

## GENERAL EXPLANATIONS

The final reports for the 1939 Census of Manufactures, which were published in pamphlet form (multilithed or printed), have been assembled in three bound volumes, as follows:

Volume I. General Report—Statistics by Subjects.

Volume II. Part 1, Reports by Industries—Groups 1 to 10.

Part 2, Reports by Industries—Groups 11 to 20.

Volume III. States and Outlying Areas.

The Census of Manufactures covering the year 1939 was the twenty-third such census taken in the United States. It was also the tenth of a series taken at 2-year intervals, beginning with 1921. The first census of manufactures covered the year 1809, and a census at 10-year intervals in connection with the Decennial Census of Population was taken thereafter up to and including 1899, with the exception of 1829, at which time no census of manufactures was taken. From 1904 through 1919, the census of manufactures was taken at 5-year intervals, after which the biennial series was begun. The 1921 census and all subsequent censuses have been taken under authority contained in section 32 of the Fourteenth Census Act, and later in section 17 of the Fifteenth Census Act. The Sixteenth Decennial Census, of which the 1939 Census of Manufactures is a part, was also taken under the Fifteenth Census Act.

1. **Area and period covered.**—The 1939 Census of Manufactures covered the 48 States and the District of Columbia, and manufacturing activities in Alaska, Hawaii, and Puerto Rico were canvassed with simplified questionnaires. The census of Hawaii and Puerto Rico related to manufacturing operations in the calendar year 1939, and that for Alaska covered the year from October 1, 1938, to September 30, 1939.

2. **The canvass.**—The canvass for the 1939 Census of Manufactures began on January 2, 1940, and was practically completed by the end of June, although some manufacturers failed to make their returns until some time later. The questionnaires were distributed and the returns collected by field enumerators, of whom approximately 6,400 were employed in the censuses of Manufactures, Business, and Mines and Quarries.

Logging camps and sawmills and manufacturing plants, such as planing mills, operated in conjunction with them, were canvassed in the 12 Western States

and in Alaska by employees of the United States Forest Service, of the Department of Agriculture. Forest Service employees also reviewed the production data collected from the same classes of establishments in eight Eastern States. Through a cooperative agreement with the Agricultural Marketing Service, of the Department of Agriculture, the census returns for establishments producing butter, cheese, condensed and evaporated milk, and ice cream in the State of Wisconsin were collected and reviewed by the Madison office of that Department in conjunction with its annual canvass of dairy products.

All such cooperation by other Federal departments is handled by employees who are also sworn employees of the Bureau of the Census. It is believed that this type of cooperation is of benefit to all the agencies participating, and that it results in greatly enhancing the value of the statistics.

3. **Establishments covered—type.**—The censuses are confined, in general, to manufacturing industries proper. Data were collected for a few industries, however, the activities of which are not manufacturing in the sense in which the term is generally understood, the most important example being printing and publishing. The following classes of establishments are not covered by the Census of Manufactures:

(a) Those that were idle throughout the year or that manufactured during the year products which were valued at less than \$5,000 (see sec. 4, below).

(b) Those engaged principally in the performance of work for individual customers, such as repair shops, custom tailor shops manufacturing products valued at less than \$100,000 within the census year, and dressmaking and millinery shops (but this does not apply to large establishments manufacturing to fill special orders).

(c) Those engaged in the construction industries.

(d) Those engaged in the so-called neighborhood industries and hand trades, in which little or no power machinery is used, such as carpentry, blacksmithing, harnessmaking, tinsmithing, etc.

(e) Cotton ginneries.

(f) Small grain mills (gristmills) engaged exclusively in custom grinding.

(g) Wholesale and retail stores that incidentally manufacture on a small scale.

(h) Educational, eleemosynary, and penal institutions engaged in manufacturing. (Data for the production of binder twine in penal institutions and of brooms in institutions for the blind were, however, collected.)

(i) Establishments engaged in the manufacture of heating, cooking, and illuminating gas, distributed through mains.

(j) Electric and steam railroad repair shops.

(k) Electric light and power plants operated as public utilities.

**4. Establishments covered—minimum size limit.**—At the biennial censuses, with certain exceptions explained in the following paragraph, data have been collected only from establishments reporting products to the value of \$5,000 or more.

In order to reduce the cost of the work and to facilitate the preparation of the statistics, no data (except in regard to wage earners and products, for 1921, and in regard to products only for certain industries, for 1923 and 1925) were collected from establishments with products valued at less than \$5,000. At the quinquennial censuses, however, data on all subjects covered by the census were obtained from all establishments with products valued at \$500 or more. This change in the minimum value-of-products limit, which resulted in a 21.6 percent reduction in the number of establishments in regard to which general and detailed statistics were compiled at the census for 1921, did not otherwise materially impair the comparableness of the biennial and quinquennial figures, since 99.4 percent of the total wage earners and 99.7 percent of the total value of products reported at that census were contributed by the establishments reporting products to the value of \$5,000 or more.

**5. Definition of establishment.**—As a rule, the term "establishment" signifies a single plant or factory. Occasionally, however, separate returns are obtained for different lines of activity, assigned to different industry classifications, carried on in the same plant, in which case a single plant is counted as two or more establishments. In censuses prior to that for 1937 one return was usually counted as representing one establishment, although it might cover two or more plants operated under the same management and located in the same city, or in the same county but in different municipalities or unincorporated places having fewer than 10,000 inhabitants. For 1937 and 1939, however, the number of establishments represented by a return was determined by the respondent's answer to the question "How many plants does this report cover?" The total number of establishments was increased approximately 2,000 by this change in practice, but the change did not materially affect the number of establishments in any specific industry.

**6. Classification of industries.**—Although there are thousands of more or less distinct lines of manufacturing activity, for practical purposes, not only to bring the number of industries within reasonable compass but also in order to group together related processes and products, it has been necessary to establish a definite number of industry classifications. For the 1937 census, 351 separate classifications were recognized; for 1939, the number was increased to 446. The expansion was based on prevailing conditions in the actual organization of industry, and the new classifications were developed in collaboration with the Committee on Stand-

ard Industrial Classification established by the Division of Statistical Standards, of the Bureau of the Budget (formerly the Central Statistical Board).

**7. Industry groups.**—To facilitate the comparison of one broad class of manufacturing industries with another, the industries as constituted for census purposes are distributed into groups each embracing those industries that are related, in most cases by the character of the principal materials used, although several of the groups are constituted on the basis of the purpose or use of the chief products, and one, "Chemicals and allied products," on that of the character of the manufacturing processes employed. It is necessary, of course, in some cases to include in a particular group certain industries that use considerable quantities of materials or manufacture considerable quantities of products other than those treated as basic for the group. For example, the "Furniture and finished lumber products" group, in which wood is the basic material, includes industries that use considerable quantities of metal in the manufacture of furniture, shelving, etc.

At the censuses for 1921 and prior years, the classification comprised 14 groups. At the census for 1923 the industries were rearranged into 16 groups, which were retained until the census for 1939, when a further rearrangement into 20 groups was made, as follows:

Group No.

1. Food and kindred products.
2. Tobacco manufactures.
3. Textile-mill products and other fiber manufactures.
4. Apparel and other finished products made from fabrics and similar materials.
5. Lumber and timber basic products.
6. Furniture and finished lumber products.
7. Paper and allied products.
8. Printing, publishing, and allied industries.
9. Chemicals and allied products.
10. Products of petroleum and coal.
11. Rubber products.
12. Leather and leather products.
13. Stone, clay, and glass products.
14. Iron and steel and their products, except machinery.
15. Nonferrous metals and their products.
16. Electrical machinery.
17. Machinery (except electrical).
18. Automobiles and automobile equipment.
19. Transportation equipment except automobiles.
20. Miscellaneous industries.

**8. Classification of establishments.**—Each establishment as a whole (a single plant being counted as two or more establishments in certain cases, as explained in sec. 5) is assigned, on the basis of its product or group of products of chief value, to some one industry classification.

The statistics as to cost of materials, value of products, and value added by manufacture for any particular industry relate not only to the primary products normally belonging to that industry but also to certain secondary products which normally belong to other

industries. Thus, the establishments classified in an industry do not, as a rule, manufacture the total output of the primary products normally belonging to the industry, as in many cases some of these are made as secondary products by establishments in other industries.

The treatment of each establishment as a unit and its assignment to some one industry sometimes results in overrating the importance of certain industries and underrating that of others, because of the fact that where primary products of an industry are made in considerable quantities as secondary products in other industries, the statistics for the industry in which they are primary products do not include data for personnel, wages, cost of materials, etc., that are factors in the secondary production of these commodities in the other industries. In the case of every industry, the value of the secondary products not normally belonging to it, and that of commodities normally belonging to it but made as secondary products by establishments engaged primarily in other lines of manufacture, offset one another to a greater or to a lesser extent; and in most cases the total value of products reported for an industry does not differ greatly from the value of the total output, in all industries, of the classes of products covered by the industry designation.

**9. Changes in the scope of the Census of Manufactures between 1929 and 1939.**—It should be noted that seven industries, namely, "Car and general construction and repairs, electric-railroad repair shops," "Car and general construction and repairs, steam-railroad repair shops," "Coffee and spice, roasting and grinding," "Flax and hemp, dressed," "Gas, manufactured, illuminating and heating," "Motion pictures, not including projection in theaters," and "Peanuts, walnuts, and other nuts, processed or shelled," which were included in the Census of Manufactures for 1929 have since been omitted. The motion-picture industry, however, has been canvassed separately since 1929 but the data have not been included in the totals for manufacturing industries. The "Flax and hemp, dressed" industry was abandoned as a manufacturing industry after the 1929 census. Data for "Coffee and spice, roasting and grinding" and for "Peanuts, walnuts, and other nuts, processed or shelled" were not collected after the 1931 census. The industries "Gas, manufactured" and "Railroad repair shops" (both electric and steam) were not covered by the Census of Manufactures after 1935. The manufactured-gas industry was dropped because it was not practicable to obtain figures that did not include data for the distribution and the mixing of gas. Railroad repair shops were omitted because they are no longer classified as manufacturing establishments. However, the number and value of new cars and of locomotives built in these shops are included in the production figures for "Electric and

steam railroad cars" and in those for "Locomotives built," respectively.

**10. The questionnaires.**—In preparation for the 1939 census, the questionnaires were revised, as for previous censuses, to incorporate practical recommendations made by manufacturers and other interested persons and to harmonize them so far as possible with questionnaires used in making certain monthly and quarterly canvasses. The principal change in the standard inquiries was in that relating to personnel, which was expanded to provide a break-down by sex and separate data for the employees of manufacturing plants who were engaged in distribution, construction, and other nonmanufacturing activities. A new inquiry, covering capital expenditures for plant and equipment in 1939, was added to the questionnaire.

**11. Persons engaged—general classification.**—In the 1939 census each manufacturer was asked to report the *total* number of employees receiving pay at any time within the normal pay-roll period ended nearest October 14, 1939, whereas in earlier censuses the pay-roll figures represented, in general, only employees engaged, directly or indirectly, in the manufacturing activities of the establishment. The employees reported for 1939 were classified, by sex, as salaried officers of corporations, manufacturing employees, distribution employees, construction employees, and all other employees. Thus salaried officers of corporations were not allocated to any one of these four employment groups. Manufacturing employees were further classified, by sex, as (1) managers, superintendents, and other supervisory employees, and responsible professional and technical employees; (2) clerks, stenographers, and other clerical employees; and (3) wage earners.

The comparability of the salaried-personnel figures for 1939 with those for earlier years is affected to an indeterminable extent by several factors. The 1937 questionnaire called for data on "Salaried officers of the corporation whose duties are concerned wholly or chiefly with manufacturing," whereas for 1939 and for other census years the item simply read "Salaried officers of the corporation." Furthermore, some manufacturers undoubtedly included data for the personnel of their central-administrative offices in the figures given in individual plant reports, although such central-office personnel was not to be reported except for those census years for which a special administrative-office questionnaire was used for reporting them. A third factor affecting the comparability of the figures is the specific segregation, for 1939, of nonmanufacturing employees. At earlier censuses manufacturers were instructed to report their personnel employed in *production* activities and in the power plant and such auxiliary activities as maintenance, shipping, warehousing, etc., at the same location. For the food, apparel, and printing and publishing industries, where

distribution constitutes an important part of the activities of the establishments, the 1939 figures for salaried personnel engaged primarily in connection with manufacturing indicate marked decreases as compared with the corresponding figures for earlier years, these decreases not being in harmony with changes in numbers of wage earners. It must be assumed that some of the personnel reported for earlier years as engaged in production activities or in activities connected with production were reported for 1939 as distribution or other nonmanufacturing employees. It is not known to what extent this factor affects the comparability of the figures.

**12. Wage earners and wages.**—Wage earners in manufacturing plants are, generally speaking, those who perform manual work, using tools, operating machines, handling materials and products, and caring for the plant and its equipment. They comprise both time and piece workers. Working foremen and "gang and straw bosses" are treated as wage earners, but foremen whose duties are primarily supervisory are classified as salaried employees.

The 1939 questionnaire called for the number of wage earners engaged in manufacturing receiving pay at any time within the normal pay-roll period ended nearest October 14, 1939, by sex, and also asked for the number receiving pay at any time within the normal pay-roll period ended nearest the fifteenth of each month. Thus, although the 1939 questionnaire provided for reporting all employees of manufacturing establishments, it did not provide for reporting separately the wage earners engaged in distribution, construction, and other non-manufacturing work.

The averages for the year for industries and for States have been calculated by dividing the sums of the figures for the several months by 12. The averages for industry groups and for geographic divisions have usually been calculated by the same method, but in some cases these are simply the totals of the averages for the individual industries or for the States. For this reason, slight differences will be found in comparing the averages for industries and groups and those for divisions in different tables, but these differences are in no case of any statistical importance. The wage-earner averages in tables showing industry figures by States do not always add to the State totals, and the calculated averages do not, of course, add exactly to the United States totals in all cases.

The average for the year exceeds somewhat the number that would have been required for the work performed if all had been continuously employed through the year, because of the fact that it is impracticable to take into account the extent to which some or all of the wage earners may have been on part-time or for some other reason may not actually have worked on a full-time basis during the entire week covered by the entry for a given month. Moreover, in cases in which

a plant was in operation during only a part of the month, the number of wage earners reported for the week selected would almost certainly be above the average for the month. The quotient obtained by dividing the amount of wages (the total amount paid to wage earners during the year) by the average number of wage earners cannot, therefore, be accepted as representing the average wage received by full-time wage earners. In making comparisons between the figures for 1939 and those for earlier years, the likelihood that the proportion of part-time employment varied from year to year should be taken into account.

**13. Cost of materials, etc.**—The questionnaire called for data on the cost of materials, supplies, and containers for products, the cost of fuel, and the cost of purchased electric energy "actually used during the year." Consequently the figures for the cost of materials, etc., and of fuel represent the actual consumption of these items in the production of the commodities reported as the year's output, not the purchases that may have been made within the year. The cost of materials does not include the cost of parts and replacements for machinery and equipment used in the plant, nor that of construction materials, etc., charged to capital accounts. In the cases of some industries it represents chiefly raw materials, such as crude rubber; in others it is the cost of semimanufactured materials, such as tanned leather or, for an assembly plant, motor-vehicle parts. Furthermore, certain commodities, such as textiles, flour, and wire, which in some cases are sold to individual consumers as finished products, in other cases are used as materials for further manufacture. The cost of fuel does not cover that used as material in manufacturing processes—for example, coal in the production of coke—which is included with other materials.

**14. Contract work.**—The term "contract work"—which does not imply the existence of a formal contract—is applied to work done outside the establishment reporting, on materials supplied by it, for the production of some or all of the commodities reported as the products of the establishment. It may be done by another manufacturing establishment or by persons working in their homes. Payments made for such work appear in the census reports as "Cost of contract work"; receipts for such work done for others are included in the total value of products.

The largest amount of contract work is reported by the clothing industries, and the printing and publishing industries rank second in this respect. In many industries, however, contract work is so small in amount as to be negligible, sometimes being merely incidental and not a normal or a necessary part of the industry's activities.

The cost of contract work is subtracted, together with the cost of materials, fuels, etc., from the value of products in computing the value added by manufacture.



**15. Value of products.**—The amounts under this heading are the selling values, at the factory or plant, of all commodities produced (or, for some industries, receipts for work done) during the census year, whether sold, transferred to other plants (interplant transfers), or in stock, and consequently, under normal conditions, the total value of products covers the cost of production (including overhead expenses) and profits. It also covers selling expenses except in cases where separate sales departments are operated, in which cases the values at which the products are turned over to sales departments are reported.

The value of products is not a satisfactory measure of the importance of a given industry, because only a part of this value is actually created within the industry. Another part, and often a much larger one, is contributed by the value of the materials used. The aggregates for cost of materials and value of products include large amounts of duplication due to the use of the products of some industries as materials by others. (See sec. 16, "Duplication in cost of materials and value of products.") In the case of establishments performing work under contract (see sec. 14, "Contract work," above) the amounts received for such work are reported in lieu of value of products.

Some manufacturers sell their products at prices which include freight and other delivery charges, but these transportation charges are deducted whenever possible.

Some establishments manufacture little or nothing for sale, but make partly finished products, or containers and auxiliary articles, for the use of other manufacturing establishments under the same ownership. For example, a blast furnace produces pig iron, which is used in the production of steel in plants under the same ownership. In such cases the "transfer value" assigned by the manufacturer is accepted as the value of the pig iron. This transfer value is usually based on market prices or on the cost of manufacture, but sometimes it is purely arbitrary.

**16. Duplication in cost of materials and value of products.**—In making use of the statistics for cost of materials and value of products for groups of industries or for all industries taken as an aggregate, it must be remembered that they include a large amount of duplication due to the use of the products of some establishments as materials by others. This duplication occurs, as a rule, between different industries and is not found to any great extent in individual industries. A most outstanding exception, however, is found in the "Motor vehicles, motor-vehicle bodies, parts and accessories" industry, in which there is a large amount of duplication. The net value of all manufactured products, exclusive of such duplication, is estimated to have been approximately two-thirds of the gross value for 1929. No corresponding estimate has been made for subsequent years.

**17. Value added by manufacture.**—The value of products is not a satisfactory measure of the importance of a given industry, because only a part of this value is actually created within the industry, another, and sometimes much larger, part being contributed by the materials used. For some purposes the most satisfactory measure is the "value added by manufacture"—that is, the increase in the total value of commodities in existence as represented by the difference between the cost of the materials, etc., consumed and the value of the products made from them. It is calculated by subtracting the cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from the value of products.

This net addition to the value of commodities is almost free from the duplication that is a factor in the total value of products. It does, however, include a small amount of duplication due to the fact that certain establishments perform contract work on materials owned by other establishments either in the same or in affiliated industries. Such establishments report the amount received for contract work in lieu of value of products, and where they are classified in the same industry as the establishments that produce the finished commodities, this results in duplication in the total value of products and therefore in the total value added by manufacture. The amount of this duplication in the value added is insignificant except in a few industries, particularly the manufacture of clothing.

In comparing manufacturing industries with one another, the relation between the value of finished products and the cost of materials should be kept constantly in mind. The products of one industry may be valued at the same amount as those of another, but in one case, in which low-cost materials are used and much labor is expended on them, several times as much value may be added to the materials as in the other industry, where the materials are expensive and only a small amount of labor is required to process them. It is obvious that the industry that adds the greater amount of value is of the greater economic importance.

For 1937, the value added by manufacture was calculated in the same manner as for 1939. For 1935, however, the cost of contract work was included in the subtracted figure for only those industries (or groups of closely related industries in the Textiles and Printing and Publishing fields) in which it represented 10 percent or more of the total for materials, fuel, etc., and for earlier years the cost of contract work was not subtracted from the value of products in computing the value added by manufacture for any industry.

**18. Profits and production costs.**—Profits cannot be calculated from the census statistics, for the reason that these statistics do not show total production costs, no data in regard to depreciation, interest, insurance, rent, taxes (except internal-revenue taxes for certain indus-

tries), and other miscellaneous expense items having been collected.

**19. Price changes.**—In comparing the figures for cost of materials, value of products, and value added by manufacture for different census years, price changes should be taken into account. To the extent to which this factor was influential, the figures fail to afford true indexes of the actual increase or decrease in manufacturing activities.

**20. Inventory.**—For 1939, as for 1937, the values of inventories at the beginning and at the end of the year were called for under two heads, namely, (a) finished products (including goods produced by outside contract work from materials supplied by the establishment reporting) and (b) materials, supplies, fuel, work in process, and all other inventories. For the larger establishments, particularly, separate figures for these two classes of inventories were obtained whenever possible. If no separation could be made, however, the total value of all inventories was tabulated either as finished-products inventory or as materials, supplies, etc., inventory, according to how inventories in the particular industry were generally reported. Since a number of manufacturers failed to give the separate inventory figures, the totals for all inventories are more nearly complete than are the figures for the two separate groups of inventory items.

It should be noted that only those inventories held at manufacturing plants are reported for the Census of Manufactures. Inventories owned by manufacturing concerns but held in warehouses separate from the manufacturing plants are not included. The tobacco industries offer a good example of industries where large inventories are held in warehouses not connected with any individual manufacturing plant.

Data on inventories were not collected for any of the industries in the Printing, Publishing, and Allied Industries group, nor were inventory data tabulated for contract shops in the textile industries. The value of the products of those industries for which inventory data were not collected or tabulated was not considered in determining the proportion of the total value of products represented by establishments for which satisfactory inventory data were reported. Establishments whose values of products amounted to 96.5 percent of the total value of products reported in the 1939 census either supplied inventory figures or stated that they had no stocks on hand.

**21. Expenditures for plant and equipment.**—For 1939, for the first time in any census of manufactures, data were collected on capital expenditures for plant and equipment. Manufacturers were requested to report expenditures in 1939 for permanent additions and major alterations that were charged to fixed-asset accounts and were of the type for which depreciation accounts are ordinarily maintained. These expendi-

tures were divided into three groups, namely, (1) those for new construction and major alterations of buildings and other fixed plants and structures, (2) those for new machinery and operating equipment, and (3) those for plant and equipment acquired in a "used" condition from other owners, and expenditures for land. Some manufacturers failed to distribute their total expenditures under this inquiry between (1), (2), and (3), and consequently the figures given in this report for total expenditures for plant and equipment are more nearly complete than are those for the three items under this total. The statistics are presented in such form as to show the relative number and size of manufacturing establishments that were increasing their investments in plants and equipment in 1939. The figures relate only to plants that were in operation in 1939, and do not cover idle plants and plants under construction that were not put into operation within that year. They do not, of course, include data for expenditures made by the owners of plants and equipment leased from others by the manufacturers reporting.

**22. Power equipment.**—In the 1939 census, as in those for 1935 and 1929, data on the power equipment of manufacturing plants were collected. (Because of the incompleteness of the data for 1935, no statistics on power equipment were published for that year.) The inquiry for 1939 was more detailed than that for 1929 in that for the current census prime movers were classified not only as to type but also as to whether they were used for driving generators. This expansion of the inquiry permits a direct comparison between the horsepower capacity of prime movers driving generators and the kilowatt capacity of the generators driven by them. In order to be able to present information on the capacity of power equipment not ordinarily in use, data on the total horsepower rating of idle prime movers and on the kilowatt rating of idle generators were collected.

Some manufacturers operating two or more plants reported their entire power-plant equipment, including motors installed in their several plants, on a "master schedule." In these cases the data were not apportioned to the individual plant reports, but were assigned as a whole to the industry in which the major part of the manufacturer's business was classified.

The figures for the horsepower rating of motors driven by purchased energy have not been added to the total for the horsepower of prime movers, as was done in the 1929 census, to obtain an aggregate figure for horsepower.

**23. Fuel and electric energy used.**—The quantities of the several kinds of fuel (coal, coke, fuel oil, and gas) used, and the quantity of electric energy purchased, by manufacturing establishments in 1939 were reported, together with the cost of each. In addition, each establishment that generated electric energy reported

the quantity produced and the amount sold. The cost figures were used for editing purposes but were not published in detail. Practically the same inquiry was carried on the 1937 schedule, except that no detailed cost figures were called for. The quantity and cost figures cover not only consumption for the production of power and heat but those for electric energy cover the use of energy for light and in electrochemical processes.

**24. Disclosure of data for individual establishments.**—The Bureau of the Census is prohibited by law from publishing any statistics that disclose data for individual establishments. For this reason it is necessary in some cases to withhold separate figures for an industry or for a State, and to include these figures in an "Other" item, despite the fact that the industry or the State concerned may be more important than are some of those for which separate figures are published. In general, separate figures are given for each industry and for each State represented by three or more establishments. In some cases, however, one or more establishments produce a very large proportion of the combined output of three or more in a particular industry or in a State, and in such cases the figures for the industry or for the State are not given separately but are included in those for "Other industries" or "Other States." Personnel figures are given, however, for all industries and for all States represented by three or more establishments (under separate ownership or control), even when the other figures are combined or withheld.

**25. Industrial areas.**—The 97 counties in which, as measured by number of wage earners employed, more than half the manufacturing activities of the country are concentrated have been grouped, for manufactures-census purposes, into 33 industrial areas, none of which had fewer than 40,000 factory wage earners when these areas were established for the 1929 census. The most practical method of establishing the boundaries of these areas has been adopted, namely, that of following county lines. Thus each area comprises, in addition to the city or cities within it, one or more entire counties, even though the industrial activities of the area may not be uniformly distributed throughout all parts of these counties.

The industrial area must not be confused with the "metropolitan district," as established for population-census purposes, which includes, together with the central city or cities, all the adjacent and contiguous civil divisions having at least 150 inhabitants per square mile.

The industrial areas were established to permit the presentation of statistics for regions of industrial concentration. It is obvious that the boundaries of a city do not enclose the entire area of which the city is the business and industrial center, and likewise that those concentrations of industry that overlap State boundaries

are not adequately represented in the statistics for individual States. The industrial areas as constituted for census purposes are not subject to these limitations, and are given their proper places in the census statistics as coherent, integrated units of industrial activity.

**26. Changes in figures for earlier years.**—It will be found that some of the tables in this report do not carry comparative figures for as many earlier years as did corresponding tables for prior censuses. This is due largely to the fact that it was impracticable to carry the adjustments required by the revision of classifications, outlined in sections 6 and 7 above, back through the figures for all census years. Furthermore, it will be found that some changes have been made in the comparative figures here published, resulting partly from the classification revisions but chiefly from the abandonment of certain industries, as explained in section 9. Important differences have been explained, but minor changes are merely indexed to the footnote "Revised."

**27. Changes in industry groups, industry classifications, and titles: 1939.**—The following list gives the changes in industry groups, titles, and classifications between 1937 and 1939 (see also Appendix E):

#### Group 1.—FOOD AND KINDRED PRODUCTS

**Baking powder, yeast, and other leavening compounds.**—Transferred from the Chemicals and Allied Products group.

**Beet sugar.**—Title changed from "Sugar, beet."

**Blended and prepared flour made from purchased flour.**—New industry, products of which are blended flour made from purchased flour (not formerly treated as a manufactured product) and prepared (self-rising) flour made from purchased flour (formerly classified as a product of the "Cereal preparations" industry).

(1) Bread and other bakery products (except biscuit, crackers, and pretzels); and (2) biscuit, crackers, and pretzels.—Formerly one industry under the industry title "Bread and other bakery products."

**Candy and other confectionery products.**—Formerly designated as "Confectionery."

**Cane sugar—except refineries.**—Title changed from "Sugar manufacture, cane."

**Cane-sugar refining.**—Title changed from "Sugar refining, cane."

(1) Canned and dried fruits and vegetables (including canned soups); (2) pickled fruits and vegetables and vegetable sauces and seasonings; (3) preserves, jams, jellies, and fruit butters; (4) quick-frozen foods; and (5) salad dressings.—New industries made up of establishments formerly classified in the abandoned industry title "Canned and dried fruits and vegetables; canned and bottled juices; preserves, jellies, fruit butters; pickles, and sauces."

(1) Canned fish, crustacea, and mollusks; and (2) cured fish.—Formerly one industry under the designation "Canned and cured fish, crabs, shrimps, oysters, and clams."

**Cereal preparations.**—Revised to exclude prepared (self-rising) flour, classified as a product of the "Flour and other grain-mill products" and "Blended and prepared flour made from purchased flour" industries. Corn grits for brewers' use, formerly classified as a product of this industry, have been transferred to the "Flour and other grain-mill products" industry.

**Chocolate and cocoa products.**—Title changed from "Chocolate and cocoa products, not including confectionery."

**Cooking and other edible fats and oils, not elsewhere classified.**—Title changed from "Shortenings (other than lard), vegetable cooking oils, and salad oils."

**Creamery butter.**—Title changed from "Butter."

**Flavoring extracts and flavoring sirups, not elsewhere classified.**—Title changed from "Flavoring extracts, flavoring sirups, and related products."

**Food preparations, not elsewhere classified.**—Revised to exclude prepared meats, now classified as products of the "Sausages, prepared meats, and other meat products—not made in meat-packing establishments" industry, and processed butter, processed cheese, and other processed dairy products, transferred to the new industry "Special dairy products."

**Ice cream and ices.**—Title changed from "Ice cream."

**Malt liquors.**—Title changed from "Liquors, malt."

**(1) Meat packing, wholesale; and (2) custom slaughtering, wholesale.**—Formerly one industry under the designation "Meat packing, wholesale."

**Nonalcoholic beverages.**—Title changed from "Beverages, nonalcoholic."

**Prepared feeds (including mineral) for animals and fowls.**—Title changed from "Feeds, prepared, for animals and fowls."

**Sausages, prepared meats, and other meat products—not made in meat-packing establishments.**—Formerly designated as "Sausage, meat puddings, headcheese, etc.—not made in meat-packing establishments." Includes prepared meat products formerly classified in the "Food preparations not elsewhere classified" industry.

**Special dairy products.**—New industry, products of which were formerly classified in the "Food preparations not elsewhere classified" industry.

**Wines.**—Title changed from "Liquors, vinous."

## Group 2.—TOBACCO MANUFACTURES

[New industry group, which covers the "Cigarettes," "Cigars," and "Tobacco (chewing and smoking) and snuff" industries, formerly included in the Miscellaneous Industries group]

## Group 3.—TEXTILE-MILL PRODUCTS AND OTHER FIBER MANUFACTURES

[New group, industries of which were formerly classified in the abandoned industry group "Textiles and their products." See also Group 4.—Apparel and other finished products made from fabrics and similar materials]

**Artificial leather and oilcloth.**—Consolidation of former industries "Artificial leather" and "Oilcloth."

**Carpets and rugs, wool.**—Title changed from "Carpets and rugs, wool (other than rag)."

**Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags.**—New industry, products of which were formerly classified in the abandoned industries "Carpets and rugs, paper-fiber and grass" and "Carpets and rugs, rag." To this new industry classification have also been assigned establishments primarily engaged in the production of cotton carpets and rugs, formerly classified in the "Cotton broad woven goods" industry; chenille bath mats, formerly classified in the "Housefurnishings (except curtains, draperies, and bedspreads)" industry; jute carpets and rugs, formerly classified in the "Jute goods (except felt)" industry; and flax carpets and rugs, formerly classified in the "Linen goods" industry.

**Cloth sponging and miscellaneous special finishing.**—New industry classification, comprising establishments engaged in cloth sponging, formerly classified in the "Men's and boys' suits, coats, and overcoats (except work clothing)—made in contract factories" industry and establishments engaged in special

finishing processes such as waxing cloth, finishing window-shade cloth, varnishing cambric and buckram, etc., which establishments were previously classified in the former industries "Dyeing and finishing, cotton-fabric" and "Dyeing and finishing, rayon- and silk-fabric."

**Cotton broad woven goods.**—Title changed from "Cotton woven goods (over 12 inches in width)," and industry revised to include products formerly classified in the abandoned industry "Fish nets and seines" and products of dyeing and finishing departments of cotton weaving mills, formerly classified in the "Dyeing and finishing, cotton-fabric" industry; and to exclude cotton rugs transferred to the new industry classification "Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags."

**(1) Cotton thread; and (2) cotton yarn.**—Formerly one industry, "Cotton yarn and thread." Dyeing and finishing departments of cotton yarn and thread mills have been transferred to these industries from the abandoned industry "Dyeing and finishing yarn (cotton, rayon, and silk)—for sale or on commission."

**Dyeing and finishing cotton, rayon, silk, and linen textiles.**—New industry classification, products of which were formerly classified in the abandoned industries "Dyeing and finishing, cotton-fabric," "Dyeing and finishing, rayon- and silk-fabric," and "Dyeing and finishing yarn (cotton, rayon, and silk)—for sale or on commission." Establishments engaged in special finishing processes, such as waxing cloth, varnishing cambric and buckram, etc., and the dyeing and finishing departments of integrated cotton, rayon, and silk mills, are classified in the respective spinning and weaving industries.

**Dyeing and finishing, woolen and worsted.**—Title changed from "Woolen and worsted dyeing and finishing," and industry revised to exclude establishments primarily engaged in winding or balling hand-knitting yarn, which have been transferred to the "Woolen and worsted manufactures—regular factories or jobbers engaging contractors" industry. Dyeing and finishing mills of integrated companies engaged in both weaving and finishing in separate plant locations have been transferred to this industry from the abandoned industries "Woolen woven goods, including woven felts" and "Worsted woven goods."

**Felt goods, wool, hair, and jute (except woven felts and hat bodies and hats).**—Title changed from "Felt goods (except woven felts)."

**Finishing of men's and boys' hats of fur-felt, wool-felt, and straw.**—New industry, products of which were previously classified in the former industries "Hats, fur-felt" and "Hats, straw, men's."

**Hat bodies and hats, fur-felt.**—New industry, products of which were formerly classified in the abandoned industry "Hats, fur-felt."

**Hat bodies and hats, wool-felt.**—Title changed from "Hat bodies, carded wool-felt."

**Hats, straw.**—Title changed from "Hats, straw, men's." Establishments engaged in finishing men's straw hats have been assigned to the new industry classification "Finishing of men's and boys' hats of fur-felt, wool-felt, and straw."

**Hatters' fur.**—New industry, products of which were previously classified in the former industry "Hat and cap materials, men's." Establishments classified in the former industry, which have not been assigned to the "Hatters' fur" industry, have been transferred to the new industry "Hat and cap materials; trimmings, etc.," in Group 4.

**(1) Hosiery—full-fashioned; and (2) hosiery—seamless.**—Formerly one industry, "Hosiery."

**Jute goods (except felt).**—Title changed from "Jute goods," and industry revised to exclude jute carpets, which have been transferred to the new industry classification "Carpets, rugs,

and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags."

**Knitted gloves.**—Title changed from "Gloves and mittens, knitted," and industry revised to include establishments engaged in cutting and stitching fabric gloves from knit cloth made in separate mills of integrated companies, previously classified in the former industry "Gloves and mittens, cloth or cloth and leather combined, made from purchased materials."

**Knitted outerwear (except knit gloves)—contract factories.**—Title changed from "Knitted outerwear—contract factories."

**Knitted outerwear (except knit gloves)—regular factories or jobbers engaging contractors.**—Title changed from "Knitted outerwear—regular factories."

**Knitted underwear.**—Revised to include establishments engaged in cutting and stitching knitted-fabric underwear from knit cloth made in separate mills of integrated companies, formerly classified in the "Women's, children's, and infants' underwear and nightwear of knitted fabrics" industry.

**Linen goods.**—Revised to exclude linen carpets and rugs, which have been transferred to the new industry classification "Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags."

**Linoleum, asphalted-felt-base, and other hard-surface floor coverings, not elsewhere classified.**—Consolidation of former industries "Asphalted-felt-base floor covering" and "Linoleum."

(1) **Processed waste and recovered wool fibers—contract factories; and (2) processed waste and recovered wool fibers—regular factories or jobbers engaging contractors.**—Formerly one industry, "Processed waste and recovered wool fiber—for sale."

(1) **Rayon broad woven goods—contract factories; and (2) rayon broad woven goods—regular factories or jobbers engaging contractors.**—Formerly one industry, "Rayon broad woven goods (18 inches wide and over)." The line of demarcation between broad rayon and narrow rayon fabrics was established for 1939 as 12 inches, in lieu of 18 inches at the 1937 Census of Manufactures.

**Rayon throwing and spinning—contract factories.**—Title changed from "Rayon throwing and spinning—commission only."

**Rayon yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.**—Title changed from "Rayon yarn and thread—processed for sale."

(1) **Silk broad woven goods—contract factories; and (2) silk broad woven goods—regular factories or jobbers engaging contractors.**—Formerly one industry, "Silk broad woven goods (18 inches wide and over)." The line of demarcation between broad silks and narrow silk fabrics was established for 1939 as 12 inches, in lieu of 18 inches at the 1937 Census of Manufactures.

**Silk throwing and spinning—contract factories.**—Title changed from "Silk throwing and spinning—commission only."

**Silk yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.**—Title changed from "Silk yarn and thread—made for sale."

(1) **Woolen and worsted manufactures—contract factories; and (2) woolen and worsted manufactures—regular factories or jobbers engaging contractors.**—New industry classification, products of which were formerly classified in the abandoned industries "Wool combing—commission, and tops for sale," "Woolen woven goods, including woven felts," "Woolen yarn," "Wool scouring," "Worsted woven goods," and "Worsted yarn." To these new industry classifications have also been transferred establishments engaged primarily in winding woolen and worsted hand-knitting yarns, formerly classified in the "Dyeing and finishing woolen and worsted" industry.

#### Group 4.—APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS

[New group, industries of which were formerly classified in the abandoned industry group "Textiles and their products." See also Group 3.—Textile-mill products and other fiber manufactures]

**Belts (apparel), regardless of material.**—New industry, products of which were formerly classified in the "Leather goods not elsewhere classified" industry and the abandoned industries "Furnishing goods, men's, not elsewhere classified—regular factories" and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories."

**Canvas products (except bags).**—Title changed from "Awnings, tents, sails, and canvas covers."

(1) **Children's and infants' wear not elsewhere classified—made in contract factories; and (2) children's and infants' wear not elsewhere classified—made in inside factories or by jobbers engaging contractors.**—New industry classifications, products of which were formerly classified in the abandoned industries "Outerwear, children's and infants'—contract factories" and "Outerwear, children's and infants'—regular factories."

(1) **Children's coats—made in contract factories; and (2) children's coats—made in inside factories or by jobbers engaging contractors.**—New industry classifications, products of which were formerly classified in the abandoned industries "Outerwear, children's and infants'—contract factories" and "Outerwear, children's and infants'—regular factories."

(1) **Children's dresses—made in contract factories; and (2) children's dresses—made in inside factories or by jobbers engaging contractors.**—New industry classifications, products of which were formerly classified in the abandoned industries "Outerwear, children's and infants'—contract factories" and "Outerwear, children's and infants'—regular factories."

**Coats, suits, and skirts (except fur coats)—made in contract factories.**—Title changed from "Coats, suits, and separate skirts, women's, misses', and juniors'—contract factories."

**Coats, suits, and skirts (except fur coats)—made in inside factories or by jobbers engaging contractors.**—Title changed from "Coats, suits, and separate skirts, women's, misses', and juniors'—regular factories."

**Curtains, draperies, and bedspreads—made in regular factories or by jobbers engaging contractors.**—Title changed from "Curtains, draperies, and bedspreads—regular factories."

**Dress and semidress gloves and mittens: cloth, cloth and leather combined.**—New industry, products of which were formerly classified in the abandoned industry "Gloves and mittens, cloth or cloth and leather combined, made from purchased materials." Establishments, formerly classified in this industry, which are primarily engaged in cutting and stitching knitted-fabric gloves from knit cloth made in separate mills of integrated companies, have been transferred to the "Knitted gloves" industry.

**Embroideries, other than Schiffli-machine products (1) made in regular factories or by jobbers engaging contractors; and (2) contract factories.**—Titles changed from "Embroideries other than Schiffli-machine products—regular factories" and "Embroideries—other than Schiffli-machine products—contract factories."

**Embroideries: Schiffli-machine products.**—Consolidation of the former industries "Embroideries—Schiffli-machine products—contract factories" and "Embroideries—Schiffli-machine products—regular factories."

**Fur coats and other fur garments, accessories, and trimmings.**—Consolidation of the former industries "Fur goods—contract factories" and "Fur goods—regular factories," previously classified in the "Miscellaneous industries" group.

**Handkerchiefs—made in contract factories.**—Title changed from "Handkerchiefs—contract factories."

**Handkerchiefs**—made in inside factories or by jobbers engaging contractors.—Title changed from "Handkerchiefs—regular factories."

**Hat and cap materials; trimmings, etc.**—Title changed from "Hat and cap materials, men's," and industry revised to exclude establishments primarily engaged in the production of hatters' fur for further processing, which have been transferred to the new industry classification "Hatters' fur."

**House dresses, uniforms, and aprons**—made in contract factories.—Title changed from "Dresses: house dresses, uniforms, and aprons—contract factories."

**House dresses, uniforms, and aprons**—made in inside factories or by jobbers engaging contractors.—Title changed from "Dresses: house dresses, uniforms, and aprons—regular factories."

**Housefurnishings** (except curtains, draperies, and bedspreads).—Title changed from "Housefurnishings not elsewhere classified," and industry revised to exclude establishments primarily engaged in the manufacture of chenille bath mats, which have been transferred to the new industry classification "Carpets, rugs, and mats made of such materials as paper fiber, grass, jute, flax, sisal, cocoa fiber, and rags."

**Men's and boys' hats and caps** (except felt and straw).—Title changed from "Hats and caps, except felt and straw, men's."

**Men's and boys' shirts** (except work shirts), collars, and nightwear—contract factories.—Title changed from "Shirts (except work shirts), collars, and nightwear—contract factories."

**Men's and boys' shirts** (except work shirts), collars, and nightwear—made in inside factories or by jobbers engaging contractors.—Title changed from "Shirts (except work shirts), collars, and nightwear—regular factories."

**Men's and boys' suits, coats, and overcoats** (except work clothing)—made in contract factories.—Title changed from "Clothing, men's, youths', and boys', not elsewhere classified—contract factories," and industry revised to exclude establishments engaged in the production of men's rainwear on a contract basis, which have been transferred to the "Raincoats and other waterproof garments (except oiled cotton)" industry. Establishments primarily engaged in cloth sponging, formerly classified in this industry, have been transferred to the new industry classification "Cloth sponging and miscellaneous special finishing."

**Men's and boys' suits, coats, and overcoats** (except work clothing)—made in inside factories or by jobbers engaging contractors.—Title changed from "Clothing, men's, youths', and boys', not elsewhere classified—regular factories," and industry revised to exclude establishments primarily engaged in the manufacture of men's rainwear, which have been transferred to the "Raincoats and other waterproof garments (except oiled cotton)" industry.

**Men's and boys' underwear**—made in contract factories.—Title changed from "Underwear, men's—contract factories."

**Men's and boys' underwear**—made in inside factories or by jobbers engaging contractors.—Title changed from "Underwear, men's—regular factories."

(1) **Men's neckwear**—made in contract factories; and (2) **men's neckwear**—made in inside factories or by jobbers engaging contractors.—New industry classifications, products of which were formerly classified in the abandoned industries "Furnishing goods, men's, not elsewhere classified—contract factories" and "Furnishing goods, men's, not elsewhere classified—regular factories."

**Millinery**.—Consolidation of the former industries "Millinery—contract factories" and "Millinery—regular factories."

**Miscellaneous fabricated textile products** not elsewhere classified.—New industry, products of which were formerly

classified in the abandoned industries "Flags, banners, regalia, vestments, robes, and related products" and "Fabricated textile products not elsewhere classified," with the exception of vestments and academic robes, which have been assigned to the "Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel not elsewhere classified" industry.

**Raincoats and other waterproof garments** (except oiled cotton).—New industry, products of which were previously classified in the former industries "Clothing, men's, youths', and boys', not elsewhere classified—contract factories," "Clothing, men's, youths', and boys', not elsewhere classified—regular factories," "Clothing, women's, misses', and children's, not elsewhere classified—contract factories," and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories."

**Robes, lounging garments, and dressing gowns**.—New industry classification, products of which were classified in the industries formerly designated as "Furnishing goods, men's, not elsewhere classified—contract factories," "Furnishing goods, men's, not elsewhere classified—regular factories," "Clothing, women's, misses', and children's, not elsewhere classified—contract factories," and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories."

**Suspenders, garters, and other goods made from purchased elastic material**.—Title changed from "Suspenders, garters, and other elastic woven products (except orthopedic and athletic) made from purchased webbing."

**Textile bags**—not made in textile mills.—Title changed from "Bags, other than paper."

**Trimmings** (not made in textile mills), stamped art goods, and art needlework—contract factories.—Title changed from "Trimmings (not made in textile mills); stamped art goods for embroidering—contract factories."

**Trimmings** (not made in textile mills), stamped art goods, and art needlework—made in regular factories or by jobbers engaging contractors.—Title changed from "Trimmings (not made in textile mills); stamped art goods for embroidering—regular factories."

**Women's and misses' blouses and waists**—made in contract factories.—Title changed from "Blouses, women's, misses', and children's—contract factories."

**Women's and misses' blouses and waists**—made in inside factories or by jobbers engaging contractors.—Title changed from "Blouses, women's, misses', and children's—regular factories."

(1) **Women's and misses' clothing, not elsewhere classified—made in contract factories; and (2) women's and misses' clothing, not elsewhere classified—made in inside factories or by jobbers engaging contractors**.—Titles changed from "Clothing, women's, misses', and children's, not elsewhere classified—contract factories" and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories," respectively. These industries have been revised to exclude establishments primarily engaged in the manufacture of women's, children's, and infants' underwear and nightwear of rayon and silk woven fabrics, women's neckwear, scarfs, etc., women's and children's robes, lounging garments, and dressing gowns, and women's and children's rainwear, which establishments have been transferred to the new industry classifications "Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabric," "Women's neckwear, scarfs, etc.," "Robes, lounging garments, and dressing gowns," and "Raincoats and other waterproof garments (except oiled cotton)."

**Women's and misses' dresses** (except house dresses)—made in contract factories.—Title changed from "Dresses, except house dresses—contract factories."



**Women's and misses' dresses (except house dresses)**—made in inside factories or by jobbers engaging contractors.—Title changed from "Dresses, except house dresses—regular factories."

**Women's, children's, and infants' underwear and nightwear of cotton and flannelette woven fabrics.**—Title changed from "Underwear and nightwear of cotton and flannelette woven fabrics, women's, children's, and infants'."

**Women's, children's, and infants' underwear and nightwear of knitted fabrics.**—Title changed from "Underwear and nightwear of knitted fabric, women's, children's, and infants'"; and industry revised to exclude establishments engaged in cutting and stitching knitted-fabric underwear from knit cloth made in separate mills of integrated companies. These establishments have been transferred to the "Knitted underwear" industry.

**Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics.**—New industry, products of which were classified in the former industries "Clothing, women's, misses', and children's, not elsewhere classified—contract factories" and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories."

**Women's neckwear, scarfs, etc.**—New industry, products of which were formerly classified in the abandoned industries "Clothing, women's, misses', and children's, not elsewhere classified—contract factories" and "Clothing, women's, misses', and children's, not elsewhere classified—regular factories."

**Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel, not elsewhere classified.**—Title changed from "Clothing, work (including work shirts), and sport garments, except leather," and industry revised to exclude establishments primarily engaged in the manufacture of men's and boys' work and flannel shirts, which have been transferred to the new industry classification "Work shirts," and to include establishments engaged in the production of vestments and academic robes, formerly classified in the abandoned industry "Flags, banners, regalia, vestments, robes, and related products."

**Work gloves and mittens: cloth, cloth and leather combined.**—New industry, products of which were formerly classified in the abandoned industry "Gloves and mittens, cloth or cloth and leather combined, made from purchased materials."

**Work shirts.**—New industry, comprising establishments primarily engaged in the production of men's and boys' work and flannel shirts, previously classified in the former industry "Clothing, work (including work shirts), and sport garments, except leather."

#### Group 5.—LUMBER AND TIMBER BASIC PRODUCTS

[New group, industries of which were formerly classified in the abandoned industry group "Forest products." See also Group 6.—Furniture and finished lumber products]

(1) Logging camps and logging contractors (not operating sawmills); and (2) sawmills, veneer mills, and cooperage-stock mills, including those combined with logging camps and with planing mills.—New industries, products of which, except those of plywood mills, were formerly classified in the abandoned industry "Lumber and timber products not elsewhere classified." Plywood mills now constitute a new industry, "Plywood mills."

**Planing mills not operated in conjunction with sawmills.**—Title changed from "Planing-mill products and other wooden products not elsewhere classified, made in planing mills not connected with sawmills." Establishments primarily engaged in the manufacture of Venetian blinds, formerly classified in this industry, have been transferred to the new industry "Venetian blinds," Group 6.—Furniture and Finished Lumber Products.

**Plywood mills.**—New industry, products of which were classified in the former industries "Lumber and timber products not

elsewhere classified" and "Planing-mill products and other wooden products not elsewhere classified, made in planing mills not connected with sawmills."

#### Group 6.—FURNITURE AND FINISHED LUMBER PRODUCTS

[New group, industries of which were formerly classified in the abandoned industry group "Forest products." See also Group 5.—Lumber and timber basic products]

(1) Baskets for fruits and vegetables; and (2) rattan and willowware (except furniture) and baskets other than vegetable and fruit baskets.—Formerly one industry, "Baskets and rattan and willowware, not including furniture."

**Billiard and pool tables, bowling alleys, and accessories.**—Abandoned as an industry classification. Products formerly classified in this industry have been transferred to the new industry "Sporting and athletic goods not elsewhere classified," Group 20.—Miscellaneous Industries.

**Cigar boxes: wooden, part wooden.**—Title changed from "Boxes, cigar, wooden and part wooden."

(1) Household furniture, except upholstered; (2) laboratory, hospital, and other professional furniture; (3) office furniture; (4) partitions, shelving, cabinet work, and office and store fixtures; (5) public-building furniture; and (6) upholstered household furniture.—Formerly one industry, "Furniture, including store and office fixtures."

**Mattresses and bedsprings.**—Title changed from "Mattresses and bedsprings not elsewhere classified," and industry transferred from the "Miscellaneous industries" group.

**Mirror frames and picture frames.**—Title changed from "Mirror and picture frames."

**Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified.**—Abandoned as an industry classification. Products formerly classified in this industry have been transferred to the new industries "Fiber cans, tubes, and similar products," Group 7; "Pulp goods (pressed, molded)," Group 7; and "Fabricated plastic products, not elsewhere classified," Group 20.

**Turpentine and rosin.**—Title changed to "Gum naval stores (processing but not gathering or warehousing)," and industry transferred to Group 9.—Chemicals and Allied Products.

**Venetian blinds.**—New industry, products of which were formerly classified in the abandoned industry "Planing-mill products, and other wooden products not elsewhere classified, made in planing mills not connected with sawmills."

**Window shades.**—Title changed from "Window shades (textile and paper) and fixtures," and industry transferred from the "Miscellaneous industries" group.

**Wood products not elsewhere classified.**—Title changed from "Wood turned and shaped and other wooden goods, not elsewhere classified."

**Wooden boxes except cigar boxes.**—Title changed from "Boxes, wooden, except cigar boxes."

#### Group 7.—PAPER AND ALLIED PRODUCTS

(1) Coated and glazed paper; and (2) converted paper products not elsewhere classified.—Formerly one industry, "Paper goods not elsewhere classified."

**Die-cut paper and paperboard, and converted cardboard.**—New industry, products of which were formerly classified in the abandoned industries "Cardboard, not made in paper mills," "Card cutting and designing," and "Paper goods not elsewhere classified."

(1) Fiber cans, tubes, and similar products; and (2) paperboard containers and boxes not elsewhere classified.—New industries, products of which were formerly classified in the abandoned industries "Boxes, paper, not elsewhere classified,"

"Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified," and "Paper goods not elsewhere classified."

**Paper and paperboard mills.**—Title changed from "Paper."

**Paper bags, except those made in paper mills.**—Title changed from "Bags, paper, exclusive of those made in paper mills."

**Pulp goods (pressed, molded).**—New industry, products of which were formerly classified in the abandoned industry "Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified."

**Pulp mills.**—Title changed from "Pulp (wood and other fiber)."

#### Group 8.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

**Bookbinding and related industries.**—Title changed from "Bookbinding and blank-book making."

**Books: printing without publishing.**—New industry, products of which were classified in the industries formerly designated as "Lithographing," "Photoengraving, not done in printing establishments," and "Printing and publishing, book, music, and job."

(1) Books: publishing and printing; (2) books: publishing without printing; (3) general commercial (job) printing; and (4) machine and hand typesetting (including advertisement typesetting).—New industries, products of which were classified in the abandoned industry "Printing and publishing, book, music, and job."

**Electrotyping and stereotyping, not done in printing establishments.**—Title changed from "Stereotyping and electrotyping, not done in printing establishments."

**Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.**—Title changed to "Engraving on metal (except for printing purposes)," and industry transferred to Group 15.—Nonferrous Metals and Their Products.

**Engraving (steel, copperplate, and wood); plate printing.**—Formerly designated as "Engraving, steel, copperplate, and wood, and plate printing." The engraving and plate printing of greeting cards, formerly included in this industry, have been transferred to the new industry "Greeting cards (except hand-painted)."

(1) Gravure, rotogravure, and rotary photogravure (including preparation of plates); and (2) photoengraving, not done in printing establishments (including preparation of plates).—New industries, products of which were classified in the former industry "Photoengraving, not done in printing establishments."

**Greeting cards (except hand-painted).**—New industry, products of which were included in the industries formerly designated as "Engraving, steel, copperplate, and wood, and plate printing," "Lithographing," and "Printing and publishing, book, music, and job."

**Lithographing and photo-lithographing (including preparation of stones or plates and dry transfers).**—New industry, products of which were classified in the industry formerly designated as "Lithographing," with the exception of the lithographing of books and pamphlets for publishers and of greeting cards, which have been transferred to the "Books: printing without publishing" and "Greeting cards (except hand-painted)" industries, respectively.

(1) Newspapers: publishing and printing; (2) newspapers: publishing without printing; (3) periodicals: publishing and printing; and (4) periodicals: publishing without printing.—Formerly one industry, designated as "Printing and publishing, newspaper and periodical."

**Photoengraving, not done in printing establishments (including preparation of plates).**—Formerly designated as "Photoengraving, not done in printing establishments." Establishments

which were classified in this industry as formerly constituted and which are engaged primarily in the manufacture of products covered by the new industry classifications "Books: printing without publishing" and "Gravure, rotogravure, and rotary photogravure (including preparation of plates)," have been transferred to these latter industries.

#### Group 9.—CHEMICALS AND ALLIED PRODUCTS

**Ammunition.**—Title changed from "Ammunition and related products." Establishments primarily engaged in the manufacture of blasting and detonating caps, formerly classified in this industry, have been transferred to the "Explosives" industry.

**Baking powder, yeast, and other leavening compounds.**—Transferred to industry Group 1.—Food and Kindred Products.

(1) Chemicals not elsewhere classified; (2) coal-tar products, crude and intermediate; and (3) plastic materials.—Formerly one industry, "Chemicals not elsewhere classified." Aluminum metal production, previously classified in the industry "Chemicals not elsewhere classified" has been transferred to the new industry "Primary smelting and refining of nonferrous metals," Group 15.—Nonferrous Metals and Their Products.

**Cleaning and polishing preparations, blackings, and dressings.**—New industry made up of the former industries "Cleaning and polishing preparations" and "Blacking, stains, and dressings."

(1) Colors and pigments; and (2) paints, varnishes, and lacquers.—Formerly one industry, "Paints, pigments, and varnishes."

**Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants.**—Formerly entitled "Compressed and liquefied gases."

**Cottonseed oil, cake, meal, and linters.**—Title changed from "Oil, cake, and meal, cottonseed."

**Drugs and medicines (including drug grinding).**—Formerly two industries "Drugs and medicines" and "Drug grinding."

**Essential oils.**—Title changed from "Oils, essential."

**Explosives.**—Revised to include establishments primarily engaged in the manufacture of blasting and detonating caps, formerly classified in the "Ammunition" industry, and of safety fuses, formerly classified in the "Fireworks" industry.

**Fireworks.**—Title changed from "Fireworks and allied products." Manufacturers of safety fuses, formerly classified in this industry, have been transferred to the "Explosives" industry.

(1) Fish and other marine oils, cake, and meal; (2) soybean oil, cake, and meal; and (3) vegetable and animal oils, not elsewhere classified.—Formerly one industry under the title "Oils not elsewhere classified."

**Grease and tallow (except lubricating greases).**—Title changed from "Grease and tallow, not including lubricating greases."

**Gum naval stores (processing but not gathering or warehousing).**—Title changed from "Turpentine and rosin," and industry transferred from Group 6.—Furniture and Finished Lumber Products.

(1) Hardwood distillation and charcoal manufacture; and (2) wood naval stores.—New industries, comprising establishments formerly classified in the abandoned industry "Wood distillation and charcoal manufacture."

**Insecticides, fungicides, and related industrial and household chemical compounds.**—Title changed from "Insecticides and fungicides, and industrial and household chemical compounds, not elsewhere classified." Products of the abandoned industry "Foundry supplies" have been transferred to this industry.

**Linseed oil, cake, and meal.**—Title changed from "Oil, cake, and meal, linseed."

Lubricating oils and greases—not made in petroleum refineries.—Industry transferred from Group 10.—Products of Petroleum and Coal.

Printing ink.—Title changed from "Ink, printing."

Soap and glycerin.—Title changed from "Soap."

Tanning materials, natural dyestuffs, mordants, assistants, and sizes.—Title changed from "Tanning materials, natural dyestuffs, mordants and assistants, and sizes."

Writing ink.—Title changed from "Ink, writing."

#### Group 10.—PRODUCTS OF PETROLEUM AND COAL

(1) Beehive coke; and (2) oven coke and coke-oven by-products.—Formerly one industry, "Coke-oven products."

Lubricating oils and greases, not made in petroleum refineries.—Industry transferred to Group 9.—Chemicals and Allied Products.

(1) Paving blocks and paving mixtures; asphalt, creosoted wood, and composition; and (2) roofing, built-up and roll; asphalt shingles; roof coating (except paint).—Titles changed from "Paving materials: blocks (except brick and stone) and mixtures" and "Roofing, built-up and roll; asphalt shingles; roof coatings other than paint," and industries transferred from the "Miscellaneous industries" group.

#### Group 11.—RUBBER PRODUCTS

(1) Reclaimed rubber; and (2) rubber products not elsewhere classified.—Formerly one industry designated as "Rubber goods other than tires, inner tubes, and boots and shoes."

Rubber boots and shoes (including rubber-soled footwear with fabric uppers).—Title changed from "Boots and shoes, rubber."

Tires and inner tubes.—Title changed from "Rubber tires and inner tubes."

#### Group 12.—LEATHER AND LEATHER PRODUCTS

Footwear (except rubber).—Title changed from "Boots and shoes, other than rubber."

Industrial leather belting and packing leather.—Title changed from "Belting and packing, leather."

Leather gloves and mittens.—Title changed from "Gloves and mittens, leather."

Leather goods not elsewhere classified.—Establishments primarily engaged in the manufacture of leather belts (apparel), formerly classified in this industry, have been transferred to the new industry classification "Belts (apparel), regardless of material" in Group 4.—Apparel and Other Finished Products Made From Fabrics and Similar Materials.

Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors.—Title changed from "Leather: tanned, curried, and finished—regular factories."

Small leather goods.—Title changed from "Leather goods—small articles."

Suitcases, brief cases, bags, trunks, and other luggage.—Title changed from "Trunks, suitcases, brief cases, bags, and other luggage."

Women's pocketbooks, handbags, and purses.—Title changed from "Handbags and purses, women's."

#### Group 13.—STONE, CLAY, AND GLASS PRODUCTS

Asbestos products (except steam packing and pipe and boiler covering).—Title changed from "Asbestos products other than steam packing and pipe and boiler covering."

(1) Brick and hollow structural tile; (2) clay products (except pottery) not elsewhere classified; (3) clay refractories, including refractory cement (clay); (4) floor and wall tile (except quarry

tile); (5) roofing tile; (6) sewer pipe and kindred products; and (7) terra cotta.—Formerly one industry, "Clay products, other than pottery."

China firing and decorating (for the trade).—Title changed from "China firing and decorating, not done in potteries."

(1) Flat glass; (2) glass containers; and (3) tableware, pressed or blown glass, and glassware not elsewhere classified.—Formerly one industry, "Glass."

(1) Hotel china; (2) porcelain electrical supplies; (3) pottery products not elsewhere classified; (4) vitreous-china plumbing fixtures; and (5) whiteware.—Formerly one industry, "Pottery, including porcelain ware."

(1) Mineral wool; and (2) wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition.—Formerly one industry, "Wallboard and plaster (except gypsum), building insulation, and floor composition."

Monuments, tombstones, cut-stone, and stone products not elsewhere classified.—Title changed from "Marble, granite, slate, and other stone, cut and shaped."

Natural graphite, ground and refined.—Title changed from "Graphite, ground and refined."

Sand-lime brick, block and tile.—Title changed from "Sand-lime brick."

Statuary and art goods (except stone and concrete)—factory production.—Title changed from "Statuary and art goods (except concrete), factory production."

Steam and other packing; pipe and boiler covering.—Title changed from "Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified," and industry transferred from the "Miscellaneous industries" group.

#### Group 14.—IRON AND STEEL AND THEIR PRODUCTS, EXCEPT MACHINERY

(1) Automobile stampings; (2) enameling, japanning, and lacquering; (3) stamped and pressed metal products (except automobile stampings); and (4) vitreous enameled products, including kitchen, household, and hospital utensils.—Formerly one industry, "Stamped and pressed metal products; enameling, japanning, and lacquering."

Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connection with hot-rolling mills.—New industry, products of which were formerly classified as products of the abandoned industry "Machine-shop products." (See Group 17.)

Cutlery (except aluminum, silver, and plated cutlery) and edge tools.—Title changed from "Cutlery (not including silver and plated cutlery) and edge tools."

Doors, window sash, frames, molding, and trim (made of metal).—Title changed from "Doors, shutters, and window sash and frames, molding, and trim, metal."

Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware).—Title changed from "Plumbers' supplies, not including pipe or vitreous-china sanitary ware."

Fabricated structural steel and ornamental metal work, made in plants not operated in connection with rolling mills.—Title changed from "Structural and ornamental metal work, made in plants not operated in connection with rolling mills."

Forgings, iron and steel—made in plants not operated in connection with rolling mills.—Title changed from "Forgings, iron and steel, made in plants not operated in connection with steel works or rolling mills."

Galvanizing and other coating—carried on in plants not operated in connection with rolling mills.—Title changed from "Galvanizing and other coating, done in plants not operated in connection with rolling mills."

(1) Gray-iron and semisteel castings; and (2) malleable-iron castings.—Formerly one industry, "Foundry products (gray-iron and malleable-iron)."

(1) Heating and cooking apparatus, except electric, not elsewhere classified; (2) oil burners, domestic and industrial; (3) steam and hot-water heating apparatus (including hot-water furnaces); (4) steam fittings, regardless of material; and (5) stoves, ranges, water heaters, and hot-air furnaces (except electric).—Formerly one industry, "Heating and cooking apparatus, except electric."

Power boilers and associated products.—Title changed from "Boiler-shop products."

Springs, steel (except wire)—made in plants not operated in connection with rolling mills.—Title changed from "Springs, steel, except wire, made in plants not operated in connection with rolling mills."

(1) Steel castings; and (2) steel works and rolling mills.—Formerly one industry, "Steel-works and rolling-mill products." Tin plate and terneplate manufacture is classified in the "Steel works and rolling mills" industry.

Tools (except edge tools, machine tools, files, and saws).—Title changed from "Tools, not including edge tools, machine tools, files, and saws."

#### Group 15.—NONFERROUS METALS AND THEIR PRODUCTS

(1) Alloying; and rolling and drawing of nonferrous metals, except aluminum; (2) nonferrous-metal foundries (except aluminum); and (3) nonferrous-metal products not elsewhere classified.—Formerly one industry, "Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified."

(1) Aluminum products (including rolling and drawing and extruding), not elsewhere classified; and (2) aluminum ware, kitchen, hospital, and household (except electrical appliances).—Formerly one industry, "Aluminum products."

Clocks, watches, and materials and parts (except watchcases).—Title changed from "Clocks, watches, time-recording devices, and materials and parts except watchcases."

Electroplating, plating, and polishing.—Title changed from "Electroplating."

Engraving on metal (except for printing purposes).—Title changed from "Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking," and industry transferred from Group 8.—Printing, Publishing, and Allied Industries.

Fire extinguishers, chemical.—Transferred to Group 20.—Miscellaneous Industries group.

Gold and silver leaf and foil.—Title changed from "Gold leaf and foil."

Jewelry (precious metals).—Title changed from "Jewelry." Establishments primarily engaged in the manufacture of costume jewelry, formerly classified in this industry, have been transferred to the "Costume jewelry and costume novelties (Jewelry other than fine jewelry)" industry, Group 20.

Lapidary work.—Transferred from the "Miscellaneous industries" group.

Lighting fixtures.—Title changed from "Lighting equipment."

Needles, pins, hooks and eyes, and slide and snap fasteners.—Transferred to Group 20.—Miscellaneous Industries.

Primary smelting and refining of nonferrous metals.—New industry, products of which were formerly classified in the industries "Chemicals not elsewhere classified," "Smelting and refining, copper," "Smelting and refining, lead," and "Smelting and refining, zinc."

Secondary smelting and refining, gold, silver, and platinum.—Title changed from "Gold, silver, and platinum, refining and alloying."

Secondary smelting and refining of nonferrous metals, not elsewhere classified.—Title changed from "Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore."

Tin and other foils (except gold and silver foil).—Title changed from "Tin and other foils, not including gold foil."

#### Group 16.—ELECTRICAL MACHINERY

[New group, industries of which were formerly classified in the abandoned industry group "Machinery, not including transportation equipment." See also Group 17.—Machinery (except electrical)]

(1) Automotive electrical equipment; (2) batteries, storage and primary (dry and wet); (3) carbon products for the electrical industry, and manufactures of carbon or artificial graphite; (4) communication equipment; (5) electric lamps; (6) electrical appliances; (7) electrical measuring instruments; (8) electrical products not elsewhere classified; (9) generating, distribution, and industrial apparatus, and apparatus for incorporation in manufactured products, not elsewhere classified; (10) insulated wire and cable; (11) wiring devices and supplies; and (12) X-ray and therapeutic apparatus and electronic tubes.—New industry classifications, products of which were formerly classified in the abandoned industry "Electrical machinery, apparatus, and supplies."

#### Group 17.—MACHINERY (EXCEPT ELECTRICAL)

[New group, industries of which were formerly classified in the abandoned industry group "Machinery, not including transportation equipment." See also Group 16.—Electrical machinery]

(1) Agricultural machinery (except tractors); and (2) tractors.—Formerly one industry, "Agricultural implements (including tractors)." Establishments primarily engaged in the manufacture of windmills and windmill towers, previously classified in the industry formerly designated as "Engines, turbines, water wheels, and windmills," and of lawn mowers, formerly classified in the abandoned industry "Machinery not elsewhere classified," have been transferred to the "Agricultural machinery (except tractors)" industry.

(1) Blowers: exhaust and ventilating fans; (2) cars and trucks, industrial; (3) commercial laundry, dry-cleaning, and pressing machinery; (4) elevators, escalators, and conveyors; (5) food-products machinery; (6) industrial machinery, not elsewhere classified; (7) mining machinery and equipment; (8) oil-field machinery and tools; (9) paper-mill, pulp-mill, and paper-products machinery; (10) special-industry machinery, not elsewhere classified; (11) stokers, mechanical, domestic and industrial; (12) vending, amusement, and other coin-operated machines; and (13) woodworking machinery.—Formerly one industry, "Machinery not elsewhere classified."

Construction and similar machinery (except mining and oil-field machinery and tools).—Title changed from "Cranes and dredging, excavating, and road-building machinery." Establishments primarily engaged in the manufacture of concrete mixers and dredges, formerly classified in the abandoned industry "Machinery not elsewhere classified," have been transferred to this industry.

(1) Internal-combustion engines; and (2) steam engines, turbines, and water wheels.—Formerly one industry, "Engines, turbines, water wheels, and windmills." Establishments primarily engaged in the manufacture of aircraft engines and of windmills and windmill towers, formerly classified in the abandoned industry "Engines, turbines, water wheels, and windmills," have been transferred to the "Aircraft and parts, including aircraft engines" industry and the "Agricultural machinery (except tractors)" industry.

**Laundry equipment, domestic.**—Title changed from "Washing machines, wringers, driers, and ironing machines, for household use."

(1) **Machine-shop products, not elsewhere classified; and (2) machine-shop repairs.**—Formerly one industry, "Machine-shop products." (See also the "Mechanical power-transmission equipment" industry.) The manufacture of flat bright cold-rolled strip steel, cold-rolled sheets, and cold-finished steel bars, formerly classified in the abandoned industry "Machine-shop products," has been transferred to the new industry classification "Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connection with hot-rolling mills." Gages, formerly classified as products of the abandoned industry "Machine-shop products," have been assigned as products of the "Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks)" industry.

**Machine-tool and other metalworking-machinery accessories, metal-cutting and shaping tools, and machinists' precision tools.**—Title changed from "Machine-tool accessories and machinists' precision tools."

**Machine tools.**—Industry revised to exclude establishments primarily engaged in the manufacture of metalworking machinery (other than machine tools), which have been transferred to the new industry classification "Metalworking machinery and equipment, not elsewhere classified."

(1) **Measuring and dispensing pumps; and (2) pumping equipment and air compressors.**—Formerly one industry, "Pumps (hand and power), pumping equipment, and air compressors."

**Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks).**—New industry classification, products of which were classified in the former industries "Cash registers, adding and calculating machines, and other business machines except typewriters," "Machinery not elsewhere classified," "Machine-shop products," and "Instruments and apparatus, professional, scientific, commercial, and industrial."

**Mechanical power-transmission equipment.**—New industry, products of which were formerly classified in the abandoned industries "Machinery not elsewhere classified" and "Machine-shop products."

**Metalworking machinery and equipment, not elsewhere classified.**—New industry, products of which were previously classified in the former industries "Machine tools" and "Machinery not elsewhere classified."

**Office and store machines not elsewhere classified.**—New industry, products of which were formerly classified in the abandoned industries "Typewriters and parts," "Cash registers, adding and calculating machines, and other business machines except typewriters," and "Machinery not elsewhere classified."

**Printing-trades machinery and equipment.**—Title changed from "Printers' machinery and equipment."

**Refrigerators, domestic (mechanical and absorption), refrigeration machinery and equipment, and complete air-conditioning units.**—Title changed from "Refrigerators and refrigerating and ice-making apparatus."

**Sewing machines, domestic and industrial.**—Title changed from "Sewing machines and attachments."

**Textile machinery.**—Title changed from "Textile machinery and parts."

#### Group 18.—AUTOMOBILES AND AUTOMOBILE EQUIPMENT

[New group, industries of which were formerly classified in the abandoned industry group "Transportation equipment, air, land, and water." See also Group 19.—Transportation equipment except automobiles]

**Automobile trailers (for attachment to passenger cars).**—New industry, products of which were formerly classified in the

abandoned industry "Motor-vehicle bodies and motor-vehicle parts."

**Motor vehicles, motor-vehicle bodies, parts and accessories.**—New industry, products of which were formerly classified in the abandoned industries "Motor vehicles, not including motor-cycles" and "Motor-vehicle bodies and motor-vehicle parts."

#### Group 19.—TRANSPORTATION EQUIPMENT EXCEPT AUTOMOBILES

[New group, industries of which were formerly classified in the abandoned industry group "Transportation equipment, air, land, and water." See also Group 18.—Automobiles and automobile equipment]

**Aircraft and parts, including aircraft engines.**—Title changed from "Aircraft and parts." Establishments primarily engaged in the manufacture of aircraft engines, formerly classified in the abandoned "Engines, turbines, water wheels, and windmills" industry have been transferred to this industry.

(1) **Boat building and boat repairing; and (2) shipbuilding and ship repairing.**—Formerly one industry, "Ship and boat building, steel and wooden, including repair work."

**Cars, and car equipment—railroad, street, and rapid-transit.**—Title changed from "Cars, electric and steam railroad, not built in railroad repair shops."

**Locomotives (including frames) and parts: railroad, mining, and industrial.**—Title changed from "Locomotives, railroad, mining, and industrial, not built in railroad repair shops."

**Transportation equipment not elsewhere classified.**—Formerly entitled "Carriages, wagons, sleighs, and sleds."

#### Group 20.—MISCELLANEOUS INDUSTRIES

**Beauty-shop and barber-shop equipment.**—Title changed from "Beauty-shop equipment, except furniture."

**Brushes.**—Title changed from "Brushes, other than rubber."

**Children's vehicles.**—Title changed from "Carriages and sleds, children's."

**Cigarettes.**—Transferred to Group 2.—Tobacco manufactures.

**Cigars.**—Transferred to Group 2.—Tobacco manufactures.

**Costume jewelry and costume novelties (jewelry other than fine jewelry).**—New industry, products of which were previously classified in the industries formerly designated as "Miscellaneous articles not elsewhere classified" and "Jewelry."

**Dental equipment and supplies.**—Title changed from "Dentists' equipment and supplies."

(1) **Dolls (except rubber); and (2) games and toys (except dolls and children's vehicles).**—Formerly one industry, "Toys (not including children's wheel goods or sleds), games, and playground equipment."

**Fabricated plastic products, not elsewhere classified.**—New industry, products of which were classified in the former industry "Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified."

**Feathers, plumes, and artificial flowers.**—New industry, comprising establishments formerly classified in the abandoned industries "Artificial and preserved flowers and plants" and "Feathers, plumes, and manufactures thereof."

**Fire extinguishers, chemical.**—Transferred from Group 15.—Nonferrous Metals and Their Products.

**Fur goods—contract factories; and fur goods—regular factories.**—Combined as one industry, "Fur coats and other fur garments, accessories, and trimmings," and transferred to Group 4.—Apparel and Other Finished Products Made From Fabrics and Similar Materials.

**Hand stamps, stencils, and brands.**—Title changed from "Hand stamps and stencils and brands."

**Jewelry cases and instrument cases.**—Title changed from "Jewelry and instrument cases."

**Lampshades.**—New industry, products of which were classified in the former industry "Miscellaneous articles not elsewhere classified."

**Lapidary work.**—Transferred to Group 15.—Nonferrous Metals and Their Products.

**Mattresses and bedsprings.**—Transferred to Group 6.—Furniture and Finished Lumber Products.

**Miscellaneous fabricated products not elsewhere classified.**—New industry classification, products of which were formerly classified in the abandoned industries "Theatrical scenery and stage equipment" and "Miscellaneous articles not elsewhere classified."

**Models and patterns (except paper patterns).**—Title changed from "Models and patterns, not including paper patterns."

**Musical instruments, parts, and materials not elsewhere classified.**—Title changed from "Musical instruments and parts and materials, not elsewhere classified."

**Needles, pins, hooks and eyes, and slide and snap fasteners.**—Transferred from Group 15.—Nonferrous Metals and Their Products.

**(1) Ophthalmic goods: lenses and fittings; and (2) optical instruments and lenses.**—Formerly one industry, "Optical goods."

**Pencils (except mechanical) and crayons.**—Title changed from "Pencils, lead (including mechanical) and crayons." Mechanical pencils, formerly classified in this industry, have been transferred to the new industry designated as "Pens, mechanical pencils, and pen points."

**Pens, mechanical pencils, and pen points.**—New industry, products of which were classified in the former industries "Pens, fountain and stylographic; pen points, gold, steel, and brass" and "Pencils, lead (including mechanical) and crayons."

**Photographic apparatus and materials and projection equipment (except lenses).**—Title changed from "Photographic apparatus and materials and projection apparatus."

**Piano and organ parts and materials.**—Title changed from "Piano and organ materials."

**(1) Professional and scientific instruments (except surgical and dental); and (2) surgical and medical instruments.**—Formerly one industry, "Instruments and apparatus, professional, scientific, commercial, and industrial."

**Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.**—Title changed to "Roofing, built-up and roll; asphalt shingles; roof coating (except paint)," and industry transferred to Group 10.—Products of Petroleum and Coal.

**Signs, advertising displays, and advertising novelties.**—Title changed from "Signs and advertising novelties."

**Soda fountains, beer dispensing equipment, and related products.**—Title changed from "Soda fountains and related products."

**Sporting and athletic goods not elsewhere classified.**—New industry, products of which were formerly classified in the abandoned industries "Billiard and pool tables, bowling alleys, and accessories" and "Sporting and athletic goods, not including firearms or ammunition."

**Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.**—Title changed to "Steam and other packing, pipe and boiler covering," and industry transferred to Group 13.—Stone, Clay, and Glass Products.

**Surgical supplies and equipment not elsewhere classified; orthopedic appliances.**—Title changed from "Surgical and orthopedic appliances and related products."

**Tobacco (chewing and smoking) and snuff.**—Transferred to Group 2.—Tobacco Manufactures.

**Tobacco pipes and cigarette holders.**—Title changed from "Pipes (tobacco)."

**Window shades (textile and paper) and fixtures.**—Title changed to "Window shades," and industry transferred to Group 6.—Furniture and Finished Lumber Products.



## GENERAL SUMMARY

**Introduction.**—The Census of Manufactures dates back to 1810, when, on the recommendation of the Secretary of the Treasury, Congress amended the census act to authorize a canvass of manufactures and to provide funds for it. The United States became thereby the first Nation to establish a census of industry. The census of 1810, taken by the United States marshals without the use of formal schedules, covered imperfectly the industrial activities of the country at that time. The chief value of the statistics lies in the analysis of them by Tench Coxe, who was appointed by the Secretary of the Treasury to tabulate and interpret the returns.

The annual report of the Treasury Department for 1855 gives manufactures statistics or estimates for the four decennial census years from 1810 to 1840. According to this report, the value of products for 1810, based upon the incomplete census returns, Coxe's estimates, and Treasury revisions, was \$145,000,000.

Although the census of 1820 was so imperfectly taken that Congress refused to authorize the publication of the figures, the Treasury Department, in the document referred to above, reported \$53,000,000 as the value of products for that year, unquestionably a gross understatement of the actual value of industrial production.

The Census of Manufactures was omitted entirely in 1830, but on the basis of returns made from 10 States in compliance with a congressional resolution of 1832, the Treasury estimated the value of products for 1830 at \$113,000,000.

The report of the census of 1840, the most accurate and comprehensive canvass of industry up to that time, gave \$483,000,000 as the value of manufactured products. Although in prior years there had been a beginning of production by the factory method, particularly of textiles and iron, it was not until about this time that the factory method began to be extended rapidly to other products which entered into competition in the market with hand-made goods.

Until about the middle of the nineteenth century, however, the bulk of general manufacturing was done in the neighborhood shop and in the household rather than in the factory. The census for 1849 is, therefore, the starting point for properly comparable statistics of manufactures, although not until the census for 1899 was there any satisfactory line of demarcation between the shop or household and the factory. Comparative statistics for the censuses for 1849 and subsequent years are given in table 2, page 19.

The impetus given by the factory system to the improvement of mechanical equipment is indicated by the increase in the number of patents issued, from an average of 350 per annum during the period 1801-50 to a yearly average of more than 5,000 for the period 1851-70.

Not until the decade 1859-69 did it become apparent that the complete supply of most staple commodities for the home market was within the capacity of domestic production. Manufacturing began about this time to be carried on in larger plants, and as a result the census for 1879 showed considerable increases both in wage earners and in value of output, but recorded a gain of less than 1 percent in the number of industrial establishments.

By the close of the decade 1879-89 the value of manufactures exceeded that of agricultural products. By this time, the full effect of machine manufacture was beginning to be felt, and capital and markets were expanding rapidly. The decade from 1889 to 1899, while showing a smaller percentage of increase in value of products than any prior decade for which comparable statistics were available, was important as marking the entrance of the United States into international trade in manufactures and the development of the corporate form of organization.

The Census of Manufactures was taken quinquennially from 1899 to 1919, and biennially from 1921 to 1939.

The statistical tables in this report present the results of the 1939 census, with comparative figures for earlier years. It will be found that in some cases the figures for the years prior to 1937 are not identical with those previously published. The differences are due to changes made as a result of the changes outlined in section 9 of the General Explanations.

Manufacturing establishments with products valued at \$2,000 or more in Alaska, Hawaii, and Puerto Rico were canvassed for the 1939 census with simplified questionnaires, and the results are summarized in table 1 of this chapter. More detailed statistics on manufacturing in Alaska, Hawaii, and Puerto Rico follow the reports for States.

Statistics for the industrial areas, which were established at the 1929 census, have been included in the reports for all subsequent censuses and are presented in three tables in volume I. These tables rank the areas according to wage earners employed and also give the rank according to cost of materials, value of products,

and value added by manufacture, which differ in many cases from the rank by number of wage earners.

Summary statistics are given also in volume I for all counties in the continental United States in which 2,500 or more manufacturing wage earners were employed, the counties being ranked according to wage earners. Another table gives summary figures for each county in which 10,000 or more manufacturing wage earners were employed and for the most important county in each State in which no county reported as many as 10,000 manufacturing wage earners.

**Manufacturing production as measured by physical volume.**—The Census of Manufactures constitutes the most complete single source of data on manufacturing production, and analysts frequently have employed figures from this census on total value of products or the total value added by manufacture to measure changes in industrial production. The validity of either of these measures for this purpose is questionable because they reflect price changes as well as increases or decreases in the physical volume of commodity output. Although the number of wage earners serves as one indicator of changes in manufacturing activity, it should only be used in conjunction with other measures because it ignores differences in number of hours worked, degree of mechanization of the industry, and differences in the value of different individuals' work.

A more accurate measure of total manufacturing production can be derived from statistics of physical quantities of commodities produced. An index based on physical quantities must be weighted to take account of the different degrees of fabrication which have been performed on the commodities included in the index. The assignment of this relative economic importance to various commodities has been carried out by weighting commodities in an industry by the increment to the values of those goods made by the industry in which those goods are classified—that is, the industry's value added by manufacture.

A study of the physical volume of manufacturing output as disclosed by census figures was made for the Bureau of the Census by Edmund E. Day and Woodlief Thomas. Their conclusions, based largely on a production index number of their construction covering the years 1899 to 1925, were published in 1928 under the title "The Growth of Manufactures," as one of a series of Census monographs.

The Day-Thomas index of physical volume of manufactured products was extended subsequently for each biennial census year through 1937, and published in the Census of Manufactures volumes. However, over this

period of time the index was becoming inadequate in its coverage of manufacturing production. The technical methods of its construction made difficult the inclusion of new industries as they arose in the economy. The omission of new industries resulted in an index which understated the increase in physical output. Thus, it became increasingly evident that a revision of the index was imperative.

In 1940 a new index of the physical output of manufacturing production was computed by Solomon Fabricant for the National Bureau of Economic Research. This index takes account of new industries in the economy, the increased coverage of statistics of physical output collected by the Bureau of the Census for old industries, and changes in the Census industrial classifications. Although the direction of movement between census years is usually the same for the two indexes, the National Bureau index shows a much greater rate of growth of manufacturing production over a long period of time than does the Census index.

The National Bureau of Economic Research index for all manufacturing industries combined is reproduced in table 3 of this volume, together with indexes of population growth, wage earners, and production per wage earner. Production indexes for individual industries and groups of industries from 1899 to 1937, as well as a description of the methods of construction of these indexes, may be found in Dr. Fabricant's volume "The Output of Manufacturing Industries, 1899-1937" (National Bureau of Economic Research, 1940).

The population index is based upon the estimates by the Bureau of the Census of the population of the continental United States as of July 1 of each biennial manufactures census year.

The wage earner index is computed by dividing the number of wage earners (average for the year) employed in manufacturing establishments in 1899 into the average number for each census year and multiplying the quotient by 100. The number of wage earners in 1899 was adjusted to eliminate those employed in establishments whose value of products was under \$5,000. An approximate adjustment was made in the number of wage earners reported in the 1939 census to attain better comparability with the wage earner figures for previous censuses. The adjustment was made necessary by the change in the method of reporting wage earners.

The figures for "Production per wage earner" are determined by dividing the index of physical output for each census year by the wage earner index for that year.

# GENERAL SUMMARY

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TABLE 1.—COMBINED SUMMARY FOR CONTINENTAL UNITED STATES, ALASKA, HAWAII, AND PUERTO RICO: 1939

ITEM	Aggregate	Continental United States	OUTLYING AREAS			
			Total	Alaska	Hawaii	Puerto Rico
Number of establishments.....	185,732	184,230	1,502	1,230	1,474	1,798
Persons engaged.....	9,110,525	9,058,829	51,606	5,467	19,518	26,711
Proprietors and firm members.....	125,079	123,655	1,424	151	320	953
Salaries officers and employees <sup>1</sup> .....	1,053,577	1,048,907	4,970	500	2,195	2,274
Wage earners (average for year).....	7,931,869	7,886,567	45,302	4,816	17,002	23,484
Salaries and wages.....	\$11,666,325,260	\$11,630,298,286	\$36,026,974	\$8,032,271	\$15,319,005	\$12,675,698
Salaries of officers and employees.....	2,548,821,794	2,540,357,370	8,404,424	1,148,283	3,860,694	3,455,447
Wages.....	9,117,503,466	9,089,940,916	27,562,550	6,883,988	11,458,311	9,220,251
Cost of materials, fuel, and electric energy.....	32,332,955,886	32,160,106,681	172,849,205	20,916,757	75,651,675	76,280,773
Value of products.....	57,127,345,141	56,843,024,800	234,320,341	38,815,436	134,005,264	111,499,641
Value added by manufacture.....	24,794,389,255	24,682,918,119	111,471,136	17,898,679	58,353,589	35,218,868

<sup>1</sup> Establishments that made products to the value of \$2,000 or more.

<sup>2</sup> Not including employees of central-administrative offices.

TABLE 2.—SUMMARY FOR ALL MANUFACTURING INDUSTRIES, FOR CONTINENTAL UNITED STATES: 1849 TO 1939

	Number of establishments	Wage earners (average for the year)	Wages	Cost of materials, supplies, fuel, and purchased energy <sup>1</sup>	Value of products <sup>1</sup>	Value added by manufacture <sup>2</sup>
FACTORIES AND HAND AND NEIGHBORHOOD INDUSTRIES						
1849 <sup>3</sup> .....	123,025	957,059	\$236,755,464	\$555,123,882	\$1,019,100,616	\$463,982,734
1859 <sup>3</sup> .....	140,433	1,311,246	\$378,878,966	\$1,061,005,092	\$1,855,861,076	\$854,250,584
Percent of increase, 1849 to 1859.....	14.1	37.0	60.0	85.8	85.1	84.1
1869 <sup>3</sup> .....	262,148	2,053,996	\$620,467,474	\$1,900,741,794	\$3,385,860,354	\$1,395,118,560
Percent of increase, 1859 to 1869.....	79.6	56.6	63.8	83.0	70.5	63.3
1879 <sup>3</sup> .....	253,852	2,732,595	\$647,953,795	\$3,306,823,540	\$5,369,570,191	\$1,972,755,642
Percent of increase, 1869 to 1879.....	0.7	33.0	52.8	70.6	58.6	41.4
1889 <sup>3</sup> .....	355,405	4,251,535	\$1,891,219,696	\$5,162,013,878	\$9,372,378,843	\$4,210,364,965
Percent of increase, 1879 to 1889.....	40.0	55.6	90.5	52.0	74.5	113.4
FACTORIES, EXCLUDING HAND AND NEIGHBORHOOD INDUSTRIES <sup>4</sup>						
1899 <sup>3</sup> .....	204,760	4,501,919	\$1,892,573,748	\$6,385,969,902	\$11,032,950,872	\$4,646,980,880
Percent of increase or decrease (—), 1889 to 1899.....	-42.4	5.9	0.1	23.7	17.7	10.4
1904 <sup>3</sup> .....	213,444	5,181,600	\$2,440,851,241	\$8,233,790,346	\$14,252,061,195	\$6,019,170,849
Percent of increase, 1899 to 1904.....	4.2	15.1	20.0	28.9	29.2	29.5
1909 <sup>3</sup> .....	264,826	6,262,242	\$3,205,547,695	\$11,783,100,069	\$19,945,249,356	\$8,162,080,287
Percent of increase, 1904 to 1909.....	24.1	20.9	31.3	43.1	39.9	35.6
1914 <sup>3</sup> .....	173,557	6,475,557	\$3,709,448,888	\$13,811,422,399	\$23,049,032,203	\$9,238,209,804
Percent of increase or decrease (—), 1909 to 1914.....	-34.5	3.4	15.7	17.2	15.6	13.2
1919 <sup>3</sup> .....	210,268	8,423,064	\$9,611,001,703	\$36,229,015,070	\$59,964,026,770	\$23,735,011,700
Percent of increase, 1914 to 1919.....	21.1	30.1	159.1	162.3	160.2	156.9
1921 <sup>3</sup> .....	192,059	6,475,474	\$7,451,299,132	\$24,397,078,171	\$41,649,852,884	\$17,252,774,713
Percent of decrease (—), 1919 to 1921.....	-8.7	-23.1	-22.5	-32.7	-30.5	-27.3
1923 <sup>3</sup> .....	192,096	8,194,170	\$10,148,623,869	\$33,611,809,366	\$58,181,296,391	\$24,569,487,025
Percent of increase, 1921 to 1923.....	( <sup>5</sup> )	26.5	36.2	37.8	39.7	42.4
1925 <sup>3</sup> .....	183,877	7,871,409	\$9,979,649,153	\$35,141,601,111	\$60,809,224,803	\$25,667,623,692
Percent of increase or decrease (—), 1923 to 1925.....	-4.3	-3.9	-1.7	4.6	4.5	4.5
1927 <sup>3</sup> .....	187,629	7,848,070	\$10,090,465,140	\$34,010,074,864	\$60,335,468,901	\$26,325,394,037
Percent of increase or decrease (—), 1925 to 1927.....	2.0	-0.3	1.2	-3.2	-0.8	2.6
1929 <sup>3</sup> .....	206,663	8,369,705	\$10,884,919,296	\$37,402,605,796	\$67,904,010,824	\$30,591,435,028
Percent of increase, 1927 to 1929.....	10.1	6.6	7.8	10.0	12.7	16.2
1931 <sup>3</sup> .....	171,450	6,163,144	\$6,688,541,286	\$21,220,356,201	\$39,829,887,899	\$18,600,531,695
Percent of decrease (—), 1929 to 1931.....	-17.0	-26.4	-38.6	-43.2	-41.4	-39.2
1933 <sup>3</sup> .....	139,325	5,787,611	\$4,940,146,002	\$16,549,788,096	\$30,557,328,149	\$14,007,540,053
Percent of decrease (—), 1931 to 1933.....	-18.7	-6.1	-26.1	-22.0	-23.3	-24.7
1935 <sup>3</sup> .....	167,916	7,203,794	\$7,311,329,029	\$26,441,145,271	\$44,963,698,573	\$18,552,553,302
Percent of increase, 1933 to 1935.....	20.5	24.5	48.0	59.8	47.2	32.4
1937 <sup>3</sup> .....	166,794	8,569,231	\$10,112,882,711	\$35,539,332,824	\$60,712,871,737	\$25,173,538,913
Percent of increase or decrease (—), 1935 to 1937.....	-0.7	19.0	38.3	34.4	34.9	35.7
1939 <sup>3</sup> .....	184,230	7,886,567	\$9,089,940,916	\$32,160,106,681	\$56,843,024,800	\$24,682,918,119
Percent of increase or decrease (—), 1937 to 1939.....	10.5	-8.0	-10.1	-9.5	-6.4	-1.0

<sup>1</sup> See GENERAL EXPLANATIONS—Duplication in cost of materials and value of products.

<sup>2</sup> Value of products less cost of materials, supplies, fuel, and purchased energy. See GENERAL EXPLANATIONS—Value added by manufacture.

<sup>3</sup> For all establishments having products valued at \$500 or more. See GENERAL EXPLANATIONS—Establishments covered—minimum size limit.

<sup>4</sup> Reduced to gold basis.

<sup>5</sup> The figures for 1899 to 1929, inclusive, have been revised by the deduction of the data for railroad repair shops (both steam and electric), for the industries "Coffee and spice, roasting and grinding," "Flax and hemp, dressed," "Gas, manufactured, illuminating and heating," and "Peanuts, walnuts, and other nuts, processed or shelled," and also for "Motion pictures, not including projection in theaters," where the figures had not been previously deducted. The figures for 1914 and 1919 are not, in all cases, strictly comparable, as not every item was tabulated separately for establishments reporting products valued at less than \$5,000 and therefore the information necessary for making such adjustments was not available in all cases.

<sup>6</sup> For all establishments having products valued at \$5,000 or more. See GENERAL EXPLANATIONS—Establishments covered—minimum size limit.

<sup>7</sup> The figures for the "Automobile repairing" industry have been deducted from the statistics for 1914 and 1919, the only years for which this industry was canvassed.

<sup>8</sup> Less than one-tenth of 1 percent.

<sup>9</sup> Includes cost of contract work.

<sup>10</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work. Not strictly comparable with figures for years prior to 1935.

## CENSUS OF MANUFACTURES: 1939

TABLE 3.—INDEXES FOR POPULATION, WAGE EARNERS, AND PRODUCTION: 1899 TO 1939

[For explanation of methods used in computing indexes in this table, see "Manufacturing production as measured by physical volume," of the General Summary, p. 18]

CENSUS YEAR	Population	Wage earners	Production <sup>1</sup> (quantity)	Production per wage earner	CENSUS YEAR	Population	Wage earners	Production <sup>1</sup> (quantity)	Production per wage earner
1899	100	100	100	100	1927	158	178	317	178
1904	110	115	124	108	1929	162	190	304	192
1909	121	139	158	114	1931	166	140	262	187
1914	131	147	186	127	1933	168	131	228	174
1919	140	191	222	116	1935	170	163	301	185
1921	146	147	194	132	1937	172	194	376	194
1923	149	186	280	151	1939	175	187	373	199
1925	154	178	298	167					

<sup>1</sup> The index of physical output is that computed by Dr. Solomon Fabricant for the National Bureau of Economic Research and is presented here by their permission.  
<sup>2</sup> Revised.

TABLE 4.—COMBINED GENERAL STATISTICS FOR ALL MANUFACTURING INDUSTRIES, FOR CONTINENTAL UNITED STATES: 1899 TO 1939

The figures for the years 1899 to 1929 in this table have been revised by deducting data for railroad repair shops (both steam and electric), for the "Gas manufactured, illuminating and heating," "Coffee and spice, roasting and grinding," "Flax and hemp, dressed," "Grindstones," and "Peanuts, walnuts, and other nuts, processed or shelled" industries, and for "Motion pictures, not including projection in theaters" (where data for these had not previously been subtracted). It was not possible in all cases to obtain strictly comparable figures by this method, as data for establishments reporting less than \$5,000 for products were not tabulated for each item for each industry. The figures for 1899-1909 include data for establishments reporting products between \$500 and \$5,000 in value; those for all other years relate to establishments reporting products valued at \$5,000 or more. The figures for 1914 and 1919 are not strictly comparable, as not all items were tabulated by industries for the establishments having products valued at less than \$5,000, and thus the data necessary for making adjustments were not available.

YEAR OR PERIOD	Number of establishments	Proprietors and firm members	Salaried officers and employees	Wage earners (average for year)	HORSEPOWER (RATED CAPACITY) OF POWER EQUIPMENT	
					Prime movers	Motors run by purchased energy
1899	184,230	123,655	1,048,607	7,886,567	21,230,105	29,213,085
1907	160,794	99,208	1,217,171	8,568,231	( <sup>1</sup> )	( <sup>1</sup> )
1909	107,016	81,521	1,068,501	7,203,794	( <sup>2</sup> )	( <sup>2</sup> )
1913	139,325	72,267	1,770,314	5,787,611	( <sup>3</sup> )	( <sup>3</sup> )
1914	171,450	( <sup>4</sup> )	( <sup>4</sup> )	6,163,144	( <sup>5</sup> )	( <sup>5</sup> )
1929	206,063	132,686	1,290,037	8,369,705	19,328,309	21,793,762
1927	187,029	132,151	1,223,982	7,848,070	18,901,517	18,224,482
1925	183,877	132,971	1,180,362	7,871,409	19,243,158	15,116,326
1923	192,090	147,958	1,280,488	8,194,170	( <sup>6</sup> )	( <sup>6</sup> )
1921	192,059	172,291	1,081,890	6,475,474	( <sup>7</sup> )	( <sup>7</sup> )
1919 <sup>8</sup>	210,208	249,881	1,371,888	8,423,964	19,432,157	8,965,406
1914 <sup>9</sup>	173,575	258,590	911,809	6,475,667	17,857,609	3,707,414
1909	204,820	272,420	750,537	6,262,242	10,393,487	1,669,226
1904	213,444	225,115	493,297	5,181,660	12,604,474	427,749
1899	204,760	( <sup>10</sup> )	348,100	4,501,019	9,633,215	178,176

YEAR OR PERIOD	SALARIES AND WAGES			Cost of materials, supplies, fuel, and purchased electric energy	Value of products	Value added by manufacture
	Total	Salaries	Wages			
1899	\$11,630,298,236	\$2,540,357,370	\$9,089,940,916	\$32,160,109,681	\$56,843,024,800	\$24,682,918,119
1907	12,829,748,927	2,716,866,216	10,112,882,711	35,539,332,824	60,712,871,737	25,173,538,913
1909	9,564,753,906	2,253,424,877	7,311,329,029	26,441,145,271	44,093,698,573	18,562,553,302
1913	6,237,800,399	1,297,654,397	4,940,146,002	16,549,788,096	30,557,328,149	14,007,540,053
1914	( <sup>1</sup> )	( <sup>1</sup> )	6,688,541,286	21,229,356,201	39,820,887,696	18,600,531,695
1929	14,284,282,015	3,399,302,719	10,884,919,296	37,402,605,796	67,994,040,824	30,591,435,028
1927	13,123,134,828	3,023,669,688	10,099,465,140	34,010,074,864	60,335,468,901	26,325,394,037
1925	12,732,193,745	2,752,544,592	9,979,649,153	35,141,601,111	60,809,224,803	25,607,623,692
1923	12,996,458,801	2,847,836,022	10,148,623,869	33,611,809,366	58,181,296,391	24,569,487,025
1921	9,870,198,976	2,418,899,844	7,451,299,132	24,397,078,171	41,640,852,684	17,262,774,713
1919 <sup>4</sup>	12,373,906,800	2,762,905,098	9,611,001,702	30,229,015,070	59,964,028,770	23,735,011,700
1914 <sup>5</sup>	4,031,104,226	1,221,655,338	3,709,448,888	13,811,422,369	23,049,632,203	9,238,209,804
1909	4,106,201,312	900,633,617	3,205,567,695	11,783,160,069	19,945,240,356	8,162,089,287
1904	2,900,024,296	550,073,055	2,349,951,241	8,233,790,346	14,252,961,195	6,019,170,849
1899	2,258,653,748	366,080,000	1,892,573,748	6,385,969,902	11,032,950,872	4,646,980,880

<sup>1</sup> Not called for on schedule.

<sup>2</sup> Figures not available.

<sup>3</sup> Not including data for salaried officers of corporations and their salaries and therefore not strictly comparable with figures for other years.

<sup>4</sup> No data.

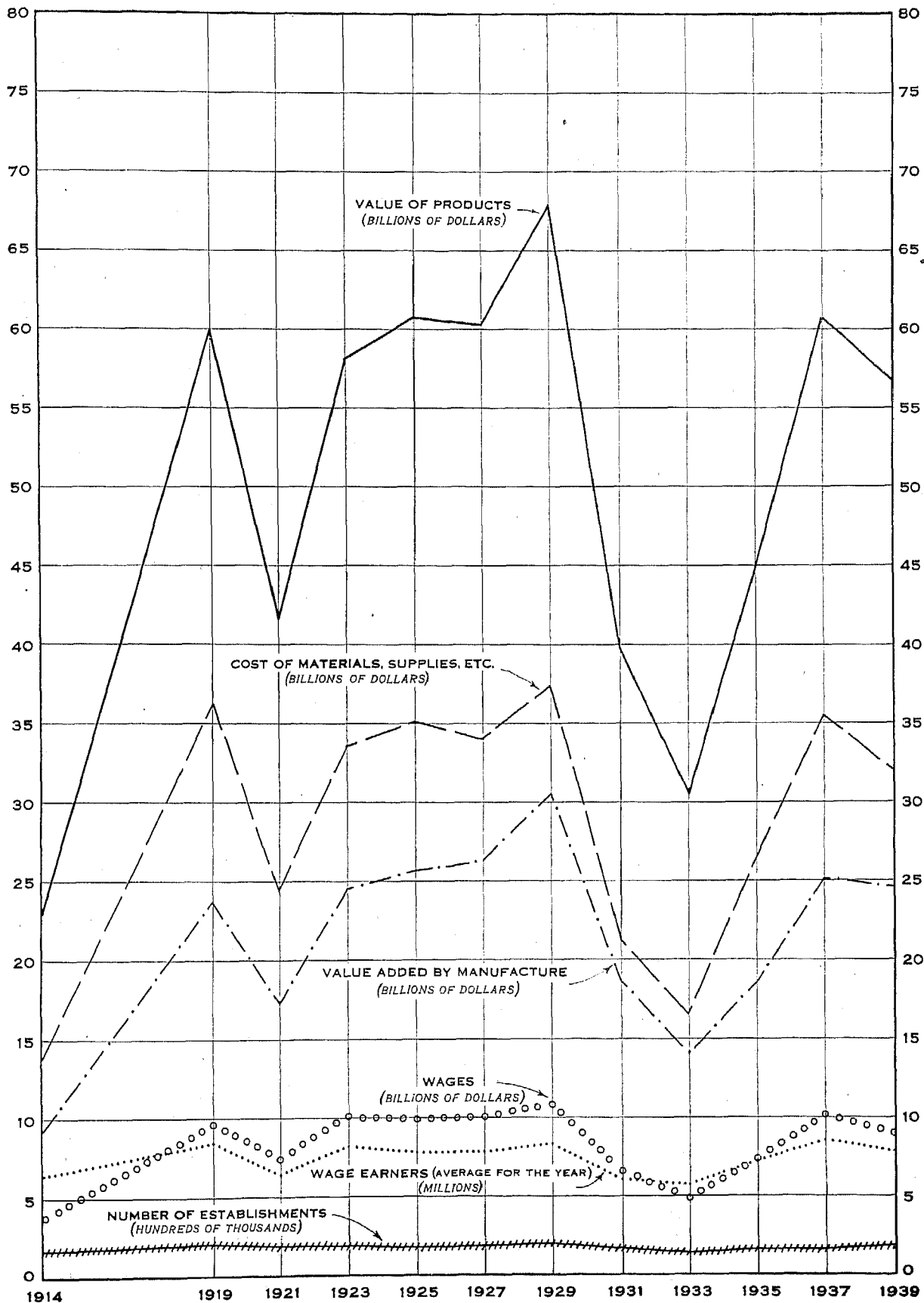
<sup>5</sup> The figures for the "Automobile repairing" industry have been deducted from the statistics for 1914 and 1919, the only years for which this industry was canvassed.

<sup>6</sup> No comparable data.

# GENERAL SUMMARY

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GRAPHIC SUMMARY FOR MANUFACTURING INDUSTRIES: 1914 TO 1939



## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1, 2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Dis-tribution	Con-struction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
1	All industries, total	184,230	123,653	9,622,923	139,350	909,257	7,886,567	583,364	70,887	33,498	\$12,836,584,293	\$756,910,428	\$1,783,446,942
GROUP													
2	Food and kindred products	51,448	40,837	1,132,625	20,645	92,528	823,693	173,885	8,620	13,248	1,465,558,100	97,839,198	164,114,322
3	Tobacco manufactures	793	694	90,035	412	4,345	87,525	3,101	148	504	86,772,440	2,687,460	8,668,288
4	Textile-mill products and other fiber manufactures	6,444	2,324	1,163,451	8,111	54,573	1,082,602	14,805	1,771	1,589	1,095,020,093	50,792,248	100,533,176
5	Apparel and other finished products made from fabrics and similar materials	20,206	16,888	849,464	15,572	37,140	751,377	42,720	443	2,212	861,294,405	71,700,729	58,882,060
6	Lumber and timber basic products	11,520	10,066	398,575	4,660	19,956	360,613	8,962	3,099	1,285	380,672,829	18,399,732	33,198,489
7	Furniture and finished lumber products	8,457	5,336	344,956	7,501	24,804	293,570	17,558	710	813	382,166,885	32,576,230	40,719,727
8	Paper and allied products	3,279	839	316,121	4,225	26,840	204,716	14,808	4,933	599	434,797,264	29,768,469	55,107,927
9	Printing, publishing, and allied industries	24,878	18,147	552,505	18,937	124,000	324,535	84,108	749	116	977,702,397	99,710,764	231,852,004
10	Chemicals and allied products	9,203	3,398	404,249	8,204	54,006	287,186	40,614	11,131	2,258	621,089,866	48,373,430	116,769,114
11	Products of petroleum and coal	989	192	139,654	501	17,986	105,428	4,014	10,851	814	250,131,477	3,475,846	44,617,456
12	Rubber products	595	161	149,738	902	17,734	120,740	8,568	1,552	242	226,922,132	7,131,196	37,305,643
13	Leather and leather products	3,508	1,746	359,858	3,982	10,892	327,663	7,864	374	83	366,373,544	22,006,217	33,150,557
14	Stone, clay, and glass products	7,024	3,816	337,894	5,487	27,452	287,522	13,318	3,408	707	440,280,158	24,777,352	53,921,014
15	Iron and steel and their products, except machinery	8,994	3,486	1,127,413	11,918	105,207	960,367	33,145	9,593	1,183	1,695,240,869	73,892,578	223,594,105
16	Nonferrous metals and their products	5,600	3,839	282,228	4,976	28,836	228,753	14,030	3,479	2,154	422,043,616	27,995,301	58,077,808
17	Electrical machinery	2,014	640	335,248	2,769	54,769	256,467	17,973	2,109	1,171	519,867,970	20,452,662	119,162,064
18	Machinery (except electrical)	9,506	4,911	680,237	11,287	95,376	522,980	44,140	3,340	3,174	1,109,857,923	71,947,140	186,320,250
19	Automobiles and automobile equipment	1,133	564	460,410	1,327	44,884	398,063	14,143	307	795	793,484,209	10,471,423	104,736,614
20	Transportation equipment, except automobiles	968	435	189,068	1,113	27,098	157,007	2,719	795	246	809,843,437	7,527,861	50,124,162
21	Miscellaneous industries	7,699	5,426	303,132	6,771	30,871	238,827	22,889	3,469	305	397,465,170	35,360,592	56,583,162
INDUSTRY													
22	Abrasive wheels, stones, paper, cloth, and related products	124	31	11,321	205	1,646	7,734	1,120	392	224	20,490,903	1,744,548	3,600,072
23	Agricultural machinery (except tractors)	317	132	34,898	410	5,176	27,806	1,345	82	79	48,809,091	1,878,531	9,107,366
24	Aircraft and parts, including aircraft engines	125	36	63,994	348	13,423	48,638	1,172	282	131	108,285,547	2,787,809	25,188,704
25	Alloying; and rolling and drawing of nonferrous metals, except aluminum	188	28	47,270	244	5,119	38,816	1,540	1,441	110	75,500,912	2,080,616	11,145,085
26	Aluminum products (including rolling and drawing and extruding), not elsewhere classified	162	108	21,157	118	2,865	17,249	247	603	75	33,596,933	750,790	5,726,166
27	Aluminum ware, kitchen, hospital, and household (except electrical appliances)	32	9	8,253	57	831	6,297	1,026	4	38	12,350,800	569,061	1,623,880
28	Ammunition	13	2	5,247	15	672	4,264	264	20	12	6,944,595	125,693	1,269,465
29	Artificial leather and oilcloth	36	6	5,029	62	572	3,976	375	38	6	8,094,782	476,819	1,197,773
30	Artists' materials	42	29	614	31	106	397	80	-----	-----	910,800	141,807	179,813
31	Asbestos products (except steam packing and pipe and boiler covering)	79	12	12,216	90	1,184	9,979	725	232	0	16,291,106	592,635	2,303,697
32	Automobile stampings	90	21	10,081	156	1,036	8,597	205	33	4	15,921,285	1,112,268	2,170,984
33	Automobile trailers (for attachment to passenger cars)	79	71	1,666	46	131	1,426	39	1	3	2,000,229	201,505	165,988
34	Automotive electrical equipment	84	24	20,977	100	2,755	17,495	546	6	75	32,556,000	628,471	5,880,841
35	Baking powder, yeast, and other leavening compounds	47	3	4,023	49	456	2,334	992	180	12	7,554,421	521,608	1,184,065
36	Baskets for fruits and vegetables	153	99	8,644	104	347	8,043	126	19	-----	5,477,691	323,706	402,411
37	Batteries, storage and primary (dry and wet)	221	120	18,066	161	2,204	15,034	1,149	40	78	27,244,913	967,689	4,403,914
38	Batting, padding, and wadding; upholstery filling	124	54	5,291	119	429	4,505	235	-----	3	6,188,197	833,595	728,194
39	Beauty - shop and barber - shop equipment	72	23	2,814	99	321	1,986	408	-----	-----	3,592,679	598,230	565,433
40	Beehive coke	29	1	761	6	63	685	4	-----	3	781,620	9,010	64,001
41	Beet sugar	85	-----	12,324	34	1,443	10,410	1	73	393	16,408,052	194,635	2,747,099
42	Belts (apparel), regardless of material	245	231	5,159	186	267	4,222	467	-----	17	5,799,940	710,442	369,040
43	Biscuit, crackers, and pretzels	356	202	35,930	307	2,081	29,173	3,846	161	362	42,059,144	1,809,042	3,885,480
44	Blast-furnace products	81	-----	22,027	21	1,890	19,537	31	546	2	34,497,508	145,484	5,242,515
45	Blended and prepared flour made from purchased flour	78	38	1,105	40	130	706	222	-----	1	1,419,209	206,038	201,223
46	Blowers; exhaust and ventilating fans	77	29	5,446	93	641	3,885	721	21	82	9,063,141	636,659	1,144,611
47	Bluing	13	12	117	10	29	55	27	-----	5	197,085	50,442	28,358
48	Boat building and boat repairing	202	168	3,009	92	224	2,630	63	-----	-----	3,802,465	377,955	392,393
49	Bolts, nuts, washers, and rivets - made in plants not operated in connection with rolling mills	155	30	17,107	257	1,780	14,331	718	16	5	25,475,667	1,904,392	3,650,244
50	Bone black, carbon black, and lampblack	53	1	1,909	17	191	1,574	26	95	6	2,718,209	125,825	408,475
51	Bookbinding and related industries	1,133	893	31,622	975	2,961	25,680	1,057	32	7	42,840,415	4,617,664	5,112,060
52	Books: printing without publishing	690	359	21,583	885	2,439	18,547	1,530	72	-----	38,807,339	4,995,568	5,107,568
53	Books: publishing and printing	150	61	8,839	215	1,441	6,091	1,087	5	-----	14,715,064	1,362,990	2,690,124
54	Books: publishing without printing	558	156	12,137	676	6,199	135	5,127	-----	-----	22,984,919	4,685,946	9,469,396

See footnotes at end of table.



# GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>1</sup>	Value added by manu- facture <sup>2</sup>	
Manufactur- ing—Con.	Wages	Distribution	Construc- tion	Other	Total <sup>3</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work		
\$9,089,940,916	\$1,052,755,302	\$107,557,384	\$45,973,321	\$32,160,106,681	\$30,254,960,667	\$850,463,845	\$165,426,583	\$589,255,583	\$56,843,024,800	\$24,682,918,119	1
913,984,950	259,440,391	12,153,537	18,025,702	7,062,039,218	6,865,302,394	86,958,179	74,913,613	4,865,032	10,618,025,930	3,555,986,712	2
68,499,717	6,031,377	328,809	556,708	972,036,787	968,808,150	1,239,054	1,023,517	906,066	1,322,189,139	360,162,352	3
908,379,285	31,732,912	2,192,267	1,390,205	2,108,925,959	1,984,291,630	42,258,694	53,789,371	28,580,264	3,930,678,093	1,821,752,134	4
654,401,873	73,485,553	612,378	2,202,812	1,943,677,438	1,701,397,285	3,432,259	11,978,451	228,899,443	3,325,015,179	1,381,337,741	5
310,381,443	13,377,601	3,759,371	1,556,133	504,243,270	463,374,986	7,147,254	7,020,558	20,694,472	1,122,057,978	617,814,708	6
274,738,465	32,346,806	664,553	1,121,105	640,955,985	621,562,937	7,697,109	9,014,683	2,681,256	1,267,724,013	626,708,028	7
309,856,579	31,989,743	6,865,547	1,208,999	1,149,680,420	1,063,398,911	58,749,342	25,773,110	1,745,057	2,019,568,217	869,901,797	8
493,615,659	150,585,862	1,705,932	226,176	812,007,618	614,011,305	6,723,627	18,244,098	173,028,588	2,578,464,382	1,766,456,764	9
356,175,902	70,301,348	10,705,570	3,763,993	1,864,140,407	1,753,213,088	62,739,809	35,783,324	3,733,657,723	2,572,854,496	1,870,617,316	10
173,701,818	7,699,148	19,298,766	1,338,443	2,278,485,610	2,192,110,640	69,516,464	14,394,276	2,464,230	3,733,657,723	1,870,617,316	11
161,409,811	18,207,947	2,554,858	312,677	496,174,017	477,067,737	7,675,253	10,172,687	355,340	2,953,973,409	1,766,456,764	12
294,289,718	16,375,436	431,412	120,204	805,911,414	783,178,977	5,862,310	5,700,912	11,169,215	802,328,802	466,154,785	13
329,559,927	26,331,417	4,709,519	980,929	528,792,323	409,967,723	84,268,125	31,999,392	2,557,093	1,389,513,718	583,002,304	14
1,313,633,202	69,266,585	13,071,813	1,782,586	3,635,870,517	3,229,277,773	316,106,243	74,068,026	16,328,475	1,440,151,489	911,359,166	15
299,219,667	28,309,537	5,476,271	2,875,032	1,748,591,574	1,688,447,257	27,843,581	25,051,566	7,249,170	6,591,530,456	2,955,659,939	16
335,819,534	38,672,775	4,138,706	1,722,229	727,430,250	702,716,203	9,597,325	11,860,954	3,261,777	2,572,854,496	824,262,922	17
748,288,262	93,568,714	5,244,288	4,480,269	1,285,211,133	1,224,978,946	22,811,514	24,854,389	12,566,284	1,727,389,040	900,983,690	18
646,405,891	29,856,934	640,137	1,373,210	2,725,396,316	2,639,294,529	18,775,888	16,684,145	50,641,754	3,254,173,959	1,968,962,817	19
239,253,940	5,200,972	1,457,474	279,028	411,377,100	392,842,513	4,840,766	5,311,905	8,381,886	4,047,872,729	1,322,476,413	20
268,325,273	40,984,185	5,540,077	656,881	469,167,316	448,817,683	6,131,022	7,781,616	6,436,095	1,162,958,308	693,790,992	21
10,693,071	3,215,465	742,848	405,899	26,505,999	25,030,578	743,075	709,879	21,567	71,271,168	44,765,169	22
35,228,807	2,303,840	164,029	67,118	79,270,104	76,231,887	1,874,425	875,110	288,082	167,895,292	88,625,188	23
77,488,188	1,990,577	730,354	99,765	96,250,233	86,924,788	551,382	1,305,537	7,468,546	270,496,844	183,240,611	24
56,282,378	3,575,060	2,356,545	141,628	280,890,489	270,120,291	5,453,094	4,817,264	490,810	445,060,017	164,160,528	25
25,539,148	475,186	995,646	110,057	106,993,222	103,513,455	1,659,684	1,551,137	268,946	169,819,269	62,820,047	26
7,774,773	2,340,139	6,623	36,310	17,206,914	16,637,286	223,911	322,191	23,526	37,124,898	19,017,984	27
4,952,610	549,869	32,431	14,627	13,004,367	12,574,041	290,682	85,087	54,547	29,091,475	16,087,118	28
5,361,326	970,257	53,325	6,282	25,250,079	24,021,071	465,375	261,799	611,834	43,434,067	18,183,988	29
404,389	128,783	-----	-----	2,018,727	1,936,820	23,338	58,030	1,039	4,070,141	2,051,414	30
11,578,739	1,401,248	349,763	5,114	23,928,040	22,292,026	915,943	709,266	10,805	60,774,252	36,846,212	31
11,970,203	591,013	72,717	4,100	21,826,766	20,631,552	232,572	551,122	411,620	47,833,155	26,000,389	32
1,501,270	120,086	584	1,796	4,835,158	4,754,679	26,814	38,771	14,894	7,941,996	3,100,838	33
24,890,474	1,009,633	9,349	131,232	42,040,931	40,569,713	636,702	740,416	94,100	109,701,620	67,720,689	34
3,654,208	1,778,701	386,482	28,667	14,462,304	13,541,712	587,100	333,492	(?)	31,774,637	17,312,333	35
4,470,188	171,150	20,227	-----	5,748,600	5,600,322	38,393	105,879	4,006	14,286,273	8,537,673	36
10,209,426	2,474,326	76,018	123,540	63,176,798	60,596,851	957,416	1,526,435	96,596	117,582,712	54,405,914	37
4,120,350	502,728	-----	3,330	16,921,450	16,347,778	202,381	371,291	(?)	30,213,085	13,291,635	38
1,817,595	611,412	-----	-----	5,365,890	5,216,553	15,403	65,690	68,244	13,006,333	7,040,443	39
701,108	7,050	-----	861	3,566,705	3,478,580	24,434	57,730	6,161	4,781,094	1,214,389	40
12,361,317	1,090	209,848	897,063	84,951,872	79,244,182	5,499,046	208,144	-----	134,399,017	49,444,645	41
4,066,591	943,113	-----	10,754	9,900,188	9,763,985	4,913	71,010	60,280	19,076,348	9,170,160	42
28,549,620	6,545,883	409,484	865,035	82,049,455	79,466,332	1,806,825	777,278	-----	200,792,378	118,743,423	43
28,312,336	133,753	682,412	1,008	463,719,471	316,774,848	145,500,186	1,444,437	-----	550,802,313	87,082,842	44
593,196	417,058	174	1,520	13,965,965	13,892,959	17,196	55,810	-----	17,894,332	3,928,367	45
5,371,111	1,743,607	25,105	141,958	11,767,721	11,280,704	174,092	115,197	197,728	28,606,349	16,838,028	46
55,025	48,726	-----	4,684	886,220	880,720	1,598	2,545	1,387	1,142,841	750,121	47
2,897,445	133,672	-----	1,000	4,958,297	4,836,782	36,493	78,248	11,804	10,884,542	5,929,245	48
18,332,950	1,543,581	31,748	6,752	38,708,570	36,214,766	930,202	937,773	625,829	84,117,069	45,409,399	49
2,001,097	51,482	124,015	7,315	6,103,427	5,772,570	22,877	307,980	-----	14,626,376	8,523,440	50
29,082,627	3,897,529	119,918	30,610	30,428,715	28,044,632	290,300	763,464	1,330,319	102,591,313	72,162,598	51
25,037,639	3,494,773	171,413	-----	32,012,005	27,636,310	281,734	861,687	3,332,274	87,656,088	55,044,083	52
8,404,779	2,237,117	14,045	-----	11,728,693	9,517,775	118,943	221,339	1,870,636	39,617,202	27,788,509	53
195,673	8,643,904	-----	-----	35,548,274	7,517,741	9,451	93,145	27,927,937	109,579,003	74,030,720	54

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.		INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS 12							SALARIES AND WAGES		
					Total	Salaried officers of corporations	Manufacturing		Dis-tribution	Con-struction	Other	Total 4	Salaried officers of corporations	Manufactur- ing
							Salaried employees	Wage earners (average for year) 5						Salaries
INDUSTRY—continued														
12		Boot and shoe cut stock and findings	526	293	21,293	474	1,480	18,845	471	22	1	\$22,735,477	\$2,191,965	\$2,351,028
1		Bread and other bakery products (except biscuit, crackers, and pretzels)	18,643	18,783	247,591	3,694	13,610	201,533	24,720	1,007	3,627	330,605,684	12,666,456	24,308,430
13		Brick and hollow structural tile	800	330	32,962	698	1,779	29,069	1,096	275	45	33,877,263	2,642,630	2,909,199
20		Brooms	329	359	4,377	112	232	3,787	246	—	—	3,626,692	283,000	253,255
20		Brushes	245	116	16,029	253	1,004	7,891	512	69	—	12,524,287	1,220,828	1,782,006
20		Buttons	316	265	12,418	229	729	10,972	442	46	—	11,764,496	1,020,223	1,268,278
9		Candles	28	9	1,188	46	91	840	204	—	2	1,752,222	329,673	184,637
9		Candy and other confectionery products	1,252	814	61,111	959	3,716	49,740	6,154	190	352	63,124,190	5,333,149	6,457,177
9		Cane sugar—except refineries	78	37	5,294	74	613	4,217	15	369	6	3,731,239	268,022	558,952
10		Cane-sugar refining	27	3	16,828	24	1,682	14,133	193	266	530	21,412,044	207,722	3,613,035
11		Canned and dried fruits and vegetables (including canned soups)	2,067	1,182	108,841	1,131	6,431	98,022	2,294	543	420	82,877,776	4,340,407	9,416,396
12		Canned fish, crustacea, and mol-lusks	214	163	16,928	190	638	15,735	179	97	89	9,283,827	767,231	918,400
13		Canvas products (except bags)	334	189	5,982	330	575	3,869	1,165	25	18	7,428,945	1,297,125	816,429
14		Carbon paper and inked ribbons	58	27	3,014	69	371	1,741	812	21	—	4,970,456	614,008	745,473
15		Carbon products for the electrical industry, and manufactures of carbon or artificial graphite	31	16	4,653	50	642	3,189	147	24	1	6,675,430	466,972	1,358,202
16		Carpets and rugs, wool	43	8	29,039	91	2,284	25,590	1,014	51	9	38,240,858	1,188,895	4,608,799
17		Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocon fiber, and rags	84	62	3,608	70	247	3,137	140	13	1	3,030,210	327,327	357,560
18		Carpet yarn, woolen and worsted	18	6	3,419	28	196	3,137	57	1	—	4,233,369	230,000	480,488
19		Cars and car equipment—railroad, street, and rapid-transit	143	1	28,792	45	3,919	24,523	192	109	4	44,108,727	300,978	8,578,335
20		Cars and trucks, industrial	55	17	3,770	92	517	2,732	419	2	8	5,330,131	436,966	893,966
21		Caskets, coffins, burial cases, and other morticians' goods	590	327	16,615	612	1,496	12,447	2,035	5	20	23,006,973	2,737,477	2,494,672
22		Cast-iron pipe and fittings	74	3	18,051	112	1,109	16,488	304	8	30	21,176,879	749,640	2,241,604
23		Cement	160	1	28,197	116	2,652	23,801	1,066	529	33	42,682,657	943,029	6,465,170
24		Cereal preparations	70	28	9,033	52	959	7,458	410	28	126	13,647,250	574,566	2,205,024
25		Cheese	2,682	2,339	6,152	79	663	5,009	352	26	23	6,787,707	272,728	901,199
26		Chemicals not elsewhere classified	543	56	83,063	430	13,646	60,268	2,051	6,104	564	148,148,149	3,641,400	34,679,910
27		Chewing gum	27	3	3,693	38	316	2,627	653	7	52	5,436,916	358,436	677,351
28		Children's and infants' wear not elsewhere classified—made in contract factories	22	26	1,029	6	20	995	7	—	1	731,390	19,359	29,682
29		Children's and infants' wear not elsewhere classified—made in inside factories or by jobbers en-gaging contractors	103	68	4,929	91	206	4,365	262	4	11	4,618,845	395,220	315,081
30		Children's coats—made in con-tract factories	45	49	1,216	14	20	1,181	—	—	1	1,392,171	38,806	27,709
31		Children's coats—made in inside factories or by jobbers engaging contractors	108	75	2,827	114	229	2,130	328	1	25	4,453,090	538,266	370,803
32		Children's dresses—made in con-tract factories	114	127	4,598	19	87	4,487	5	—	—	2,762,264	45,693	111,836
33		Children's dresses—made in in-side factories or by jobbers en-gaging contractors	182	111	12,112	188	583	10,646	677	2	16	11,189,952	1,145,939	921,751
34		Children's vehicles	44	10	4,952	77	371	4,319	175	10	—	6,171,659	505,463	604,296
35		China firing and decorating (for the trade)	24	19	509	18	29	421	38	3	—	616,440	82,033	43,524
36		Chocolate and cocoa products	39	4	8,831	58	725	6,464	1,010	334	240	13,030,169	686,447	1,422,378
37		Cigar boxes, wooden, part wooden	59	40	3,317	61	109	3,101	39	4	3	2,595,286	316,670	200,738
38		Cigarettes	35	3	30,803	32	1,353	27,426	1,680	31	281	33,667,806	490,676	3,232,818
39		Cigars	598	523	54,262	259	2,139	50,897	829	33	105	41,141,302	1,494,315	3,581,148
40		Clay products (except pottery) not elsewhere classified	99	76	1,568	46	114	1,651	49	8	—	1,021,263	150,118	185,710
41		Clay refractories, including re-fractory cement (clay)	165	13	13,655	124	929	12,211	221	136	32	15,404,131	612,049	1,794,163
42		Cleaning and polishing prepara-tions, blackings, and dressings	637	301	9,978	578	1,403	5,128	2,802	33	34	15,064,521	2,921,172	2,468,942
43		Clocks, watches, and materials and parts (except watchcases)	74	29	21,287	111	1,615	17,878	1,273	114	296	27,504,819	1,061,402	3,068,850
44		Clothing, leather and sheep-lined	97	79	5,355	106	335	4,072	235	5	2	5,877,750	538,289	430,823
45		Cloth sponging and miscellaneous special finishing	112	41	3,460	131	307	2,811	197	—	14	5,500,169	683,904	557,336
46		Coal-tar products, crude and inter-mediate	49	1	2,954	12	435	2,338	19	150	—	4,877,011	67,816	961,451
47		Coated and glazed paper	140	17	9,549	201	1,040	7,450	766	84	8	14,898,516	1,609,555	2,091,888
48		Coats, suits, and skirts (except fur coats)—made in contract fac-tories	846	965	22,179	338	308	21,405	86	2	40	24,179,985	780,824	435,456
49		Coats, suits, and skirts (except fur coats)—made in inside factories or by jobbers engaging contrac-tors	1,120	795	30,289	1,145	1,872	24,048	3,037	3	184	48,448,373	5,640,788	3,056,153
50		Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connec-tion with hot-rolling mills	43	3	6,772	71	704	5,644	269	67	17	11,344,455	697,364	1,665,623
51		Collapse tubes	14	—	2,195	31	171	1,933	41	16	3	2,694,072	329,201	315,814
52		Colors and pigments	89	7	8,018	99	1,381	5,839	296	316	87	13,267,077	688,369	3,235,950

See footnotes at end of table.

# GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>1</sup>	Value added by manu- facture <sup>2</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>3</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$17, 105, 728	\$965, 253	\$28, 823	\$1, 680	\$90, 487, 474	\$89, 572, 035	\$306, 074	\$559, 186	\$50, 179	\$129, 399, 406	\$38, 911, 932	1
262, 001, 562	26, 289, 702	1, 510, 628	3, 888, 906	667, 427, 173	539, 981, 125	16, 043, 573	11, 394, 645	7, 830	1, 211, 023, 755	643, 596, 582	2
26, 349, 346	1, 691, 060	246, 909	38, 119	22, 469, 597	6, 996, 528	12, 660, 149	2, 725, 259	87, 661	78, 153, 227	55, 683, 630	3
2, 756, 770	333, 667	83, 645	6, 052, 345	26, 255, 279	5, 930, 852	40, 788	77, 577	8, 128	11, 842, 422	5, 790, 077	4
7, 988, 974	1, 448, 834	88, 375	12, 473, 349	11, 407, 801	24, 770, 144	157, 652	234, 391	103, 092	48, 406, 966	23, 211, 687	5
8, 622, 711	764, 900	1, 512	3, 337, 684	3, 256, 479	61, 078	193, 113	404, 675	408, 260	29, 817, 188	17, 343, 839	6
816, 811	419, 189	351, 073	442, 455	170, 735, 600	167, 017, 930	1, 744, 923	1, 815, 078	157, 669	297, 761, 813	127, 026, 213	8
41, 084, 966	9, 455, 370	301, 527	10, 086	23, 017, 224	22, 817, 139	615, 321	67, 275	17, 459	33, 526, 898	10, 509, 674	9
2, 573, 319	394, 964	365, 636	633, 907	333, 876, 627	327, 757, 373	4, 412, 707	127, 433	1, 579, 114	389, 869, 764	55, 993, 137	10
16, 196, 690											
65, 234, 801	2, 920, 436	656, 287	309, 449	356, 280, 508	349, 863, 318	3, 952, 764	1, 873, 322	591, 104	587, 343, 024	231, 062, 516	11
7, 228, 083	189, 839	79, 125	101, 149	40, 621, 588	39, 406, 253	401, 987	193, 141	20, 207	65, 455, 696	25, 434, 108	12
3, 620, 832	1, 650, 098	25, 880	18, 581	13, 029, 605	12, 844, 831	73, 217	102, 287	9, 270	24, 408, 030	11, 378, 425	13
2, 132, 172	1, 442, 268	36, 535		10, 156, 587	9, 978, 055	81, 226	97, 206	100	20, 776, 745	10, 620, 158	14
4, 483, 609	336, 970	29, 477	200	6, 681, 438	5, 208, 075	545, 406	755, 780	172, 177	18, 375, 580	11, 694, 142	15
30, 143, 651	2, 204, 381	83, 902	11, 230	61, 065, 634	58, 554, 890	1, 412, 294	497, 908	600, 452	140, 837, 725	79, 272, 091	16
2, 116, 087	218, 175	19, 511	550	4, 367, 600	4, 156, 122	74, 873	82, 033	53, 972	9, 758, 261	5, 390, 661	17
3, 499, 528	11, 823	2, 530		11, 899, 413	11, 578, 972	137, 921	152, 520	( <sup>1</sup> )	19, 982, 522	8, 113, 109	18
34, 014, 506	456, 365	155, 314	3, 229	103, 661, 234	101, 277, 356	1, 489, 138	883, 660	11, 050	168, 381, 877	64, 720, 643	19
3, 149, 298	333, 534	2, 600	13, 767	7, 800, 921	7, 489, 224	108, 250	147, 906	55, 541	17, 319, 579	9, 518, 658	20
13, 392, 154	4, 338, 299	5, 031	39, 340	31, 861, 794	30, 950, 177	396, 530	455, 666	59, 421	70, 353, 137	38, 491, 343	21
17, 483, 095	618, 617	14, 878	69, 045	28, 013, 997	24, 747, 129	2, 451, 066	770, 255	45, 547	65, 079, 052	37, 065, 055	22
31, 588, 404	2, 680, 442	860, 116	45, 496	68, 529, 756	34, 034, 358	24, 164, 457	9, 908, 469	422, 472	192, 611, 304	124, 081, 548	23
9, 856, 787	770, 947	36, 243	203, 713	58, 033, 907	56, 156, 793	995, 859	881, 345		128, 382, 565	70, 348, 568	24
5, 155, 715	40, 228	28, 347	19, 490	91, 440, 315	89, 386, 179	1, 331, 178	664, 486	8, 472	108, 207, 050	16, 766, 745	25
94, 883, 557	4, 606, 542	9, 500, 545	936, 195	368, 635, 583	320, 066, 525	31, 757, 103	16, 560, 926	251, 029	839, 750, 386	471, 114, 783	26
3, 285, 748	1, 012, 933	18, 409	83, 539	17, 629, 987	17, 403, 131	126, 949	99, 907		60, 783, 246	43, 153, 250	27
677, 566	4, 150		633	72, 749	51, 878	2, 963	14, 563	3, 345	1, 040, 894	968, 145	28
3, 502, 811	390, 084	7, 213	8, 436	10, 377, 783	8, 810, 474	9, 833	65, 782	1, 485, 094	17, 941, 909	7, 561, 126	29
1, 325, 388			268	203, 658	160, 097	8, 833	20, 479	8, 240	1, 946, 728	1, 743, 070	30
3, 007, 718	510, 583	1, 800	24, 330	17, 161, 914	13, 897, 677	3, 766	74, 801	3, 185, 070	24, 970, 797	7, 808, 883	31
2, 598, 719	6, 016			211, 375	145, 730	11, 739	50, 470	3, 380	3, 841, 533	3, 630, 158	32
8, 063, 761	1, 039, 631	1, 783	17, 087	24, 834, 866	19, 901, 706	20, 490	157, 431	4, 755, 239	46, 742, 013	21, 907, 147	33
4, 712, 908	333, 822	15, 080		9, 940, 223	9, 637, 513	77, 936	120, 215	104, 559	19, 117, 410	9, 177, 187	34
425, 644	62, 417	2, 822		1, 118, 732	1, 063, 962	28, 408	6, 337	20, 025	2, 334, 161	1, 215, 429	35
7, 711, 129	2, 340, 357	457, 595	406, 263	63, 459, 569	61, 993, 752	737, 533	723, 284		99, 018, 203	35, 558, 034	36
2, 017, 076	53, 047	3, 882	3, 873	2, 483, 024	2, 389, 870	27, 723	64, 928	503	6, 330, 768	3, 847, 744	37
26, 067, 632	3, 413, 028	121, 028	336, 724	811, 068, 315	809, 870, 030	690, 401	378, 582	129, 352	1, 037, 747, 517	226, 679, 202	38
34, 239, 558	1, 657, 028	54, 730	114, 525	79, 249, 087	78, 247, 281	217, 109	491, 189	293, 568	160, 754, 424	81, 505, 337	39
1, 493, 937	84, 063	7, 435		1, 043, 217	351, 828	591, 302	100, 087		4, 450, 202	3, 406, 985	40
12, 324, 290	497, 840	154, 151	21, 638	13, 213, 515	8, 795, 805	3, 608, 063	796, 031	13, 596	42, 191, 454	28, 977, 939	41
5, 667, 206	4, 822, 145	38, 968	46, 028	37, 670, 007	37, 036, 595	303, 955	300, 226	29, 231	89, 766, 752	52, 096, 745	42
20, 467, 333	2, 368, 531	205, 861	332, 842	35, 204, 008	34, 592, 070	256, 727	248, 973	106, 238	84, 846, 136	49, 642, 128	43
4, 578, 002	322, 516	6, 404	1, 716	13, 766, 291	13, 466, 014	22, 580	76, 475	201, 222	22, 142, 238	8, 375, 947	44
3, 851, 672	385, 250		22, 007	9, 838, 052	9, 472, 675	246, 553	118, 794		23, 682, 404	13, 844, 352	45
3, 508, 411	38, 848	211, 085		25, 557, 307	23, 891, 842	1, 230, 488	209, 511	225, 466	42, 917, 034	17, 359, 727	46
9, 384, 260	1, 684, 387	110, 019	18, 406	53, 627, 595	52, 313, 862	526, 662	610, 662	176, 409	84, 386, 593	30, 758, 998	47
22, 856, 164	80, 604	1, 976	24, 961	2, 544, 229	1, 576, 222	116, 836	333, 151	516, 020	32, 851, 413	30, 307, 184	48
33, 560, 567	5, 983, 989	3, 192	203, 684	194, 095, 275	158, 520, 795	100, 905	665, 965	34, 807, 610	281, 145, 798	7, 050, 523	49
8, 177, 807	652, 564	123, 267	27, 830	45, 309, 069	43, 783, 149	613, 234	946, 351	26, 335	70, 401, 099	25, 032, 030	50
1, 903, 311	114, 958	27, 538	3, 850	4, 935, 815	4, 821, 294	40, 841	73, 080		9, 471, 836	4, 536, 021	51
8, 114, 349	725, 670	331, 649	171, 090	43, 388, 442	40, 166, 318	2, 188, 437	1, 029, 729	3, 958	83, 855, 847	40, 497, 405	52

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>2</sup>						
INDUSTRY—continued													
1 17	Commercial laundry, dry-cleaning, and pressing machinery	82	37	3,654	69	588	2,705	245	4	23	\$5,779,573	\$640,821	\$1,101,910
2 16	Communication equipment	227	64	44,844	365	8,935	32,119	2,630	617	178	76,677,486	2,911,873	22,413,219
3 9	Compressed and liquefied gases— not made in petroleum refineries or in natural-gasoline plants	379	14	6,450	68	725	3,960	1,665	27	5	11,465,251	485,112	1,686,534
4 13	Concrete products	2,040	1,398	22,459	1,033	1,728	17,363	2,087	165	83	28,699,036	3,817,627	2,726,096
5 1	Condensed and evaporated milk	562	90	12,392	126	1,482	9,705	641	230	208	15,915,856	675,185	2,463,853
6 17	Construction and similar machinery (except mining and oil-field machinery and tools)	199	53	23,216	350	3,796	17,259	1,504	204	103	38,470,010	2,443,958	6,990,308
7 7	Converted paper products not elsewhere classified	384	146	28,301	539	2,791	21,775	2,983	188	25	36,827,482	3,793,138	4,907,239
8 1	Cooking and other edible fats and oils, not elsewhere classified	56	1	6,407	41	959	4,672	622	103	10	9,088,273	313,067	2,024,621
9 6	Cooperage	350	148	8,104	152	526	7,193	219	11	3	8,550,927	656,089	988,677
10 3	Cordage and twine	116	18	13,699	177	975	12,096	361	25	65	14,188,504	1,134,694	1,959,710
11 6	Cork products	35	10	3,597	50	342	2,923	241	36	5	4,880,752	372,334	631,243
12 1	Corn sirup, corn sugar, corn oil, and starch	35	9	9,024	28	1,142	6,764	665	222	203	15,726,372	260,282	2,954,075
13 4	Corsets and allied garments	272	127	23,036	340	1,610	18,765	2,240	15	60	25,146,853	2,578,632	2,748,527
14 20	Costume jewelry and costume novelties (jewelry other than fine jewelry)	289	242	12,682	234	993	10,808	506	51	—	12,612,943	1,264,308	1,422,601
15 3	Cotton broad woven goods	661	65	325,373	900	9,864	312,249	963	577	830	251,180,270	5,680,533	17,415,338
16 3	Cotton narrow fabrics	163	62	15,194	215	1,045	13,318	556	12	48	16,073,121	1,433,260	1,710,921
17 9	Cottonseed oil, cake, meal, and linters	447	70	18,519	394	2,136	15,191	633	105	60	14,880,908	1,255,863	3,641,608
18 3	Cotton thread	75	29	14,856	90	1,100	13,298	368	—	—	13,497,471	576,315	1,752,179
19 3	Cotton yarn	349	45	73,349	496	2,038	70,452	149	96	118	60,898,217	1,977,294	3,402,212
20 1	Creamery butter	3,506	2,667	28,774	562	5,081	17,953	4,589	306	283	32,907,473	1,821,807	6,569,377
21 1	Cured fish	114	81	2,344	53	196	1,893	175	19	8	2,616,166	284,198	325,988
22 4	Curtains, draperies, and bed- spreads—contract factories	75	73	1,199	23	45	1,109	20	—	2	906,371	45,314	48,394
23 4	Curtains, draperies, and bed- spreads—made in regular factories or by jobbers engaging contractors	362	236	17,900	306	870	15,798	878	24	24	13,721,158	1,442,513	1,193,491
24 1	Custom slaughtering, wholesale cutlery (except aluminum, silver, and plated cutlery) and edge tools	40	25	782	28	59	640	30	18	7	959,175	89,354	105,958
25 14	Dental equipment and supplies	266	139	18,392	340	1,469	15,399	1,030	24	130	24,138,126	2,266,754	2,696,368
26 20	Die-cut paper and paperboard, and converted cardboard	131	68	5,708	148	679	4,245	630	6	—	8,498,728	923,053	1,517,910
27 7	Dolls (except rubber)	121	47	5,670	181	534	4,354	598	19	14	8,860,835	1,110,723	1,032,786
28 20	Doors, window sash, frames, molding, and trim (made of metal)	84	53	3,471	92	197	3,052	124	6	—	3,754,215	389,873	287,088
29 14	Dress and semidress gloves and mittens: cloth, cloth and leather combined	205	73	10,428	332	1,130	7,740	1,172	52	2	16,504,731	1,825,085	1,996,792
30 4	Drugs and medicines (including drug grinding)	49	27	3,738	44	162	3,396	128	3	5	2,806,414	158,303	210,637
31 9	Dyeing and finishing cotton, rayon, silk, and linen textiles	1,094	330	40,392	1,453	5,559	22,386	10,202	301	491	64,223,527	9,299,789	10,848,948
32 3	Dyeing and finishing woolen and worsted	468	116	68,460	809	6,055	60,237	1,142	176	41	82,288,696	5,838,900	11,901,976
33 3	Electrical appliances	63	19	4,511	96	479	3,821	107	5	3	5,830,342	618,513	1,037,408
34 16	Electrical measuring instruments	138	30	25,062	206	2,744	19,890	2,104	25	33	36,979,276	1,356,851	5,677,989
35 16	Electrical products not elsewhere classified	59	22	9,318	86	1,719	6,976	450	65	22	15,222,595	705,374	3,616,751
36 16	Electric lamps	175	62	8,291	163	1,330	6,014	723	55	6	12,328,919	854,264	2,936,145
37 18	Electroplating, plating, and polishing	55	7	11,587	49	1,364	9,622	491	45	16	15,309,066	370,701	3,119,529
38 15	Electrotyping and stereotyping, not done in printing establishments	643	614	9,653	370	627	8,206	372	45	33	12,548,335	1,405,980	1,111,802
39 8	Elevators, escalators, and conveyors	234	62	6,333	345	810	4,412	755	1	10	14,444,595	2,103,019	1,714,954
40 17	Embroideries, other than Schmitt- machine products—contract factories	183	50	13,103	339	2,051	8,915	1,600	107	91	22,604,096	1,711,798	3,836,476
41 4	Embroideries, other than Schmitt- machine products—made in regular factories or by jobbers engaging contractors	357	408	4,558	116	105	4,189	133	—	15	3,911,411	312,245	137,063
42 4	Embroideries: Schmitt-machine products	54	49	702	33	33	608	26	—	2	669,616	88,424	50,988
43 4	Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware)	398	395	4,176	147	137	3,750	137	—	6	4,316,588	573,608	258,654
44 14	Enameling, japanning, and lacquering	259	74	28,498	385	2,266	24,605	1,186	50	6	40,280,684	2,476,465	4,350,741
45 15	Engraving on metal (except for printing purposes)	80	66	2,123	60	150	1,821	69	0	17	2,808,448	295,638	293,539
46 8	Engraving (steel, copperplate, and wood); plate printing	94	89	1,683	48	155	1,419	59	—	2	2,690,402	295,767	278,292
47 9	Envelopes	436	329	6,865	347	739	5,353	426	—	—	10,428,966	1,315,136	1,247,067
48 7	Essential oils	169	41	11,161	257	826	8,689	1,289	75	25	15,826,508	1,621,032	1,777,199
49 9		14	4	337	15	39	255	25	—	3	704,149	165,827	96,864

See footnotes at end of table.

See footnotes at end of table.

# GENERAL SUMMARY

27

## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>1</sup>	Value added by manu- facture <sup>2</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>3</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$3,476,555	\$530,749	\$4,385	\$25,153	\$8,321,037	\$8,528,081	\$80,315	\$94,894	\$117,747	\$21,838,863	\$13,017,826	1
44,444,379	5,240,942	1,425,824	241,249	48,351,690	46,410,243	866,146	707,603	367,638	191,326,489	142,974,799	2
5,853,935	3,420,741	15,047	3,882	13,532,407	10,084,864	308,536	3,043,902	5,545	53,364,936	39,832,520	3
18,769,873	3,064,252	228,000	94,088	65,684,650	63,177,255	870,467	1,045,850	591,078	130,393,896	64,708,746	4
11,233,725	1,062,622	230,913	250,558	163,523,169	157,712,090	4,538,191	1,243,409	29,479	209,755,891	46,232,722	5
25,198,311	3,457,109	267,711	112,613	63,376,072	60,429,972	990,082	1,017,171	938,847	140,137,586	76,761,514	6
22,184,555	5,571,543	818,448	52,559	83,375,081	81,830,783	564,756	799,749	179,793	161,305,558	77,930,477	7
5,396,788	1,220,173	126,974	6,650	154,357,703	152,161,141	1,369,659	699,719	127,184	186,252,453	31,894,750	8
6,500,047	330,217	16,127	6,770	24,318,044	23,924,768	208,366	179,942	4,908	38,261,442	13,943,398	9
10,184,862	791,314	21,605	96,319	27,711,355	26,297,770	303,364	1,074,987	35,204	56,085,817	28,974,432	10
3,301,627	522,799	40,892	5,857	8,412,294	7,738,347	289,931	151,310	232,706	17,723,584	9,311,290	11
10,585,599	1,424,855	240,528	252,033	66,915,692	63,662,138	3,069,028	184,526		119,408,253	52,492,561	12
15,734,491	3,994,609	28,612	62,082	40,104,739	38,617,707	95,613	231,550	1,159,809	84,417,950	44,313,211	13
8,754,638	1,097,686	73,710		13,829,607	13,335,066	75,136	183,007	236,398	33,921,990	20,092,393	14
225,175,272	1,767,917	483,674	657,636	431,023,433	399,190,120	8,860,836	22,705,646	267,331	869,364,285	438,330,852	15
11,776,206	1,069,950	13,700	69,084	22,934,330	21,916,197	441,564	551,865	24,704	48,500,589	25,506,259	16
8,930,334	897,797	107,061	39,245	138,764,149	134,781,380	1,799,424	2,162,790	20,555	171,476,253	32,712,104	17
10,529,271	630,706			26,895,205	25,407,040	556,227	731,938	(?)	51,376,151	24,080,946	18
45,055,499	324,313	76,428	62,501	114,741,279	106,765,815	889,422	7,086,042	(?)	198,940,444	84,199,105	19
18,378,544	5,519,598	816,695	301,452	418,751,847	410,617,230	4,334,783	3,630,917	168,917	492,221,462	73,469,615	20
1,669,604	301,437	26,149	8,790	10,971,721	10,818,392	65,261	87,126	942	15,614,728	4,693,007	21
797,803	13,664		1,196	259,919	238,714	2,053	18,730	422	1,678,806	1,418,857	22
9,471,036	1,572,819	17,687	23,012	47,475,227	46,035,881	65,972	262,012	1,111,362	70,232,983	22,757,756	23
688,804	51,408	17,972	5,619	477,578	329,948	52,324	95,306		1,932,722	1,455,144	24
16,797,297	2,102,166	31,700	243,851	18,750,420	17,512,739	532,813	646,061	64,807	59,924,396	41,167,976	25
4,825,367	1,220,485	11,913		13,257,713	12,965,541	134,427	130,367	27,378	31,546,707	18,288,994	26
5,453,990	1,203,263	27,024	33,049	16,069,422	15,684,323	127,706	173,898	83,495	33,263,907	17,194,485	27
2,836,614	232,076	7,964		6,417,532	6,153,186	56,683	97,994	109,609	12,132,373	5,714,841	28
10,531,328	2,109,536	40,834	1,156	19,037,479	17,964,421	187,359	347,351	538,348	48,219,102	29,181,623	29
2,297,627	128,402	3,540	7,845	3,038,227	3,433,532	12,707	43,546	148,442	7,703,088	4,064,361	30
23,807,990	18,411,742	479,101	1,285,957	115,272,573	112,128,193	1,279,337	1,000,309	864,734	364,955,404	249,712,831	31
61,744,518	2,468,004	287,705	47,593	140,472,272	128,214,508	10,151,649	2,106,115	(?)	271,167,130	130,694,867	32
3,944,885	215,131	12,325	2,080	26,953,448	25,985,800	818,624	149,015		37,437,032	10,483,584	33
25,408,770	4,459,028	41,816	35,322	58,081,360	56,082,581	585,281	1,022,141	391,357	145,696,194	87,014,834	34
9,881,124	881,608	102,393	35,385	12,104,664	11,708,639	110,192	242,925	42,908	41,797,495	29,692,831	35
7,409,584	940,969	177,133	8,824	14,866,461	14,091,854	243,262	412,709	118,636	39,048,906	24,182,445	36
10,689,019	1,025,974	97,001	6,842	28,571,141	27,535,078	376,926	628,023	31,114	84,827,955	56,256,844	37
9,882,801	545,905	50,901	41,946	7,300,444	5,841,349	352,608	969,724	136,763	28,168,051	20,867,607	38
8,919,769	1,674,807	2,414	29,632	6,904,385	3,591,993	161,450	478,247	2,672,695	29,045,159	22,140,774	39
13,857,937	3,308,947	283,868	125,671	25,057,146	23,756,670	315,201	447,768	537,507	64,128,051	39,070,905	40
3,323,654	124,865		12,984	1,022,129	1,373,524	9,825	72,876	165,904	8,220,437	6,598,308	41
504,561	24,627		1,016	671,431	519,605	1,515	12,589	137,722	1,688,181	1,014,750	42
3,247,549	232,644		4,133	6,128,763	4,796,819	68,552	134,962	1,128,420	14,121,853	7,993,100	43
30,768,552	2,591,301	81,170	12,455	52,630,117	48,409,592	2,473,318	1,269,232	477,975	125,578,189	72,948,072	44
2,062,275	123,162	9,806	24,028	2,455,622	2,016,480	239,082	162,939	37,121	6,935,646	4,480,024	45
1,866,457	246,396		3,500	1,677,664	1,544,906	33,048	48,813	50,897	5,863,670	4,186,006	46
7,156,404	710,359			6,029,351	5,368,553	72,785	183,579	404,434	22,163,633	16,134,287	47
9,596,844	2,652,170	150,088	29,175	24,623,014	23,966,746	145,235	339,427	171,606	50,118,134	25,495,120	48
357,346	81,933		2,189	6,861,194	6,810,405	35,409	8,947	6,373	9,813,799	2,952,605	49

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1,2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1	6	Excelsior	53	46	1,045	19	65	925	16	4	\$913,256	\$60,991	\$111,138
2	9	Explosives	80	7	8,315	25	776	7,242	57	209	13,721,116	130,987	2,193,151
3	20	Fabricated plastic products, not elsewhere classified	216	71	17,953	293	1,788	15,094	610	164	24,289,146	1,441,150	3,495,607
4	14	Fabricated structural steel and ornamental metal work, made in plants not operated in connection with rolling mills	1,135	590	44,800	1,436	5,165	35,477	2,601	88	69,426,368	6,335,877	10,168,515
5	20	Feathers, plumes, and artificial flowers	314	293	7,723	203	327	6,650	539	4	6,521,657	764,869	391,888
6	3	Felt goods, wool, hair, and jute (except woven felts and hat bodies and hats)	37	14	3,770	33	321	3,346	70	-----	4,870,232	196,684	654,053
7	9	Fertilizers	764	219	24,081	511	2,155	18,744	2,389	217	23,435,322	1,791,894	3,457,367
8	7	Fiber cans, tubes, and similar products	116	40	7,790	109	655	6,637	372	8	9,657,697	547,706	1,272,200
9	14	Files	22	5	3,728	27	343	3,205	104	49	4,908,816	124,477	708,138
10	3	Finishing of men's and boys' hats of fur felt, wool-felt, and straw	151	68	8,123	188	511	6,909	513	1	8,676,120	905,288	721,464
11	14	Firearms	23	7	6,061	28	753	5,001	157	113	8,806,827	180,055	1,323,567
12	20	Fire extinguishers, chemical	28	9	1,452	27	284	995	146	-----	2,256,767	136,893	565,381
13	9	Fireworks	59	20	1,394	55	135	1,158	30	9	1,511,599	240,286	214,471
14	9	Fish and other marine oils, cake, and meal	76	17	1,806	92	139	1,523	38	14	2,150,222	540,419	209,385
15	13	Flat glass	37	-----	18,638	26	1,493	16,739	62	318	28,160,934	127,322	3,684,521
16	1	Flavoring extracts and flavoring sirups, not elsewhere classified	477	221	6,950	440	904	3,589	1,931	35	12,299,959	2,806,532	1,674,000
17	13	Floor and wall tile (except quarry tile)	49	19	6,434	69	420	5,681	237	21	7,523,378	327,775	686,069
18	1	Flour and other grain-mill products	2,143	1,913	35,978	1,131	4,417	24,771	4,895	387	49,374,893	4,711,539	7,806,429
19	1	Food preparations, not elsewhere classified	1,067	759	19,484	655	1,659	13,120	3,887	55	23,232,337	3,198,136	2,904,534
20	17	Food-products machinery	379	139	20,007	546	2,954	13,979	2,419	31	32,497,884	3,158,913	5,714,673
21	12	Footwear (except rubber)	1,070	237	236,545	1,549	12,540	218,028	4,189	195	222,865,621	9,563,517	19,817,468
22	14	Forgings, iron and steel—made in plants not operated in connection with rolling mills	267	40	18,043	329	1,689	15,372	474	131	30,123,958	2,373,457	3,849,710
23	10	Fuel briquettes	32	9	494	13	60	410	11	-----	644,696	25,190	115,259
24	4	Fur coats and other fur garments, accessories, and trimmings	2,175	2,376	17,329	1,652	1,158	13,111	1,405	3	33,434,509	5,667,537	1,970,178
25	20	Furs, dressed and dyed	145	91	6,015	235	315	5,115	325	25	11,960,167	1,250,000	902,129
26	14	Galvanizing and other coating—carried on in plants not operated in connection with rolling mills	83	50	1,459	77	120	1,212	47	3	2,179,776	509,403	243,450
27	20	Games and toys (except dolls and children's vehicles)	343	217	18,251	349	1,402	15,610	871	28	18,268,523	1,900,638	2,176,959
28	8	General commercial (job) printing	9,393	8,216	126,059	5,821	14,504	96,039	9,543	142	200,064,264	23,807,713	24,966,055
29	16	Generating, distribution, and industrial apparatus, and apparatus for incorporation in manufactured products, not elsewhere classified	491	153	96,324	736	20,618	70,401	3,643	421	164,254,954	5,617,784	44,457,168
30	13	Glass containers	77	1	29,357	132	2,785	25,753	552	118	43,022,557	1,340,843	5,723,717
31	9	Glue and gelatin	80	24	3,973	94	501	3,039	231	100	6,065,228	712,908	1,094,490
32	15	Gold and silver leaf and foil	26	30	688	13	51	593	60	-----	800,108	105,762	95,828
33	8	Gravure, rotogravure, and rotary photogravure (including preparation of plates)	24	5	3,114	36	367	2,623	82	6	7,191,590	305,871	1,136,331
34	14	Gray-iron and semisteel castings	1,161	551	65,459	1,261	4,578	59,428	962	144	88,374,243	6,025,302	9,318,185
35	9	Grease and tallow (except lubricating greases)	310	231	6,536	247	595	5,201	324	136	9,596,161	1,079,936	1,096,351
36	8	Greeting cards (except hand-painted)	109	70	9,983	137	1,405	7,522	904	15	12,266,714	1,391,382	1,956,955
37	9	Gum naval stores (processing but not gathering or warehousing)	755	836	1,892	71	808	971	28	13	856,138	120,077	362,269
38	13	Gypsum products	68	1	5,863	25	667	4,936	82	132	8,540,550	101,040	1,365,079
39	20	Hair work	42	36	393	25	22	322	24	-----	418,532	100,403	28,124
40	4	Handkerchiefs—made in contract factories	29	13	1,132	14	13	1,105	-----	-----	766,142	50,952	22,008
41	4	Handkerchiefs—made in inside factories or by jobbers engaging contractors	60	28	4,363	60	183	3,734	309	1	3,808,174	430,803	283,755
42	20	Hand stamps, stencils, and brands	289	217	3,333	217	331	2,211	568	0	4,690,897	892,881	507,949
43	14	Hardware not elsewhere classified	431	173	43,453	658	4,307	35,645	2,713	123	57,005,724	4,460,618	7,484,806
44	9	Hardwood distillation and charcoal manufacture	43	17	2,091	34	211	1,770	19	55	2,090,418	91,566	361,292
45	4	Hat and cap materials, trimmings, etc.	55	36	940	45	54	796	44	-----	1,057,206	172,279	74,470
46	3	Hat bodies and hats, fur-felt	43	6	11,182	82	748	9,928	251	33	15,078,264	654,242	1,529,782
47	3	Hat bodies and hats, wool-felt	12	9	4,755	18	262	4,421	41	13	4,902,930	90,779	478,579
48	3	Hats, straw	11	2	531	12	20	488	10	1	537,057	52,632	29,086
49	3	Hatters' fur	37	25	2,082	39	122	1,893	28	-----	2,145,118	258,427	240,007
50	14	Heating and cooking apparatus, except electric, not elsewhere classified	138	60	3,927	152	400	2,919	381	4	2,658,865	681,579	769,304
51	3	Hosiery—full-fashioned	499	176	103,902	639	3,840	97,200	1,891	247	117,443,136	4,161,354	7,472,935
52	3	Hosiery—seamless	433	208	65,353	501	2,470	61,852	419	64	48,873,410	2,300,764	3,843,662
53	13	Hotel china	17	-----	4,798	49	267	4,350	111	18	5,716,529	201,524	519,609
54	4	House dresses, uniforms, and aprons—made in contract factories	255	255	11,277	74	198	10,961	25	4	6,829,333	149,714	268,216

See footnotes at end of table.



# GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4</sup>	Value added by manufacture <sup>5</sup>	
Manufacturing—Con.											
Wages	Distribution	Construction	Other	Total <sup>1</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$700,246	\$23,715	\$3,780	\$13,386	\$1,381,747	\$1,305,756	\$41,316	\$34,336	\$339	\$2,987,285	\$1,605,538	1
10,964,498	140,248	287,763	4,469	20,860,347	25,178,879	1,020,805	660,663		71,053,206	44,192,859	2
17,088,104	1,390,052	260,354	13,819	31,747,085	20,881,056	781,008	840,562	244,461	71,904,067	40,156,982	3
47,540,506	5,205,236	113,751	53,483	172,437,165	167,783,521	1,029,608	1,952,758	1,671,278	284,669,659	112,232,494	4
4,582,411	778,309	4,180		7,424,281	7,238,742	44,807	97,779	42,953	18,503,971	11,079,690	5
3,856,988	102,507			13,048,313	12,447,341	360,855	240,117	(7)	23,573,823	10,525,510	6
13,678,397	4,191,260	224,845	91,559	128,629,745	126,325,685	589,173	1,606,510	18,377	185,084,328	57,054,583	7
6,062,529	849,550	16,157	9,555	13,952,397	13,210,251	464,672	247,613	29,861	33,345,334	19,302,937	8
3,838,520	165,664	72,017		2,462,888	2,124,262	228,868	92,444	7,314	11,293,946	8,841,058	9
6,207,422	840,082	1,110	754	19,949,437	18,704,078	168,155	147,315	869,889	33,240,221	13,290,784	10
6,846,317	270,888	175,030	10,970	3,052,556	2,554,540	251,331	184,591	62,094	17,711,651	14,659,095	11
1,273,055	256,428	25,000		4,704,634	4,613,997	32,474	51,769	6,394	9,228,416	4,523,782	12
987,446	56,110	8,700	4,556	1,862,715	1,763,767	63,859	25,089		4,628,181	2,775,466	13
1,307,934	80,524	11,900		8,907,314	8,451,860	361,762	90,577	3,115	13,622,312	4,714,998	14
24,008,619	190,726	249,746		33,848,897	28,015,297	4,376,128	1,446,549	10,893	102,389,012	68,540,145	15
3,764,360	3,926,985	46,905	81,168	50,167,843	49,671,293	258,195	234,600	3,755	139,901,840	89,733,997	16
5,931,149	544,935	27,992	5,458	5,142,384	3,958,115	925,425	250,007	2,777	17,658,855	12,516,501	17
28,369,796	7,500,353	507,034	389,742	508,061,519	497,474,371	2,256,405	0,226,425	104,318	649,943,088	143,881,569	18
11,180,773	5,730,325	97,281	121,288	106,234,268	104,519,708	990,461	677,996	46,103	172,459,397	66,225,129	19
18,936,642	4,548,476	33,503	105,657	31,949,526	30,363,802	493,483	592,165	500,076	90,840,544	58,891,018	20
183,657,529	9,556,540	195,078	75,489	388,439,102	383,343,831	1,246,180	2,765,678	1,083,413	734,673,111	346,284,009	21
22,652,054	1,012,614	179,914	56,209	51,973,575	46,244,315	3,763,186	1,419,432	546,642	104,883,196	52,909,621	22
484,719	19,528			3,570,907	3,319,560	87,838	162,515	994	5,287,282	1,716,375	23
23,403,321	2,392,313	1,160		107,751,912	105,535,635	39,103	372,347	1,804,867	168,031,656	60,279,744	24
9,065,676	702,660	38,812		4,858,410	4,401,439	102,191	249,901	104,885	22,395,325	17,536,909	25
1,342,647	78,010	5,600		2,512,630	2,273,541	161,067	67,430	10,592	6,195,640	3,683,010	26
12,656,729	1,486,561	38,636		24,909,824	24,196,954	280,537	365,202	67,131	55,400,894	30,491,070	27
132,944,904	18,008,248	300,951	36,333	191,733,637	167,372,510	1,627,597	4,991,944	17,741,586	515,435,609	323,701,972	28
104,083,541	8,553,674	767,336	775,451	187,326,472	180,975,920	3,065,396	2,933,020	352,136	470,462,442	283,135,970	29
34,181,498	1,580,383	172,382	23,784	59,893,331	47,718,907	9,331,905	2,770,049	72,470	158,271,647	98,878,316	30
3,941,688	687,202	162,272	6,759	18,793,755	17,025,919	1,592,196	174,056	1,593	34,331,639	15,537,894	31
469,577	127,009		2,022	1,095,785	1,062,992	9,935	15,508	7,350	2,108,990	1,013,205	32
5,436,278	301,106	11,914		7,243,336	6,006,569	74,279	214,656	947,832	18,614,837	11,371,501	33
70,757,944	1,920,797	183,599	168,416	78,971,925	67,296,655	7,648,003	3,429,599	697,668	209,719,754	130,747,829	34
6,503,509	657,464	206,599	47,302	38,114,978	36,090,429	1,360,269	640,132	24,145	58,226,218	20,111,240	35
7,264,165	1,634,502	19,710		15,490,146	10,350,777	45,083	153,248	4,910,438	30,715,439	24,225,293	36
333,833	28,003	2,706	250	13,395,945	13,189,788	183,307	11,023	11,827	17,361,933	3,965,988	37
6,655,759	173,179	216,833	18,060	16,694,454	13,966,634	1,444,346	1,283,054	420	46,241,980	29,547,526	38
260,723	29,282			738,996	719,213	3,085	5,720	10,978	1,401,105	662,109	39
693,182				164,811	137,071	1,124	14,952	11,664	1,182,047	1,017,236	40
2,627,303	454,047	845	11,421	13,834,573	12,026,687	29,153	42,018	1,736,715	20,419,116	6,584,543	41
2,615,029	731,183	9,825		3,204,438	3,003,748	54,119	88,134	58,437	10,811,885	7,607,397	42
40,220,860	5,266,525	165,376	7,539	60,772,244	57,581,226	1,498,356	1,292,146	400,516	154,475,928	93,703,084	43
1,530,675	52,550	52,364	1,971	3,928,214	3,151,638	705,683	65,533	5,360	6,843,172	2,914,958	44
743,134	66,603		720	2,940,292	2,812,164	2,355	22,968	102,805	4,687,304	1,747,012	45
11,837,057	947,121	52,163	57,899	16,987,854	16,052,725	625,399	183,452	125,278	39,500,929	22,513,075	46
4,210,354	102,181	21,037		8,173,832	7,912,345	177,816	53,671		10,069,816	7,855,984	47
438,470	16,164	705		726,920	715,955	1,460	9,305		1,549,107	822,187	48
1,579,033	67,651			7,255,705	7,071,096	98,184	59,570	20,255	10,956,240	3,700,541	49
3,507,970	685,509	1,087	13,416	8,804,884	8,500,005	98,798	129,805	76,276	20,329,879	11,624,995	50
100,774,988	4,553,376	382,597	97,856	121,122,941	112,328,877	1,158,060	2,032,577	5,603,427	277,170,371	156,047,430	51
41,862,208	701,353	62,338	43,085	66,575,220	63,342,174	857,616	880,660	1,494,464	138,665,487	72,080,267	52
4,639,398	267,372	24,850	2,776	1,700,993	1,202,435	420,952	82,682	644	9,359,660	7,652,667	53
6,368,350	27,332	5,161	10,560	480,630	293,021	33,384	142,405	2,829	9,251,940	8,762,301	54

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	Industry Group and Industry	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total <sup>2</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1 4	House dresses, uniforms, and aprons—made in inside factories or by jobbers engaging contractors	467	353	31,341	373	1,000	27,833	1,459	5	71	\$24,450,059	\$2,037,692	\$2,284,433
2 4	Housefurnishings (except curtains, draperies, and bedspreads)	472	347	13,108	350	841	10,023	1,240	23	31	12,880,286	1,708,115	1,129,171
3 6	Household furniture, except upholstered	1,592	889	108,144	1,905	6,966	94,760	4,101	212	200	113,071,352	9,082,758	11,329,509
4 1	Ice cream and ices	2,734	1,816	36,023	1,269	3,489	15,711	14,068	470	1,010	50,628,902	5,211,081	5,449,690
5 1	Ice, manufactured	3,975	1,567	37,230	1,658	3,475	15,012	15,277	317	591	43,990,194	5,245,602	5,531,287
6 12	Industrial leather belting and packing leather	190	96	3,117	192	297	2,337	285	6		4,941,253	756,615	585,795
7 17	Industrial machinery, not elsewhere classified	579	195	30,303	860	5,002	21,936	2,211	157	137	51,594,364	5,262,471	9,313,972
8 9	Insecticides, fungicides, and related industrial and household chemical compounds	774	298	9,428	743	1,360	5,017	2,208	55	40	15,556,764	3,478,631	2,610,078
9 12	Insulated wire and cable	79	15	19,233	118	2,480	15,696	700	126	113	26,788,368	930,787	5,497,320
10 17	Internal-combustion engines	74	13	19,962	160	3,529	14,752	1,382	105	34	33,321,055	1,325,949	7,337,207
11 18	Jewelers' findings and materials	82	49	3,412	94	306	2,813	189	4	6	4,790,440	791,128	618,970
12 20	Jewelry cases and instrument cases	132	106	6,073	98	480	5,127	310	58		7,152,299	681,217	864,727
13 15	Jewelry (precious metals)	886	760	15,058	622	1,824	11,358	1,188	16	50	22,387,625	3,038,214	2,785,467
14 3	Kite goods (except felt)	22	4	4,017	34	336	3,586	37	24		4,111,378	249,568	658,403
15 3	Knitted cloth	229	108	12,432	244	943	10,917	201	49	18	14,042,760	1,624,614	1,784,902
16 3	Knitted gloves	29	8	5,839	18	106	5,574	55	23	3	4,384,034	182,701	290,796
17 3	Knitted outerwear (except knit gloves)—contract factories	233	248	4,203	93	71	4,109	18	1	1	3,504,672	180,879	114,726
18 3	Knitted outerwear (except knit gloves)—regular factories or jobbers engaging contractors	476	323	21,934	523	1,394	18,440	1,520	25	32	22,984,363	2,514,579	2,155,731
19 3	Knitted underwear	199	51	42,364	344	2,161	38,536	1,228	64	31	30,163,017	2,449,711	3,650,106
20 6	Laboratory, hospital, and other professional furniture	82	49	3,845	101	396	2,982	362	2	2	5,386,208	519,021	805,606
21 3	Lace goods	65	25	8,341	96	703	7,254	279	9		10,791,794	675,195	1,288,071
22 20	Lamp shades	128	101	3,105	88	162	2,671	179	5		2,474,304	322,638	207,401
23 15	Lapidary work	90	132	317	18	20	207	8			4,490,366	49,950	26,328
24 6	Lasts and related products	48	15	1,848	48	185	1,519	93	3	4	2,849,571	246,156	362,534
25 17	Laundry equipment, domestic	42	6	9,610	89	1,095	7,466	849	59	52	13,890,421	622,649	1,062,851
26 12	Leather gloves and mittens	233	225	11,123	191	572	9,995	336	9	20	9,416,347	714,211	760,998
27 12	Leather goods not elsewhere classified	160	145	2,863	94	137	2,462	167	1	2	2,038,555	417,262	200,587
28 12	Leather: tanned, curried, and finished—contract factories	111	61	5,954	147	320	5,457	30			7,609,003	752,273	693,759
29 12	Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors	335	89	45,638	449	2,800	41,795	461	133		61,657,237	3,852,326	6,015,143
30 15	Lighting fixtures	568	345	25,086	650	2,416	20,477	1,099	12	132	35,757,741	3,709,681	4,604,120
31 13	Lime	269	109	10,917	184	750	9,458	302	205	18	11,916,480	672,438	1,861,107
32 3	Linen goods	9	1	1,889	8	117	1,735	24		2	1,842,564	60,700	247,614
33 3	Linoleum, asphalted-felt-base and other hard-surface floor coverings, not elsewhere classified	17		8,301	26	640	7,028	555	52		13,504,811	335,613	1,324,062
34 6	Linseed oil, cake, and meal	25	4	2,398	6	238	2,120	16	6	2	3,782,486	47,215	482,398
35 1	Liquors, distilled	135	5	5,752	131	900	4,091	246	167	217	8,258,781	690,910	1,619,336
36 1	Liquors, rectified or blended	149	16	4,285	106	386	2,818	406	4	15	6,353,396	687,815	1,484,461
37 8	Lithographing and photo-lithographing (including preparation of stones or plates and dry transfers)	749	278	34,722	1,179	3,966	26,000	3,404	78	35	62,178,085	7,331,670	7,985,605
38 19	Locomotives (including frames) and parts: railroad, mining, and industrial	15	4	8,310	24	1,465	6,470	311	37	3	13,813,435	173,913	3,220,689
39 5	Logging camps and logging contractors (not operating sawmills)	967	1,062	24,464	170	757	22,785	80	538	125	25,713,378	700,091	1,409,518
40 9	Lubricating oils and greases—not made in petroleum refineries	232	75	4,183	247	703	2,128	1,035	37	33	7,648,324	1,263,091	1,428,134
41 1	Macaroni, spaghetti, vermicelli, and noodles	328	311	8,140	285	519	6,013	1,126	23	174	9,351,393	1,217,386	774,795
42 8	Machine and hand typesetting (including advertisement typesetting)	641	538	8,100	483	892	6,244	480	1		14,995,489	2,063,530	1,576,325
43 17	Machine-shop products not elsewhere classified	2,125	1,216	79,399	2,162	10,494	60,717	5,141	337		125,651,864	12,202,643	19,404,075
44 17	Machine-shop repairs	1,459	1,455	10,928	612	962	9,176	238	3	548	15,568,342	1,410,910	1,468,760
45 17	Machine-tool and other metalworking-machinery accessories, metal-cutting and shaping tools, and machinists' precision tools	954	609	31,542	1,023	3,234	25,161	1,746	117	261	58,679,346	6,180,926	6,808,217
46 17	Machine tools	269	19	47,675	495	7,725	36,624	2,050	320	461	90,770,404	5,099,246	16,546,480
47 14	Malleable-iron castings	83	2	20,186	170	1,658	18,041	246	65	6	26,415,115	1,047,601	3,142,715
48 1	Malt	62	2	1,902	50	231	1,459	77	68	17	4,139,702	677,132	588,471
49 1	Malt liquors	605	40	61,185	1,216	4,607	36,088	17,424	735	1,115	122,284,690	9,657,007	10,441,516
50 6	Matches	28	3	5,940	23	395	5,426	93	1	2	6,708,035	140,394	746,238
51 6	Mattresses and bedspreads	947	777	23,062	643	2,002	18,342	2,005	9	61	29,263,956	2,891,091	3,314,500
52 17	Measuring and dispensing pumps	38	7	7,396	66	1,050	5,054	1,124	50	51	11,952,529	555,519	1,984,468
53 17	Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks)	68	16	8,556	95	1,229	6,692	497	15	28	13,102,096	698,648	2,410,520
54 1	Meat packing, wholesale	1,478	1,190	168,108	1,440	15,627	119,853	28,459	1,437	1,262	255,561,747	8,979,631	31,101,362
55 17	Mechanical power-transmission equipment	218	60	37,363	380	4,352	30,268	2,124	94	145	61,199,554	3,492,635	9,012,492

See footnotes at end of table.

## GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4,5</sup>	Value added by manufacture <sup>6</sup>	
Manufacturing—Con.											
Wages	Distribution	Construction	Other	Total <sup>1,2</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$17,637,610	\$2,417,055	\$3,510	\$76,653	\$24,083,482	\$27,688,303	\$76,359	\$377,107	\$3,541,713	\$104,448,282	\$39,762,800	1
8,059,340	1,921,014	40,987	30,659	43,972,843	42,906,804	107,547	273,286	685,206	67,521,325	23,548,482	2
83,998,671	8,141,137	202,725	316,552	155,192,498	149,983,508	2,024,627	2,704,285	480,018	328,629,913	173,437,415	3
17,344,036	20,423,235	712,637	1,488,223	145,924,115	138,091,816	1,719,225	5,501,532	12,042	285,805,781	139,882,666	4
17,691,804	14,625,872	303,878	561,661	26,010,218	26,010,218	6,237,042	15,971,83	10,576	130,166,312	104,156,094	5
2,860,652	725,364	9,115	3,712	13,596,416	13,374,701	99,698	100,486	21,531	24,410,104	10,813,688	6
31,178,421	4,916,370	250,811	172,319	52,064,472	49,918,956	992,201	1,358,719	994,596	140,628,049	87,663,577	7
5,393,213	3,930,054	102,387	12,401	44,375,652	43,277,425	511,498	404,936	181,793	93,443,777	49,068,125	8
18,637,729	1,355,695	204,169	162,068	70,124,571	67,898,210	783,776	1,061,874	380,711	120,390,050	50,265,479	9
21,503,252	2,721,933	125,859	107,425	53,455,778	51,532,540	1,101,400	324,002	497,836	110,357,964	56,902,186	10
2,974,876	392,444	8,226	4,788	14,493,387	14,120,550	61,818	116,579	185,431	22,488,960	7,995,673	11
4,691,283	853,508	61,564	-----	6,478,978	6,243,778	50,253	127,285	57,662	16,670,434	10,191,456	12
14,245,142	2,247,727	29,003	43,972	34,596,938	33,040,766	108,159	252,322	1,189,700	71,418,667	36,821,729	13
3,118,291	68,308	10,808	-----	7,783,357	7,484,806	149,416	205,135	(7)	16,897,414	9,114,087	14
10,165,641	494,999	50,289	13,315	44,205,633	41,480,312	721,430	555,948	1,447,943	68,662,722	24,457,089	15
3,839,330	97,196	21,131	2,880	4,998,466	4,693,309	54,097	32,951	218,109	12,385,831	7,387,365	16
3,107,994	9,223	900	950	769,150	569,506	39,637	125,844	34,163	6,549,610	5,780,460	17
15,518,406	2,695,034	54,574	46,039	58,110,871	51,227,179	201,017	424,554	6,258,121	97,611,147	39,530,276	18
27,404,769	2,507,679	112,216	38,536	61,614,201	59,216,757	846,682	563,636	987,126	113,353,402	51,739,201	19
3,350,765	704,915	2,913	2,988	6,313,599	5,981,053	80,118	100,411	151,947	14,656,180	8,341,651	20
8,106,909	728,663	12,956	-----	8,734,613	8,227,824	341,116	89,007	126,666	24,137,550	15,352,937	21
1,715,155	221,056	8,059	-----	4,384,442	4,315,008	7,881	33,888	27,665	8,375,706	3,991,264	22
390,556	19,894	-----	3,638	3,755,337	3,705,723	857	8,466	40,291	5,128,926	1,373,589	23
1,095,127	239,916	5,838	-----	2,026,266	1,897,188	30,663	87,349	11,066	6,672,100	4,645,834	24
9,277,024	1,873,806	102,019	61,172	36,365,346	35,706,872	281,419	371,170	5,885	61,601,221	25,235,875	25
7,408,682	499,512	10,200	22,744	13,762,985	12,574,808	69,196	83,503	1,035,478	26,830,856	13,067,871	26
2,087,363	228,275	2,340	3,028	4,240,886	4,120,208	18,488	49,216	52,974	8,911,482	4,670,596	27
6,212,934	50,037	-----	-----	6,302,515	5,461,629	452,496	229,986	158,404	16,709,502	10,406,987	28
50,570,248	1,043,763	175,757	-----	222,741,041	211,063,678	3,497,296	1,510,900	6,669,167	329,728,052	106,987,011	29
23,238,474	3,947,721	18,661	239,084	59,850,505	57,869,697	627,286	999,083	354,439	124,581,725	64,731,220	30
9,068,627	527,470	244,634	42,144	13,705,840	7,208,218	5,033,194	1,443,490	20,938	30,971,171	23,265,331	31
1,490,185	36,581	-----	1,484	3,360,611	3,224,041	77,598	49,062	(7)	6,297,642	2,947,031	32
10,405,841	1,350,591	87,804	-----	28,369,104	26,979,664	813,601	547,740	28,099	69,874,978	41,505,874	33
3,193,158	40,473	16,128	3,114	56,456,090	55,679,329	383,927	392,843	-----	68,011,767	11,555,668	34
4,484,698	492,541	198,715	377,631	28,388,830	26,083,762	1,888,203	401,620	10,245	56,080,125	27,696,365	35
3,215,970	934,727	8,360	22,063	28,244,079	27,981,346	120,905	133,428	-----	49,143,605	20,898,926	36
37,929,201	8,713,536	155,446	63,518	57,686,434	49,350,263	525,371	1,170,758	6,640,042	154,394,787	96,708,353	37
9,650,650	683,291	75,892	3,000	25,926,789	24,827,867	765,511	230,574	102,837	47,425,590	21,498,801	38
22,703,068	134,802	622,345	143,554	28,164,565	20,362,098	1,581,114	19,719	6,201,634	60,620,906	41,456,341	39
2,713,225	2,165,059	49,033	29,782	28,930,504	28,250,108	455,955	207,897	16,544	49,056,857	20,126,353	40
5,383,421	1,739,332	60,388	176,071	26,929,121	25,764,918	302,661	797,445	64,097	46,153,471	19,224,350	41
10,424,014	927,871	2,849	-----	3,052,076	2,211,510	111,441	316,427	412,698	25,096,497	22,044,421	42
81,659,539	10,067,216	477,095	941,296	141,492,964	132,786,360	3,169,747	3,847,661	1,689,196	360,334,229	218,841,265	43
12,273,448	384,318	4,684	26,213	10,997,646	10,071,811	285,093	579,741	61,001	38,166,267	27,168,621	44
41,346,606	3,820,100	188,495	335,002	81,410,211	28,159,768	637,315	1,511,472	1,101,656	125,630,124	94,219,913	45
62,333,150	5,003,332	519,267	674,969	63,893,133	59,940,248	1,109,910	1,507,801	1,308,174	218,044,728	154,178,595	46
21,555,489	575,484	80,698	7,128	17,950,681	14,055,843	2,773,387	1,030,498	90,953	53,450,770	35,600,089	47
2,593,142	193,709	46,998	37,260	39,285,774	37,321,880	1,845,639	628,255	-----	58,478,551	19,182,807	48
62,231,236	36,290,542	1,356,408	2,287,981	162,896,616	153,071,102	6,592,609	3,097,674	135,130	529,076,938	363,180,423	49
5,597,503	218,900	3,000	2,000	14,098,269	13,655,137	397,165	121,931	14,026	25,577,201	11,478,042	50
19,498,827	3,477,996	15,657	66,385	80,941,584	59,920,909	329,894	692,465	31,346	113,114,633	52,179,049	51
6,750,717	2,490,720	108,961	64,144	19,019,628	18,124,210	177,558	218,232	499,628	44,256,332	25,266,704	52
8,873,656	1,070,478	16,203	33,491	13,177,382	12,716,768	181,227	227,362	52,025	39,684,434	26,507,052	53
161,523,772	49,695,879	2,106,208	2,155,195	2,226,539,039	2,207,486,022	10,563,840	7,026,317	1,462,260	2,648,325,552	421,786,513	54
43,751,830	4,818,784	147,943	185,870	50,366,749	46,819,844	1,204,578	1,958,853	333,474	170,291,472	119,924,723	55

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1,2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Dis-tribution	Con-struction	Other	Total <sup>1</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1	4 Men's and boys' hats and caps (except felt and straw)	270	318	3,909	128	197	3,383	188	3	10	\$3,766,228	\$366,904	\$280,741
2	4 Men's and boys' shirts (except work shirts), collars, and nightwear—made in contract factories	141	120	13,760	68	278	13,371	24	3	16	8,285,661	260,239	365,829
3	4 Men's and boys' shirts (except work shirts), collars, and nightwear—made in inside factories or by jobbers engaging contractors	449	202	61,245	359	2,274	57,082	1,387	59	87	45,380,043	2,087,754	3,332,029
4	4 Men's and boys' suits, coats, and overcoats (except work clothing)—made in contract factories	1,078	1,298	50,034	491	854	48,456	160	5	68	46,560,818	1,415,120	1,254,710
5	4 Men's and boys' suits, coats, and overcoats (except work clothing)—made in inside factories or by jobbers engaging contractors	1,371	969	101,194	1,398	5,102	89,031	5,356	77	230	123,757,073	8,181,758	9,401,079
6	4 Men's and boys' underwear—made in contract factories	10	16	1,238	8	19	1,211				730,912	21,426	18,928
7	4 Men's and boys' underwear—made in inside factories or by jobbers engaging contractors	44	15	5,663	30	204	5,332	75	13	9	3,576,532	156,264	265,871
8	4 Men's neckwear—made in contract factories	34	37	946	6	17	917	6			607,904	32,212	22,063
9	4 Men's neckwear—made in inside factories or by jobbers engaging contractors	347	311	10,421	251	508	8,656	929	1	46	10,346,954	1,154,212	740,838
10	17 Metalworking machinery and equipment, not elsewhere classified	178	35	21,069	302	3,734	15,899	990	27	57	37,367,967	2,429,370	7,642,349
11	4 Millinery	1,050	670	29,260	1,081	1,674	24,298	2,143	3	61	36,692,673	4,200,084	2,754,881
12	13 Minerals and earths, ground or otherwise treated	237	39	6,970	197	654	5,858	174	81	0	8,336,637	820,806	1,261,354
13	13 Mineral wool	58	15	2,297	49	215	1,885	87	61		2,601,506	198,839	383,391
14	17 Mining machinery and equipment	65	17	6,901	114	1,093	4,940	708	20	26	10,644,810	738,840	2,188,465
15	6 Mirror frames and picture frames	182	122	3,951	161	262	3,220	307		1	4,626,783	656,143	395,923
16	13 Mirrors and other glass products made of purchased glass	557	369	12,195	472	930	10,012	720	20	41	15,168,351	1,744,957	1,550,920
17	20 Miscellaneous fabricated products not elsewhere classified	582	463	16,459	486	1,286	13,608	1,053	17	9	16,973,418	2,049,307	2,083,446
18	4 Miscellaneous fabricated textile products not elsewhere classified	300	213	7,300	251	586	5,852	557	36	18	7,965,278	1,186,835	930,323
19	20 Models and patterns (except paper patterns)	683	667	6,638	366	443	5,566	257	6		11,857,209	1,510,007	840,229
20	13 Monuments, tombstones, cut-stone, and stone products not elsewhere classified	1,244	974	22,827	910	1,816	18,516	1,474	55	56	29,893,711	2,701,488	2,922,537
21	19 Motorcycles, bicycles, and parts	36	8	8,302	70	735	6,973	512	12		11,863,153	619,347	1,374,115
22	18 Motor vehicles, motor-vehicle bodies, parts and accessories	1,054	493	458,723	1,281	44,753	397,537	14,054	306	792	791,483,980	10,269,918	104,570,626
23	9 Mucilage, paste, and other adhesives, except glue and rubber cement	64	37	578	51	111	285	129		2	948,128	191,837	206,461
24	20 Musical instruments, parts, and materials not elsewhere classified	161	64	4,104	117	401	3,191	370	25		5,710,088	639,108	599,994
25	14 Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills	36	5	2,996	64	264	2,515	128	25		3,850,716	388,363	434,810
26	13 Natural graphite, ground and refined	6	2	88	4	14	56	14			163,142	31,683	38,490
27	20 Needles, pins, hooks and eyes, and slide and snap fasteners	58	12	13,537	86	1,632	10,403	922	494		18,183,881	898,431	2,897,591
28	8 Newspapers: publishing and printing	6,878	5,768	204,897	4,177	62,396	96,991	41,025	282	26	379,127,956	25,315,955	122,113,051
29	8 Newspapers: publishing without printing	431	246	2,532	184	1,665	260	423			3,252,563	460,796	1,899,302
30	1 Nonalcoholic beverages	4,504	3,530	54,994	2,827	4,739	21,265	25,357	210	596	76,831,849	11,802,603	7,446,711
31	13 Nonclay refractories	46	2	5,278	49	366	4,792	63	3	5	6,580,146	268,893	780,529
32	15 Nonferrous-metal foundries (except aluminum)	600	426	11,499	474	936	9,699	294	38	58	16,682,104	1,982,857	1,792,441
33	15 Nonferrous-metal products not elsewhere classified	438	225	30,594	536	3,322	24,834	1,395	344	163	48,993,295	3,820,896	6,727,011
34	17 Office and store machines, not elsewhere classified	123	26	44,144	167	5,811	36,204	1,693	167	72	67,676,777	1,943,881	11,830,254
35	6 Office furniture	152	64	14,921	230	1,392	11,776	1,306	45	172	19,978,611	1,211,809	2,432,785
36	14 Oil burners, domestic and industrial	136	92	2,723	173	541	1,498	501		10	4,588,075	791,146	863,141
37	17 Oil-field machinery and tools	223	33	16,815	241	2,297	12,524	1,545	160	48	28,940,301	1,802,143	4,841,908
38	1 Oleomargarine—not made in meat-packing establishments	18	1	1,709	26	234	984	442	8	15	2,896,387	257,969	508,349
39	20 Ophthalmic goods: lenses and fittings	91	32	13,497	148	1,958	10,252	963	160	16	19,270,860	1,282,990	3,409,696
40	20 Optical instruments and lenses	30	13	1,767	32	208	1,372	108	47		2,677,313	197,604	435,794
41	20 Organs	34	15	1,251	51	88	989	123			1,555,936	155,282	146,185
42	10 Oven coke and coke-oven byproducts	63		24,060	26	2,066	21,008	364	502	94	39,003,487	235,668	5,536,098
43	9 Paints, varnishes, and lacquers	1,166	386	58,154	1,439	5,826	22,334	8,095	166	294	70,395,207	9,038,114	11,968,838
44	7 Paper and paperboard mills	638	19	129,217	871	11,447	110,575	3,047	3,037	240	188,316,938	7,611,171	25,369,431
45	7 Paper bags, except those made in paper mills	119	19	12,703	140	896	11,081	509	67	10	14,933,981	1,332,305	1,673,734
46	7 Paperboard containers and boxes not elsewhere classified	1,338	497	75,376	1,783	5,845	62,530	4,852	326	60	95,873,427	10,841,974	10,749,106

See footnotes at end of table.

## GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4</sup>	Value added by manu- facture <sup>4</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>1</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$2,876,566	\$224,671	\$3,986	\$13,360	\$5,711,475	\$5,477,034	\$17,246	\$81,729	\$135,460	\$11,605,495	\$5,894,020	1
7,619,301	24,295	4,067	11,330	1,146,963	969,895	40,438	123,432	13,198	11,191,950	10,044,987	2
37,322,688	2,449,963	85,277	102,332	107,491,718	97,395,115	296,402	576,547	9,223,654	181,174,168	73,082,450	3
43,084,136	149,558	4,335	52,959	4,947,754	3,268,869	216,769	550,958	911,158	61,600,457	56,712,733	4
96,044,275	9,816,581	101,121	213,159	320,009,119	267,428,478	578,058	1,156,471	60,446,112	536,612,780	207,003,061	5
696,558				181,789	168,117	2,694	10,978		1,094,784	912,995	6
3,031,901	100,401	12,749	9,256	10,095,777	9,123,324	21,811	57,547	893,095	15,598,176	5,502,399	7
549,831	3,798			145,227	131,154	1,091	12,082		987,713	842,486	8
6,796,109	1,626,361	1,430	28,004	26,451,969	25,414,788	22,749	133,662	880,770	45,404,814	18,952,845	9
25,089,052	2,116,452	32,773	57,971	34,749,908	32,921,067	628,282	790,152	410,407	98,975,454	64,225,546	10
26,059,759	3,599,516	8,891	74,542	48,235,584	47,106,145	170,105	659,327	300,007	105,600,643	57,365,059	11
5,749,781	389,495	108,000	7,201	14,659,619	12,234,117	990,770	1,263,361	171,371	38,903,146	24,243,527	12
1,820,727	131,918	66,631		3,634,865	2,712,034	664,867	157,964		8,237,553	4,702,688	13
6,276,899	1,391,066	8,907	40,843	15,374,068	14,766,445	298,202	250,300	50,031	33,558,909	18,184,841	14
3,064,776	509,138		4,783	5,570,293	5,321,934	41,958	113,890	92,511	13,249,507	7,679,214	15
10,615,452	1,106,870	14,954	45,189	26,454,765	25,651,051	329,617	397,400	76,037	49,886,406	23,431,641	16
11,251,780	1,556,312	24,511	8,062	23,321,980	22,402,843	211,170	389,471	327,496	51,849,418	28,527,438	17
4,789,063	968,932	75,164	14,961	17,036,615	16,435,973	85,852	143,194	371,596	31,640,283	14,603,668	18
9,036,886	462,326	7,761		4,228,241	3,831,346	100,242	222,966	73,687	22,329,056	18,100,815	19
21,999,696	2,134,597	80,330	55,063	25,236,612	21,733,201	547,380	2,232,389	773,642	75,811,785	50,525,173	20
8,973,875	875,269	20,547		24,041,357	23,314,775	290,758	290,578	145,246	43,052,278	19,010,921	21
644,904,621	29,727,848	639,563	1,371,414	2,720,561,158	2,634,539,860	18,749,074	16,646,374	50,026,860	4,039,930,733	1,319,369,575	22
289,857	257,080		2,893	2,141,221	2,072,461	28,961	39,777	32	4,168,855	2,027,634	23
3,917,243	622,329	31,414		3,444,632	3,218,241	63,371	105,653	57,367	11,552,380	8,107,748	24
2,730,275	268,025	29,243		5,836,150	5,534,809	116,288	182,132	2,921	12,907,854	7,071,704	25
65,530	27,439			851,893	838,544	5,266	8,083		1,251,206	399,313	26
11,804,341	1,702,633	880,885		13,484,971	12,751,117	181,663	270,952	281,239	38,155,126	24,670,155	27
164,355,044	66,594,277	704,144	45,485	227,177,331	202,310,974	2,651,478	7,205,049	15,009,830	898,225,000	671,047,669	28
868,445	529,050			5,314,630	427,902	9,009	25,893	4,851,826	11,963,611	6,648,981	29
20,344,719	36,120,502	271,425	785,889	153,935,249	149,677,814	1,500,842	2,632,748	123,845	365,778,930	211,843,081	30
5,316,179	193,683	26,070	4,792	11,598,114	9,001,970	2,135,179	455,935	5,030	20,906,439	15,308,325	31
12,210,365	560,999	71,974	63,468	28,703,313	26,873,748	1,009,099	562,554	257,612	55,636,898	26,933,585	32
34,751,402	3,100,625	418,339	175,022	62,004,698	57,843,152	1,271,295	1,570,801	1,319,450	141,765,939	79,761,241	33
49,981,728	3,497,468	329,512	93,934	29,142,772	27,736,558	643,936	609,234	153,044	150,170,237	121,027,465	34
13,674,150	2,284,395	56,585	318,887	22,569,905	21,678,204	445,039	362,618	84,044	54,750,991	32,180,186	35
1,893,283	1,032,383		8,122	10,272,883	10,082,182	58,668	75,977	56,056	18,468,017	8,195,134	36
18,740,996	3,306,870	193,583	54,801	31,304,546	29,646,801	551,342	978,956	127,447	88,977,327	57,672,781	37
1,294,512	797,239	13,853	24,465	21,734,278	21,467,103	133,508	133,667		34,101,757	12,367,479	38
12,240,008	2,074,537	237,745	19,889	14,209,313	13,574,877	340,477	278,719	15,240	44,954,653	30,745,340	39
1,847,767	149,894	46,254		1,113,634	1,004,291	30,500	37,049	41,194	4,745,579	3,631,945	40
1,054,067	200,402			1,296,095	1,217,345	30,189	29,084	20,077	3,420,893	2,124,198	41
31,779,615	650,832	635,689	165,585	257,650,679	246,328,808	8,791,732	2,434,601	95,538	342,197,303	84,546,024	42
31,701,798	17,072,762	278,084	335,611	245,570,837	241,438,815	1,853,657	2,136,755	141,067	454,960,890	189,390,053	43
142,600,828	7,895,343	4,403,301	434,364	532,260,521	473,236,078	43,606,787	15,387,272	130,394	933,015,664	409,755,143	44
10,628,601	1,154,183	129,908	15,250	53,964,442	53,171,074	136,331	346,743	310,294	85,776,374	31,811,932	45
63,806,013	9,930,874	434,830	110,630	213,838,608	209,725,722	1,511,833	2,013,602	587,431	382,709,595	168,870,987	46

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1,2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1	17 Paper-mill, pulp-mill, and paper-products machinery	99	28	7,258	192	1,206	5,409	411	26	14	\$12,990,332	\$1,605,548	\$2,437,694
2	6 Partitions, shelving, cabinet work, and office and store fixtures	716	510	17,841	702	1,622	13,826	1,581	33	77	26,039,336	2,900,030	2,814,676
3	16 Paving blocks and paving mixtures: asphalt, creosoted wood, and composition	231	35	3,193	113	389	2,437	222	29	3	4,494,084	544,928	738,745
4	20 Pencils (except mechanical) and crayons	40	12	4,977	81	469	3,779	602	46	-----	6,027,950	541,431	907,525
5	20 Pens, mechanical pencils, and pen points	70	39	6,323	86	512	4,463	1,250	12	-----	7,859,711	751,088	820,678
6	9 Perfumes, cosmetics, and other toilet preparations	539	201	15,614	571	1,669	10,363	2,911	36	64	21,717,088	4,080,481	2,866,980
7	8 Periodicals: publishing and printing	600	250	34,718	637	7,459	20,985	5,501	112	24	60,033,717	3,967,234	14,080,609
8	8 Periodicals: publishing without printing	1,958	532	27,254	1,859	15,141	436	9,816	-----	2	50,350,608	11,111,074	27,660,563
9	10 Petroleum refining	485	109	100,972	335	14,407	72,840	2,513	10,175	702	180,547,331	2,112,748	36,069,048
10	8 Photoengraving, not done in printing establishments (including preparation of plates)	694	384	13,747	981	1,626	9,207	1,928	3	2	35,019,183	4,880,820	3,140,030
11	20 Photographic apparatus and materials and projection equipment (except lenses)	160	79	24,497	181	4,238	17,271	1,062	1,686	59	40,880,449	1,222,938	9,545,127
12	20 Piano and organ parts and materials	23	2	1,501	38	98	1,315	45	5	-----	1,944,840	213,138	243,737
13	20 Pianos	35	4	5,987	48	464	5,311	158	6	-----	7,613,404	243,802	867,950
14	1 Pickled fruits and vegetables and vegetable sauces and seasonings	377	261	12,194	294	822	9,908	1,109	34	27	11,740,305	1,173,288	1,397,756
15	5 Planing mills not operated in conjunction with sawmills	3,076	2,042	76,242	2,201	5,861	62,838	4,783	145	414	88,418,374	8,087,811	9,478,127
16	9 Plastic materials	38	1	10,080	44	2,017	6,966	420	612	12	16,916,989	503,226	4,254,643
17	5 Plywood mills	86	24	16,597	142	514	9,805	92	28	16	11,942,712	683,637	967,264
18	13 Porcelain electrical supplies	42	7	6,897	72	631	6,018	131	44	1	8,769,011	564,701	1,253,088
19	13 Pottery products not elsewhere classified	151	105	6,972	161	450	6,054	286	16	5	8,540,161	781,954	793,839
20	1 Poultry dressing and packing, wholesale	765	550	16,731	188	1,235	14,506	687	19	96	11,955,717	623,545	1,750,825
21	14 Power boilers and associated products	448	199	25,509	661	4,046	18,888	1,882	21	11	40,337,636	3,277,693	7,028,343
22	1 Prepared feeds (including mineral) for animals and fowls	1,383	981	24,177	794	2,747	15,401	4,701	243	231	31,803,464	3,875,937	4,436,823
23	1 Preserves, jams, jellies, and fruit butters	171	79	4,774	153	393	3,717	447	23	41	5,289,747	700,062	621,931
24	15 Primary smelting and refining of nonferrous metals	63	1	32,996	16	3,701	27,636	14	659	886	49,822,601	142,496	8,913,869
25	9 Printing ink	266	41	4,376	200	885	2,572	698	7	14	9,073,056	1,355,652	2,136,495
26	17 Printing-trades machinery and equipment	231	93	13,139	261	2,062	9,376	1,376	20	104	23,480,578	1,816,454	4,178,695
27	3 Processed waste and recovered wool fibers—contract factories	27	9	693	25	46	619	3	-----	-----	742,794	99,705	74,001
28	3 Processed waste and recovered wool fibers—regular factories or jobbers engaging contractors	126	54	4,990	171	387	4,225	189	18	-----	5,424,661	1,000,986	631,290
29	20 Professional and scientific instruments (except surgical and dental)	218	110	13,896	262	2,715	9,429	1,165	84	211	24,319,640	1,901,420	5,466,706
30	6 Public-building furniture	106	48	7,062	141	777	5,900	228	10	6	9,058,119	630,370	1,298,801
31	7 Pulp goods (pressed, molded)	14	4	856	18	75	701	62	-----	-----	1,080,929	80,531	103,494
32	7 Pulp mills	194	2	30,613	65	2,314	26,870	36	1,120	208	40,866,247	635,481	5,243,830
33	17 Pumping equipment and air compressors	337	113	27,187	491	4,374	19,180	2,831	130	181	43,266,655	2,870,775	8,290,311
34	1 Quick-frozen foods	36	10	2,825	19	122	2,640	38	3	3	1,995,416	110,881	160,911
35	16 Radios, radio tubes, and phonographs	224	62	55,924	361	7,391	43,508	3,901	640	123	75,066,501	3,013,462	14,836,322
36	4 Raincoats and other waterproof garments (except oiled cotton)	76	50	2,728	72	151	2,323	179	-----	3	2,673,412	310,167	250,352
37	6 Rattan and willowware (except furniture) and baskets other than vegetable and fruit baskets	47	32	1,631	56	101	1,377	96	-----	1	1,510,977	301,397	153,923
38	9 Rayon and allied products	30	-----	55,471	36	5,230	48,332	207	1,380	286	75,247,622	604,051	11,689,302
39	3 Rayon broad woven goods—contract factories	79	42	4,574	77	169	4,313	15	-----	-----	3,575,757	210,374	238,799
40	3 Rayon broad woven goods—regular factories or jobbers engaging contractors	196	36	68,296	228	2,405	65,432	222	-----	9	60,129,705	1,713,319	4,310,258
41	3 Rayon narrow fabrics	120	65	6,931	113	506	5,990	302	6	5	6,454,834	541,691	774,673
42	3 Rayon throwing and spinning—contract factories	32	15	2,546	21	95	2,423	7	-----	-----	1,733,790	98,558	134,163
43	3 Rayon yarn and thread, spun or thrown—regular factories or jobbers engaging contractors	52	11	6,385	62	338	5,930	50	5	-----	4,939,758	331,768	495,148
44	11 Reclaimed rubber	10	-----	1,282	16	96	1,072	31	62	5	1,969,617	159,000	227,207
45	17 Refrigerators, domestic (mechanical and absorption), refrigeration machinery and equipment, and complete air-conditioning units	309	156	43,174	388	4,615	35,160	2,027	201	183	65,774,100	2,326,447	9,465,047
46	1 Rice cleaning and polishing	72	28	3,213	83	509	2,346	213	13	54	3,094,104	323,647	828,704
47	4 Robes, lounging garments, and dressing gowns	264	237	8,716	191	527	7,377	572	3	46	8,280,452	811,786	772,043
48	10 Roofing, built-up and roll, asphalt shingles; roof coating (except paint)	129	35	10,174	68	1,001	8,048	900	145	12	14,660,259	548,302	2,094,215

See footnotes at end of table.

## GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4</sup> 5	Value added by manu- facture <sup>6</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>4</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$7,775,242	\$1,105,540	\$51,730	\$14,572	\$12,727,445	\$12,141,188	\$250,505	\$254,034	\$81,718	\$32,419,924	\$19,692,479	1
17,735,228	2,407,947	54,416	67,038	30,506,708	29,183,376	311,656	589,538	422,138	70,718,293	40,211,585	2
2,681,421	492,589	33,645	2,756	19,026,756	17,741,684	833,741	313,267	138,064	32,754,308	13,727,552	3
3,434,301	1,070,242	74,361	-----	7,279,439	6,800,091	182,885	110,143	186,320	15,859,756	8,580,317	4
4,328,516	1,938,611	20,218	-----	8,699,959	8,430,115	56,671	110,119	103,054	24,880,890	16,180,931	5
9,643,540	4,993,793	42,937	89,357	58,509,926	57,845,560	290,206	265,234	198,926	147,465,585	88,955,659	6
33,002,502	8,767,519	197,813	18,040	57,632,808	49,651,748	607,509	871,503	6,502,048	202,015,136	144,392,328	7
550,099	20,027,972	-----	900	116,664,127	38,866,772	26,264	122,843	77,648,248	266,831,618	150,167,491	8
128,214,055	4,589,704	18,405,560	1,156,216	1,933,264,243	1,861,671,143	58,479,092	10,904,378	2,209,630	2,461,126,549	527,892,306	9
22,568,156	4,423,202	5,317	1,658	7,361,670	5,855,276	110,333	570,316	825,745	55,619,445	48,257,775	10
25,286,669	1,812,046	2,869,829	143,840	42,556,269	40,528,150	1,083,122	684,075	266,922	133,899,429	91,343,160	11
1,430,642	48,392	8,961	-----	1,927,208	1,829,883	56,299	40,291	825	4,771,563	2,844,265	12
6,123,348	367,500	11,304	-----	10,124,236	9,815,904	213,142	94,661	539	20,493,110	10,389,874	13
7,393,306	1,679,741	50,247	45,967	42,618,673	41,888,112	454,554	270,007	(?)	72,637,388	30,018,715	14
62,815,065	7,447,338	189,045	400,088	177,734,772	172,448,263	1,099,516	3,134,639	1,052,354	320,613,516	142,878,744	15
9,839,935	1,248,324	1,049,064	21,797	40,593,524	38,332,809	1,396,547	654,237	179,931	77,663,314	37,089,790	16
9,942,874	276,690	57,014	14,433	18,324,670	17,597,282	141,841	533,493	62,563	38,878,932	20,554,253	17
6,530,168	321,110	98,093	961	7,144,220	6,219,375	666,796	244,811	13,238	20,817,045	13,672,825	18
6,398,313	547,824	22,983	4,248	3,817,600	2,800,578	756,838	239,348	20,836	16,583,344	12,775,744	19
8,045,247	816,654	18,705	91,741	114,742,997	113,844,884	342,411	555,672	(?)	138,318,081	23,575,084	20
25,298,161	3,783,037	39,918	10,484	70,654,747	66,095,297	996,083	1,461,592	1,501,175	140,959,533	70,304,736	21
16,252,988	6,094,642	295,114	247,960	302,640,178	298,420,369	1,113,775	3,039,845	75,189	401,880,238	99,240,060	22
3,125,617	756,214	31,808	54,115	26,681,864	26,313,863	246,515	121,546	(?)	38,025,559	11,348,695	23
38,411,086	32,286	992,842	1,330,022	819,570,289	791,402,032	14,486,045	11,640,971	2,041,241	956,572,480	137,002,197	24
3,701,318	1,854,055	11,319	13,217	25,166,041	24,464,942	163,038	534,681	2,780	49,131,575	23,965,534	25
14,646,956	2,679,758	39,780	118,935	15,052,064	14,169,692	319,643	429,579	134,050	55,581,691	40,523,727	26
563,961	5,127	-----	-----	244,958	128,796	46,662	69,500	(?)	1,449,449	1,204,491	27
3,370,149	406,558	15,678	-----	22,233,867	21,550,332	247,268	311,721	124,536	31,524,545	9,200,688	28
13,708,826	2,616,775	191,959	433,954	17,711,101	15,983,720	167,823	308,245	1,251,813	61,017,302	43,306,201	29
6,567,855	543,068	12,662	5,373	11,437,549	10,851,218	197,192	175,383	213,756	26,678,659	15,241,110	30
818,699	72,205	-----	-----	1,522,772	1,225,994	116,158	180,620	-----	3,826,393	2,303,621	31
33,087,514	134,604	1,268,747	506,011	144,736,646	127,768,914	11,402,602	5,518,728	46,402	226,851,822	82,115,176	32
26,208,019	5,437,053	210,267	250,230	54,203,943	52,022,568	1,022,824	771,462	387,089	134,940,777	80,739,834	33
1,656,025	39,929	17,198	1,472	6,182,735	6,001,251	27,118	154,366	-----	10,107,442	3,924,707	34
47,025,658	9,435,495	1,119,052	176,512	145,850,163	142,915,417	723,182	1,117,375	1,094,189	275,870,165	130,020,002	35
1,873,838	237,185	-----	1,870	7,082,997	6,287,950	6,019	39,830	749,198	11,304,341	4,221,344	36
925,968	127,982	-----	1,707	1,673,542	1,631,481	15,541	26,420	100	3,917,695	2,244,153	37
60,029,523	668,489	1,874,860	381,397	78,459,699	71,297,741	6,014,761	1,099,414	47,793	247,065,556	168,605,857	38
3,119,831	6,753	-----	-----	627,095	349,389	35,160	242,546	(?)	5,306,825	4,679,730	39
53,435,008	661,059	1,009	9,052	177,442,588	170,009,196	937,982	3,610,354	2,894,056	272,713,927	95,271,339	40
4,754,593	371,283	3,462	9,132	9,013,531	8,692,547	119,501	201,483	(?)	20,516,419	11,502,888	41
1,480,436	25,633	-----	-----	592,337	302,200	34,273	255,864	(?)	3,066,274	2,473,937	42
3,996,548	114,270	2,024	-----	18,627,225	17,882,196	166,294	473,106	105,629	26,470,882	7,843,657	43
1,477,036	48,676	52,599	5,099	2,992,406	2,249,921	175,271	567,214	-----	6,894,018	3,901,012	44
48,391,644	5,025,604	300,069	264,989	150,462,662	146,639,804	1,515,779	2,043,604	263,475	278,645,540	128,182,878	45
1,533,096	326,237	20,579	61,841	33,802,651	33,625,771	42,911	133,699	270	42,363,349	8,560,698	46
5,700,600	958,198	3,333	34,492	25,683,969	22,772,495	18,231	141,814	2,751,429	39,830,309	14,146,340	47
9,840,900	1,939,445	223,872	13,525	61,408,320	59,571,065	1,299,627	521,785	13,843	107,820,573	46,420,553	48



TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1 2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Dis-tribution	Con-struction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1 13	Roofing tile	16	9	726	7	75	628	16			\$787,860	\$11,002	\$136,966
2 11	Rubber boots and shoes (including rubber-soled footwear with fabric uppers)	13		15,098	29	2,072	14,861	994	109	33	22,056,016	222,801	3,256,389
3 11	Rubber products not elsewhere classified	519	156	63,189	741	6,666	50,692	4,093	955	132	80,732,785	4,981,425	12,339,249
4 12	Saddlery, harness, and whips	156	100	3,351	111	255	2,755	221	6	3	3,415,580	357,601	348,457
5 14	Safes and vaults	16	6	1,558	22	207	1,250	84	3	6	2,285,911	146,785	348,830
6 1	Salad dressings	134	87	3,511	76	326	2,556	500	18	35	4,190,235	264,447	575,655
7 9	Salt	40	4	4,555	30	377	3,737	234	168	9	5,927,903	238,343	827,292
8 13	Sand-lime brick, block and tile	27	9	429	16	26	345	34	7		379,867	43,209	42,415
9 1	Sausage casings—not made in meat-packing establishments	37	13	1,194	28	68	987	111			1,442,278	165,278	122,641
10 1	Sausages, prepared meats, and other meat products—not made in meat-packing establishments	1,067	750	16,998	554	1,258	11,277	3,720	59	130	24,537,484	2,715,901	2,288,880
11 5	Sawmills, veneer mills, and cooperage-stock mills, including those combined with logging camps and with planing mills	7,391	6,938	287,272	2,147	12,824	265,185	3,998	2,388	730	264,598,365	8,928,293	21,343,580
12 14	Saws	87	42	4,902	97	599	4,072	218	5	1	7,097,896	594,783	951,608
13 17	Scales and balances	36	16	3,757	82	523	2,839	306	6	1	5,560,413	489,713	1,048,061
14 14	Screw-machine products and wood screws	345	182	20,300	458	1,819	16,924	991	94	14	30,800,223	2,924,281	3,655,408
15 15	Secondary smelting and refining, gold, silver, and platinum	66	43	1,741	57	181	1,115	342		46	3,306,758	392,656	455,366
16 15	Secondary smelting and refining of nonferrous metals, not elsewhere classified	108	53	4,750	140	616	3,608	292	56	38	7,637,656	965,885	1,471,144
17 13	Sewer pipe and kindred products	65	6	7,051	77	335	6,406	195	36	2	8,276,040	391,355	621,046
18 17	Sewing machines, domestic and industrial	39	11	9,568	66	1,110	7,840	286	273	3	14,895,466	400,471	2,369,156
19 15	Sheet-metal work not specifically classified	1,262	798	24,740	1,102	2,296	18,749	2,470	26	97	36,727,272	4,792,146	4,159,411
20 19	Shipbuilding and ship repairing	406	198	75,118	483	7,175	66,611	396	345	108	126,244,783	3,108,546	17,091,104
21 20	Signs, advertising displays, and advertising novelties	1,386	1,028	23,370	1,023	2,246	17,206	2,824	68	3	33,674,925	4,577,951	3,575,754
22 3	Silk broad woven goods—contract factories	37	20	1,169	20	50	1,096	3			833,219	40,198	63,709
23 3	Silk broad woven goods—regular factories or jobbers engaging contractors	82	32	9,507	84	622	8,754	45		2	9,197,390	439,988	1,056,577
24 3	Silk narrow fabrics	100	33	4,741	88	285	4,309	52		7	4,882,191	439,922	503,111
25 3	Silk throwing and spinning—contract factories	78	32	12,931	60	474	12,374	21	2		8,718,571	262,227	757,876
26 3	Silk yarn and thread, spun or thrown—regular factories or jobbers engaging contractors	53	9	9,896	48	486	9,191	163	5	3	8,498,789	575,875	808,063
27 15	Silverware and plated ware	159	70	14,712	215	1,304	12,105	968	60	62	20,969,708	1,287,821	2,819,206
28 12	Small leather goods	118	87	4,350	106	264	3,615	365			4,460,969	567,822	370,886
29 9	Soap and glycerin	264	98	20,191	285	3,345	13,624	2,521	386	30	33,090,782	1,731,812	6,876,102
30 20	Soda fountains, beer dispensing equipment, and related products	51	18	2,027	52	270	1,590	114	1		3,367,841	195,099	599,904
31 9	Soybean oil, cake, and meal	47	15	2,010	17	321	1,481	102	87	2	2,850,754	87,982	575,487
32 1	Special dairy products	51	11	3,085	34	330	2,378	285	10	48	3,800,085	187,448	661,754
33 17	Special industry machinery, not elsewhere classified	207	79	13,648	317	2,094	10,388	802	12	35	23,205,920	2,071,598	4,184,513
34 20	Sporting and athletic goods not elsewhere classified	350	230	16,633	324	1,457	13,816	955	81		19,813,189	1,566,506	2,333,491
35 14	Springs, steel (except wire)—made in plants not operated in connection with rolling mills	53	12	3,591	71	370	2,940	197	8	5	5,738,797	370,674	742,745
36 14	Stamped and pressed metal products (except automobile stampings)	655	281	39,362	876	3,539	33,112	1,708	90	37	53,345,731	5,109,281	6,569,051
37 13	Statuary and art goods (except stone and concrete)—factory production	126	148	1,172	63	78	983	43		3	1,532,547	192,810	122,195
38 14	Steam and hot-water heating apparatus (including hot-water furnaces)	68	10	10,024	76	924	8,493	521	10		12,950,200	390,699	1,677,972
39 13	Steam and other packing, pipe and boiler covering	134	49	7,531	161	719	5,907	673	53	18	11,168,780	1,001,276	1,482,976
40 17	Steam engines, turbines, and water wheels	18		5,531	44	1,250	3,902	312	22	1	10,523,900	340,739	2,776,193
41 14	Steam fittings, regardless of material	181	29	27,931	329	4,242	21,815	1,466	27	52	42,787,183	2,268,760	7,856,327
42 14	Steel barrels, kegs, and drums	64	8	6,964	71	550	6,072	260	11		9,544,086	523,046	1,060,835
43 14	Steel castings	164	6	35,567	335	3,957	30,088	875	258	54	55,545,434	2,591,831	8,428,680
44 14	Steel works and rolling mills	253	1	413,290	384	34,149	368,904	2,042	6,576	325	674,846,218	4,635,074	83,019,163
45 17	Stokers, mechanical, domestic and industrial	61	15	4,927	89	659	3,549	591	29	10	7,576,509	515,631	1,174,325
46 14	Stoves, ranges, water heaters, and hot-air furnaces (except electric)	449	148	50,984	724	4,465	41,701	3,861	75	158	68,890,420	4,730,289	7,013,661
47 12	Suitcases, brief cases, bags, trunks, and other luggage	329	233	9,924	349	559	8,326	688	1	1	11,555,796	1,452,602	928,334
48 20	Surgical and medical instruments	50	22	2,232	80	239	1,626	282	2	3	3,741,819	538,318	467,702
49 20	Surgical supplies and equipment not elsewhere classified; orthopedic appliances	360	220	13,129	293	1,676	8,468	2,471	221		17,942,661	1,793,597	2,934,922
50 4	Suspenders, garters, and other goods made from purchased elastic material	66	53	3,202	54	249	2,558	336		5	3,152,804	245,684	385,013

See footnotes at end of table.

## GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4</sup>	Value added by manu- facture <sup>5</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>1</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$815,607	\$22,066	\$1,770	-----	\$376,245	\$141,578	\$205,073	\$29,594	-----	\$1,824,881	\$1,448,636	1
16,801,537	1,554,017	189,629	\$31,643	20,749,368	19,711,362	378,767	635,412	\$23,827	49,980,501	29,231,223	2
53,357,735	8,397,868	1,491,092	165,416	122,875,377	115,274,427	3,096,216	4,203,621	301,113	264,525,200	141,649,823	3
2,388,239	314,374	4,756	2,153	6,876,684	6,756,855	52,508	52,183	15,138	12,118,430	5,241,746	4
1,589,088	190,840	5,209	5,063	2,413,251	2,275,394	58,618	58,646	20,593	6,084,319	3,671,068	5
2,433,965	792,804	43,323	50,041	37,873,069	37,652,204	105,811	115,054	-----	48,941,846	11,068,777	6
4,235,484	345,788	264,890	16,606	9,568,742	9,338,580	2,088,071	142,001	-----	27,530,172	17,961,430	7
414,466	74,060	4,817	-----	637,730	510,163	78,273	40,294	-----	1,915,878	1,278,148	8
882,335	272,024	-----	-----	3,709,461	3,673,182	17,960	18,319	-----	6,014,658	2,305,197	9
13,473,199	5,838,172	72,307	140,025	165,045,149	162,777,385	923,831	1,343,933	( <sup>1</sup> )	208,048,345	43,003,196	10
214,920,436	5,518,831	2,889,167	908,058	280,019,254	252,977,343	4,325,283	3,338,707	19,377,921	692,944,624	412,925,370	11
5,167,649	344,509	6,655	2,192	6,784,355	6,155,219	289,009	239,261	100,866	18,470,682	11,686,327	12
3,306,476	734,347	6,932	884	4,987,614	4,676,264	111,011	112,404	87,835	14,350,068	9,362,554	13
22,106,007	1,990,162	107,251	17,114	32,649,213	29,986,563	520,625	1,194,135	947,800	82,806,869	50,157,656	14
1,686,944	699,322	-----	72,470	94,783,030	94,485,005	165,164	92,173	40,688	101,783,864	7,000,834	15
4,366,477	701,936	84,572	47,642	65,436,289	63,960,391	1,045,238	352,400	78,260	82,088,323	16,602,034	16
6,817,738	402,334	41,479	2,088	4,628,074	1,782,414	2,630,152	212,508	3,000	18,295,679	13,667,605	17
11,156,855	484,321	481,751	2,912	8,610,209	8,090,976	295,183	218,654	5,396	29,706,544	21,096,335	18
23,078,680	4,569,783	34,542	92,701	70,981,079	69,254,520	484,496	732,493	509,570	137,341,231	66,360,152	19
104,473,303	930,429	471,867	170,034	153,415,481	148,639,800	1,636,789	2,480,747	638,085	327,387,099	173,971,618	20
20,557,406	4,889,216	70,635	3,063	32,493,335	29,824,728	401,100	629,868	1,637,639	87,625,220	55,131,885	21
724,812	4,500	-----	-----	131,709	54,875	10,277	66,857	( <sup>1</sup> )	1,101,949	970,240	22
7,605,930	93,647	-----	1,248	21,638,641	20,387,512	239,502	423,508	588,119	35,732,233	14,093,592	23
3,852,093	74,388	-----	12,677	4,823,001	4,386,723	98,882	141,855	196,541	13,133,079	8,310,078	24
7,637,806	60,098	564	-----	3,407,825	2,029,436	122,229	895,883	360,277	15,853,452	12,445,627	25
6,735,942	284,715	3,683	511	34,026,782	33,065,600	174,757	550,141	236,284	48,004,906	13,978,214	26
15,304,394	1,880,114	110,801	67,372	24,787,356	23,917,247	398,031	395,408	79,670	62,771,158	37,883,802	27
2,760,588	771,663	-----	7,371,951	7,371,951	7,024,611	14,004	46,625	288,711	14,534,433	6,962,482	28
18,800,527	4,844,957	809,071	28,313	161,002,676	157,658,319	2,607,300	638,961	98,096	302,634,474	141,631,798	29
2,389,452	182,350	1,030	-----	5,968,179	5,808,320	58,651	54,343	46,865	13,659,820	7,691,641	30
1,889,467	205,233	91,109	1,486	34,434,845	33,321,647	467,894	637,909	7,395	43,946,647	9,611,802	31
2,426,951	444,728	19,955	59,249	50,883,865	50,101,204	133,338	149,323	-----	57,669,300	7,185,435	32
15,160,633	1,705,793	22,143	61,240	19,836,848	18,666,324	388,827	473,507	307,690	55,785,016	35,948,608	33
14,220,581	1,613,056	79,555	-----	26,689,795	25,692,456	306,122	507,959	183,258	64,753,813	38,064,018	34
4,277,439	321,107	20,746	6,086	12,795,702	12,633,716	493,407	267,360	1,210	23,044,252	10,248,550	35
37,535,454	3,942,358	139,133	50,454	89,140,826	85,222,454	1,183,722	1,798,306	936,344	178,305,076	89,254,250	36
1,150,324	65,460	-----	1,758	974,707	906,456	28,622	28,354	11,275	3,440,114	2,465,407	37
9,921,515	938,032	12,982	-----	17,165,298	15,718,041	942,239	493,706	6,282	45,377,801	28,212,533	38
7,190,308	1,386,533	86,842	20,845	17,608,350	16,628,640	697,983	269,081	12,046	37,170,483	19,562,133	39
6,349,143	1,051,352	6,118	364	9,551,498	9,133,733	289,725	125,638	2,402	24,751,466	15,199,908	40
29,629,764	2,933,620	42,302	56,360	37,697,330	35,376,169	1,111,176	983,421	196,564	111,985,627	74,318,297	41
7,360,075	581,041	17,689	-----	32,328,346	31,662,936	223,323	384,712	57,375	49,165,973	16,837,627	42
41,941,774	2,205,011	325,960	52,278	45,232,070	36,031,250	3,717,140	4,896,383	587,297	135,466,423	90,234,353	43
599,724,280	7,365,895	8,685,094	516,722	1,572,471,554	1,498,063,761	125,989,648	35,804,445	2,013,700	2,720,019,564	1,147,548,010	44
4,789,265	1,045,221	42,437	9,630	9,857,338	9,435,503	173,434	190,769	57,642	24,545,164	14,687,826	45
48,069,160	7,854,738	118,828	203,744	97,475,213	91,222,399	2,400,689	1,671,091	2,181,034	223,427,130	125,951,017	46
7,918,929	1,255,113	688	130	10,214,722	18,914,012	91,012	140,433	69,265	36,591,482	17,376,760	47
1,978,574	722,200	1,671	33,354	2,319,720	2,228,296	24,679	51,591	15,254	8,052,120	5,732,400	48
8,547,630	4,455,599	210,913	-----	40,296,593	39,568,465	271,188	392,526	64,414	79,398,442	39,101,840	49
1,956,082	558,724	-----	7,301	8,918,161	8,826,027	12,393	34,395	44,446	15,482,865	6,664,704	50

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Dis-tribution	Con-struction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued												
1	13 Tableware, pressed or blown glass, and glassware not elsewhere classified	115	29	31,320	183	2,697	27,330	902	182	26	\$38,974,956	\$1,216,089	\$5,292,508
2	9 Tanning materials, natural dyes, mordants, assistants, and sizes	158	33	4,057	168	632	2,716	405	67	69	7,106,047	1,366,480	1,373,278
3	13 Terra cotta	12	1	1,297	14	144	1,099	24	10	-----	1,666,886	62,691	241,931
4	4 Textile bags—not made in textile mills	216	110	13,903	159	968	11,991	758	15	12	14,530,646	1,087,185	1,652,014
5	17 Textile machinery	300	125	27,259	411	2,806	21,904	1,602	361	175	39,586,846	2,717,426	4,967,188
6	15 Tin and other foils (except gold and silver foil)	12	2	1,541	9	131	1,328	67	-----	6	2,403,476	69,137	288,681
7	14 Tin cans and other tinware not elsewhere classified	248	33	38,013	176	4,710	31,770	819	519	19	49,832,171	1,189,100	9,612,612
8	11 Tires and inner tubes	53	5	67,169	116	8,900	54,115	3,540	426	72	122,163,714	1,767,970	21,482,798
9	2 Tobacco (chewing and smoking) and snuff	132	78	10,970	121	853	9,202	592	84	118	11,963,341	606,569	1,854,322
10	20 Tobacco pipes and cigarette holders	32	13	2,814	46	127	2,481	154	6	-----	3,156,379	281,973	215,103
11	14 Tools (except edge tools, machine tools, files, and saws)	387	199	19,068	457	2,129	15,343	1,062	66	11	26,620,381	2,571,990	3,815,767
12	17 Tractors	30	4	39,262	48	6,221	31,275	1,535	167	16	64,803,114	250,623	10,936,609
13	19 Transportation equipment not elsewhere classified	41	20	1,543	51	157	1,252	73	10	-----	1,725,327	159,223	278,762
14	4 Trimmings (not made in textile mills), stamped art goods, and art needlework—contract factories	395	395	6,257	230	179	5,553	295	5	35	6,816,872	837,015	253,603
15	4 Trimmings (not made in textile mills), stamped art goods, and art needlework—made in regular factories or by jobbers engaging contractors	227	182	4,735	165	333	3,728	488	7	14	5,361,264	849,664	519,073
16	4 Trousers (semidress), wash suits, and washable service apparel	297	235	21,320	247	808	19,541	691	7	26	16,486,878	1,133,939	1,161,139
17	20 Umbrellas, parasols, and canes	90	79	3,236	78	184	2,892	112	-----	26	3,055,376	357,994	311,501
18	6 Upholstered household furniture	853	575	35,251	871	2,363	29,949	1,997	10	55	41,079,957	3,871,425	3,691,067
19	9 Vegetable and animal oils, not elsewhere classified	54	11	1,492	43	191	1,108	118	28	4	2,010,710	231,054	325,985
20	17 Vending, amusement, and other coin-operated machines	51	15	4,770	71	493	3,842	354	8	2	7,261,067	850,340	971,530
21	6 Venetian blinds	274	239	6,730	175	613	5,179	716	29	18	7,352,867	530,737	819,803
22	1 Vinegar and cider	132	70	1,330	43	145	1,059	71	-----	12	1,356,274	153,355	208,095
23	13 Vitreous-china plumbing fixtures	25	2	5,146	47	444	4,534	107	13	1	7,668,560	291,686	817,491
24	14 Vitreous enameled products, including kitchen, household, and hospital utensils	55	2	12,480	133	1,104	10,800	304	39	1	15,283,028	1,046,636	1,942,413
25	13 Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition	124	38	7,734	125	849	6,227	435	77	21	9,199,956	613,561	1,410,947
26	7 Wallpaper	46	7	4,885	81	417	4,054	324	9	-----	7,654,705	578,853	887,020
27	15 Watchcases	42	27	3,086	51	349	2,409	188	41	48	4,297,603	344,915	549,450
28	13 Whiteware	31	2	12,773	63	566	11,728	192	190	34	15,600,374	434,741	1,341,598
29	6 Window and door screens and weather strip	162	122	3,616	131	298	2,834	338	1	18	4,621,259	615,847	461,715
30	6 Window shades	273	210	4,072	110	325	3,261	365	7	4	4,821,455	397,561	515,583
31	1 Wines	301	214	3,491	172	504	2,056	885	109	65	4,550,868	661,086	783,216
32	14 Wire drawn from purchased rods	95	8	25,980	159	2,621	21,969	790	123	18	40,382,370	2,103,181	6,407,981
33	14 Wirework not elsewhere classified	669	413	35,916	714	3,179	30,386	1,512	91	34	49,066,575	4,454,674	5,952,959
34	16 Wiring devices and supplies	146	29	17,960	260	1,990	14,664	1,075	45	17	25,093,614	2,008,032	3,779,729
35	4 Women's and misses' blouses and waists—made in contract factories	132	152	5,249	36	89	5,109	11	1	3	3,739,119	133,336	113,984
36	4 Women's and misses' blouses and waists—made in inside factories or by jobbers engaging contractors	170	139	5,701	145	315	4,564	604	-----	13	6,425,151	725,737	527,083
37	4 Women's and misses' clothing, not elsewhere classified—made in contract factories	100	89	3,837	42	81	3,703	8	1	2	2,764,069	117,621	107,886
38	4 Women's and misses' clothing, not elsewhere classified—made in inside factories or by jobbers engaging contractors	231	185	7,535	199	355	6,251	665	2	33	7,880,365	806,421	512,459
39	4 Women's and misses' dresses (except house dresses)—made in contract factories	1,490	1,593	51,159	569	622	49,742	140	1	85	49,537,720	1,605,893	977,758
40	4 Women's and misses' dresses (except house dresses)—made in inside factories or by jobbers engaging contractors	1,426	677	68,292	1,841	3,981	53,996	7,979	17	478	94,272,575	10,456,328	7,339,191
41	4 Women's, children's, and infants' underwear and nightwear of cotton and flannelette woven fabrics	174	152	12,425	110	617	11,349	315	2	32	9,338,331	553,321	834,373
42	4 Women's, children's, and infants' underwear and nightwear of knitted fabrics	139	103	7,210	133	324	6,398	326	9	20	6,020,975	614,052	447,035
43	4 Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics	372	267	22,624	291	924	20,500	851	5	44	18,812,156	1,002,861	1,366,767
44	4 Women's neckwear, scarfs, etc.	107	103	2,398	75	126	1,931	200	-----	6	2,680,529	409,957	184,191

See footnotes at end of table.

# GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4</sup> 5	Value added by manu- facture <sup>6</sup>	
Manufactur- ing—Con.											
Wages	Distribution	Construc- tion	Other	Total <sup>1</sup> 2	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$30, 114, 795	\$2, 070, 464	\$250, 587	\$30, 513	\$27, 033, 202	\$19, 336, 632	\$6, 291, 746	\$1, 316, 970	\$87, 854	\$97, 317, 363	\$70, 284, 161	1
3, 002, 734	1, 157, 933	92, 570	113, 052	23, 860, 279	22, 906, 267	770, 892	181, 576	2, 044	42, 164, 716	18, 304, 437	2
1, 298, 603	47, 151	16, 460		757, 441	462, 122	248, 092	56, 213	1, 014	3, 175, 310	2, 417, 869	3
10, 002, 651	1, 755, 123	22, 024	11, 649	93, 807, 210	93, 334, 877	147, 962	282, 348	42, 023	121, 702, 151	27, 894, 941	4
27, 614, 519	3, 512, 179	500, 372	266, 162	33, 598, 333	32, 005, 000	772, 922	747, 471	72, 940	93, 276, 326	59, 077, 993	5
1, 937, 721	100, 737		7, 200	10, 337, 645	10, 019, 946	105, 470	212, 229		19, 071, 847	8, 734, 202	6
36, 397, 817	1, 659, 586	935, 117	37, 939	249, 044, 215	246, 174, 203	1, 321, 195	1, 510, 817	38, 000	372, 616, 014	123, 571, 799	7
89, 773, 503	8, 207, 386	821, 538	110, 519	349, 556, 806	340, 732, 027	4, 024, 999	4, 766, 440	33, 400	580, 928, 993	231, 872, 127	8
8, 192, 529	961, 321	153, 141	105, 459	81, 719, 385	80, 690, 839	331, 544	153, 796	543, 206	123, 687, 198	41, 967, 813	9
2, 406, 530	243, 754	9, 019		2, 269, 308	2, 158, 223	21, 746	72, 448	46, 891	7, 507, 616	5, 208, 308	10
18, 002, 210	2, 118, 540	107, 514	10, 360	27, 355, 354	25, 278, 495	1, 003, 857	570, 943	202, 059	75, 290, 333	47, 934, 979	11
49, 845, 575	3, 463, 214	291, 208	15, 885	135, 026, 339	130, 846, 734	2, 195, 197	1, 372, 923	1, 211, 455	283, 931, 435	118, 325, 096	12
1, 149, 973	131, 369	4, 000	2, 000	3, 123, 709	3, 021, 105	50, 755	47, 561	4, 288	6, 268, 610	3, 144, 901	13
5, 338, 560	349, 841	10, 079	27, 774	1, 786, 389	1, 519, 093	33, 848	148, 534	84, 914	12, 509, 807	10, 723, 418	14
3, 152, 643	813, 945	14, 796	11, 143	15, 943, 044	15, 507, 185	40, 786	100, 000	286, 673	26, 138, 877	10, 195, 233	15
12, 841, 415	1, 316, 414	6, 927	27, 044	34, 812, 878	31, 717, 425	107, 796	219, 587	2, 768, 070	60, 984, 613	26, 171, 735	16
2, 193, 255	192, 626			6, 869, 250	6, 695, 882	59, 482	45, 090	68, 796	11, 519, 990	4, 650, 740	17
30, 082, 203	3, 838, 684	20, 215	76, 363	65, 977, 333	64, 609, 579	434, 046	655, 517	218, 191	128, 723, 519	62, 746, 186	18
1, 236, 515	191, 364	23, 160	2, 632	24, 377, 653	23, 852, 334	298, 638	226, 681		30, 456, 835	6, 079, 182	19
4, 631, 710	786, 209	13, 767	1, 511	10, 674, 687	10, 453, 790	47, 092	100, 676	73, 129	23, 142, 882	12, 468, 195	20
4, 808, 267	1, 153, 584	20, 121	14, 295	13, 664, 946	13, 417, 275	97, 745	119, 545	30, 381	25, 965, 350	12, 300, 404	21
876, 651	110, 199		7, 974	4, 265, 980	4, 002, 305	101, 515	101, 657	503	7, 505, 800	3, 239, 820	22
6, 315, 843	215, 274	26, 923	1, 343	6, 982, 118	6, 013, 333	813, 611	154, 337	837	21, 978, 821	14, 996, 703	23
11, 441, 682	794, 391	57, 546	360	20, 348, 180	18, 440, 541	1, 054, 068	702, 708	144, 803	44, 239, 055	23, 890, 875	24
6, 288, 111	743, 812	119, 462	24, 063	14, 804, 368	12, 342, 484	1, 126, 819	1, 329, 440	5, 625	35, 753, 840	20, 949, 472	25
5, 333, 246	838, 561	17, 025		11, 605, 922	11, 265, 164	246, 580	154, 766	29, 382	24, 968, 843	13, 272, 921	26
2, 939, 769	352, 775	55, 197	55, 498	3, 987, 367	3, 805, 838	50, 775	68, 466	62, 288	9, 791, 605	5, 804, 238	27
13, 149, 932	379, 626	214, 728	79, 749	8, 187, 025	6, 851, 085	936, 297	270, 301	99, 342	27, 800, 677	19, 643, 662	28
2, 963, 580	537, 769	2, 000	20, 348	7, 842, 398	7, 694, 174	56, 118	77, 644	14, 462	15, 223, 769	7, 381, 371	29
3, 411, 297	486, 537	6, 947	3, 530	15, 410, 218	15, 110, 337	179, 694	97, 557	13, 630	27, 070, 810	11, 660, 592	30
2, 023, 106	975, 082	77, 122	31, 256	19, 386, 754	18, 825, 902	223, 693	289, 259	47, 900	32, 782, 080	13, 395, 326	31
29, 965, 840	1, 708, 970	176, 651	19, 747	99, 982, 019	95, 003, 661	2, 241, 650	2, 587, 142	149, 566	176, 603, 111	76, 521, 092	32
35, 538, 502	2, 942, 074	138, 119	40, 247	74, 951, 560	72, 140, 673	935, 870	1, 462, 285	412, 732	158, 816, 863	83, 805, 303	33
16, 905, 970	2, 292, 816	89, 638	17, 429	44, 505, 642	43, 158, 537	665, 295	621, 267	60, 543	94, 305, 273	49, 790, 631	34
3, 482, 765	6, 422	250	2, 362	336, 994	234, 428	8, 189	67, 970	26, 407	5, 311, 394	4, 974, 400	35
3, 909, 750	1, 250, 387		12, 194	24, 539, 845	18, 372, 629	1, 790	82, 308	6, 083, 118	36, 419, 098	11, 876, 253	36
2, 527, 648	8, 796	792	1, 326	284, 151	174, 553	11, 732	59, 673	38, 193	4, 311, 175	4, 027, 024	37
5, 386, 948	1, 126, 903	2, 906	44, 728	22, 651, 754	19, 348, 127	24, 592	110, 740	3, 168, 205	35, 759, 421	13, 107, 667	38
46, 747, 846	140, 791	2, 000	63, 432	3, 301, 064	2, 370, 758	89, 393	728, 437	112, 476	64, 935, 922	61, 634, 858	39
61, 652, 253	14, 241, 920	29, 187	553, 696	284, 628, 004	215, 708, 365	64, 024	1, 290, 640	67, 504, 975	441, 324, 635	156, 696, 631	40
7, 462, 179	457, 718	2, 473	28, 267	21, 944, 368	20, 767, 891	28, 728	140, 624	1, 007, 125	37, 184, 478	15, 240, 110	41
4, 372, 776	553, 887	15, 295	17, 930	14, 854, 626	14, 567, 667	13, 818	87, 961	185, 180	24, 608, 459	9, 753, 833	42
14, 349, 204	1, 450, 898	5, 140	37, 286	59, 021, 250	54, 608, 555	28, 311	263, 353	4, 121, 031	90, 627, 640	31, 606, 390	43
1, 678, 146	403, 021		5, 214	7, 199, 545	6, 267, 298	3, 351	38, 108	890, 558	11, 947, 604	4, 749, 059	44

## CENSUS OF MANUFACTURES: 1939

TABLE 5.—GENERAL STATISTICS IN DETAIL, BY

Group No.	INDUSTRY GROUP AND INDUSTRY	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1 2</sup>							SALARIES AND WAGES		
				Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total	Salaried officers of corporations	Manufacturing Salaries
						Salaried employees	Wage earners (average for year) <sup>3</sup>						
	INDUSTRY—continued.												
1 12	Women's pocketbooks, handbags, and purses.	286	180	15,700	320	668	14,048	651	1	12	\$14,777,416	\$1,380,023	\$1,178,102
2 6	Wooden boxes except cigar boxes.	642	356	28,009	487	1,479	25,351	544	47	101	24,457,352	1,930,097	2,265,141
3 9	Wood naval stores.	25	6	2,924	34	316	2,353	26	192	3	2,880,900	136,604	635,089
4 6	Wood preserving.	218	10	12,623	94	935	11,242	180	167	5	12,205,853	360,191	1,649,757
5 6	Wood products not elsewhere classified.	886	615	25,088	625	1,808	21,993	570	49	43	23,704,299	2,257,930	2,753,227
6 17	Woodworking machinery.	130	32	5,121	222	693	3,622	553	3	28	8,004,578	1,041,899	1,238,622
7 3	Wooden and worsted manufactures—contract factories.	76	36	6,595	85	383	6,072	39	11	5	7,477,021	543,699	781,740
8 3	Woolen and worsted manufactures—regular factories or jobbers.	583	123	149,804	847	7,921	140,022	830	124	60	159,297,747	6,682,120	16,238,905
9 20	Wool pulling.	17	11	910	23	46	836	2	3	-----	1,373,074	150,122	113,744
10 4	Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel, not elsewhere classified.	742	471	63,041	694	2,452	56,950	2,745	35	156	48,121,654	3,270,389	3,402,014
11 4	Work gloves and mittens: cloth, cloth and leather combined.	94	46	9,438	79	313	8,901	148	4	2	6,641,936	261,302	420,871
12 4	Work shirts.	87	28	14,269	64	502	13,449	155	9	90	8,474,796	247,381	623,481
13 9	Writing ink.	15	10	493	22	64	254	153	-----	-----	821,128	134,908	112,635
14 14	Wrought pipes, welded and heavy riveted—made in plants not operated in connection with rolling mills.	49	8	2,679	66	925	8,370	265	30	14	15,794,293	561,833	2,189,103
15 16	X-ray and therapeutic apparatus and electronic tubes.	84	36	3,009	104	588	1,959	354	-----	4	5,132,848	630,402	1,184,935

<sup>1</sup> No data for employees of central-administrative offices are included.

<sup>2</sup> The 1939 Census of Manufactures questionnaire, for the first time, called for personnel employed in distribution, construction, etc., separately from the manufacturing employees of the plants, and therefore the data for earlier years probably are not strictly comparable with those for 1939. It is not known how many of the wage earners and the salaried employees reported at previous censuses were engaged in distribution and construction and how many were engaged in manufacturing.

<sup>3</sup> This is an average of the numbers reported for the several months of the year. In calculating it, equal weight must be given to full-time and to part-time wage earners (not reported separately by the manufacturers), and for this reason it exceeds the number that would have been required to perform the work done in the industries if all wage earners had been continuously employed throughout the year. The quotient obtained by dividing the amount of wages by the average number of wage earners should not, therefore, be accepted as representing the average wage received by full-time wage earners. In making comparisons between the figures for 1939 and those for earlier years, the likelihood that the proportion of part-time employment varied from year to year should be taken into account. Also see footnote 2, above.

## GENERAL SUMMARY

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## INDUSTRY GROUPS AND BY INDUSTRIES: 1939—Continued

SALARIES AND WAGES—continued				COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>4,5</sup>	Value added by manufacture <sup>6</sup>	
Manufacturing—Con.											
Wages	Distribution	Construction	Other	Total <sup>4</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work			
\$11,238,826	\$965,542	\$3,655	\$11,268	\$32,877,638	\$30,972,609	\$15,358	\$162,716	\$1,726,955	\$55,806,860	\$22,926,222	1
19,159,030	957,444	45,709	109,931	45,767,092	44,623,012	138,220	865,981	126,873	87,359,766	41,596,674	2
1,866,991	42,240	204,356	1,620	6,524,299	6,163,995	212,548	117,656	-----	14,114,193	7,550,804	3
9,764,268	351,603	71,760	8,308	77,477,264	75,131,304	1,672,367	419,932	253,661	106,295,341	28,818,077	4
17,680,122	926,564	49,060	37,396	30,291,098	28,894,948	335,831	842,156	218,163	69,185,697	38,894,569	5
4,656,946	1,032,828	2,505	31,778	8,261,723	7,768,782	131,314	180,722	210,905	21,604,100	13,312,353	6
6,061,441	66,299	15,502	8,340	2,007,124	1,348,757	419,049	329,318	(?)	13,150,533	11,059,409	7
133,487,752	2,610,924	210,112	67,835	422,349,478	405,546,996	8,359,196	4,105,542	4,337,744	685,311,713	262,962,235	8
1,100,973	3,835	4,400	-----	9,615,022	9,508,924	59,045	35,381	11,672	13,122,104	3,507,082	9
36,796,518	4,371,347	35,939	155,447	112,543,601	108,132,732	330,638	690,990	3,383,241	184,222,950	71,679,355	10
5,663,036	281,351	4,148	2,228	11,927,832	11,756,977	35,809	117,293	17,753	22,457,470	10,529,638	11
7,269,148	237,678	12,313	84,795	21,419,256	20,635,625	49,957	156,251	577,423	35,672,002	14,252,746	12
247,116	315,609	-----	10,775	1,202,047	1,185,378	10,018	6,651	-----	2,951,259	1,749,212	13
12,306,077	645,250	54,102	37,928	41,856,222	39,705,426	1,025,932	743,671	351,193	75,864,616	34,008,394	14
2,744,251	565,685	-----	7,575	5,754,928	5,565,585	38,345	91,326	59,672	17,945,038	12,190,110	15

<sup>4</sup> Profits and losses cannot be calculated from the census figures because no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, and advertising.

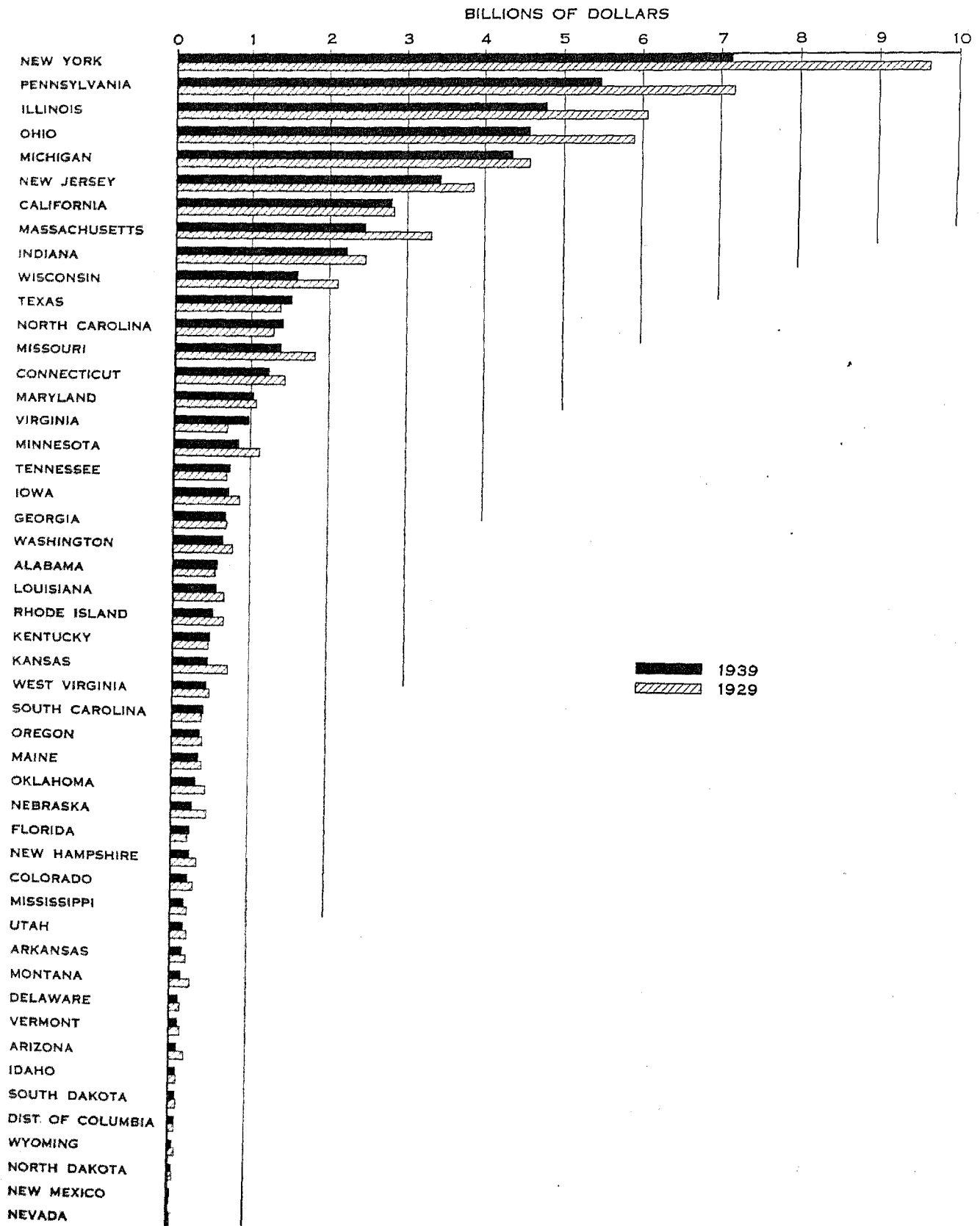
<sup>5</sup> The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some industries as material by others. This duplication occurs, as a rule, between different industries, and is not found to any great extent in individual industries; a most outstanding exception, however, is found in the "Motor vehicles, motor-vehicles bodies, parts and accessories" industry, in which there is a large amount of duplication.

<sup>6</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work.

<sup>7</sup> The columns for "Materials and supplies" and for "Contract work" for the individual industries do not add to the totals for "All industries" because for certain industries, indicated by footnote 7 in the table, the figure for "Contract work" was added to that for "Materials and supplies" to avoid disclosing data for individual establishments. Such addition for all the industries amounted to only \$1,090,733.

## CENSUS OF MANUFACTURES: 1939

VALUE OF MANUFACTURED PRODUCTS, BY STATES: 1939 AND 1929

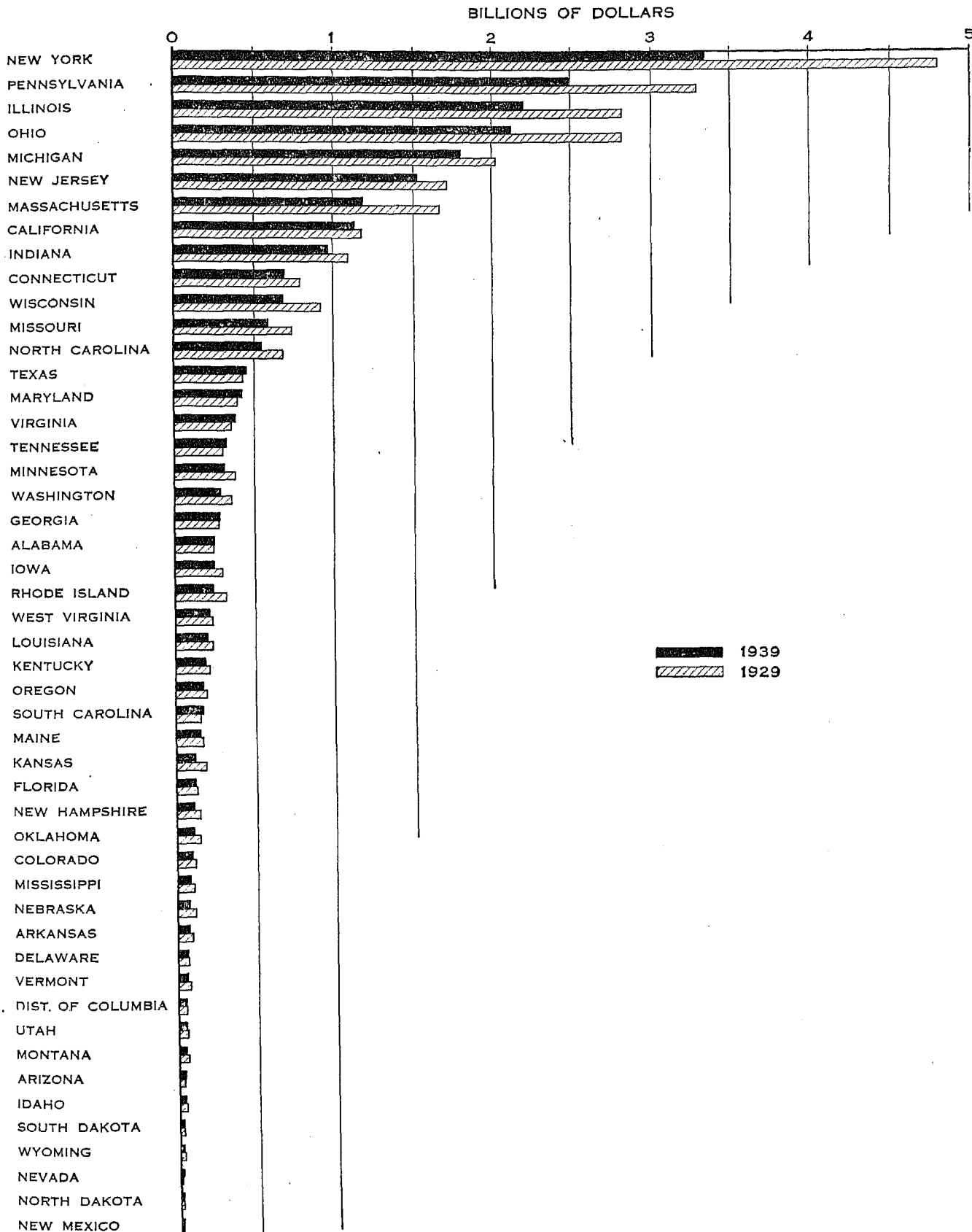




# GENERAL SUMMARY

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VALUE ADDED BY MANUFACTURE, BY STATES: 1939 AND 1929



## CENSUS OF MANUFACTURES: 1939

TABLE 6.—GENERAL STATISTICS IN DETAIL, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1939

DIVISION AND STATE	Number of establishments	Proprietors and firm members	NUMBER OF PERSONS EMPLOYED IN MANUFACTURING ESTABLISHMENTS <sup>1,2</sup>							SALARIES AND WAGES			
			Total	Salaried officers of corporations	Manufacturing		Distribution	Construction	Other	Total <sup>4</sup>	Salaried officers of corporations	Manufacturing	
					Salaried employees	Wage earners (average for year) <sup>3</sup>						Salaries	Wages
<b>United States</b>	<b>184,230</b>	<b>123,655</b>	<b>9,622,923</b>	<b>139,350</b>	<b>909,257</b>	<b>7,886,567</b>	<b>583,364</b>	<b>70,887</b>	<b>33,498</b>	<b>\$12,836,584,293</b>	<b>\$756,910,428</b>	<b>\$1,783,446,942</b>	<b>\$9,089,940,916</b>
<b>GEOGRAPHIC DIVISIONS:</b>													
New England	16,136	8,820	1,128,446	14,491	105,837	953,670	45,367	6,137	2,944	1,410,745,215	86,807,077	197,531,668	1,025,006,360
Middle Atlantic	56,291	38,315	2,776,954	49,438	270,815	2,249,621	175,112	22,246	9,722	3,889,474,914	266,932,355	545,936,315	2,688,703,222
East North Central	40,415	23,978	2,711,348	34,871	285,080	2,165,479	172,456	15,417	8,039	4,117,047,272	212,573,540	591,019,100	2,950,313,390
West North Central	14,947	10,654	498,548	9,314	50,571	382,201	51,613	2,276	2,573	653,211,916	45,881,968	88,406,121	427,457,469
South Atlantic	17,317	11,444	1,121,132	11,545	69,858	986,521	42,239	8,078	2,591	1,085,048,658	55,127,822	125,687,987	926,413,040
East South Central	7,275	5,015	413,138	4,406	28,319	357,827	18,509	2,593	1,484	392,887,460	20,647,694	49,509,583	291,019,181
West South Central	10,021	7,134	335,245	5,055	31,503	262,580	27,593	6,655	1,859	367,605,931	22,130,724	56,864,820	238,264,662
Mountain	4,011	2,978	92,273	1,724	10,479	69,245	8,598	1,071	1,156	122,782,593	6,528,456	19,199,328	81,737,373
Pacific	17,817	15,317	545,839	8,506	56,789	429,423	41,877	6,414	2,830	797,180,334	40,280,892	109,393,560	561,026,219
<b>NEW ENGLAND:</b>													
Maine	1,210	690	83,978	762	5,577	75,656	1,494	409	80	84,834,726	3,634,289	9,957,926	68,434,288
New Hampshire	806	446	61,607	573	4,020	55,781	1,060	123	50	65,578,827	3,348,805	7,135,088	52,735,240
Vermont	717	554	25,566	372	2,387	21,759	833	161	54	29,199,244	1,842,867	4,197,046	21,232,355
Massachusetts	9,007	4,957	552,310	8,040	53,808	460,674	25,620	2,586	1,582	706,360,010	47,549,070	101,052,431	500,923,284
Rhode Island	1,460	807	122,886	1,396	10,606	106,275	3,394	658	557	141,519,439	8,785,963	19,444,213	105,406,950
Connecticut	2,936	1,366	282,099	3,348	29,439	233,525	12,966	2,260	621	383,253,469	21,645,993	56,044,064	276,274,243
<b>MIDDLE ATLANTIC:</b>													
New York	34,506	23,975	1,221,843	31,168	120,224	957,854	100,089	7,731	4,777	1,767,851,679	157,961,094	238,732,268	1,163,785,198
New Jersey	7,984	4,450	533,475	7,266	55,618	433,471	28,544	6,609	1,967	757,546,068	44,084,730	118,869,388	521,598,632
Pennsylvania	13,801	9,890	1,021,636	11,004	94,973	858,299	46,479	7,906	2,978	1,364,077,167	64,886,531	188,334,659	1,003,349,302
<b>EAST NORTH CENTRAL:</b>													
Ohio	10,070	5,431	735,277	9,189	78,503	598,397	43,964	3,410	1,814	1,125,369,470	58,008,523	162,741,706	812,676,444
Indiana	4,337	2,450	340,563	3,854	37,086	277,467	18,370	2,420	1,357	478,004,657	21,683,838	72,670,046	345,475,193
Illinois	12,980	7,814	759,710	11,881	80,446	596,476	63,573	5,311	2,023	1,110,244,128	73,240,521	164,974,275	750,239,085
Michigan	6,311	3,923	621,173	5,439	60,765	522,242	28,196	2,537	1,994	1,027,488,238	35,612,027	137,960,382	789,976,676
Wisconsin	6,717	4,360	254,625	4,598	28,286	200,897	18,344	1,739	851	367,540,784	24,028,631	52,063,751	251,946,993
<b>WEST NORTH CENTRAL:</b>													
Minnesota	4,008	3,162	104,445	2,171	10,160	79,753	11,295	464	602	145,526,234	10,582,318	17,972,788	96,886,925
Iowa	2,670	2,036	88,789	1,388	10,113	65,314	10,900	398	676	114,990,186	6,580,677	10,951,409	73,466,119
Missouri	4,796	2,773	223,467	4,187	20,088	178,538	19,237	741	676	285,490,280	22,226,593	36,710,544	190,735,851
North Dakota	350	257	4,125	129	678	2,637	565	30	95	5,030,300	416,133	1,016,591	2,771,468
South Dakota	468	339	7,485	167	1,097	5,538	610	15	58	9,235,601	603,405	1,742,241	6,035,524
Nebraska	1,161	963	26,739	581	3,061	18,807	3,931	173	186	34,898,205	2,474,805	5,024,006	20,623,550
Kansas	1,494	1,164	43,498	700	5,374	31,614	5,075	455	280	57,740,840	2,998,037	8,986,552	36,938,032
<b>SOUTH ATLANTIC:</b>													
Delaware	429	270	24,628	305	2,051	20,392	1,033	222	25	30,210,159	1,948,761	4,144,258	21,959,627
Maryland	2,893	2,271	166,931	1,926	13,600	141,643	8,191	1,161	410	210,327,330	10,825,533	25,952,412	156,782,654
District of Columbia	497	285	14,753	338	3,234	7,877	3,163	28	113	25,453,827	1,775,704	6,772,165	11,772,280
Virginia	2,579	1,674	152,255	1,612	10,325	133,594	5,339	685	400	152,591,579	7,646,749	10,696,538	115,538,622
West Virginia	1,130	560	88,423	715	7,343	74,989	2,158	3,007	211	114,601,536	3,438,319	15,161,181	88,487,433
North Carolina	3,225	2,022	294,314	2,557	12,910	270,267	7,122	936	582	246,834,206	12,481,235	21,788,699	199,289,600
South Carolina	1,331	776	136,713	957	5,239	126,983	2,614	687	233	103,572,611	8,300,571	8,901,948	86,610,242
Georgia	3,150	2,221	179,161	1,947	10,414	157,804	7,627	811	558	144,546,175	8,142,881	15,962,137	108,083,478
Florida	2,083	1,335	64,554	1,188	4,742	52,732	4,992	541	359	56,911,235	4,568,069	7,208,049	37,883,204
<b>EAST SOUTH CENTRAL:</b>													
Kentucky	1,640	1,035	76,887	1,333	6,591	62,704	5,335	487	347	89,452,058	6,432,315	11,585,354	61,902,354
Tennessee	2,289	1,462	153,160	1,645	10,801	131,874	7,128	1,297	421	150,670,561	8,388,027	19,435,704	109,661,769
Alabama	2,052	1,542	130,492	860	7,840	116,800	3,888	543	561	115,854,134	3,745,346	13,923,873	92,017,970
Mississippi	1,294	976	52,593	598	3,087	46,350	2,158	266	155	36,910,707	2,081,906	4,564,652	27,437,088
<b>WEST SOUTH CENTRAL:</b>													
Arkansas	1,178	930	41,857	474	2,706	36,256	2,013	308	100	33,865,222	2,041,708	4,168,537	24,577,234
Louisiana	1,861	1,062	88,723	1,177	7,259	71,218	5,589	2,833	647	86,260,028	5,411,798	12,031,441	55,083,540
Oklahoma	1,606	1,122	38,227	752	4,662	28,114	4,260	260	179	47,970,106	3,243,023	7,830,476	30,465,185
Texas	5,376	3,990	166,438	2,652	16,876	126,992	15,731	3,254	633	199,510,575	11,434,195	32,228,866	128,138,703
<b>MOUNTAIN:</b>													
Montana	585	469	12,440	212	1,515	9,171	946	183	413	17,951,505	776,654	2,907,159	12,143,428
Idaho	549	426	12,936	190	1,165	10,877	501	118	25	16,314,412	605,842	2,000,670	12,754,127
Wyoming	310	229	4,591	113	679	3,484	273	29	13	6,847,867	396,136	1,284,335	4,757,094
Colorado	1,268	921	32,690	633	3,544	23,719	4,107	496	191	44,508,456	2,545,259	6,566,072	28,391,933
New Mexico	272	266	4,147	86	436	3,250	340	22	13	4,236,690	295,059	632,329	2,912,993
Arizona	332	248	8,255	133	977	6,096	883	60	106	11,317,207	652,757	1,959,272	7,162,630
Utah	560	341	15,656	326	1,960	11,555	1,314	148	353	19,122,011	1,156,733	3,434,612	11,967,792
Nevada	105	78	1,558	31	203	1,093	174	15	42	2,484,445	100,010	408,879	1,642,397
<b>PACIFIC:</b>													
Washington	3,240	2,263	108,834	1,886	8,926	90,324	5,546	1,580	572	155,878,058	7,707,262	17,378,469	118,326,333
Oregon	2,248	1,870	74,396	1,165	5,091	63,622	3,176	1,013	329	98,065,059	4,610,194	9,224,951	77,585,546
California	12,329	11,184	362,609	5,455	42,772	275,477	33,155	3,821	1,929	543,237,217	28,063,436	82,790,140	365,114,340

<sup>1</sup> No data for employees of central-administrative offices are included.

<sup>2</sup> The 1939 Census of Manufactures questionnaire, for the first time, called for personnel employed in distribution, construction, etc., separately from the manufacturing employees of the plants, and therefore the data for earlier years probably are not strictly comparable with those for 1939. It is not known how many of the wage earners and the salaried employees reported at previous censuses were engaged in distribution and construction and how many were engaged in manufacturing.

<sup>3</sup> This is an average of the numbers reported for the several months of the year. In calculating it, equal weight must be given to full-time and to part-time wage earners (not reported separately by the manufacturers), and for this reason it exceeds the number that would have been required to perform the work done in the industries if all wage earners had been continuously employed throughout the year. The quotient obtained by dividing the amount of wages by the average number of wage earners

# GENERAL SUMMARY

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TABLE 6.—GENERAL STATISTICS IN DETAIL, BY GEOGRAPHIC DIVISIONS AND BY STATES: 1939—Continued

DIVISION AND STATE	SALARIES AND WAGES—continued			COST OF MATERIALS, SUPPLIES, FUEL, PURCHASED ELECTRIC ENERGY, AND CONTRACT WORK					Value of products <sup>1</sup>	Value added by manu- facture <sup>2</sup>
	Distribution	Construc- tion	Other	Total <sup>3</sup>	Materials and supplies	Fuel	Purchased electric energy	Contract work		
United States.....	\$1,052,755,302	\$107,557,384	\$45,973,321	\$32,160,106,681	\$30,254,960,667	\$850,463,848	\$465,426,583	\$589,255,583	\$56,843,024,800	\$24,682,918,119
GEOGRAPHIC DIVISIONS:										
New England.....	87,850,665	9,450,755	4,098,690	2,463,19,806	2,318,444,706	59,434,349	45,674,789	39,765,002	4,891,666,268	2,428,346,462
Middle Atlantic.....	335,383,692	38,129,708	14,389,622	8,684,135,574	7,969,293,883	262,449,537	128,849,769	333,542,385	10,039,272,817	7,355,137,243
East North Central.....	328,101,558	23,743,740	11,895,884	9,777,614,409	9,219,617,739	304,361,219	127,033,605	126,601,846	17,550,905,003	7,782,290,594
West North Central.....	84,851,912	3,326,763	3,288,683	2,462,694,136	2,376,644,676	36,715,393	25,619,387	13,714,680	3,815,176,638	1,362,482,502
South Atlantic.....	65,386,983	9,434,912	3,098,514	3,166,673,197	3,001,948,677	73,578,330	54,936,064	26,209,620	5,390,420,291	2,233,747,004
East South Central.....	27,250,009	2,988,269	1,472,824	1,130,137,222	1,050,506,036	37,458,217	25,756,584	7,320,385	1,958,725,580	828,588,358
West South Central.....	39,020,428	9,216,401	2,108,896	1,744,121,604	1,684,108,807	33,707,038	19,951,425	6,354,334	2,567,821,432	823,600,828
Mountain.....	12,306,933	1,514,622	1,405,881	545,186,559	514,547,651	18,389,414	8,097,129	4,152,365	819,833,003	274,640,444
Pacific.....	72,513,122	9,752,214	4,214,327	2,206,224,174	2,110,758,432	34,369,845	29,507,831	31,588,066	3,800,203,768	1,503,970,594
NEW ENGLAND:										
Maine.....	2,284,313	444,537	79,373	192,945,181	180,899,745	7,026,871	4,232,721	785,844	345,368,595	152,423,414
New Hampshire.....	2,124,835	177,537	56,732	132,208,206	125,242,060	3,785,852	2,221,240	958,154	237,306,015	105,187,809
Vermont.....	1,618,805	242,125	65,146	51,213,722	47,713,937	1,483,073	1,467,036	549,026	103,154,301	51,940,570
Massachusetts.....	50,550,266	4,095,866	2,189,093	1,271,451,635	1,197,485,010	27,825,411	22,163,446	23,977,762	2,450,771,043	1,188,319,408
Rhode Island.....	6,468,511	994,009	719,793	273,101,981	265,051,008	5,450,338	5,371,456	2,220,179	516,390,541	238,288,560
Connecticut.....	24,803,935	3,496,681	988,553	537,399,081	502,052,100	13,553,804	10,218,840	11,274,337	1,220,585,773	692,186,692
MIDDLE ATLANTIC:										
New York.....	187,845,078	12,559,158	6,965,883	3,792,505,338	3,387,605,686	68,688,521	57,615,394	278,595,787	7,134,400,147	3,341,894,759
New Jersey.....	56,957,269	12,987,755	3,078,294	1,904,833,634	1,824,370,746	41,544,623	22,206,622	16,711,643	3,428,917,188	1,524,113,554
Pennsylvania.....	90,581,345	12,582,795	4,342,445	2,986,796,552	2,757,317,451	142,216,393	40,027,753	38,234,955	5,475,925,482	2,480,128,930
EAST NORTH CENTRAL:										
Ohio.....	84,109,511	5,416,991	2,416,292	2,459,191,656	2,295,273,491	107,662,584	38,068,138	18,187,443	4,584,665,659	2,125,474,003
Indiana.....	32,343,949	3,433,018	2,398,613	1,257,436,214	1,177,875,971	58,189,015	17,237,471	4,133,757	2,227,648,011	670,211,797
Illinois.....	119,820,054	8,381,740	2,588,448	2,593,265,567	2,457,925,132	63,431,740	31,001,661	40,907,034	4,794,860,733	2,201,695,166
Michigan.....	56,760,910	3,933,542	3,236,702	2,540,818,942	2,408,803,162	54,152,489	29,185,851	57,677,440	4,348,223,244	1,798,404,802
Wisconsin.....	35,067,131	2,578,440	1,255,829	917,902,080	879,739,983	20,925,391	11,540,484	5,696,172	1,604,507,356	686,605,326
WEST NORTH CENTRAL:										
Minnesota.....	18,833,613	596,079	953,611	535,143,118	516,045,238	10,525,802	5,637,310	2,934,768	845,771,514	310,628,396
Iowa.....	10,640,159	547,146	804,676	473,736,522	459,732,472	6,824,085	5,034,552	2,145,413	718,531,801	244,795,279
Missouri.....	33,898,757	1,114,721	803,814	800,094,538	773,471,316	10,448,630	9,276,964	6,897,628	1,388,056,267	587,961,729
North Dakota.....	693,632	21,414	111,152	32,664,884	31,977,692	388,777	273,514	24,901	43,767,082	11,102,193
South Dakota.....	771,665	20,272	62,684	61,216,830	60,018,491	620,099	466,600	111,550	81,171,887	19,955,057
Nebraska.....	6,134,832	397,670	242,442	204,487,208	199,806,258	2,240,541	1,804,077	586,332	273,524,581	69,087,373
Kansas.....	7,879,254	628,561	310,404	345,401,036	335,593,209	5,667,459	3,126,280	1,014,088	464,353,506	118,952,470
SOUTH ATLANTIC:										
Delaware.....	1,871,993	231,972	53,548	59,570,473	55,485,729	2,590,467	1,146,534	347,743	114,753,652	55,183,179
Maryland.....	14,722,252	1,551,953	492,521	604,604,715	566,274,244	20,497,152	8,035,793	9,697,526	1,027,354,074	422,849,359
District of Columbia.....	4,897,967	49,041	186,670	35,558,454	29,008,076	542,387	542,515	5,465,470	79,875,299	44,316,845
Virginia.....	8,434,908	853,670	421,092	600,325,191	590,635,498	11,074,573	6,101,313	1,513,807	988,813,246	379,488,055
West Virginia.....	3,374,444	3,814,695	325,464	227,061,641	204,263,177	17,074,476	4,698,234	1,025,754	441,840,388	214,778,747
North Carolina.....	11,432,445	1,194,862	647,465	875,377,289	848,938,004	7,766,078	14,332,453	4,340,754	1,421,329,578	545,952,289
South Carolina.....	2,963,301	560,870	229,679	227,666,244	212,960,067	5,704,252	8,197,338	804,587	307,512,863	169,846,619
Georgia.....	11,215,598	711,460	400,621	394,086,519	377,010,078	5,486,777	9,581,510	2,008,154	677,402,657	283,316,138
Florida.....	6,474,075	436,384	341,454	123,522,671	117,373,804	2,842,674	2,300,374	1,005,819	241,538,534	118,015,883
EAST SOUTH CENTRAL:										
Kentucky.....	8,552,510	631,614	347,911	293,629,345	282,249,949	6,843,554	3,226,734	1,309,108	481,029,771	187,400,428
Tennessee.....	11,295,049	1,370,035	510,977	407,745,923	384,872,737	8,114,866	11,018,770	3,739,914	728,087,825	320,341,902
Alabama.....	5,029,470	696,063	441,412	327,287,079	295,904,175	20,454,685	9,542,071	1,386,148	574,670,600	247,383,011
Mississippi.....	2,372,980	281,557	172,624	101,474,875	96,569,539	2,045,112	1,969,009	891,215	174,937,204	73,462,419
WEST SOUTH CENTRAL:										
Arkansas.....	2,558,928	394,463	124,352	92,778,835	87,309,534	2,016,579	2,076,066	1,374,066	160,166,984	87,390,149
Louisiana.....	7,987,476	4,294,221	851,552	365,170,436	349,670,615	9,526,459	4,763,615	1,228,747	565,265,273	200,085,887
Oklahoma.....	5,948,427	291,006	185,089	209,050,080	201,082,131	4,859,541	2,496,604	611,804	312,168,499	103,118,419
Texas.....	22,525,597	4,236,711	947,003	1,077,115,253	1,046,046,467	17,304,460	10,624,540	3,139,777	1,530,220,676	453,105,423
MOUNTAIN:										
Montana.....	1,403,294	270,868	445,102	112,094,844	106,904,378	2,411,058	2,396,926	382,482	151,885,026	39,790,182
Idaho.....	698,048	158,330	91,395	58,704,943	55,246,793	1,329,052	950,729	1,178,369	90,475,147	31,770,204
Wyoming.....	336,117	37,747	36,438	29,793,628	27,936,277	1,292,043	480,833	84,475	45,423,103	15,629,475
Colorado.....	6,088,374	619,420	297,398	139,389,505	121,497,123	6,721,673	1,534,341	633,368	221,642,666	91,250,161
New Mexico.....	357,284	28,062	10,863	16,411,877	15,178,253	596,613	234,023	402,988	25,123,641	8,711,764
Arizona.....	1,208,003	112,662	161,874	65,483,191	61,057,357	2,250,473	1,147,261	433,100	97,529,481	32,041,290
Utah.....	1,068,994	265,849	328,361	123,452,364	119,063,018	3,038,852	1,140,373	210,121	167,172,226	43,719,862
Nevada.....	276,719	21,984	34,450	8,854,207	7,064,452	749,650	212,643	827,462	20,581,713	11,727,506
PACIFIC:										
Washington.....	9,346,392	2,216,891	902,711	350,002,546	329,882,548	7,926,348	6,306,052	5,797,598	636,649,809	286,647,263
Oregon.....	5,139,646	1,214,788	389,934	193,199,692	176,416,716	3,325,758	3,573,413	9,883,805	365,374,436	172,174,744
California.....	68,027,084	6,320,535	2,921,682	1,663,021,936	1,604,459,168	23,117,739	19,538,366	15,908,663	2,798,179,523	1,135,157,557

should not, therefore, be accepted as representing the average wage received by full-time wage earners. In making comparisons between the figures for 1939 and those for earlier years, the likelihood that the proportion of part-time employment varied from year to year should be taken into account. Also see footnote 2, above.

<sup>1</sup> Profits and losses cannot be calculated from the census figures because no data are collected for certain expense items, such as interest, rent, depreciation, taxes, insurance, and advertising.

<sup>2</sup> The aggregates for cost of materials and value of products include large but indeterminable amounts of duplication due to the use of the products of some industries as material by others. This duplication occurs, as a rule, between different industries, and is not found to any great extent in individual industries.

<sup>3</sup> Value of products less cost of materials, supplies, fuel, purchased electric energy, and contract work.