: 1898-1915, American Iron and Steel Institute, records; 1916-1957, same organization's *Annual Directory* and *Annual Statistical Report*, New York, various issues.

Figures include a 6.1 percent deduction from full-time operation to allow for rebuilding, relining, and repairing the equipment. Capacity is based on April 1 for 1898; November 1, 1901 and 1907; June 1, 1904; and the average of January 1 and July 1 for 1941-1944 and 1950.

P 234. Steel ingots and steel for castings, 1887-1957.

Source: See source for series P 233.

Figures include a 9.1 percent deduction from full-time operation to allow for rebuilding, relining, and repairing equipment, and for holiday shutdowns. Capacity is based on an average of January 1 and July 1 for 1941-1944.

P 235. Copper refining, 1907-1957.

Source: 1907-1930, Edwin G. Nourse, *America's Capacity to Produce*, The Brookings Institution, Washington, D. C., 1934, p. 557; 1931-1957, American Bureau of Metal Statistics, *Year Book*, New York, various issues.

P 236-237. Lead refining, 1921-1957.

Source: American Bureau of Metal Statistics, *Year Book*, New York, various issues.

P 238. Zinc refining, 1921-1957.

Source: See source for series P 236-237.

Figures are not comparable throughout because of changes in components. For 1921-1925, figures represent distillation zinc; 1926-1940, distillation and electrolytic zinc; 1941-1957, slab zinc. As an alternative source for data, see Bureau of Mines, *Minerals Yearbook*, various issues.

P 239. Aluminum ingots, 1889-1957.

Source: 1889-1895, J. D. Edwards, *et al.*, *The Aluminum Industry*, McGraw-Hill Publishing Co., New York, 1930; 1910-1919, Business and Defense Services Administration, *Materials Survey, Aluminum*, 1956; 1927-1938, Surplus Property Board, *Aluminum Plants and Facilities Report*, 1945; 1939-1957, American Bureau of Metal Statistics, *Year Book*, New York, various issues.

The general practice in this industry is to rate potline capacity on full-time operation. As an alternative source for data, see Bureau of Mines, *Minerals Yearbook*, various issues.

P 240. Portland cement, 1910-1957.

Source: 1910-1923, Geological Survey, *Mineral Resources of the United States*, annual volumes; 1924-1931, Bureau of Mines, *Mineral Resources of the United States*, annual volumes; 1932-1957, *Minerals Yearbook*, annual volumes.

A deduction from full-time operation is taken for estimated average number of days required for repair or other unavoidable shutdowns. Favorable labor, fuel, and transportation conditions are assumed.

P 241. Crude petroleum refining, 1918-1957.

Source: Bureau of Mines, *Petroleum Refineries, Including Cracking Plants in the United States, January 1, 1957*, Information Circular No. 7815, December 1957, Monthly Petroleum Statement No. 431 (also shown in *Minerals Yearbook*).

Capacity is defined as the maximum daily average throughput (converted to an annual basis) of the plant in complete operation, with allowance for necessary shutdown time for routine maintenance, repairs, etc. It approximates the maximum daily average crude runs to stills that can be maintained for an extended period. Capacity is based on November 1 for 1924 and May 1 for 1925.

P 242-243. Coke, 1909-1957.

Source: 1909-1920, see source for series P 235; 1921-1957, see source for series P 240.

P 244. Carbon black, 1929-1957.

Source: See source for series P 240.

P 245. Sulfuric acid, 1945-1957.

Source: American Chemical Society, *Chemical and Engineering News*, Washington, D. C., July 10, 1945; 1950-1957, Business and Defense Services Administration, *Chemical and Rubber Industry Report*, various issues.

Capacity is based on 350 days a year.

P 246. Phosphatic fertilizers, 1900-1957.

Source: 1900-1951, Agricultural Research Service, *Statistics on Fertilizers and Liming Materials in the United States*, Statistical Bulletin No. 191, April 1957; 1952-1957, National Plant Food Institute, *Plant Food Review*, vol. 4, Nos. 2 and 3, 1958.

These data are the total of normal superphosphate, concentrated superphosphate, and miscellaneous phosphatic materials. Capacity of normal superphosphate is based on 300 two-shift

days a year. Capacity of concentrated superphosphate and other phosphatic materials is based on 350 days a year, continuous operations.

P 247. Synthetic nitrogen, 1924-1957.

Source: 1924-1950, see source for series P 246; 1951-1955, Business and Defense Services Administration, *Summary Information on Anhydrous Ammonia*, Bulletin No. 142, February 1956; 1956-1957, Business and Defense Services Administration, records.

Capacity is based on 350 days a year, continuous operations.

P 248. Rayon and acetate fibers, 1911-1957.

Source: 1911, *New York Times*, Special Chemistry Section, September 2, 1951; 1936-1957, Textile Economics Bureau, *Textile Organon* (prior to 1952, *Rayon Organon*), New York, various issues.

Capacity is as of November for all years except 1940 (July) and 1944 (April). Allowance was made for periodic shutdowns of machines for repair, overhaul, or cleaning on a set time schedule.

P 249. Paper and paperboard, 1900-1957.

Source: American Paper and Pulp Association, *The Statistics of Paper*, New York, December 1957.

Capacity for paper and building paper is based on 310 days a year, 24 hours a day; for paperboard, 313 days.

P 250-306. Value of output of finished commodities and construction materials destined for domestic consumption at current producers' prices, and implicit price indexes for major commodity groups (Shaw), 1869-1939.

Source: William H. Shaw, *Value of Commodity Output Since 1869*, National Bureau of Economic Research, New York, 1947, pp. 30, 66, and 290.

These estimates are derived from Census of Manufactures data, supplemented by less complete data for nonmanufactured finished commodities and construction materials and for intercensal year interpolations. The estimates before 1919 are based necessarily on less adequate information.

The estimates of finished commodities measure the value of commodities that have reached the form in which they are used by ultimate recipients—largely households in the case of consumers' goods, chiefly business and public enterprises in the case of producers' goods. The amount "destined for domestic consumption" is derived as the sum of domestic production, minus exports, plus imports. In most years and for most commodities, the differences between domestic production of finished commodities and finished commodities destined for domestic consumption were modest. Changes in the latter, therefore, can be used as an approximate measure of changes in domestic manufacturing output. For figures on domestic output of finished commodities at producers' prices for 1919-1933, see Kuznets, cited above, pp. 136-138 and 348.

The estimates presented here exclude transportation and distribution costs incurred after the production stage, and hence are not in terms of prices to final users. Nor do they measure domestic consumption for they make no allowance for inventory changes.

Perishable commodities include those usually lasting less than 6 months; semidurable, those usually lasting from 6 months to 3 years; and durable, those usually lasting more than 3 years. For a detailed discussion of sources and procedures, see the source, part II for estimates of the value of output, part III for exports and imports, and part IV for price indexes.

SUMMARY—PRODUCTION INDEXES

Series P 1-10. Manufactures Summary: 1849 to 1954

Year	Number of establishments	Persons engaged in manufacturing			Salaries and wages (\$1,000)			Value added by manufacture ¹ (\$1,000)	Horsepower (1,000)	
		Proprietors and firm members	Nonproduction employees ¹	Production and related workers (average for year)	Total	Salaries	Wages		Prime movers	Motors run by purchased energy
FACTORIES, EXCLUDING HAND AND NEIGHBORHOOD INDUSTRIES										
1954	286,817	197,850	8,278,264	12,378,030	62,998,321	18,397,864	44,595,457	116,912,526	85,579	72,783
1947	240,807	188,948	2,376,079	11,917,884	39,695,558	9,451,587	30,243,971	74,290,475		
1939	173,802	123,655	1,719,101	7,808,205	12,706,102	8,708,587	8,997,515	24,487,304	21,077	28,816
1937	166,794	99,268	1,217,171	8,569,231	12,829,749	2,716,866	10,112,883	25,178,589		
1935	167,916	81,521	1,058,501	7,208,794	9,564,754	2,253,425	7,811,329	18,552,553		
1933	189,325	72,267	770,314	5,787,611	6,237,800	1,297,654	4,940,146	14,007,540		
1931	171,450			6,163,144			6,688,541	18,600,532		
FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES										
1929	206,668	132,686	1,290,037	8,369,705	14,284,282	8,399,368	10,884,919	30,591,435	19,328	21,794
1927	187,629	132,151	1,223,982	7,848,070	13,123,135	8,028,670	10,099,465	26,325,394		
1925	183,877	132,971	1,271,008	7,871,409	12,957,707	2,978,058	9,979,649	25,667,624	19,243	15,116
1923	192,096	147,953	1,280,488	8,194,170	12,996,460	2,847,836	10,148,624	24,569,487		
1921	192,059	172,291	1,081,890	6,475,474	9,870,199	2,418,900	7,451,299	17,252,775		
1919	270,231	249,865	1,371,885	8,464,916	12,426,902	2,762,893	9,664,009	23,841,624	19,432	8,965
1914	268,436	258,560	911,899	6,602,287	5,015,977	1,238,655	3,782,322	9,385,622	17,858	3,707
1909	264,510	272,421	750,330	6,261,736	4,105,470	900,257	3,205,218	8,160,075	16,398	1,669
1904	213,444	225,115	493,297	5,181,660	2,990,937	550,086	2,440,851	6,019,171	12,605	428
1899	204,754		348,100	4,501,919	2,258,654	366,080	1,892,574	4,646,981	9,633	178
FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES										
1899	509,490		380,739	5,097,562	2,595,566	389,019	2,206,547	5,474,892	10,805	183
1889	353,864		457,139	4,129,355	2,209,058	383,204	1,820,854	4,102,301	5,939	
1879	253,852			2,732,595			947,954	1,972,756	3,411	
1869	252,148			2,053,996			620,467	1,395,119	2,346	
1859	140,433			1,311,246			378,879	854,257		
1849	123,025			957,059			236,755	463,983		

¹ 1954 figure is an average based on reported employment totals for payroll periods nearest the 15th of March, May, August, and November except for seasonal industries in 1954 when a 12-month average was used. For 1947, figure represents the average of 12 monthly figures; for 1939 and earlier years, figures represent nonproduction workers reported for 1 payroll period (usually in October). For treatment of employees of central administrative offices, see text.
² For 1849-1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. For definition of value added, see text.
³ Revised.
⁴ Figures for 1939, but not for earlier years, represent figures which have been revised by retabulation of returns to exclude data for establishments classified as manufacturing in 1939 and prior years, but classified as nonmanufacturing beginning with

1947. Value added by manufacture for 1939, prior to revision and on a basis comparable with 1937 and previous years, was \$24.7 billion.
⁵ Not revised to exclude data for establishments classified as manufacturing in 1939 and prior years but classified as nonmanufacturing beginning with 1947.
⁶ 1939 figures for "Nonproduction employees" revised on basis of estimates rather than by retabulation of 1939 reports. Estimates were made in the following manner: For nonproduction employees, by multiplying the retabulated figure for number of production and related workers by the ratio of all employees to production and related workers computed from unrevised 1939 statistics; for salaries and wages, by multiplying the retabulated wage figure by the ratio for salaries and wages also derived from the unrevised 1939 statistics.
⁷ Excludes data for salaried officers of corporations and their salaries and, therefore, not strictly comparable with figures for other years.

Series P 11-13. Indexes of Manufacturing Production: 1860 to 1957

Year	FRB ¹ (1947-49 =100)	Year	FRB ¹ (1947-49 =100)	NBER ² (1947=100)	Frickey ³ (1899=100)	Year	NBER ² (1899=100)	Frickey ³ (1899=100)	Year	Frickey ³ (1899=100)
	11		11	12	13		12	13		13
1957	145	1933	36			1905	140	1880	42	
1956	144	1932	30			1904	19	1879	36	
		1931	39			1903		1878	32	
1955	140					1902		1877	30	
1954	127	1930	48			1901		1876	23	
1953	136	1929	58							
1952	125	1928	52			1900		1875	28	
1951	121	1927	50			1899	15	1874	29	
		1926	50			1898		1873	30	
1950	113					1897		1872	31	
1949	97	1925	48			1896		1871	26	
1948	103	1924	43							
1947	100	1923	45			1895		1870	25	
1946	90	1922	39			1894		1869	25	
		1921	30			1893		1868	23	
1945	110					1892		1867	22	
1944	130	1920	39			1891		1866	21	
1943	133	1919	38	34						
1942	110					1890		1865	17	
1941	88	1914		29	192	1889		1864	18	
		1913			203	1888		1863	17	
1940	66	1912			194	1887		1862	15	
1939	57	1911			162	1886		1861	16	
1938	46									
1937	60	1910			172	1885		1860	16	
1936	55	1909		24	166	1884				
		1908			127	1883				
1935	46	1907			156	1882				
1934	39	1906			162	1881				

¹ Federal Reserve Board index of manufactures.
² National Bureau of Economic Research, index of physical volume, all manufacturing industries.

³ Edwin Frickey's indexes of production for manufacture.

MANUFACTURES

Series P 14-23. Capital in Manufacturing Industries: 1879 to 1955

[In millions of dollars]

Year	Capital in book value (NBER)			Capital in 1929 dollars (NBER)			Real net value in 1947 dollars (Dept. of Commerce)			
	Total	Fixed	Working	Total	Fixed	Working	Structures and equipment	Structures	Equipment	Inventories
	14	15	16	17	18	19	20	21	22	23
1955							64,300	33,200	81,100	37,200
1954							62,800	32,500	30,400	35,800
1953							61,700	32,200	29,500	37,800
1952	164,858	69,323	95,530	197,245	49,463	53,782	59,700	31,700	28,000	36,200
1951							57,700	31,800	26,400	34,300
1950							55,500	30,700	24,800	29,000
1949							54,200	30,800	23,400	27,100
1948							53,100	30,700	22,500	28,500
1947	118,394	45,727	67,667	77,932	36,526	41,444	50,500	30,000	20,400	27,500
1946							46,900	28,800	18,100	27,500
1945							42,900	26,600	16,300	24,100
1944							41,300	26,500	14,800	25,700
1943							41,500	27,400	14,100	26,600
1942							42,200	28,500	13,700	26,000
1941							42,400	29,000	13,400	24,000
1940							40,600	28,000	12,600	20,500
1939							39,900	27,900	12,000	18,700
1938							40,200	28,300	11,900	18,200
1937	50,166	23,282	26,884	55,319	25,851	29,468	40,800	28,800	12,000	19,300
1936							40,000	28,500	11,500	16,700
1935							40,100	28,800	11,300	15,200
1934							41,000	29,500	11,400	14,700
1933							42,100	30,100	11,900	14,100
1932							43,800	30,700	12,700	15,500
1931							45,200	31,700	13,500	17,800
1930							46,000	32,100	13,900	19,100
1929	59,072	27,410	31,662	63,022	30,853	32,169	45,500	31,600	13,900	18,400
1928							43,200	29,900	13,400	17,300
1919	40,289	(²)	(²)	46,094	(²)	(²)				
1914	20,784	(²)	(²)	36,737	(²)	(²)				
1909	16,987	(²)	(²)	31,563	(²)	(²)				
1904	11,688	5,596	5,992	23,295	12,316	10,979				
1899 ³	8,168	(²)	(²)	17,452	(²)	(²)				
1899 ⁴	8,663	4,223	4,440	18,626	9,651	8,975				
1889	5,697	2,646	3,051	11,157	5,553	6,336				
1879	2,718			4,821						

¹ Includes firms engaged in shipbuilding which were excluded in other years.
² Not available.

³ Comparable with subsequent years; see text for series P 1-10.
⁴ Comparable with preceding years; see text for series P 1-10.

Series P 24-29. Capital Expenditure for Structures and Equipment: 1915 to 1955

[In billions of dollars]

Year	Current-year cost			Constant-year cost (1947 dollars) ¹			Year	Current-year cost			Constant-year cost (1947 dollars) ¹		
	Total	Structures	Equipment	Total	Structures	Equipment		Total	Structures	Equipment	Total	Structures	Equipment
	24	25	26	27	28	29		24	25	26	27	28	29
1955	8.6	3.0	5.6	6.4	2.4	4.0	1934	0.9	0.3	0.6	1.7	0.8	0.9
1954	8.0	2.4	5.6	6.0	1.9	4.1	1933	.7	.3	.4	1.5	.8	.7
1953	8.6	2.6	6.0	6.5	2.0	4.5	1932	.5	.1	.4	1.0	.8	.7
1952	8.4	2.6	5.9	6.5	2.0	4.5	1931	1.0	.3	.7	2.0	.9	1.1
1951	8.8	2.6	5.6	6.4	2.1	4.4	1930	1.8	.8	1.0	3.4	1.9	1.5
1950	6.8	1.6	4.6	5.5	1.5	4.0	1929	2.9	1.5	1.4	5.1	3.0	2.0
1949	6.7	1.8	3.9	5.1	1.7	3.4	1929	2.7	1.0	1.8	4.7	.9	1.8
1948	7.1	2.4	4.7	6.5	2.2	4.3	1928	2.3	.9	1.5	4.3	.7	1.5
1947	7.1	2.7	4.4	7.1	2.7	4.4	1927	2.1	.7	1.4	4.2	.6	1.5
1946	6.8	3.1	3.2	7.4	3.6	3.7	1926	2.4	.8	1.5	4.7	.7	1.6
1945	3.6	1.0	2.5	4.7	1.5	3.2	1925	2.0	.6	1.4	4.0	.5	1.5
1944	2.2	.8	1.9	2.9	.5	2.4	1924	1.7	.5	1.3	3.5	.4	1.3
1943	1.7	.2	1.5	2.3	.4	1.9	1923	2.1	.6	1.4	4.1	.5	1.5
1942	2.0	.6	1.5	2.8	.9	1.9	1922	1.5	.5	1.0	3.0	.5	1.1
1941	3.1	1.8	1.8	4.7	2.4	2.3	1921	1.4	.4	1.0	2.8	.3	1.0
1940	2.2	.7	1.5	3.5	1.5	2.0	1920	3.2	1.2	1.9	6.3	1.0	1.8
1939	1.5	.4	1.1	2.5	.9	1.5	1919	2.2	.8	1.4	4.4	.7	1.4
1938	1.3	.4	.9	2.1	.8	1.3	1918	2.5	.9	1.5	4.9	1.0	1.6
1937	2.1	.8	1.3	3.6	1.7	1.9	1917	1.7	.5	1.2	3.4	.6	1.6
1936	1.5	.4	1.0	2.6	1.0	1.6	1916	1.1	.3	.7	2.1	.5	1.1
1935	1.0	.3	.8	1.8	.6	1.2	1915	.6	.2	.4	1.2	.3	.7

Figures for 1915-1929 are in 1939 dollars.

Series P 30-133. Total Capital in Major Branches of Manufactures, in Book Value and in 1929 Dollars: 1879 to 1948

[In millions of dollars]

Series No.	Industry	1948 ¹	1937 ¹	1929 ¹	1919 ³	1914 ³	1909 ³	1904 ³	1899 ³	1899 ⁴	1889 ⁴	1879 ⁴
BOOK VALUE												
30	Total manufacturing.....	113,394	50,166	59,072	40,289	20,784	16,937	11,588	8,168	8,663	5,697	2,718
31	Food and kindred products.....	16,071	8,069	8,881	6,272	3,668	2,335	2,230	1,576	1,647	925	498
32	Bakery and confectionery.....	1,757	1,181	1,568	911	426	295	173	114	123	72	28
33	Canned products.....	1,681	820	853	378	172	119	90	59	59	25	9
34	Mill products.....	1,060	496	471	802	380	349	265	189	219	208	177
35	Packaginghouse products.....	1,975	1,114	1,385	1,185	537	378	238	189	189	117	49
36	Sugar.....	780	599	1,053	473	316	283	221	204	204	24	28
37	Liquor and beverages.....	3,158	1,371	692	782	1,016	873	660	516	584	310	135
38	Tobacco products.....	2,330	961	1,150	605	304	246	324	112	124	96	40
39	Other food products.....	3,302	1,577	1,709	1,136	517	392	259	193	195	73	32
40	Textiles and textile products.....	10,397	4,770	7,687	6,205	2,881	2,550	1,783	1,366	1,494	1,119	602
41	Cotton goods.....	3,693	866	1,603	2,145	1,039	936	702	528	528	392	246
42	Silk and rayon goods.....	441	441	869	538	210	152	110	81	81	51	19
43	Woolen and worsted goods.....	415	415	601	868	408	429	318	264	264	208	117
44	Carpets, floorcovering, tapestries, etc.....	483	199	262	179	112	97	69	53	53	43	25
45	Knit goods.....	929	433	709	516	216	164	107	82	82	51	16
46	Clothing.....	3,018	1,086	1,758	1,447	633	568	345	257	350	292	114
47	Textiles, n.e.c. ⁵	2,253	1,380	1,887	517	268	204	137	101	136	87	65
48	Leather products.....	1,303	751	1,167	1,523	743	659	452	335	369	274	157
49	Boots and shoes.....	710	410	625	581	255	197	123	100	102	95	43
50	Other leather products.....	592	341	542	942	488	462	329	235	267	179	114
51	Rubber products.....	1,791	795	1,088	960	268	162	99	78	78	37	9
52	Tires and tubes.....	1,383	586	918	635	130						
53	Other rubber products.....	361	209	170	325	138						
54	Forest products.....	4,816	2,405	3,842	2,726	1,932	1,767	1,174	872	1,110	825	361
55	Sawmill and planing mill products.....	3,000	1,562	2,660	1,730	1,193	1,122	694	520	781	518	219
56	Other wood products.....	1,805	843	1,182	996	739	645	480	352	379	307	142
57	Paper, pulp, and products.....	3,692	1,942	2,060	1,195	689	523	354	218	219	115	58
58	Printing, publishing, and allied industries.....	3,984	2,320	2,622	1,189	745	611	450	342	342	234	80
59	Chemicals and allied substances.....	9,109	3,537	3,942	2,594	1,280	911	634	457	458	288	137
60	Fertilizers.....	334	198	385	312	217	122	69	61	61	41	18
61	Chemicals proper, acids, etc.....	2,580	1,125	978	941	390	273	194	144	145	96	49
62	Allied chemical substances, drugs, oils, etc.....	5,917	2,214	2,684	1,341	673	516	371	252	252	151	70
63	Petroleum refining.....	15,363	5,814	5,745	1,170	326	182	136	95	95	77	27
64	Stone, clay, and glass products.....	2,934	1,825	2,351	1,267	990	860	554	336	351	217	83
65	Iron and steel products.....	13,796	6,383	6,226	5,671	2,836	2,411	1,544	870	860	646	318
66	Iron and steel.....	9,521	4,394	4,155	4,456	2,147	1,845	1,185	657	657	469	258
67	Metal building materials and supplies.....	2,309	805	756	665	417	340	202	97	87	73	10
68	Hardware, tools, etc.....	1,177	1,184	1,315	549	273	225	156	116	117	104	49
69	Nonferrous metals and products.....	3,401	2,090	2,194	1,484	827	705	455	360	331	187	86
70	Precious metals, products and processes.....	515	247	352	315	196	181	126	97	97	70	29
71	Other metals, products and processes.....	2,663	1,843	1,842	1,169	631	524	329	263	284	117	57
72	Machinery, excluding transportation equipment.....	14,674	4,979	5,833	4,700	2,331	1,860	1,309	924	924	557	242
73	Electrical machinery and equipment; radios.....	4,874	1,120	1,514	963	390	282	183	87	86	19	2
74	Agricultural machinery.....	1,745	749	780	367	339	256	197	158	158	145	62
75	Office equipment, etc.....	815	413	430	167	95	72	41	24	24	8	6
76	Factory; household and miscellaneous machinery.....	6,962	2,697	3,159	3,208	1,507	1,250	888	655	656	385	172
77	Transportation equipment.....	8,382	3,294	3,264	2,326	685	390	169	173	167	73	9
78	Motor vehicles.....	6,006	2,504	2,575	1,816	426	184	29	36	30	2	
79	Locomotive and railroad equipment.....	927	610	578	491	259	206	139	137	137	71	9
80	Airplanes.....	1,114	180	111	18							
81	Miscellaneous manufacturing.....	3,681	1,192	2,168	1,007	583	411	245	166	168	123	51

¹ Covers factories having annual production of \$5,000 or more.² Some minor groups are not adjusted for investment in emergency facilities after "normal" depreciation or intangible assets. Therefore sum of detail does not equal totals.³ Covers factories having annual production of \$500 or more.⁴ Includes custom and neighborhood shops.⁵ N.e.c. represents not elsewhere classified.

Series P 30-133. Total Capital in Major Branches of Manufactures, in Book Value and in 1929 Dollars: 1879 to 1948—Con.

[In millions of dollars]

Series No.	Industry	1948 ¹	1937 ¹	1929 ¹	1919 ²	1914 ²	1909 ²	1904 ²	1899 ²	1899 ⁴	1889 ⁴	1879 ⁴
1929 DOLLARS												
82	Total manufacturing.....	77,962	55,319	63,292	46,094	36,737	31,563	23,295	17,452	18,626	11,157	4,821
83	Food and kindred products.....	10,488	9,180	9,591	7,588	6,515	5,517	4,656	3,596	3,760	1,839	897
84	Bakery and confectionery.....	1,146	1,287	1,698	1,108	757	555	361	256	281	143	50
85	Canned products.....	1,097	938	921	458	306	224	188	185	135	50	16
86	Mill products.....	691	564	509	971	675	656	553	432	500	414	319
87	Packaginghouse products.....	1,288	1,267	1,456	1,435	954	711	497	432	432	233	88
88	Sugar.....	509	681	1,137	578	561	532	461	466	466	48	50
89	Liquor and beverages.....	2,061	1,560	747	947	1,805	1,641	1,378	1,178	1,219	616	243
90	Tobacco products.....	1,520	1,093	1,242	732	540	462	676	256	288	191	72
91	Other food products.....	2,154	1,794	1,846	1,375	918	737	541	441	445	145	58
92	Textiles and textile products.....	6,892	5,638	8,195	6,752	5,163	4,636	3,482	2,876	3,145	2,024	998
93	Cotton goods.....	2,447	1,024	1,709	2,324	1,862	1,702	1,871	1,112	1,112	709	408
94	Silk and rayon goods.....	491	491	926	580	376	276	215	171	171	92	32
95	Woolen and worsted goods.....	320	235	279	195	201	176	135	112	112	87	194
96	Carpets, floorcovering, tapestries, etc.....	616	512	756	561	387	298	209	173	173	78	27
97	Knit goods.....	2,001	1,225	1,874	1,575	1,134	1,033	674	541	737	528	189
98	Clothing.....	1,493	1,631	2,012	568	480	371	268	213	286	167	108
99	Textiles, n.e.c. ⁵	817	808	1,213	1,411	1,351	1,359	1,066	899	891	640	328
100	Leather products.....	445	441	650	538	464	406	290	242	246	222	90
101	Boots and shoes.....	371	367	568	873	887	953	776	568	645	418	238
102	Other leather products.....	1,422	816	1,131	704	265	139	93	74	74	36	10
103	Rubber products.....	1,098	602	954	466	129	139	93	74	74	36	10
104	Tires and tubes.....	287	215	177	238	136	136	136	136	136	136	136
105	Other rubber products.....	2,934	2,548	4,083	3,155	3,475	3,591	2,662	2,253	2,868	1,950	847
106	Forest products.....	1,826	1,655	2,827	2,002	2,146	2,280	1,574	1,344	1,889	1,225	514
107	Sawmill and planing mill products.....	1,099	893	1,256	1,153	1,329	1,311	1,088	910	979	726	333
108	Other wood products.....	2,476	2,062	2,239	1,524	1,246	1,002	670	453	455	200	90
109	Paper, pulp, and products.....	2,571	2,505	2,737	1,556	1,444	1,265	939	801	801	466	144
110	Printing, publishing, and allied industries.....	6,487	3,965	4,221	2,777	2,078	1,531	1,134	869	871	478	296
111	Chemicals and allied substances.....	237	222	359	334	352	205	123	116	116	68	27
112	Fertilizers.....	1,880	1,261	1,042	1,007	633	459	347	274	276	159	74
113	Chemicals proper, acids, etc.....	4,196	2,482	2,820	1,436	1,093	867	664	479	479	261	105
114	Allied chemical substances, drugs, oils, etc.....	11,188	6,503	6,092	1,380	552	327	254	195	195	151	37
115	Petroleum refining.....	2,128	1,975	2,592	1,676	1,937	1,755	1,138	709	741	408	156
116	Stone, clay, and glass products.....	9,645	6,719	6,666	6,735	5,166	4,305	2,886	1,599	1,581	1,143	472
117	Iron and steel and products.....	6,598	4,625	4,449	5,292	3,911	3,295	2,215	1,208	1,208	830	383
118	Iron and steel.....	1,600	847	809	790	760	607	378	178	160	129	15
119	Metal building materials and supplies.....	816	1,246	1,408	652	497	402	292	218	215	184	73
120	Hardware, tools, etc.....	2,520	2,338	2,364	1,868	1,365	1,203	804	610	646	276	116
121	Nonferrous metals and products.....	379	276	379	884	823	309	223	164	164	103	39
122	Precious metals, products and processes.....	1,960	2,062	1,985	1,424	1,041	894	581	446	481	173	77
123	Other metals, products and processes.....	10,352	5,286	6,166	5,595	4,293	3,654	2,710	1,917	1,917	1,160	414
124	Machinery, excluding transportation equipment.....	3,438	1,189	1,600	1,146	718	554	379	180	178	40	3
125	Electrical machinery and equipment; radios.....	1,226	795	772	437	624	503	408	328	328	302	106
126	Agricultural machinery.....	573	438	455	199	175	141	85	50	50	17	10
127	Office equipment, etc.....	4,892	2,863	3,339	3,818	2,775	2,456	1,839	1,859	1,861	802	295
128	Factory; household and miscellaneous machinery.....	5,642	3,672	3,476	2,480	991	567	333	349	337	156	17
129	Transportation equipment.....	4,016	2,792	2,742	1,936	616	267	57	78	60	4	17
130	Motor vehicles.....	618	680	616	523	375	299	274	276	276	152	17
131	Locomotive and railroad equipment.....	743	201	118	19	19	19	19	19	19	19	19
132	Airplanes.....	2,420	1,304	2,256	948	896	712	468	340	344	230	89
133	Miscellaneous manufacturing.....											

¹ Covers factories having annual production of \$5,000 or more.
² Some minor groups are not adjusted for investment in emergency facilities after "normal" depreciation or intangible assets. Therefore sum of detail does not equal totals.

³ Covers factories having annual production of \$500 or more.
⁴ Includes custom and neighborhood shops.
⁵ N.e.c. represents not elsewhere classified.

Series P 134-137. Legal Form of Ownership of Manufacturing Establishments: 1899 to 1954

Year	Production workers, percent in establishments owned by—		Value added, percent in establishments owned by—		Year	Production workers, percent in establishments owned by—		Value added, percent in establishments owned by—	
	Corporations	Other ¹	Corporations	Other ¹		Corporations	Other ¹	Corporations	Other ¹
	134	135	136	137		134	135	136	137
1954.....	90.6	9.4	93.7	6.3	1914.....	80.3	19.7	83.2	16.8
1947.....	89.4	10.6	91.9	8.1	1909.....	75.6	24.4	77.2	22.8
1939.....	89.4	10.6	92.3	7.7	1904.....	70.6	29.4	71.9	28.1
1929.....	89.9	10.1	91.5	8.5	1899.....	(²)	(²)	65.0	35.0
1919.....	86.6	13.4	87.7	12.3					

¹ Includes sole proprietorships, firms (partnerships), and other forms of ownership, mostly cooperative societies.

² Not available.

³ Based on value of product. Establishments covered include 66,143 establishments not covered by census of manufactures. These establishments produced value of products of \$290 million in a total value of product of all manufactures of \$11,701 million.

Series P 138-146. Wage Earners, by Sex: 1869 to 1919

[Annual average, except 1869, 1879, and 1889 based on months of operation only]

Year	All wage earners			Male			Female		
	Total	16 years and over	Under 16 years	Total	16 years and over	Under 16 years	Total	16 years and over ¹	Under 16 years
	138	139	140	141	142	143	144	145	146
1919.....	9,096,372	8,975,453	120,919	7,267,030	7,202,529	64,501	1,829,342	1,772,924	56,418
1914.....	7,036,247	6,914,474	121,773	5,590,907	5,525,108	65,799	1,445,340	1,389,366	55,974
1909.....	6,615,046	6,453,553	161,493	5,252,293	5,163,164	89,129	1,362,753	1,290,389	72,364
1904.....	5,470,321	5,310,422	159,899	(²)	4,244,538	(²)	(²)	1,065,884	(²)
1899 ³	4,715,023	4,553,747	161,276	(²)	3,635,236	(²)	(²)	918,511	(²)
1899 ⁴	5,308,406	5,139,823	168,583	(²)	4,110,527	(²)	(²)	1,029,296	(²)
1889.....	4,251,613	4,130,728	120,885	(²)	3,327,042	(²)	(²)	803,686	(²)
1879.....	2,732,595	2,550,674	181,921	(²)	2,019,035	(²)	(²)	531,639	(²)
1869.....	2,053,996	1,939,368	114,628	(²)	1,615,598	(²)	(²)	323,770	(²)

¹ Actually 15 years old and over in 1869, 1879, 1889.

² Not available.

³ Comparable with later years; see text for series P 1-10.

⁴ Comparable with preceding years; see text for series P 1-10.

Series P 147-168. Indexes of Manufacturing Production, by Industry Group: 1947 to 1957

[1947-49 = 100]

Year	Total manufacturing	Durable manufactures									
		Total	Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Stone, clay, and glass products	Lumber and products	Furniture and fixtures	Miscellaneous manufactures
		147	148	149	150	151	152	153	154	155	156
1957.....	145	160	131	139	168	213	172	155	114	120	140
1956.....	144	159	138	135	171	199	166	158	123	122	144
1955.....	140	155	140	134	155	203	149	149	127	119	141
1954.....	127	137	108	123	142	175	140	131	115	106	131
1953.....	136	153	132	136	160	189	155	133	118	117	122
1952.....	125	136	116	121	147	154	142	125	111	113	140
1951.....	121	128	126	122	130	135	128	131	113	111	120
1950.....	113	116	115	115	114	120	114	118	113	117	117
1949.....	97	95	90	93	93	102	95	97	93	96	95
1948.....	103	104	107	104	104	102	105	105	106	104	105
1947.....	100	101	103	103	103	96	100	98	101	100	100

Year	Total	Nondurable manufactures									
		Textile mill products	Apparel and allied products	Rubber products	Leather and products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Food and beverage manufactures	Tobacco manufactures
		158	159	160	161	162	163	164	165	166	167
1957.....	130	99	111	135	104	158	141	184	141	112	111
1956.....	129	104	112	133	104	159	136	177	141	113	107
1955.....	126	107	113	143	105	152	127	167	135	109	105
1954.....	116	95	105	115	95	134	120	148	125	106	103
1953.....	118	104	110	123	99	132	121	147	130	107	108
1952.....	114	103	108	116	99	120	116	137	123	105	110
1951.....	114	107	105	119	94	125	113	136	122	105	107
1950.....	111	111	108	119	101	118	111	121	110	103	101
1949.....	99	94	101	92	94	98	103	101	99	100	100
1948.....	102	105	102	102	100	102	103	103	104	99	101
1947.....	99	101	97	106	106	99	93	97	97	101	99

Series P 169-186. Indexes of Manufacturing Production, by Industry Group: 1899 to 1954
[1947=100]

Year	All manufacturing industries	Durable manufactures								
		Primary metals	Fabricated metal products	Machinery, except electrical	Electrical machinery	Transportation equipment	Stone, clay, and glass products	Lumber and furniture	Instruments and miscellaneous ¹	
		169	170	171	172	173	174	175	176	177
1954	128	108	114	116	165	189	124	116	178	
1947	100	100	100	100	100	100	100	100	100	
1899	57	52	50	38	35	49	87	72	52	
1897	58	58	51			60	88	69		
1935	46	39				48	61	54		
1933	35	27				22	42	42		
1931	40	32				30	60	57		
1929	56	65				66	89	91		
1927	49	52				45	88	90		
1925	46	53				50	81	93		
1923	43	52				50		82		
1921	30	26				25		76		
1919	34	40				40		71		
1914	29	29				13		75		
1909	24	28				7		75		
1904	19	18				5		69		
1899	15	14				5		74		

Year	Nondurable manufactures								
	Textiles and apparel	Rubber products	Leather	Paper	Printing and publishing	Chemicals	Petroleum and coal products	Food	Tobacco
	178	179	180	181	182	183	184	185	186
1954	109	114	90	131	126	164	131	109	108
1947	100	100	100	100	100	100	100	100	100
1899	80	55	87	68	69	46	65	65	66
1897	72	51	86	63	73	43	61	61	65
1935	67	45	79	53	62	35	49	52	56
1933	57	39	68	44	52	29	42	37	48
1931	58	39	142	45	60	30	45	41	51
1929	67	57	79	52	72	35	54	46	55
1927	63	52	76	46	65	29	45	42	50
1925	58	48	67	40	59	24	40	40	45
1923	56	41	75	36	52	22	34	38	41
1921	43	24	60	26	37	15	30	31	36
1919	45	30	142	27	39	18	21	32	33
1914	48		64	24	34	15	12	34	29
1909	41		65	19	25	11	9	28	24
1904	32		58	14	19	8	6	24	21
1899	26		50	10	12	6	5	19	16

¹ Includes ordnance and accessories.

Series P 187-232. Physical Output of Selected Manufactured Commodities: 1860 to 1957

Year	Foods					Beverages		Tobacco products			Textiles				Leather goods	
	Wheat flour produced ¹	Refined sugar produced	Coffee imported	Canned corn produced	Canned tomatoes produced	Fermented malt liquor produced ²	Distilled spirits produced ³	Manufactured tobacco and snuff produced	Cigars produced	Cigarettes produced	Raw cotton consumed	Wool consumed	Un-manufactured silk imports for consumption	Packaged rayon and acetate yarns produced	Men's leather shoes produced	Women's leather shoes produced
	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202
1957	Mil. bbl. (°)	Mil. lb. (°)	Mil. lb. 2,713	1,000 cases 31,533	1,000 cases 21,686	1,000 bbl. 89,882	1,000 tax gallons (°) 90,698	Mil. lb. 179	Mil-lions 5,952	Mil-lions 442,328	1,000 bales 10,166	Mil. lb. 371.8	Mil. lb. 8.3	Mil. lb. 714.0	1,000 pairs (°)	1,000 pairs (°)
1956	117.6		2,776	35,668	29,883	90,698		185	5,830	424,247	10,930	440.7	12.7	750.0	(°)	(°)
1955	115.6	14,776	2,569	24,075	24,727	89,791	593,982	199	5,834	412,309	10,315	413.8	11.0	865.1	(°)	(°)
1954	113.5	14,410	2,234	30,619	21,827	92,561	563,496	204	5,882	401,849	9,900	380.8	8.5	706.8	91,125	202,025
1953	113.9	14,603	2,767	30,982	22,334	90,434	619,456	209	5,915	423,129	10,783	494.0	7.9	886.9	98,824	186,936
1952	117.0	13,811	2,665	32,329	27,981	89,601	639,256	220	5,825	435,616	10,426	466.4	12.6	828.8	100,742	183,933
1951	117.6	13,275	2,678	25,576	31,770	88,976	846,388	227	5,594	418,872	12,050	484.1	7.2	958.2	104,479	169,419
1950	115.4	14,665	2,429	18,241	21,108	88,807	521,770	235	5,399	392,025	10,467	634.8	10.5	953.9	102,526	195,186
1949	120.3	13,235	2,913	29,795	21,537	89,736	617,568	239	5,453	385,046	9,201	500.4	4.0	800.6	97,427	177,962
1948	143.2	12,202	2,752	31,483	24,393	91,291	576,409	245	5,645	386,916	10,783	494.0	7.4	856.1	104,401	176,545
1947	156.7	13,753	2,458	26,089	27,709	87,857	563,956	242	5,488	369,763	11,009	698.3	3.2	746.7	106,242	191,633
1946	143.2	10,224	2,664	30,951	31,757	84,978	634,454	253	5,618	350,132	10,218	737.5	15.6	677.5	106,044	181,351
1945	141.1	11,204	2,705	28,237	16,758	86,604	1,174,391	331	5,275	332,345	11,049	645.1	1.8	623.7	107,742	120,150
1944	125.4	12,160	2,604	25,089	26,099	81,726	1,011,763	307	5,199	323,734	11,308	622.8		555.2	108,537	118,079
1943	122.8	10,635	2,194	28,755	29,269	71,018	772,267	327	5,363	296,305	12,401	636.2		501.1	129,345	154,670
1942	114.6	9,637	1,712	32,118	41,252	63,717	675,482	330	5,841	257,657	12,658	603.6	0.2	479.3	142,975	181,685
1941	112.7	13,437	2,250	26,109	31,759	55,214	474,054	342	5,610	218,083	11,081	648.0	25.6	461.2	135,804	184,915
1940	110.9	12,098	2,044	15,524	29,533	54,892	387,183	344	5,235	189,508	8,845	407.9	47.6	390.1	102,383	151,944
1939	114.1	11,749	2,001	14,567	24,465	53,871	346,344	343	5,198	180,828	7,709	396.5	55.3	328.6	103,753	167,697
1938	111.8	11,908	1,981	20,470	23,131	56,340	351,190	345	5,015	171,842	6,463	234.5	57.1	257.6	96,660	147,755
1937	109.4	11,684	1,689	23,541	26,235	58,748	482,138	341	5,303	170,171	8,769	380.8	64.2	320.6	102,895	149,675
1936	111.0	11,181	1,732	14,621	24,414	51,812	449,994	348	5,172	159,076	7,085	406.1	67.5	277.6	103,784	161,858

See footnotes at end of table.

Series P 187-232. Physical Output of Selected Manufactured Commodities: 1860 to 1957—Con.

Year	Foods					Beverages		Tobacco products			Textiles				Leather goods	
	Wheat flour produced	Refined sugar produced	Coffee imported	Canned corn produced	Canned tomatoes produced	Fermented malt liquor produced	Distilled spirits produced	Manufactured tobacco and snuff produced	Cigars produced	Cigarettes produced	Raw cotton consumed	Wool consumed	Un-manufactured silk imports for consumption	Packaged rayon and acetate yarns produced	Men's leather shoes produced	Women's leather shoes produced
	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202
	Mil. bbl.	Mil. lb.	Mil. lb.	1,000 cases	1,000 cases	1,000 bbl.	1,000 tax gallons	Mil. lb.	Mil. lions	Mil. lions	1,000 bales	Mil. lb.	Mil. lb.	Mil. lb.	1,000 pairs	1,000 pairs
1885	106.4	10,891	1,745	21,471	26,985	45,229	349,772	843	4,685	140,147	6,080	417.5	72.4	257.5	99,525	145,281
1884	102.6	10,256	1,514	11,268	22,376	37,678	241,610	846	4,526	130,287	6,467	229.6	60.4	208.3	91,887	139,045
1883	97.2	11,132	1,574	10,198	20,461	9,798	123,405	842	4,300	115,087	6,898	317.1	73.0	213.5	85,821	130,742
1882	122.0	1,484	9,358	20,387	2,766	150,391	347	4,883	106,915	5,508	230.1	77.6	184.7	74,493	113,944	
1881	115.0	11,172	1,730	19,415	16,841	3,137	170,394	371	5,848	117,402	5,977	311.0	87.6	150.8	77,420	112,603
1880	123.6	12,376	1,585	15,692	29,015	3,681	197,221	372	5,894	124,193	6,911	263.2	80.6	127.3	77,147	112,629
1879	120.6	12,046	1,475	17,487	24,146	3,900	203,300	381	6,519	122,822	7,970	363.1	85.9	121.4	94,770	131,303
1877	122.0	1,447	14,497	14,576	4,200	170,500	386	6,373	109,131	7,614	333.2	74.4	97.2	90,970	123,753	
1876	116.2	1,419	10,847	22,425	4,400	185,507	396	6,519	100,260	7,996	354.1	72.7	75.5	95,328	116,259	
1926	116.2	1,482	19,069	16,140	4,900	203,800	411	6,499	92,523	7,260	342.7	65.6	62.7	86,644	110,447	
1925	117.5	12,972	1,269	24,320	33,747	5,100	167,500	414	6,463	82,712	6,852	349.9	63.1	51.0	86,546	104,782
1924	118.7	1,895	12,181	21,370	4,900	137,500	414	6,598	73,256	6,217	342.2	50.5	36.3	84,663	104,135	
1923	114.7	10,858	1,388	14,106	25,045	5,300	124,600	413	6,950	67,239	7,312	422.4	49.1	34.9	100,283	109,676
1922	113.8	1,220	11,419	19,695	6,300	82,200	420	6,722	56,413	6,549	406.5	50.1	24.1	89,984	105,368	
1921	97.2	9,586	1,304	8,843	6,857	9,200	87,900	387	6,726	52,770	5,409	44.9	15.0	69,458	101,474	
1920	130.4	1,248	15,040	19,405	9,200	101,300	413	8,097	48,091	6,762	29.3	10.1	95,000	106,000		
1919	122.5	9,478	1,256	13,550	18,453	27,700	100,800	424	7,072	58,855	6,224	44.3	8.3	95,000	106,000	
1918	115.4	1,014	11,722	27,111	50,300	178,800	497	7,054	47,528	7,685	32.3	5.8	100,283	109,676		
1917	115.8	1,218	10,803	25,735	60,800	286,100	483	7,560	36,323	7,658	36.0	6.5	89,984	105,368		
1916	118.7	1,132	9,130	22,433	58,600	253,300	466	7,042	26,203	7,279	32.0	5.8	69,458	101,474		
1915	119.2	1,137	10,124	14,457	59,800	140,700	442	6,599	18,945	6,009	30.8	3.9	98,000	80,900		
1914	115.0	8,617	975	9,789	25,984	66,200	181,900	441	7,174	17,944	5,885	25.5	2.4	98,000	80,900	
1913	113.6	8,274	845	7,283	24,250	65,300	193,600	444	7,572	16,530	5,786	27.8	1.8	100,283	109,676	
1912	110.8	7,904	938	13,109	23,936	62,200	187,600	435	7,044	14,239	5,368	24.7	1.1	89,984	105,368	
1911	110.8	7,350	796	14,301	16,642	63,300	183,400	424	7,049	11,700	4,705	20.7	0.4	69,458	101,474	
1910	107.2	7,817	797	10,063	15,764	59,500	163,900	447	6,810	9,782	4,799	21.5	1.1	98,000	80,900	
1909	107.5	6,986	1,126	5,787	18,750	56,300	139,900	431	6,668	7,880	5,241	22.1	2.4	98,000	80,900	
1908	109.8	6,479	926	6,779	19,595	58,800	133,900	408	6,489	6,838	4,493	18.6	1.6	100,283	109,676	
1907	111.5	6,451	930	6,654	22,051	58,600	174,700	388	7,302	6,345	4,974	15.6	1.1	89,984	105,368	
1906	109.5	6,433	844	9,137	14,733	54,700	150,100	391	7,148	5,502	4,877	16.7	1.1	89,984	105,368	
1905	105.4	5,699	859	13,019	9,517	49,500	153,300	368	6,748	4,477	4,523	15.4	1.1	89,984	105,368	
1904	104.7	5,963	1,074	11,163	14,539	48,300	139,500	354	6,640	4,170	3,981	16.4	1.1	89,984	105,368	
1903	111.8	5,467	940	4,861	17,335	46,700	148,200	351	6,806	3,959	4,187	11.5	1.1	89,984	105,368	
1902	109.1	5,725	901	4,191	15,810	44,600	132,800	348	6,232	3,647	4,080	13.6	1.1	89,984	105,368	
1901	108.4	5,156	1,028	5,028	7,227	40,600	128,600	314	6,139	3,503	3,604	12.2	1.1	89,984	105,368	
1900	105.8	4,858	741	6,486	9,385	39,500	109,200	301	5,566	3,870	3,637	8.1	1.1	89,984	105,368	
1899	104.0	4,578	852	6,366	12,246	36,700	100,200	295	4,910	4,367	3,672	11.7	1.1	89,984	105,368	
1898	100.3	4,107	781	4,315	9,661	37,500	83,700	275	4,459	4,843	3,472	8.4	1.1	89,984	105,368	
1897	95.7	4,241	737	2,787	6,767	34,500	64,300	297	4,136	4,927	2,841	10.0	1.1	89,984	105,368	
1896	96.5	3,957	621	2,539	5,845	35,900	90,000	261	4,048	4,967	2,500	4.9	1.1	89,984	105,368	
1895	93.6	3,961	634	2,992	6,888	33,600	81,900	274	4,099	4,238	2,984	9.1	1.1	89,984	105,368	
1894	93.7	4,231	601	3,278	10,971	33,400	92,200	269	4,164	3,621	2,300	7.8	1.1	89,984	105,368	
1893	92.5	4,050	535	4,184	7,337	34,600	131,000	251	4,341	3,661	2,416	4.4	1.1	89,984	105,368	
1892	92.1	3,896	601	3,417	5,502	31,900	118,400	274	4,675	3,282	2,847	7.8	1.1	89,984	105,368	
1891	86.3	4,069	574	2,837	5,660	30,500	117,800	271	4,422	3,137	2,604	7.1	1.1	89,984	105,368	
1890	83.3	3,233	481	1,523	5,280	27,600	111,100	253	4,229	2,505	2,518	4.6	1.1	89,984	105,368	
1889	80.8	3,170	534	1,726	5,022	25,100	91,100	246	3,787	2,413	2,309	5.8	1.1	89,984	105,368	
1888	79.5	3,048	507	3,437	5,580	24,700	71,700	209	3,668	2,212	2,205	5.4	1.1	89,984	105,368	
1887	79.5	3,014	423	2,276	4,720	23,100	79,400	226	3,662	1,865	2,050	4.8	1.1	89,984	105,368	
1886	75.7	2,949	521	1,675	3,921	20,700	81,800	210	3,462	1,607	2,095	4.8	1.1	89,984	105,368	
1885	74.0	2,912	534	1,062	2,362	19,200	76,400	207	3,294	1,080	1,637	3.9	1.1	89,984	105,368	
1884	72.5	2,732	494	1,000	2,362	19,000	76,500	172	3,373	920	1,814	3.4	1.1	89,984	105,368	
1883	70.8	2,466	488	17,800	75,300	194	3,232	844	2,038	8.3	1.1	89,984	105,368			
1882	67.8	2,368	484	17,000	107,300	159	3,118	599	1,849	1.1	1.1	89,984	105,368			
1881	65.6	1,940	426	14,300	119,500	172	2,806	595	1,866	1.1	1.1	89,984	105,368			
1880	64.3	1,988	396	13,300	91,400	146	2,510	533	1,501	1.1	1.1	89,984	105,368			
1879	61.9	1,709	438	11,100	72,900	136	2,217	371	1,457	1.1	1.1	89,984	105,368			
1878	59.8	1,778	325	10,200	57,300	125	1,923	210	1,459	1.1	1.1	89,984	105,368			
1877	56.5	1,693	349	9,800	61,400	123	1,816	157	1,314	1.1	1.1	89,984	105,368			
1876	56.1	1,583	267	9,900	58,600	124	1,776	113	1,256	1.1	1.1	89,984	105,368			
1875	54.4	1,642	360	9,500	62,700	124	1,828	59	1,098	1.1	1.1	89,984	105,368			
1874	53.6	1,638	283	9,600	69,600	124	1,835	35	1,213	1.1	1.1	89,984	105,368			
1873	51.3	1,526	292	9,600	71,200	118	1,755	28	1,116	1.1	1.1	89,984	105,368			
1872	49.2	1,454	289	8,700	69,400	112	1,578	24	1,147	1.1	1.1	89,984	105,368			
1871	49.0	1,413	308	7,700	57,000	107	1,353	20	1,027	1.1	1.1	89,984	105,368			
1870	47.9	1,196	272	6,600	72,600	102	1,183	16	797	1.1	1.1	89,984	105,368			
1869	46.8	1,254	235	17,000	107,300	159	3,118	599	1,849	1.1	1.1	89,984	105,368			
1868	44.9	1,149	235	17,800	75,300	194	3,232	844	2,038	1.1	1.1	89,984	105,368			
1867	44.3	841	220	17,000	107,300	159	3,118	599	1,849	1.1	1.1	89,984	105,368			
1866	42.8	886	175	14,300	119,500	172	2,806	595	1,866	1.1	1.1	89,984	105,368			
1865	42.5	733	126	14,300	119,500	172	2,806	595	1,866	1.1	1.1	89,984	105,368			
1864	42.4	565	105	14,300	119,500	172	2,806	595	1,866	1.1	1.1	89,984	105,368			
1863	42.5	607	101	14,300	119,500	172	2,806	595	1,866	1.1	1.1	89,984	105,368			
1862	42.4	590	94	14,300	119,500	172	2,806	595	1,866	1.1	1.1					

Series P 187-232. Physical Output of Selected Manufactured Commodities: 1860 to 1957—Con.

Year	Primary and fabricated metals							Construction materials			Transportation equipment				
	Steel ingots and castings produced					Rolled iron and steel produced	Tinplate consumption	Rails produced	Structural iron and steel shapes produced	Common and face brick produced	Locomotives produced	Railroad freight cars produced	Railroad passenger cars produced	Horse-drawn vehicles produced	
	Total	Bessemer	Open hearth	Crucible	Electric and all other									Farm wagons, trucks, and business vehicles	Carriages, buggies, and sulkeys
						203	204	205	206	207	208	209	210		
	Long tons	Long tons	Long tons	Long tons	Long tons	1,000 long tons	1,000 long tons	1,000 long tons	1,000 long tons	Billions	Number	1,000	Number	1,000	1,000
1957	100,638,373	2,209,944	90,765,857	7,662,572	76,685	4,395	1,168	7,674	6.66	---	96.6	---	705	---	---
1956	102,871,545	2,882,140	91,821,936	8,167,469	79,718	4,391	1,162	6,399	8.09	---	66.6	---	396	---	---
1955	104,496,488	2,963,854	94,070,893	7,461,742	80,944	4,019	1,096	5,657	7.90	---	37.5	---	886	---	---
1954	78,849,689	2,275,093	71,720,977	4,853,620	61,129	3,809	1,046	5,094	6.72	---	36.1	---	315	108	---
1953	99,651,535	3,442,594	89,708,771	6,500,171	76,735	3,932	1,769	5,837	5.87	---	83.8	---	386	---	---
1952	83,185,749	3,146,140	73,970,035	6,069,574	63,704	3,205	1,314	4,780	5.89	---	79.4	---	117	---	---
1951	93,928,436	4,366,916	83,184,391	6,377,129	73,135	3,513	1,655	5,668	6.63	---	96.0	---	179	---	---
1950	86,460,781	4,048,713	77,020,097	5,391,971	67,134	3,704	1,651	4,859	6.33	---	44.2	---	964	---	---
1949	69,623,371	3,523,800	62,722,146	3,377,426	54,359	2,909	1,697	4,171	5.52	---	95.2	---	933	---	---
1948	79,143,277	3,788,546	70,839,426	4,515,304	61,779	3,031	1,971	4,871	5.84	---	114.9	---	891	---	---
1947	75,798,278	3,779,056	68,637,315	3,381,906	59,109	2,800	2,179	5,007	5.14	---	96.2	---	861	218	---
1946	59,466,718	2,971,194	54,207,110	2,288,414	45,479	2,064	1,755	3,917	4.87	---	60.0	1,337	---	---	---
1945	71,162,186	3,844,034	64,231,788	213,086,343	53,403	2,053	2,158	3,988	2.29	3,213	54.5	---	931	---	---
1944	80,037,130	4,499,931	71,753,518	223,783,659	58,754	1,910	2,224	4,175	1.88	1,438	81.8	---	1,003	---	---
1943	79,318,314	5,022,761	70,198,039	130,4,097,384	56,511	1,514	1,899	4,085	1.92	1,164	75.0	---	685	---	---
1942	76,814,224	4,958,414	68,305,319	1,795,3,548,696	55,755	1,841	1,871	5,193	(*)	1,018	71.4	---	418	---	---
1941	73,963,624	4,980,421	66,419,302	2,065,2,561,836	55,647	2,779	1,721	5,111	(*)	1,107	83.0	---	349	---	---
1940	59,805,970	3,311,226	54,975,967	914,1,517,863	43,447	2,062	1,499	3,779	(*)	560	64.1	---	257	---	---
1939	47,141,709	2,999,032	43,223,036	831,918,810	34,882	2,088	1,172	2,999	4.73	355	25.5	---	276	52.4	.592
1938	28,349,991	1,880,661	25,964,300	6,505,024	21,044	1,383	623	1,859	3.53	346	17.1	---	434	---	---
1937	50,568,701	3,449,927	46,272,303	934,845,537	36,766	2,202	1,446	3,277	4.19	615	78.8	---	629	106.2	.900
1936	47,767,856	3,458,457	43,536,128	816,772,455	33,801	2,117	1,220	2,898	3.82	202	47.1	---	191	---	---
1935	34,092,594	2,835,031	30,715,429	642,541,492	23,965	1,752	712	1,750	2.28	205	8.8	---	205	98.3	1.01
1934	26,055,289	2,162,357	23,531,105	531,361,296	18,970	1,419	1,010	1,425	1.40	110	25.3	---	195	---	---
1933	23,232,347	2,428,791	20,381,672	681,421,203	16,735	1,674	416	1,109	1.29	63	2.2	---	7	52.8	1.07
1932	13,681,162	1,532,076	11,907,330	645,241,111	10,451	1,000	403	937	1.40	123	3.3	---	71	---	---
1931	25,945,501	3,023,446	22,509,566	1,547,410,942	19,176	1,375	1,158	2,062	3.22	222	13.6	---	290	27.48	.711
1930	40,699,483	5,035,459	35,049,172	2,253,612,599	29,513	1,547	1,873	3,512	5.11	1,134	76.7	---	1,481	---	---
1929	56,433,473	7,122,509	48,352,888	6,645,951,431	41,069	1,710	2,722	4,778	7.64	1,161	85.0	---	2,202	106.31	3.60
1928	51,544,180	6,620,195	44,113,956	7,769,802,260	37,663	1,590	2,647	4,096	8.83	747	47.5	---	1,462	---	---
1927	44,935,185	6,191,727	38,068,335	9,036,666,087	32,879	1,436	2,806	3,742	9.47	1,176	63.8	---	1,975	112.3	7.63
1926	48,293,763	6,934,568	40,691,979	15,493,651,723	35,496	1,534	3,218	3,912	9.96	1,770	91.3	---	2,800	---	---
1925	45,393,524	6,723,962	38,034,488	19,562,615,512	33,387	1,497	2,785	3,604	10.04	1,285	108.8	---	2,383	196.2	21.5
1924	37,931,939	5,899,590	31,577,350	22,473,432,526	28,086	1,259	2,433	3,284	9.19	2,036	115.3	---	2,491	---	---
1923	44,943,696	8,484,088	35,899,657	44,079,515,872	33,277	1,392	2,905	3,405	9.21	3,785	177.7	---	1,963	192.8	39.8
1922	35,602,926	5,219,298	29,308,983	28,606,346,039	26,452	1,214	2,172	2,719	7.32	1,534	67.7	---	1,096	---	---
1921	19,783,797	4,015,938	15,589,802	7,613,170,444	14,774	687	2,179	1,273	5.32	1,823	45.6	---	1,159	66.8	34.4
1920	42,132,934	8,883,087	32,671,895	72,265,505,687	32,348	1,220	2,604	3,307	5.64	3,672	75.6	---	903	---	---
1919	34,671,232	7,271,562	26,948,694	63,572,387,404	25,102	1,947	2,204	2,614	5.54	3,272	156.8	---	391	342.4	216
1918	44,462,432	9,376,236	34,459,391	115,112,511,693	31,156	1,215	2,541	2,850	3.91	6,475	108.0	---	1,572	---	---
1917	45,060,607	10,479,960	34,148,893	126,716,305,038	33,068	1,279	2,944	3,110	6.62	5,446	139.6	---	1,955	---	---
1916	42,773,680	11,069,039	31,415,427	169,522,32,380	32,380	1,009	2,855	3,030	8.40	4,075	129.4	---	1,802	---	---
1915	32,151,036	8,287,213	23,679,102	113,782,70,939	24,393	904	2,204	2,437	7.71	2,085	70.1	---	1,866	---	---
1914	25,513,030	6,220,846	17,174,684	89,869,27,631	18,370	887	1,945	2,031	7.96	2,235	98.1	---	3,366	534	538
1913	31,300,874	9,545,706	21,599,931	121,226,34,011	24,791	787	3,503	3,005	8.92	5,332	185.7	---	2,779	---	---
1912	31,251,303	10,327,901	20,780,723	121,517,21,162	24,657	883	3,328	2,846	9.37	4,915	126.4	---	2,818	---	---
1911	23,676,106	7,947,854	15,598,650	97,653,31,949	19,039	737	2,823	1,912	9.20	3,530	62.2	---	3,466	---	---
1910	26,094,919	9,412,772	16,504,509	122,303,55,335	21,621	777	3,636	2,267	9.92	4,755	170.8	---	4,288	---	---
1909	23,955,021	9,330,783	14,493,936	22,947,107,355	19,645	665	3,024	2,276	10.61	2,887	86.8	---	2,749	588	828
1908	14,023,247	6,116,755	7,836,729	63,631,6,132	11,828	584	1,921	1,083	8.40	2,342	68.0	---	1,637	---	---
1907	23,362,594	11,667,549	11,549,736	131,234,14,075	19,865	562	3,634	1,940	10.38	7,362	275.0	---	5,353	---	---
1906	23,398,136	12,275,830	10,980,413	127,513,14,380	19,588	622	3,978	2,119	10.64	6,952	233.4	---	3,084	---	---
1905	20,023,947	10,941,375	8,971,376	102,233,8,963	16,840	551	3,376	1,661	10.36	5,491	163.3	---	2,500	---	---
1904	13,859,887	7,859,140	5,908,166	83,391,9,190	12,013	524	2,285	949	9.10	3,441	60.8	---	2,144	644	937
1903	14,534,978	8,592,829	5,829,911	102,434,9,804	13,208	527	2,992	1,096	8.90	5,152	152.8	---	2,007	---	---
1902	14,947,250	9,138,363	5,687,729	112,772,8,386	13,944	419	2,948	1,300	8.93	4,070	162.6	---	1,948	---	---
1901	13,473,595	8,713,302	4,656,309	98,513,5,471	12,349	476	2,875	1,013	8.45	3,384	137.0	---	2,055	---	---
1900	10,188,329	6,684,770	3,398,135	100,562,4,862	9,487	440	2,386	815	7.49	3,153	115.6	---	1,636	---	---
1899	10,639,857	7,586,354	2,947,316	101,213,4,974	10,294	420	2,273	850	8.13	2,475	119.9	---	1,305	570	905
1898	8,932,857	6,609,017	2,230,292	89,747,3,801	8,513	394	1,981	702	6.16	1,875	99.8	---	699	---	---
1897	7,156,957	5,475,315	1,608,671	69,959,3,012	7,002	340	1,648	584	5.60	1,251	43.6	---	494	---	---
1896	5,281,689	3,919,906	1,298,700	60,689,2,394	5,516	280	1,122	496	5.97	1,175	51.2	---	474	---	---
1895	6,114,834	4,909,128	1,137,182	67,666,858	6,190	333	1,306	518	6.36	1,101	38.1	---	430	---	---
1894	4,412,032	3,571,313	784,936	51,702,4,081	4,642	289	1,022	360	---	695	17.0	---	516	---	---
1893	4,019,995	3,215,686	737,890	63,613,2,806	4,976	308	1,136	387	---	2,011	56.9	---	1,986	---	---
1892	4,927,581	4,168,435	669,889	84,709,4,548	6,166	287	1,552	454	---	2,012	98.1	---	2,195	---	---
1891	3,904,240	3,247,417	579,753	72,586,4,484	5,391	329	1,307	---	---	2,165	95.5	---	1,640	---	---
1890	4,277,071	3,688,871	513,232	71,175,3,793	6,023	329	1,885	---	---	2,300	103.8	---	1,654	---	---
1889	3,385,732	2,930,204	374,543	75,865,5,120	5,237	290	1,522	276	8.05	1,860	70.6	---	1,580	---	---
1888	2,899,440	2,511,161	314,318	70,279,3,682	4,617	298	1,								

PHYSICAL OUTPUT

P 187-232

Series P 187-232. Physical Output of Selected Manufactured Commodities: 1860 to 1957—Con.

Year	Primary and fabricated metals						Construction materials		Transportation equipment		Year	Construction materials, rails produced
	Steel ingots and castings produced					Tinplate consumption	Rails produced	Common and face brick produced	Railway freight cars produced	Railway passenger cars produced		
	Total	Bessemer	Open hearth	Crucible	Electric and all other							
	203	204	205	206	207	209	210	212	214	215		
Long tons	Long tons	Long tons	Long tons	Long tons	1,000 long tons	1,000 long tons	Billions	1,000	Number	1,000 long tons		
1875	889,799	835,283	8,080	35,180	11,256	91	708	-----	9.13	185	1866	885
1874	215,727	171,369	6,250	82,436	5,672	80	651	-----	4.63	256	1865	318
1873	198,796	152,368	3,125	31,059	12,244	97	795	-----	5.69	280	1864	299
1872	142,954	107,289	2,679	26,125	6,911	86	893	-----	8.69	387	1863	246
1871	78,214	40,179	1,785	31,250	-----	88	693	-----	1.78	185	-----	-----
1870	68,750	37,500	1,339	29,911	-----	-----	554	-----	-----	-----	1862	191
1869	31,250	10,714	893	19,648	-----	-----	530	2.80	-----	-----	1861	170
1868	26,786	7,589	-----	19,197	-----	-----	452	-----	-----	-----	1860	188
1867	19,648	2,679	-----	16,964	-----	-----	413	-----	-----	-----	-----	-----

Year	Transportation equipment—Con.		Refined petroleum products					Chemicals produced			Miscellaneous				
	Bicycles produced	Pneumatic tires and casings produced	Light products of distillation	Illuminating oils (kerosene)	Fuel oils	Lubricating oils	Paraffin wax	Superphosphate produced (100% APA)	Sulfuric acid	Soda ash	Mechanical refrigerators produced	Reed organs produced	Pianos produced	Phonographs produced	Radios and radio-phonograph combinations produced
Millions	Millions	Bil. gal.	Bil. gal.	Bil. gal.	Mil. gal.	Mil. gal.	1,000 short tons	Million short tons	Million short tons	1,000	1,000	1,000	1,000	Millions	
1957	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	2,455	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
1956	(¹)	(¹)	60.0	5.19	45.88	2,487	200.8	2,241	16.0	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
1955	(¹)	(¹)	57.7	4.92	42.96	2,345	197.6	2,272	16.0	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
1954	1.75	87.1	53.0	5.14	40.28	2,236	197.6	2,215	14.4	3.62	(¹)	(¹)	(¹)	(¹)	18.17
1953	-----	-----	53.2	5.17	41.08	2,207	185.9	2,147	14.0	-----	-----	-----	-----	-----	-----
1952	-----	-----	50.1	5.56	40.92	2,335	161.7	2,165	13.8	-----	-----	-----	-----	-----	-----
1951	-----	-----	47.9	5.70	39.70	2,582	179.6	2,044	18.4	-----	-----	-----	-----	-----	-----
1950	-----	-----	43.0	4.98	34.61	2,173	166.7	1,993	13.0	-----	-----	-----	-----	-----	-----
1949	-----	-----	40.4	4.29	32.16	1,906	119.6	1,892	11.4	-----	-----	-----	-----	-----	-----
1948	-----	-----	38.7	5.12	35.57	2,160	131.3	1,900	11.5	-----	-----	-----	-----	-----	-----
1947	2.88	102.7	35.3	4.64	31.92	2,174	135.3	1,857	10.6	3.14	3,975	-----	148.3	-----	21.06
1946	-----	-----	32.6	4.38	30.21	1,917	112.0	1,567	9.2	-----	-----	-----	-----	-----	-----
1945	-----	-----	33.5	3.40	30.19	1,758	108.9	1,447	9.5	-----	-----	-----	-----	-----	-----
1944	-----	-----	31.1	3.29	29.43	1,727	107.5	1,339	9.2	-----	-----	-----	-----	-----	-----
1943	-----	-----	25.5	3.04	26.41	1,624	100.8	1,273	8.4	-----	-----	-----	-----	-----	-----
1942	-----	-----	25.6	2.83	23.34	1,622	98.6	1,067	7.8	-----	-----	-----	-----	-----	-----
1941	-----	-----	29.5	3.05	22.33	1,661	89.2	955	6.8	-----	-----	-----	-----	-----	-----
1940	-----	-----	25.9	3.10	20.98	1,544	68.5	879	-----	-----	-----	-----	-----	-----	-----
1939	1.25	57.8	25.7	2.88	19.64	1,472	61.8	761	4.8	2.01	1,773	-----	111.2	-----	10.32
1938	-----	-----	23.9	2.71	18.76	1,295	58.2	685	-----	-----	-----	-----	-----	-----	-----
1937	1.13	53.4	24.0	2.74	19.27	1,483	69.4	805	4.9	2.32	2,324	-----	103.1	-----	7.78
1936	-----	-----	21.7	2.36	17.38	1,299	63.2	627	-----	-----	-----	-----	-----	-----	-----
1935	0.66	48.8	19.7	2.34	15.12	1,170	60.0	532	4.0	1.87	1,882	1.69	61.0	-----	5.69
1934	-----	-----	17.8	2.26	14.08	1,108	62.7	509	-----	-----	-----	-----	-----	-----	-----
1933	0.32	45.4	17.1	2.06	13.29	998	62.7	463	-----	1.65	1,160	-----	-----	-----	3.68
1932	-----	-----	16.8	1.84	12.38	942	61.4	307	-----	-----	-----	-----	-----	-----	-----
1931	0.26	49.1	18.6	1.78	14.15	1,121	63.6	478	3.8	1.51	1,050	1.28	50.9	-----	3.81
1930	-----	-----	18.7	2.07	15.65	1,436	73.0	794	-----	-----	-----	-----	-----	-----	-----
1929	0.31	69.8	18.6	2.35	17.99	1,448	84.2	-----	5.3	1.81	890	2.70	121.1	755	4.98
1927	0.26	63.6	13.4	2.22	15.4	1,382	94.3	-----	4.9	1.47	390	3.09	212.2	1,050	1.98
1925	0.30	58.8	11.3	2.37	14.6	1,361	89.8	-----	4.4	1.37	75	4.36	302.5	642	2.35
1923	0.49	45.4	7.8	2.24	12.0	1,151	69.5	-----	4.1	1.26	18	7.77	343.8	997	0.19
1921	0.22	27.8	5.4	1.94	9.75	949	58.4	-----	2.7	0.78	5	7.88	218.3	596	-----
1920	-----	-----	-----	-----	-----	-----	-----	863	-----	-----	-----	-----	-----	-----	-----
1919	0.47	32.8	4.1	2.31	7.77	822	68.0	-----	3.5	1.03	-----	26.4	387.9	2,230	-----
1914	0.30	8.0	1.5	1.94	3.73	518	57.5	-----	2.5	0.94	-----	40.5	323.0	514	-----
1909	0.17	-----	0.5	1.67	1.70	537	47.3	-----	1.7	0.65	-----	64.1	364.2	346	-----
1904	0.23	-----	0.3	1.36	0.36	815	39.7	-----	1.2	0.52	-----	113	261.2	-----	-----
1899	1.11	-----	0.3	1.26	0.31	170	38.7	-----	1.0	0.39	-----	107	171.5	151	-----
1890	-----	-----	-----	-----	-----	-----	-----	84.1	-----	0.47	-----	-----	-----	-----	-----
1889	-----	-----	0.165	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1880	-----	-----	0.075	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1870	-----	-----	-----	-----	-----	-----	-----	35	-----	-----	-----	-----	-----	-----	-----
1860	-----	-----	-----	-----	-----	-----	-----	12	-----	-----	-----	-----	-----	-----	-----

¹ Figures for 1915-1929 are for crop years ending June; all other figures are for calendar years. The 1914 crop-year figure is 114.2 million barrels. The 1929 calendar-year figure is 120.0 million barrels.

² Figures are for years ending June 30 and include data for Alaska and Hawaii.

³ Not available.

⁴ Includes small cigars.

⁵ Excludes small cigars.

⁶ Alcoholic content limited to 3.2 percent by weight from Apr. 7 to Dec. 5, 1933.

⁷ Includes 1,588,788 barrels produced prior to Apr. 7 (effective date of the act of Mar. 22, 1933).

Series P 233-249. Total Production Capacity of Selected Manufacturing Industries: 1887 to 1957

[In thousands of short tons unless otherwise stated. Capacity is usually rated as of January 1. See text for exception]

Year	Blast furnaces (pig iron)	Steel ingots and steel for castings ¹	Copper refining ²	Lead refining		Zinc refining ³	Aluminum ingots	Port-land cement	Crude petroleum refining	Coke		Carbon black	Sulfuric acid	Phosphatic fertilizers ⁴	Synthetic nitrogen	Rayon and acetate fibers	Paper and paper-board
				Silver-lead refineries	Smelters and refiners of Missouri lead					By-product (slot type)	Bee-hive						
	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249
									Millions 42-gal. bbls.								
1957	86,818	133,459	2,064	560	258	1,161	1,776	64,699	3,880	79,965	5,766	1,016	19,600	4,550	3,711	768	32,579
1956	85,485	128,868	2,064	628	258	1,110	1,589	58,562	3,151	79,676	6,285	990	18,600	4,690	3,631	750	30,926
1955	83,971	125,828	1,862	628	258	1,081	1,888	55,324	3,074	78,596	8,078	966	17,440	642	3,194	785	30,025
1954	82,001	124,330	1,896	628	258	1,094	1,811	54,050	2,923	78,258	10,073	975	15,970	4,329	2,474	826	29,089
1953	79,380	117,547	1,647	628	242	1,014	1,142	52,624	2,788	76,428	12,005	1,030	14,560	3,720	2,002	805	27,854
1952	73,782	108,588	1,599	628	238	995	846	52,156	2,677	74,228	18,859	942	14,220	3,432	1,955	745	26,789
1951	72,472	104,230	1,599	628	238	966	750	49,712	2,542	72,488	11,572	744	13,410	3,349	1,698	708	26,059
1950	71,560	99,988	1,557	628	238	986	633	48,000	2,444	73,710	8,672	758	13,000	2,896	1,565	641	25,048
1949	70,542	96,121	1,547	628	238	974	679	47,326	2,350	74,500	9,076	736	-----	-----	1,889	587	23,389
1948	67,439	94,233	1,557	658	238	1,000	676	46,362	2,208	72,549	8,844	743	-----	2,884	1,889	586	22,025
1947	65,709	91,241	1,585	658	238	1,000	762	45,086	2,033	71,118	8,427	668	-----	2,604	1,894	511	20,420
1946	67,341	91,891	1,720	737	238	1,100	785	45,108	1,940	71,399	8,095	663	-----	-----	1,884	446	20,282
1945	67,314	95,505	1,720	767	246	1,084	704	44,915	1,935	72,330	10,438	472	10,500	2,291	1,827	-----	19,260
1944	67,921	98,854	1,595	767	279	1,097	1,164	45,319	1,859	71,378	11,230	395	-----	-----	1,191	870	18,830
1943	64,188	90,589	1,563	767	(⁵)	1,069	771	46,669	1,789	64,555	10,409	380	-----	-----	797	-----	18,772
1942	60,607	88,887	1,561	767	861	950	891	46,416	1,809	62,562	11,210	313	-----	-----	455	-----	18,522
1941	57,775	85,158	1,549	845	318	787	246	47,707	1,722	62,220	(⁵)	317	-----	-----	390	-----	16,891
1940	55,724	81,619	1,572	851	317	1,313	188	48,142	1,689	62,955	(⁵)	313	-----	1,692	380	285	16,557
1939	56,326	81,829	1,642	851	317	1,346	131	48,071	1,646	61,272	(⁵)	317	-----	-----	375	243	16,191
1938	56,782	80,186	1,642	868	317	1,413	144	47,982	1,588	62,727	(⁵)	317	-----	-----	370	183	15,573
1937	55,557	78,148	1,642	809	317	1,368	133	48,035	1,568	62,076	(⁵)	261	-----	-----	359	180	14,458
1936	55,854	78,164	1,613	785	338	1,379	130	49,240	1,503	62,403	(⁵)	265	-----	-----	342	163	13,986
1935	57,098	78,452	1,624	799	338	1,489	130	49,389	1,481	62,757	(⁵)	240	-----	-----	341	-----	13,888
1934	57,248	78,128	1,624	895	417	1,489	132	50,645	1,430	63,050	(⁵)	235	-----	-----	341	-----	13,728
1933	56,511	76,767	1,612	823	417	1,458	134	51,006	1,420	62,645	(⁵)	227	-----	-----	347	-----	13,728
1932	57,949	76,898	1,612	781	417	1,424	132	51,108	1,465	63,491	(⁵)	249	-----	-----	357	-----	13,972
1931	58,979	75,328	1,630	775	417	1,447	125	50,768	1,439	61,468	(⁵)	270	-----	-----	261	-----	13,643
1930	57,855	71,042	1,528	771	407	1,491	113	48,676	1,374	60,167	(⁵)	263	-----	1,644	236	-----	13,704
1929	57,382	69,584	1,520	711	407	1,575	100	45,816	1,281	60,357	(⁵)	228	-----	-----	212	-----	12,938
1928	56,596	66,960	1,520	711	437	1,697	83	42,691	1,186	57,852	(⁵)	-----	-----	-----	116	-----	12,536
1927	58,701	65,344	1,490	-----	437	1,692	82	40,476	1,117	52,666	(⁵)	-----	-----	-----	66	-----	12,000
1926	57,288	62,925	1,375	-----	437	1,625	-----	36,389	1,041	48,184	(⁵)	-----	-----	-----	65	-----	11,623
1925	59,847	65,962	1,335	-----	427	1,478	-----	32,919	1,042	46,809	(⁵)	-----	-----	-----	55	-----	10,500
1924	59,006	64,137	1,318	-----	372	1,485	-----	30,429	1,027	45,058	(⁵)	-----	-----	-----	54	-----	9,725
1923	59,009	63,383	1,348	-----	372	1,409	-----	27,486	-----	43,763	(⁵)	-----	-----	-----	-----	-----	8,970
1922	58,786	63,135	1,348	-----	348	1,439	-----	26,693	770	43,854	-----	-----	-----	-----	-----	-----	8,614
1921	57,950	61,928	1,348	-----	342	1,439	-----	27,523	689	42,821	-----	-----	-----	-----	-----	-----	8,540
1920	56,249	60,220	1,384	-----	-----	-----	-----	25,209	559	38,200	49,300	-----	-----	1,447	-----	-----	7,671
1919	55,182	59,174	1,408	-----	-----	-----	63	25,869	473	33,700	51,000	-----	-----	-----	-----	-----	7,500
1918	53,701	57,083	1,408	-----	-----	-----	-----	25,709	433	25,900	53,000	-----	-----	-----	-----	-----	7,000
1917	51,368	53,914	1,244	-----	-----	-----	-----	25,132	-----	21,600	55,000	-----	-----	-----	-----	-----	-----
1916	50,438	49,266	946	-----	-----	-----	-----	24,402	-----	18,400	55,000	-----	-----	-----	-----	-----	-----
1915	49,734	44,454	889	-----	-----	-----	45	21,620	-----	16,600	56,300	-----	-----	-----	-----	-----	6,440
1914	49,723	42,678	884	-----	-----	-----	-----	21,620	-----	15,000	57,200	-----	-----	-----	-----	-----	-----
1913	48,448	-----	824	-----	-----	-----	-----	20,680	-----	12,800	57,900	-----	-----	-----	-----	-----	-----
1912	-----	-----	747	-----	-----	-----	-----	21,150	-----	10,200	53,900	-----	-----	-----	-----	-----	-----
1911	-----	-----	724	-----	-----	-----	-----	18,362	-----	8,600	59,100	-----	-----	-----	-----	1	-----
1910	-----	-----	644	-----	-----	-----	17	17,578	-----	(⁵)	58,200	-----	-----	943	-----	-----	5,293
1909	-----	-----	587	-----	-----	-----	-----	-----	-----	(⁵)	57,100	-----	-----	-----	-----	-----	-----
1908	-----	36,545	581	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1907	34,074	-----	568	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1906	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1905	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1904	27,262	26,919	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1901	23,961	23,276	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1900	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	386	-----	-----	2,782
1898	18,124	15,639	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1896	-----	18,236	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1895	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1894	-----	10,780	-----	-----	-----	-----	(⁵)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1892	-----	8,332	-----	-----	-----	-----	(⁵)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1891	-----	-----	-----	-----	-----	-----	(⁵)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1889	-----	7,195	-----	-----	-----	-----	(⁵)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
1887	-----	5,852	-----	-----	-----	-----	(⁵)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

¹ From open hearth, Bessemer, crucible, and electric furnaces.

² 1944-1957 includes electrolytic refining capacity plus Lake Superior and fire-refined; 1907-1943, electrolytic capacity only.

³ 1941-1957, slab zinc; 1926-1940, distillation and electrolytic zinc; 1921-1925, distillation zinc.

⁴ Available phosphoric oxide (P₂O₅).

⁵ Less than 500 tons.

VALUE OF OUTPUT

P 250-306

Series P 250-306. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939

[In millions of dollars]

Year	Total, all finished commodities	Perishable								Semidurable				
		Total	Food and kindred products		Cigars, cigarettes, and tobacco	Drug, toilet, and household preparations	Magazines, newspapers, misc. paper supplies, etc.	Fuel and lighting products		Total	Dry-goods and notions	Clothing and personal furnishings	Shoes and other footwear	House-furnishings
			Manufactured	Non-manufactured				Manufactured	Non-manufactured					
250	251	252	253	254	255	256	257	258	259	260	261	262	263	
1839	31,277.7	16,073.5							5,490.6					
1838	28,156.7	15,721.6							4,852.7					
1837	33,667.8	17,295.3	9,402.3	3,683.0	1,274.1	818.4	601.9	1,335.0	180.6	5,591.3	712.9	3,258.6	828.3	340.1
1836	30,248.1	16,239.0								4,775.8				
1835	26,744.7	14,571.7	7,884.9	3,183.6	1,096.4	727.7	527.2	952.2	199.7	4,937.6	576.0	3,039.1	693.4	273.7
1834	28,166.7	12,987.2								4,501.6				
1833	18,454.1	10,872.9	5,509.5	2,451.1	910.7	626.0	470.1	707.2	198.3	3,772.8	390.4	2,274.6	597.3	218.2
1832	17,727.8	10,754.9	5,183.0	2,408.1	1,006.6	624.4	492.6	830.6	209.5	3,526.1	317.5	2,188.4	546.3	187.5
1831	24,243.3	13,431.7	6,730.2	3,133.4	1,154.9	809.0	578.5	740.2	290.5	4,931.4	459.4	3,087.9	705.1	266.6
1830	31,260.7	16,590.5	8,497.5	3,996.8	1,141.8	891.0	644.8	1,052.2	366.8	6,069.4	574.4	3,767.8	860.3	347.8
1829	37,782.6	18,384.0	9,463.9	4,858.3	1,243.6	984.2	683.9	1,237.8	412.3	7,458.3	791.0	4,516.4	1,081.9	416.5
1828	35,892.9	17,911.1	9,111.7	4,466.9	1,168.7	932.3	661.6	1,153.3	416.4	7,383.2	769.1	4,385.6	1,074.9	401.5
1827	34,410.2	17,263.6	8,827.3	4,360.2	1,164.5	851.9	648.4	958.9	452.5	7,390.7	798.6	4,360.2	1,077.6	396.9
1826	35,856.6	17,784.6	9,039.8	4,467.4	1,127.2	783.3	638.8	1,220.7	513.4	7,295.6	803.5	4,186.6	1,078.9	438.1
1825	34,046.3	16,870.5	8,684.0	4,335.8	1,094.4	767.0	615.7	990.1	383.5	7,134.0	816.0	4,149.2	1,044.8	404.8
1824	30,957.7	15,573.6	7,981.3	3,948.0	1,073.2	718.6	563.0	781.3	508.2	6,401.4	700.7	3,743.9	1,061.7	358.4
1823	32,168.5	15,176.0	7,554.6	4,012.9	1,050.3	698.5	550.7	746.4	562.7	7,230.3	861.9	4,347.4	1,128.2	377.3
1822	27,393.8	14,059.4	6,837.6	3,843.0	1,002.1	624.6	499.9	888.4	363.9	6,313.9	681.5	3,865.4	993.0	307.1
1821	25,864.0	14,022.9	6,548.7	4,182.4	1,053.0	562.2	474.5	714.9	487.3	5,631.7	607.4	3,845.8	953.5	277.9
1820	37,285.2	19,236.2	10,301.4	4,696.3	1,195.5	765.6	675.9	1,044.8	556.8	7,872.8	903.6	4,382.8	1,368.2	390.5
1819	34,032.4	17,392.4	9,468.2	4,720.2	1,008.4	667.8	439.8	668.4	419.5	7,019.9	806.5	3,932.9	1,254.2	324.0
1819 ¹	33,265.3	17,215.5	9,312.4	4,709.0	1,000.0	660.1	458.7	630.7	444.5	6,770.2	890.9	3,817.9	1,187.6	212.0
1818	29,979.8	15,807.2	8,583.6	4,280.8	864.0	636.1	445.5	580.7	416.5	6,076.1	854.8	3,361.1	1,043.2	199.9
1817	24,545.5	13,174.1	6,925.7	3,907.2	629.5	511.5	407.5	425.7	366.9	4,790.6	620.8	2,622.7	863.4	156.7
1816	18,389.4	9,893.2	5,380.1	2,698.6	522.4	420.7	352.2	262.5	261.7	3,573.7	461.6	2,025.3	705.5	112.2
1815	18,986.1	8,079.8	4,342.1	2,310.3	478.6	381.0	255.6	141.7	220.5	2,635.7	317.0	1,533.9	520.6	85.8
1814	14,054.0	8,296.5	4,484.8	2,380.1	500.9	264.4	254.4	160.4	226.9	2,709.5	337.8	1,598.1	523.8	90.0
1813	14,632.8	8,230.2	4,441.9	2,315.9	506.8	294.9	243.9	191.3	235.3	2,900.2	348.6	1,721.6	583.8	95.5
1812	14,028.0	8,100.8	4,342.3	2,410.5	468.9	289.4	233.6	142.0	214.0	2,754.4	363.2	1,656.7	531.4	85.5
1811	12,749.4	7,491.3	3,980.1	2,235.7	460.4	278.8	211.3	119.1	205.9	2,571.4	326.3	1,560.0	500.8	80.0
1810	12,659.2	7,386.0	3,823.5	2,306.1	464.0	266.8	209.9	121.0	194.8	2,417.3	349.5	1,408.3	486.0	83.0
1809	11,825.3	6,922.1	3,617.7	2,112.5	430.6	250.3	210.6	124.7	175.8	2,447.0	368.0	1,459.7	467.9	75.0
1808	10,191.1	5,988.1	2,974.7	1,915.7	399.8	234.1	156.8	125.8	181.3	2,155.5	295.5	1,287.0	452.1	60.1
1807	11,524.3	6,452.7	3,389.7	1,886.9	405.2	249.3	196.7	128.5	196.5	2,310.1	375.5	1,335.4	454.4	68.2
1806	10,752.5	5,912.7	3,121.0	1,719.6	398.1	225.4	184.3	102.9	161.3	2,244.2	348.2	1,314.7	448.9	69.5
1805	9,451.0	5,403.6	2,856.7	1,540.0	357.2	215.8	172.5	94.4	167.0	1,925.3	318.3	1,099.7	395.9	55.7
1804	8,734.3	5,167.7	2,601.5	1,614.9	339.2	182.3	159.7	109.2	160.8	1,746.5	285.1	992.6	368.9	52.9
1803	8,702.1	5,012.7	2,516.7	1,518.9	346.0	183.1	154.2	111.5	182.3	1,734.7	302.1	981.8	352.5	53.9
1802	8,227.5	4,764.7	2,403.1	1,519.3	325.1	174.0	151.3	89.7	102.2	1,613.8	298.7	892.8	325.9	53.2
1801	7,782.2	4,620.5	2,365.0	1,420.9	327.9	155.2	134.9	84.7	132.0	1,528.5	271.1	837.9	327.4	49.4
1800	7,120.8	4,100.8	2,083.9	1,249.1	304.0	136.2	122.3	100.8	105.0	1,465.7	271.9	817.4	289.8	49.8
1899	6,586.2	3,820.9	1,955.5	1,160.9	267.4	134.6	113.0	87.7	101.8	1,374.4	255.8	743.7	292.9	42.5
1898	5,708.0	3,431.7	1,707.9	1,121.4	226.9	122.4	103.2	63.9	86.0	1,175.8	227.4	608.2	261.9	35.9
1897	5,376.1	3,222.6	1,633.7	1,032.1	197.3	115.6	92.6	62.4	89.0	1,154.0	232.8	596.8	246.3	35.7
1896	5,003.4	2,944.0	1,436.2	927.5	193.0	112.7	90.0	92.8	91.9	1,064.6	215.5	549.5	228.9	35.5
1895	5,227.2	3,119.1	1,443.7	1,079.0	202.4	111.3	94.1	95.8	92.9	1,114.7	265.7	542.2	236.0	36.4
1894	4,752.3	2,916.3	1,337.9	1,012.3	218.1	102.9	92.9	61.9	90.3	970.9	209.9	478.1	228.0	32.4
1893	5,500.4	3,314.4	1,555.3	1,182.7	218.5	104.9	98.3	54.0	100.7	1,124.2	259.4	566.9	233.6	35.9
1892	5,331.3	2,908.8	1,251.4	1,062.3	230.5	104.7	109.3	52.1	98.5	1,255.8	297.2	632.8	263.8	37.0
1891	5,284.3	2,964.9	1,308.5	1,079.2	226.6	97.9	101.2	62.7	88.9	1,196.9	289.3	603.3	244.2	35.3
1890	5,002.2	2,705.3	1,155.5	991.4	215.4	90.1	97.3	75.4	80.2	1,196.0	299.6	538.8	249.8	34.5
1889	5,080.4	2,905.7	1,434.3	956.6	202.5	81.6	93.9	59.5	77.2	1,132.9	281.7	560.8	236.1	32.1
1879	3,441.7	1,996.1	962.9	716.5	119.7	40.4	61.5	39.7	55.5	828.2	263.1	358.2	173.7	16.2
1869	2,813.3	1,594.2	673.1	699.1	74.7	37.7	30.6	29.4	49.7	665.4	224.5	229.8	185.3	12.8

¹ Does not agree with source, which is in error.

² Shaw's estimates for 1869-1919; Kuznets' estimates adjusted by Shaw for 1919-1939. See source, p. 104, for explanation.

³ Agrees with source; however, figures for components do not add to total shown.

Series P 250-306. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

Year	Semidurable—Con.			Consumer durable										
	Toys, games, and sporting goods	Tires and tubes	Total	Household furniture	Heating and cooking apparatus, etc.	Electrical household appliances and supplies	Radios	House-furnishings	China and household-utensils	Musical instruments	Jewelry, silver-ware, clocks, and watches	Printing and publishing books	Luggage	Passenger vehicles, motor
	264	265	266	267	268	269	270	271	272	273	274	275	276	277
1939			4,973.1											
1938			3,747.3											
1937	190.2	261.2	5,742.1	478.7	341.0	332.6	218.0	640.9	241.6	52.0	272.6	161.6	42.5	2,212.9
1936			5,158.0											
1935	140.3	215.1	4,256.8	323.7	237.5	217.8	167.4	468.3	204.8	31.5	189.5	131.1	31.0	1,688.3
1934			3,307.2											
1933	95.8	196.7	2,321.3	226.9	147.1	110.3	98.0	311.6	150.4	24.1	116.0	92.1	19.1	725.3
1932	96.9	194.5	2,047.4	205.4	123.0	82.2	94.2	252.0	138.9	35.0	108.5	102.9	18.4	603.2
1931	149.1	273.4	3,251.9	333.2	206.2	144.4	154.7	373.6	185.9	48.7	178.8	141.5	29.4	1,074.1
1930	182.2	336.9	4,272.6	441.4	254.2	160.0	230.6	402.7	196.4	108.4	263.8	174.3	44.5	1,538.0
1929	214.6	437.8	6,312.0	600.4	347.3	176.7	366.0	643.3	274.0	111.9	402.7	192.3	70.3	2,567.0
1928	200.9	551.0	5,936.1	629.3	314.2	152.7	298.7	627.5	275.7	148.6	396.3	179.7	67.9	2,294.9
1927	182.5	574.9	5,435.8	625.5	339.4	146.3	181.5	584.7	229.3	176.2	387.6	172.1	65.9	1,967.8
1926	177.2	616.3	6,109.0	638.2	364.3	137.5	206.7	591.6	271.6	189.3	398.9	155.4	66.4	2,504.3
1925	164.2	555.1	5,785.7	622.9	346.1	106.3	168.2	604.0	240.1	178.6	384.3	149.8	66.4	2,340.2
1924	154.6	437.8	5,034.3	614.0	322.2	83.4	139.3	547.1	181.5	178.5	363.9	145.0	57.8	1,922.5
1923	167.1	348.3	5,366.7	578.9	322.0	76.3	50.3	600.0	239.0	215.1	388.1	130.7	69.2	2,188.8
1922	131.1	335.8	4,056.5	501.1	239.2	58.6	26.9	470.0	167.7	187.7	327.0	124.9	52.6	1,546.1
1921	124.1	323.5	3,270.3	466.6	186.5	63.2	12.2	374.6	166.8	166.4	263.1	122.0	51.0	1,115.5
1920	148.8	678.9	4,899.3	620.5	345.6	82.8	17.0	574.8	265.7	264.2	383.2	140.0	78.2	1,623.3
1919	155.8	546.6	4,075.6	509.0	242.5	65.1	14.3	430.2	201.7	242.0	427.8	128.2	70.4	1,292.6
1918	146.4	515.4	3,921.2	494.7	263.5	84.5		375.2	230.1	248.3	409.7	127.4	64.2	1,286.9
1917	125.8	491.3	2,646.9	329.0	216.8	67.5		320.1	197.6	144.2	194.9	99.2	52.2	762.7
1916	193.5	329.1	2,799.0	300.6	194.2	58.8		288.6	221.7	134.7	219.2	89.8	36.7	996.7
1915	118.0	156.1	2,396.1	271.7	142.5	41.2		284.9	160.9	116.2	221.7	76.7	39.6	873.7
1914	78.5	104.9	1,700.2	212.3	119.4	23.7		181.4	126.1	90.2	144.1	78.3	25.9	537.8
1913	67.1	92.7	1,570.4	222.5	110.5	18.8		190.7	125.9	91.6	154.6	68.1	26.5	399.6
1912	64.0	86.6	1,675.1	236.7	124.9	22.2		209.3	130.2	104.4	156.0	77.8	34.0	372.8
1911	59.3	58.3	1,538.4	220.5	131.5	19.7		199.1	122.4	95.2	190.9	66.3	33.9	311.3
1910	58.7	45.5	1,339.2	204.1	104.1	15.7		187.5	116.7	81.3	186.1	59.1	36.1	209.2
1909	54.4	36.0	1,381.6	202.4	97.3	16.3		195.7	114.1	77.6	186.1	60.3	32.8	203.8
1908	52.9	23.4	1,212.8	192.0	98.8	11.8		184.2	102.9	76.8	175.9	62.9	28.5	154.3
1907	43.3	17.5	1,011.0	152.6	84.2	7.7		147.1	93.6	63.0	128.6	53.8	23.6	132.2
1906	60.9	15.6	1,178.1	185.1	101.2	10.2		182.8	120.7	87.8	180.9	56.8	27.7	89.6
1905	50.4	12.5	1,129.5	190.3	103.4	8.0		185.8	122.6	81.2	174.0	55.9	23.9	62.7
1904	46.3	9.3	954.8	160.8	85.8	4.7		156.7	108.7	71.1	144.1	56.7	20.1	35.6
1903	41.3	5.7	826.9	142.4	73.6	3.3		146.2	91.7	57.7	120.9	53.6	18.9	21.4
1902	40.1	4.3	825.7	139.2	78.8	3.8		152.5	90.8	65.1	120.5	51.5	15.8	11.3
1901	37.8	5.5	786.3	129.4	78.6	3.2		146.8	78.5	57.2	117.0	49.2	14.9	9.3
1900	36.5	6.2	718.9	118.7	70.7	2.6		128.8	73.5	48.8	103.6	47.4	13.1	7.8
1899	29.0	7.8	658.7	106.9	61.9	2.4		126.8	69.5	42.4	100.0	44.3	12.0	6.0
1898	27.0	12.7	634.3	104.1	59.2	1.9		115.6	60.9	34.2	97.1	45.0	12.6	4.2
1897	23.4	19.0	528.9	89.4	46.3			95.4	52.0	27.8	74.0	40.8	8.8	
1896	24.8	18.1	506.5	88.4	50.7			96.0	51.0	24.5	63.6	33.7	8.8	
1895	25.4	9.8	475.2	90.2	45.6			90.6	51.0	22.8	58.5	34.6	9.2	
1894	26.4	7.9	497.7	94.0	35.5			102.6	45.9	27.9	69.2	35.6	8.9	
1893	22.4		429.3	82.4	31.0			88.9	39.3	19.9	58.3	28.4	11.1	
1892	23.4		496.3	100.2	35.3			100.1	43.5	23.2	71.7	34.3	12.9	
1891	25.0		579.3	115.0	38.9			112.6	52.9	34.6	90.3	34.9	15.6	
1890	24.8		556.8	100.5	39.1			114.9	51.7	33.0	86.7	33.4	13.9	
1889	23.3		538.7	95.3	37.9			108.9	49.3	32.9	90.2	33.9	13.4	
1888	22.3		499.2	93.4	38.9			97.6	46.4	28.2	74.5	34.7	10.7	
1879	17.0		304.3	65.2	23.0			56.7	31.2	14.3	43.8	19.1	7.1	
1869	13.0		262.7	58.5	26.4			40.1	26.0	10.8	41.6	8.4	7.7	

* Shaw's estimates for 1869-1919; Kuznets' estimates adjusted by Shaw for 1919-1939. See source, p. 104, for explanation.

VALUE OF OUTPUT

P 250-306

Series P 250-306. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

Year	Consumer durable—Con.						Producer durable								
	Motor vehicle accessories	Passenger vehicles (horse drawn) and accessories	Motor-cycles and bicycles	Pleasure craft	Ophthalmic products and artificial limbs	Monuments and tombstones	Total	Industrial machinery and equipment	Tractors	Electrical equipment, industrial and commercial	Farm equipment	Office and store machinery and equipment	Office and store furniture and fixtures	Locomotive and railroad cars	
	278	279	280	281	282	283	284	285	286	287	288	289	290	291	
1939							4,740.5								
1938							8,885.1								
1937	594.6		30.8	25.4	70.9	26.0	5,089.1	1,888.7	228.7	678.8	668.5	204.9	176.8	119.1	
1936							4,085.3								
1935	468.6		16.8	14.1	50.1	21.3	2,978.6	1,126.0	183.3	861.2	845.3	140.6	111.1	83.0	
1934							2,370.7								
1933	228.2		7.5	4.8	39.1	20.8	1,487.1	577.1	12.6	200.9	78.8	78.8	70.3	13.6	
1932	211.9		4.6	9.3	32.0	25.7	1,399.4	525.8	15.8	215.5	70.9	78.5	74.9	37.0	
1931	278.1		7.7	16.8	40.3	43.6	2,628.3	988.2	19.6	499.5	163.4	116.5	151.7	78.0	
1930	826.1		9.2	24.6	48.3	54.9	4,328.2	1,457.8	95.4	722.2	388.5	165.8	208.5	352.7	
1929	407.6		10.6	26.2	52.1	63.6	5,628.4	2,017.2	121.8	1,000.1	386.5	217.8	288.7	347.6	
1928	411.7		12.0	17.4	45.7	61.0	4,662.5	1,644.1	104.1	895.0	356.5	213.6	245.8	245.8	
1927	419.8		10.1	17.8	49.7	61.9	4,320.2	1,476.0	91.3	741.2	340.4	201.2	249.0	318.5	
1926	440.2		11.9	22.4	46.6	63.8	4,667.5	1,606.8	87.4	776.4	355.4	200.1	242.3	399.3	
1925	444.3		11.3	15.0	46.6	66.8	4,256.0	1,486.4	70.3	666.2	306.5	196.4	236.1	353.1	
1924	387.2		13.0	14.0	48.6	66.4	3,948.5	1,303.8	52.1	655.0	265.9	179.2	229.5	481.1	
1923	355.8		16.3	12.1	58.5	65.6	4,395.5	1,510.9	63.5	598.1	315.5	182.0	201.3	635.5	
1922	248.4		8.9	6.2	48.6	47.6	2,964.0	1,085.2	43.4	415.8	160.7	132.4	136.8	265.6	
1921	169.5		10.2	9.4	46.6	46.9	2,939.1	922.8	49.6	406.6	248.1	114.0	115.5	313.6	
1920	318.4		20.8	14.7	67.8	82.3	5,277.0	1,635.8	197.4	557.9	270.6	160.6	135.1	563.3	
1919	282.6		24.0	13.9	58.2	78.4	5,544.5	1,434.3	171.6	480.8	394.6	156.4	100.3	560.7	
1918	168.0	26.4	19.0	5.1	45.0	78.4	5,358.4	1,440.5	152.6	865.7	343.8	125.4	86.4	460.9	
1917	95.8	35.3	18.9	1.5	71.1	50.0	5,449.7	1,575.8	186.6	389.9	301.8	157.8	65.7	784.0	
1916	120.5	38.8	16.7	3.3	36.5	42.3	3,781.8	1,358.1	50.7	325.2	250.0	140.5	61.3	610.6	
1915	104.0	31.0	16.3	4.0	23.9	37.9	2,526.3	996.0	25.8	253.9	237.1	98.8	51.6	363.4	
1914	61.0	30.5	13.3	3.4	20.2	37.5	1,570.4	586.8	22.7	160.2	205.1	63.0	43.3	142.2	
1913	49.9	35.6	16.2	3.6	15.5	41.0	1,477.6	480.2	16.7	147.0	187.8	50.9	50.8	208.2	
1912	46.1	40.1	21.9	4.1	12.3	42.1	1,827.3	543.4	4.4	177.1	202.4	55.4	54.3	422.5	
1911	39.3	41.6	12.0	3.9	10.6	40.3	1,634.5	517.1	8.1	162.1	187.3	50.2	54.2	303.4	
1910	26.3	45.9	9.4	4.3	10.9	42.4	1,347.6	476.6		133.5	168.2	48.7	48.7	151.7	
1909	26.9	53.3	7.3	4.4	10.7	42.6	1,524.2	512.4		144.4	170.6	48.4	50.1	208.3	
1908	21.1	49.8	5.6	4.3	10.5	38.4	1,243.4	446.9		111.2	166.5	40.1	48.6	127.0	
1907	17.3	48.8	4.9	3.4	9.3	40.9	1,086.5	331.2		83.2	187.7	27.9	40.4	137.1	
1906	11.3	63.8	6.5	6.1	9.4	38.3	1,538.5	510.9		127.5	161.6	42.7	49.1	351.2	
1905	7.8	62.4	4.9	4.3	7.9	34.5	1,466.1	504.6		119.9	160.5	38.8	50.7	299.4	
1904	4.3	61.2	5.4	3.8	7.1	28.7	1,167.3	404.7		84.9	130.2	28.0	4.31	214.3	
1903	2.5	57.8	2.5	3.1	5.6	25.7	993.2	327.1		75.9	125.2	20.3	38.2	162.7	

Year	Consumer durable—Con.					Producer durable—Con.						
	Passenger vehicles (horse drawn) and accessories	Motor-cycles and bicycles	Pleasure craft	Ophthalmic products and artificial limbs	Monuments and tombstones	Total	Industrial machinery and equipment	Electrical equipment, industrial and commercial	Farm equipment	Office and store machinery and equipment	Office and store furniture and fixtures	Locomotive and railroad cars
	279	280	281	282	283	284	285	287	288	289	290	291
1903	56.7	4.2	3.6	5.8	25.9	1,129.0	405.9	91.9	120.2	23.9	37.8	194.6
1902	58.8	6.4	3.5	5.7	27.9	1,062.7	371.3	80.6	152.9	21.9	33.6	157.8
1901	64.1	7.7	3.7	5.2	23.2	914.3	330.3	68.5	110.4	18.9	30.2	127.4
1900	50.1	10.5	2.7	4.7	18.4	895.6	347.6	68.2	100.6	19.7	27.2	130.0
1899	53.5	18.9	2.1	4.8	20.3	756.6	267.5	56.1	99.4	14.3	24.2	114.1
1898	43.5	27.8	1.4	4.3	17.5	571.6	194.9	34.3	85.6	10.6	21.4	82.1
1897	40.9	27.0	1.2	4.0	16.6	492.9	182.3	24.4	58.4	9.7	21.8	67.7
1896	39.3	14.9	1.2	3.8	13.4	519.6	209.8	20.5	46.6	11.6	22.5	75.2
1895	45.2	14.1	1.3	3.7	13.8	495.7	193.1	20.0	59.3	10.7	23.7	53.7
1894	50.9		1.0	3.3	14.9	435.7	157.7	15.8	58.7	8.6	21.2	47.4
1893	58.5		1.4	3.3	11.9	565.5	184.9	16.6	71.2	9.5	26.1	104.1
1892	63.3		1.5	3.2	16.6	587.4	196.5	22.7	75.4	9.8	30.1	90.9
1891	62.4		1.6	2.9	16.7	565.7	185.5	23.7	75.3	9.0	26.8	87.6
1890	60.4		1.5	2.6	17.3	562.2	185.6	21.8	89.0	8.7	25.8	81.5
1889	54.0	1.9	1.5	2.3	15.2	542.6	184.5	13.1	83.9	8.2	25.6	87.3
1879	35.1		.9	.8	7.5	313.1	98.6	1.9	67.3	3.6	15.9	36.3
1869	35.7		.6	.4	6.6	291.0	110.4		50.0	3.1	13.6	40.8

¹ Shaw's estimates for 1869-1919; Kuznets' estimates adjusted by Shaw for 1919-1939. See source, p. 104, for explanation.

² Agrees with source; however, figures for components do not add to total shown.

Series P 250-306. Value of Output of Finished Commodities and Construction Materials Destined for Domestic Consumption at Current Producers' Prices, and Implicit Price Indexes for Major Commodity Groups (Shaw): 1869 to 1939—Con.

[In millions of dollars]

Year	Producer durable—Con.							Construction materials			Implicit price index (1913 = 100)				
	Ships and boats	Business vehicles, motor	Business vehicles (horse drawn)	Air-craft	Professional and scientific equipment	Car-penters' and mechanics' tools	Misc. sub-sidiary durable equip-ment	Total	Manu-factured	Non-manu-factured	Perish-able	Semi-durable	Consumer durable	Producer durable	Construc-tion materials
	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306
1939								3,701.6			110.6	123.1	92.1	110.4	159.0
1938								3,159.0			114.6	122.7	92.8	112.8	159.0
1937	128.6	496.6		48.4	49.8	95.8	269.9	3,945.8			126.4	132.6	91.9	112.1	167.3
1936								3,381.5			122.6	120.6	90.8	102.0	152.2
1935	48.2	359.3		19.1	36.4	66.8	198.8	2,375.0			122.4	119.2	93.6	99.6	149.8
1934								1,909.9			107.8	120.6	98.5	107.6	151.4
1933	30.4	159.0		16.5	32.0	49.1	168.1	1,536.1			95.0	105.0	96.8	104.6	136.0
1932	49.7	125.5		14.1	31.7	31.0	129.0	1,362.7			96.7	98.6	98.0	112.9	126.8
1931	82.0	247.0		30.0	48.6	53.9	199.9	2,552.1			114.1	109.2	99.8	117.2	140.2
1930	94.9	373.0		28.8	91.6	99.8	304.7	3,779.8			135.1	122.0	104.3	125.6	158.4
1929	78.2	510.8		58.0	109.6	124.6	369.7	5,007.5			147.4	130.7	106.4	131.1	167.8
1928	60.4	318.8		51.1	92.1	131.6	304.9	4,793.8			150.0	131.7	105.4	136.5	165.6
1927	70.8	302.3		19.4	37.7	104.2	318.4	4,845.2			146.9	137.4	104.0	138.5	166.6
1926	36.5	377.2		17.6	36.5	110.2	321.9	5,111.5			154.3	150.4	98.8	138.4	175.6
1925	55.7	389.6		10.5	74.9	109.8	300.4	4,950.4			154.3	160.0	103.8	135.0	178.5
1924	67.4	323.4		10.9	66.0	106.4	208.0	4,465.3			143.5	164.9	108.5	134.8	179.5
1923	73.1	321.8		11.5	64.7	115.4	302.1	4,647.3			147.7	177.6	108.2	138.7	190.4
1922	98.6	237.2		8.8	51.7	87.8	245.1	3,568.9			141.2	163.2	113.4	135.2	170.7
1921	272.7	170.4		6.1	48.8	62.1	208.6	2,956.7			146.5	178.8	139.8	164.5	172.2
1920	808.1	332.9		8.7	74.8	128.7	408.0	4,777.1			213.4	265.6	157.8	181.0	262.0
1919 ¹	1,361.3	344.3		10.0	62.0	120.6	347.6	3,508.1			196.5	219.0	134.5	184.1	202.7
1919 ²	1,369.5	344.0	42.5	8.4	74.5	174.8	349.3	3,703.2	3,224.5	478.7	199.9	212.4	136.4	185.0	202.7
1918	805.3	417.0	50.6	174.7	119.2	210.6	360.7	3,217.5	2,824.6	392.8	182.8	206.2	121.9	175.7	174.5
1917	243.8	189.1	51.1	21.3	57.0	131.7	291.6	3,058.6	2,702.9	355.7	161.1	161.0	100.8	145.5	154.9
1916	108.7	111.6	37.4	1.4	32.5	97.5	205.6	2,827.8	2,309.5	318.2	120.6	117.6	90.4	120.5	119.0
1915	66.8	68.6	34.0	.6	29.4	57.0	140.6	2,010.7	1,732.9	277.8	103.7	96.5	90.3	106.4	94.6
1914	43.5	36.2	36.9	.2	23.7	49.6	171.0	2,043.8	1,758.7	285.2	101.4	96.5	94.4	100.3	93.1
1913	47.6	47.1	39.9	.2	17.7	53.6	161.7	2,384.4	2,083.2	301.2	100.0	100.0	100.0	100.0	100.0
1912	44.4	49.9	41.9	.3	14.2	48.5	152.8	2,154.1	1,854.9	299.2	102.8	98.6	66.2	97.6	97.9
1911	42.7	25.9	44.2		13.4	41.9	147.1	1,942.8	1,655.4	287.4	96.2	97.4	95.8	99.1	97.0
1910	40.8	12.5	43.3		12.6	49.1	151.6	2,049.7	1,728.0	321.7	100.0	100.9	93.5	95.3	97.6
1909	38.2	7.3	43.0		12.4	47.7	154.6	1,992.5	1,686.7	305.8	96.9	99.3	90.4	94.3	94.8
1908	34.4	3.5	40.2		8.0	35.7	157.4	1,820.1	1,513.9	306.3	92.3	96.0	96.6	93.3	93.3
1907	66.3	2.3	49.5		11.8	52.7	157.9	2,111.5	1,770.1	341.4	89.7	102.6	97.7	93.6	101.0
1906	54.8	1.8	46.2		10.7	43.4	135.2	1,911.1	1,622.8	288.3	84.9	98.2	89.1	90.6	96.6
1905	55.6	1.5	43.1		8.2	37.9	115.6	1,578.1	1,334.0	244.1	86.9	90.5	85.3	89.7	87.0
1904	53.6	1.4	38.9		6.4	34.7	108.7	1,394.3	1,167.3	227.0	85.5	86.0	83.5	88.8	81.7
1903	61.3		37.6		7.8	37.7	110.4	1,447.4	1,218.9	228.4	83.3	86.0	82.7	86.2	84.5
1902	60.8		37.9		7.5	35.7	102.8	1,493.6	1,270.6	223.0	84.1	83.5	79.9	89.7	82.5
1901	64.7		40.2		5.0	29.2	89.5	1,306.3	1,119.2	187.1	79.6	81.9	77.5	88.9	80.7
1900	46.9		31.4		5.3	26.9	91.8	1,222.7	1,046.8	175.8	80.2	86.7	77.0	90.0	85.8
1899	36.1		32.5		4.0	24.5	83.9	1,006.3	855.7	150.6	75.4	81.0	70.0	83.1	80.7
1898	24.4		25.9		3.2	19.8	69.4	937.8	795.8	141.9	74.9	77.3	67.5	82.5	69.9
1897	20.7		24.2		2.7	16.8	64.2	963.4	821.0	142.4	72.0	75.5	63.0	75.9	67.1
1896	20.8		23.0		3.2	18.6	67.9	880.3	751.4	128.9	70.9	75.5	63.8	66.1	71.8
1895	22.7		25.7		3.0	19.1	64.8	1,033.2	881.2	152.0	75.0	77.1	67.4	72.2	70.7
1894	17.8		23.4		2.5	16.6	61.0	1,004.1	867.0	137.1	76.3	80.5	72.8	78.2	71.6
1893	23.9		32.1		3.0	22.5	71.7	1,074.3	933.1	141.3	84.7	90.5	74.8	78.4	75.4
1892	24.9		34.1		3.5	24.6	74.9	1,335.5	1,164.8	170.7	79.8	92.6	79.2	80.0	75.9
1891	26.9		33.5		3.2	24.7	69.5	1,076.0	940.0	136.0	84.8	92.6	82.1	81.1	80.2
1890	24.6		32.0		3.2	23.6	66.5	1,216.5	1,070.5	146.1	86.1	94.9	82.3	87.7	84.3
1889	24.7		28.4		2.9	20.8	63.3	838.9	712.2	126.7	88.3	95.6	81.9	83.2	85.0
1879	19.4		18.0		1.6	13.4	37.1	444.2	365.9	78.3	86.6	102.2	83.2	95.4	81.4
1869	11.5		18.1		1.6	10.5	31.4	377.4	324.8	52.6	141.2	158.5	119.4	163.8	107.4

¹ Does not agree with source, which is in error.

² Shaw's estimates for 1869-1919; Kuznets' estimates adjusted by Shaw for 1919-1939. See source, p. 104, for explanation.

³ Agrees with source; however, figures for components do not add to total shown.

⁴ Indexes derived by weighting the individual group indexes by the average current

price estimates for 1933, 1935, and 1937. The composite indexes thus calculated were used to interpolate and extrapolate the implicit indexes for 1933, 1935, and 1937.

⁵ Based on the movement of the NBER price index for processed capital equipment goods.