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Census of Manufactures

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1949 PUERTO RICO CENSUS OF MANUFACTURES

ACKNOWLEDGEMENTS

The 1949 Puerto Rico Census of Manufactures was undertaken with funds provided by the Government of Puerto Rico and was conducted by the Bureau of the Census in close cooperation with that Government. Primary responsibility for the census was centered in the Industry Division of the Bureau of the Census. The Field Division of the Bureau also had important functions during particular phases of the Census. Furthermore, several officials of the Government of Puerto Rico played major roles in the planning and carrying out of its operations.

Among the many officials of Puerto Rico actively involved in this census, special mention must be made of the following: Juan Labadie-Eurite, Chief, Division of Statistics, Office of the Governor, Bureau of the Budget, who supervised all arrangements in connection with this census for the Government of Puerto Rico and acted in a liaison capacity in obtaining needed information from other Puerto Rican government agencies and some of the larger companies on the Island; Felix Mejias who, in his capacity as Census Bureau agent in Puerto Rico, assisted in the preliminary planning work in Washington and recruited the special staff required for processing the manufacturer's reports in the San Juan Field Office; Wilfredo de Santiago who supervised the field office staff in the mailing, follow-up and check-in of manufacturers' reports, as well as the editing and coding operations performed in the field office.

In addition to the Industry Division staff members mentioned previously, special recognition should be given to the contribution of Julius Shiskin, formerly Chief of the Industrial Census staff, who was responsible for much of the preliminary planning work, and Arthur W. Horowitz who, as a member of the Economic Planning and Analysis Section staff, assisted in the preparation of the census report forms, instructions, editing and coding procedures, development of table plans, disclosure analysis procedures, final table review, and was responsible for the recoding and retabulation of the 1939 Census data.

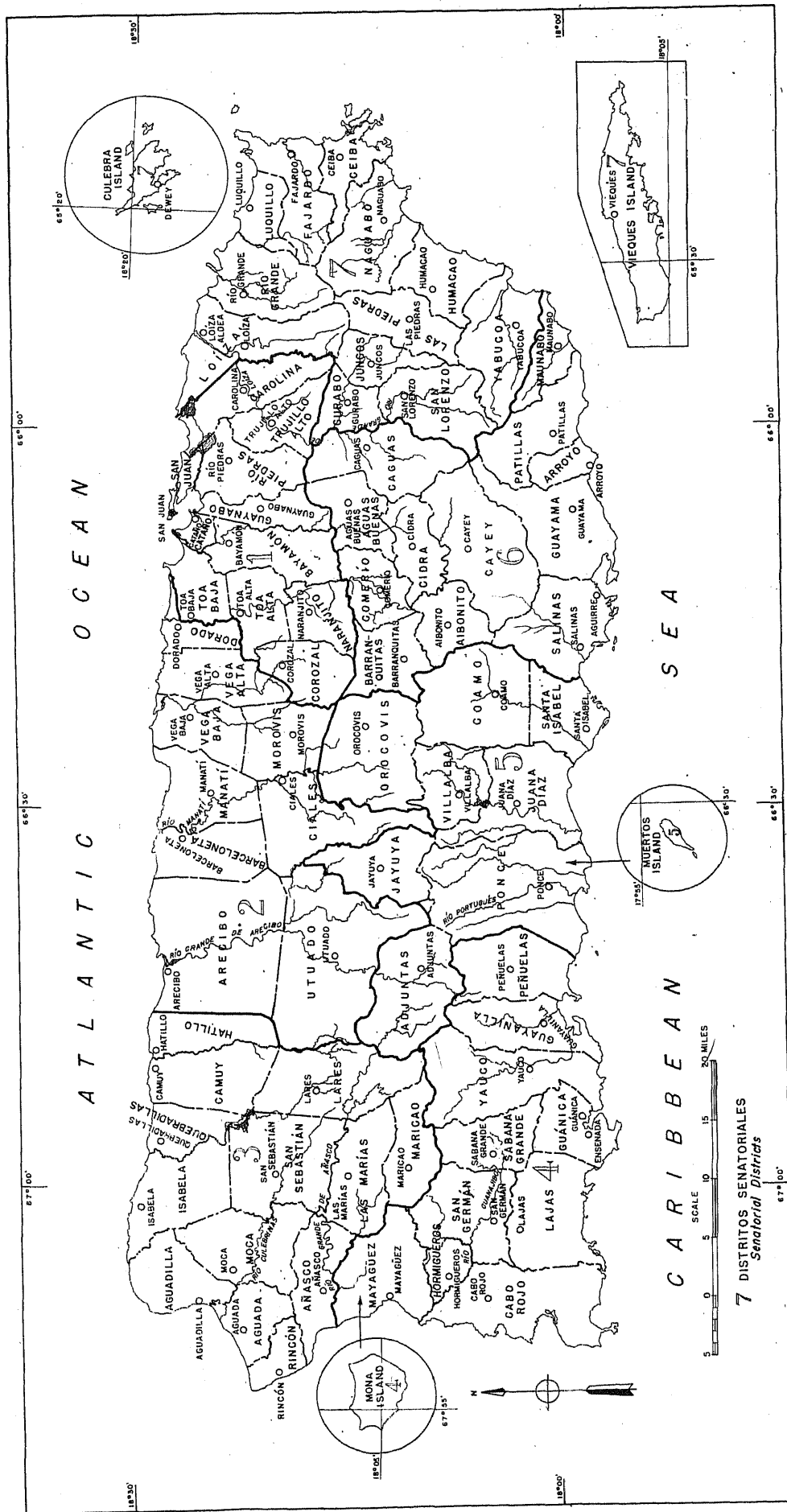
In the Field Division of the Bureau, Arthur L. Cook supervised all field activities, including the establishment of field offices and development of procedures for the check-in and follow-up of census reports. In the Office of the Coordinator of International Statistics, Iris C. Chapel translated the general explanations text into Spanish.

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PUERTO RICO

DISTROS SENATORIALES, MUNICIPALIDADES, CIUDADES Y PUEBLOS--SENATORIAL DISTRICTS, MUNICIPALITIES, CITIES, AND TOWNS



1949 PUERTO RICO CENSUS OF MANUFACTURES

GENERAL EXPLANATIONS

I. Background

The 1949 Puerto Rican Census of Manufactures is the first to be taken since 1939 and marks the completion of the fourth canvass of manufacturing activities in Puerto Rico since the Island came under the jurisdiction of the United States. The first Census of Manufactures covered the year 1909 and a census was taken at 10-year intervals thereafter, except for the year 1929. The 1949 Census was authorized by an Act of the United States Congress (approved June 19, 1948, 62 Stat. 478; 13 U.S.C. 121-213) and a law passed by the legislature of Puerto Rico (No. 11, March 27, 1950). (See Appendix A.)

II. Area and Period Covered

The Census covered manufacturing activity during the calendar year 1949 in the seventy-seven municipalities into which Puerto Rico is divided. Reports were obtained on a calendar-year basis from the great majority of companies in all manufacturing industries. In the relatively small number of cases where the individual manufacturer was granted permission to submit a fiscal-year report, he was still required to report employment and pay roll data on a calendar-year basis. In view of the fact that the year 1949 and the months immediately preceding and following that year constituted a period of sustained high activity in most industries, the comparability of production with employment, or value added by manufacture (i.e., the amount by which the value of products sold exceeds the cost of materials and supplies) with wages, is not appreciably affected by the fact that in some instances the value of products sold was reported for a 12-month period different from the calendar year.

III. The Census Mailing List and Completeness of Coverage

The mailing list of manufacturing establishments was obtained by combining a list of 1,529 manufacturing establishments covered by the Puerto Rican Workmen's Compensation law with a list of 599 small cigar manufacturers listed by the Puerto Rican Department of Agriculture and Commerce. Also, to locate any additional manufacturing establishments and to verify these lists, the enumerators collecting statistics for the 1949 Census of Business were instructed to record the name, address, and activity of every commercial or industrial establishment located within their enumeration district but not included within the scope of the Census of Business. In this way, approximately 200 establishments were added to the mailing list. Some establishments on the original lists, however, were deleted because their activities did not come within the scope of manufacturing as defined under the U.S. Standard Industrial Classification System. (See Volume I, "Manufacturing Industries," of the Standard Industrial Classification Manual, issued by the Executive Office of the President, U. S. Bureau of the Budget, November 1945.) Some establishments on these different lists turned out to be duplicates. Others went out of business prior to 1949; still others first began operations in 1950. Approximately 300 establishments were eliminated from the lists for these reasons with the result that the final count of manufacturing establishments covered in the census was 1,998. If an establishment had changed ownership during the year, a place was provided on the Census form to report the name and address of the previous and subsequent owner, in order that data on the establishment's activity for the entire year might be obtained. As a result of the above procedures, it is believed that no large manufacturing establishment and no significant aggregate of small establishments were omitted.

IV. The Canvass and Compilation of the Statistics

The 1949 Census report forms were distributed and, for the most part, returned by mail. The forms were mailed during the early part of April 1950, by the U. S. Bureau of the Census Field Office set up in San Juan. Reports were due at the beginning of May. By July, 90 percent of them had been received, but some reports were not obtained until November. Manufacturers who did not submit a report on time, or whose reports were incomplete or otherwise inadequate, were contacted by mail, telephone, or personal visit from a representative of the Field Office. For a number of plants, especially in the needlework industries, reports had to be obtained by contacting the parent companies in continental United States. In a very few instances, where the establishment ceased operations during or after 1949 and the owner could not be located, or where a report was unobtainable for other reasons, partly estimated data were used. In these cases, employment and wage figures were obtained from the Puerto Rican Compensation Board and other items on the report form were estimated on the basis of industry averages. Such estimates represented not more than one percent of the establishments and only a fraction of one percent of the value added by manufacture.

The mailing, collection, follow-up, editing, and coding of the reports were supervised by employees of the Government of Puerto Rico who were given leave from their positions to become special agents of the U. S. Bureau of the Census in the San Juan Field Office. The tabulation of the reports and preparation of the tables and text in this publication were the work of the Industry Division, U. S. Bureau of the Census, in Washington.

V. Definition of Establishment

To the extent possible, the Census of Manufactures was conducted on an establishment basis. As a rule, the term "establishment" signifies a single plant or factory and is not necessarily identical with the business unit or company which may operate one or more establishments. A company operating establishments at more than one location was required to submit a report for each location; also, companies engaged in distinctly different lines of activity at one location were required to submit separate reports if separate pay roll and inventory records were kept for each activity. In a very few cases where a company operated two or more plants in different municipalities and did not keep completely separate records, employment and pay roll data were obtained for each establishment and used to allocate the other data from a combined report for the plants.

Where an establishment changed ownership during the year 1949, it was counted as a single establishment provided operations continued in the same line of activity at the same location. However, if the reports from the successive owners were received at different times, it was not always feasible to tabulate them as one report.

VI. Types of Establishments Covered in the Census

The 1949 Census of Manufactures covers all establishments primarily engaged in manufacturing as defined in the Standard Industrial Classification Manual, Volume I, "Manufacturing Industries," prepared by the U. S. Bureau of the Budget, dated November 1945.

The Standard Industrial Classification Manual describes manufacturing establishments as those engaged in the mechanical or chemical transformation of inorganic or organic substances into new products. These activities are usually carried on in plants, factories, or mills.

Manufacturing production is usually carried on for the wholesale market, for interplant transfer, or to order of industrial users, rather than for direct sale to the household consumer. Some manufacturers in a few industries, however, sell chiefly at retail to domestic consumers.

There are indicated below the more important instances in which both Census and standard classifications differ from common usage, as well as those few instances in which Census industry definitions differ from the Standard Industrial Classification.

(a) The following types of activities are defined as nonmanufacturing by Standard Industrial Classification and are also excluded from the Census of Manufactures:

Processing on farms if the raw materials are grown on the farm and if the manufacturing activities are on a small scale without extensive use of paid labor. Also custom milling and similar activities.

NOTE: An important adaptation of this exclusion for Puerto Rico is in the tobacco stemming and redrying industry, where it is a practice of the larger companies to allow the individual growers to process their own tobacco in the companies' warehouses. During the processing of a particular grower's crop, the wages of the warehouse laborers involved are paid by the grower and the product remains the property of the grower. Such products and employment are excluded from the Census of Manufactures.

Jobbing by establishments which do no manufacturing but assign materials to contractors to be fabricated by them; the Census of Manufactures does, however, include some apparel jobbing.

Manufacturing activities of certain establishments which sell most of their products at retail on the premises; for example, single-shop retail bakeries.

Fabricating operations performed at the site of construction by contractors.

Production by public utilities of electric light and power or of manufactured gas.

Custom work to the individual order of household consumers, such as custom tailoring or woodworking.

Repair and other service activities except specified services performed "for the trade." Machine shops engaged exclusively or almost exclusively in repair work and railroad repair shops are also excluded.

Engineering, design, and experimental work, or when carried on at establishments primarily engaged in manufacturing activities.

Educational, eleemosynary, and penal institutions engaged in some manufacturing.

(b) The following types of activities, though not universally considered to be manufacturing, are so classified by the Standard Industrial Classification and are included in the Census of Manufactures:

Printing	Wood preserving
Publishing	Galvanizing
Custom slaughtering	Job stamping, casting,
Apparel contracting	machining
Electroplating, plating	Lapidary work
and metal polishing	

VII. Comparison of Census Establishment Data with Other Figures

Despite the application of fairly uniform definitions of manufacturing activity, the 1949 Census figures may differ in some cases from those published by other Governmental agencies (i.e., the U. S. Department of Labor, the Puerto Rican Department of Labor) for the same year. These differences reflect in large part the greater emphasis in the Census on securing separate reports for each establishment of companies with more than one plant, thus permitting more accurate geographic breakdowns and the exclusion from the Census of nonmanufacturing activities of such companies at locations other than the manufacturing plant. The exclusion of such nonmanufacturing activities from the Census is facilitated by the fact that all large manufacturers were required to submit for each establishment detailed information on input of materials and production of commodities.

VIII. Change in Scope Between 1939 and 1949

In 1939, establishments having less than \$2,000 value of products were designated as out of scope of the Puerto Rican Census of Manufactures. In the 1949 Census, no value size limit or employment size limit was used.

Establishments primarily engaged in the following activities were included in manufacturing industries in 1949, but were considered as nonmanufacturing in 1939:

Coffee and spice roasting and grinding
Tobacco stemming and redrying

The 1949 Census tabulations included 19 coffee roasting establishments (as part of industry 2099, Miscellaneous Food Preparations) with 141 employees accounting for \$0.6 million value added by manufacture; and 42 tobacco stemming and redrying establishments, reporting 5,944 employees and \$5.8 million in value added by manufacture.

IX. Definition of Industries

An industry consists of a group of establishments primarily engaged in the same line or similar lines of economic activity. In the manufacturing field, the line of activity is generally defined in terms of the products made or the processes of manufacture used.

Except for certain relatively minor modifications, the 453 manufacturing industry classifications used in this Census were derived from the 1945 Standard Industrial Classification Manual referred to above. The following general principles were used in the preparation of this system of industry classification:

- (1) The classification should conform to the existing structure of American industry;
- (2) The reporting units to be classified are establishments (for definition of "establishment," see Section V above), rather than legal entities or companies; each establishment is to be classified according to its major activity;
- (3) To be recognized as an industry, each group of establishments must have significance from the standpoint of the number of establishments, value of products sold, employment and pay rolls, and other related economic features.

In addition to the above principles, it is important that an industry comprise a group of establishments: (a) whose output consists, to a relatively large extent, of the products defining the industry; and (b) whose output of the products defining the industry accounts for a relatively high proportion of the total output of those products by establishments in all industries. Finally, (c) the output of the bulk of the establishments should be distributed among the various products or groups of products defining the industry; if any considerable number of establishments concentrated on the production of a single product within the group of products defining the industry, such concentration might constitute the basis for a further subdivision of the industry.

X. Classification of Establishments into Industries

A manufacturing establishment is assigned to or classified in an industry, generally, on the basis of its principal products. The products made by each establishment are grouped according to the industries in which they "belong;" the group of products accounting for the principal portion of the total value of products sold by the establishment determines its industry classification. This group of products is said to be the "primary" products of the establishment, as well as of the industry which it defines; all other products made by the establishment are referred to as "secondary" products.

In some instances, a knowledge of the types and value of products sold is not sufficient for determining the proper industry classification of an establishment. It may also be

necessary to know the process used in the manufacture of the products, or the materials used, or other characteristics of the operations of the establishment.

While some establishments produce only the primary products of the industry in which they are classified, this is rarely true of all the establishments in an industry. The general statistics (employment, pay rolls, value added by manufacture, etc.) shown for an industry, therefore, reflect not only the primary activities of the establishments in that industry, but also their activities in the manufacture of secondary products and sometimes, for that matter, their auxiliary nonmanufacturing activities.

In a classification system dividing the manufacturing field into some 450 separate industries to which establishments are assigned on the basis of their principal activity, a certain amount of overlapping production by one industry of products of other industries, is bound to arise. Such overlapping is particularly prevalent in such industry groups as apparel, furniture, and metal fabricating, where establishments within each group, employing the same basic types of machinery and fabricating operations, produce a wide variety of products belonging to a number of different industries.

XI. Groups of Industries

The Standard Industrial Classification system, used in this Census, groups the 453 individual manufacturing industries into 141 industry groups comprising one individual industry or a small number of closely related individual industries. These industry groups are combined further into 20 major industry groups. Each individual industry is designated by a 4-digit code, each industry group by a 3-digit code identical with the first three digits of its component industries, and each major industry group by a 2-digit code identical with the first two digits of its component industry groups. For brevity, individual industries are sometimes referred to as 4-digit industries, industry groups as 3-digit industries, and major industry groups as 2-digit industries.

XII. Statistics for 1939

The changes in the scope of the census between 1939 and 1949 have been discussed in Section VIII above. It was, of course, impossible to include in the figures for 1939 any statistics for the coffee roasting and grinding or tobacco stemming and redrying activities, which were covered in 1949 but not in 1939. When comparative statistics are presented for both years, therefore, data for these two activities are shown both included and excluded from the 1949 figures, wherever practicable.

Among industries covered in both years, there were significant changes in industry definitions and in the criteria used for classifying establishments into individual industries. The 1939 Census reports of all establishments in industries affected by such changes were reclassified, in accordance with the present Standard Industrial Classification System. The basic general statistics previously published for 1939 (number of establishments, production workers and their wages, cost of materials, value of products, and value added by manufacture) were then retabulated for all such industries and are comparable with the 1949 industry figures in this publication. Other data, such as the number and salaries and wages of non-production employees, inventories, capital expenditures, etc., were not retabulated.

XIII. Census Report Forms

Two report forms (see Appendix B) were used: (1) The standard form MP-100 contained inquiries on basic measures of industrial activity such as total and production-worker employment and earnings, cost of materials, supplies, fuel, etc., cost of contract work, and the value and kind of products sold. In addition, the form included questions on the date each establishment first began operations, type of ownership, description of processes used in making the products, and the principal materials used; (2) the "long" form MA-200 was identical with the standard form except that (a) individual products of major importance were pre-printed in the products sold question; and (b) two questions were added: one on inventories and another on capital expenditures.

The long form was sent to all known establishments in the following industries: (1) raw cane sugar, (2) cane sugar refining, (3) distilled liquors, (4) glass containers,

and (5) cement. In addition, any establishment in other industries believed to have fifty or more employees (based on Workmen's Compensation tax return records) were added to the "long" form mailing list. Approximately one-fifth of the total number of establishments were canvassed with the long form. These establishments, however, accounted for more than four-fifths of the total value added by manufacture for the Island.

XIV. Disclosure of Data for Individual Companies

The U. S. Bureau of the Census and the Government of Puerto Rico are prohibited by law from publishing any statistics that disclose information reported by individual companies. As in recent censuses, this has been interpreted as follows:

- (a) It is not a disclosure to single out an establishment as to its locality, industry classification, or approximate size;
- (b) Employment figures may be shown for any industry or locality represented by three or more companies;
- (c) Value figures may be shown for any industry, locality, or product represented by three or more companies; provided also that one or two companies do not produce a very large proportion of the combined output of these companies;
- (d) Care is taken to provide against the possibility of disclosure by subtraction. If, for example, the subtraction of the statistics for a municipality from that for a Senatorial District in which located would isolate a group of establishments not meeting the rules indicated in (b) and (c), data for the municipality (considered as having a lower priority on the scale of preference) would be withheld.

In this census, as compared with earlier censuses, an important change was made in the presentation of data which could not be shown in detail in order to avoid disclosures. In the 1949 Census, preference was given in geographical statistics, first to Senatorial Districts, second to Standard Metropolitan Area, and third to individual municipalities. Similarly, in presenting industry statistics preference was given to industry groups over individual industries. In 1939, on the other hand, first preference was given to municipalities and to individual industries.

XV. Standard Metropolitan Areas

In addition to the legally constituted units (that is, Senatorial Districts and municipalities), Census of Manufactures statistics have been tabulated for standard metropolitan areas. These areas, after local clearance, were recommended by the Inter-Agency Committee on Standard Metropolitan Areas of the U. S. Budget Bureau for use throughout the Federal government in presenting social and economic statistics. They are being used by the Bureau of the Census in its publications of the Puerto Rican Censuses of Manufactures, Business, and Population. In defining these areas, the general concept applied was that a standard metropolitan area should be an integrated economic and social entity with an attendant large volume of daily travel and communication between the central city and the outlying parts of the area. Each standard metropolitan area is designated by the name of the principal municipality in the area.

XVI. Content of the Census Form

(a) General information.--The form requested that each respondent enter the exact physical location of the manufacturing establishment, as well as verify the mailing address of the company office. In order to obtain complete coverage of each establishment's activity during the census year, information was requested on the previous or new owner if a business changed ownership during the year 1949. As a source of historical data on when the establishments covered in the 1949 Census came into existence, each respondent was asked to report the year in which his plant first began operations. Also, a "character of ownership" question was included to determine the distribution of establishments by type of ownership in the various industry groups.

(b) Manufacturing employees.--The item "All employees" comprised all full-time and part-time persons on the pay rolls (except homeworkers) who worked or received compensation in any part of the four selected pay periods covered in the census year. The total of manufacturing employment was divided in a two-fold functional classification as follows:

- (1) "Production and related workers," closely comparable to "Wage earners" in the 1939 Census classification, comprised working foremen and all non-supervisory workers (including leadmen and trainees) engaged at the plant in fabricating, processing, assembling, inspection, storage, receiving, handling, packing, warehousing, shipping, maintenance, repair, janitorial, watchman services, product development, auxiliary production for plant's own use (for example, power plant), record keeping, and other services closely connected with the above production operations.
- (2) "All other employees" included officers of company, administrative, supervisory, sales, technical, office and other personnel at the plant engaged in non-production activities.

NOTE: It was found that the reports for a considerable number of establishments, especially in the needlework industries, included homeworkers, as well as factory production workers, in the employment figures. Also, the cost of such home labor was included in the wage figures. Since the Census of Manufactures covers only factory employment, it was necessary to review carefully all the reports in these industries. In several instances, data for homeworkers were reported separately. For the remaining questionable cases, employment and wage data for factory workers were obtained from the records of the Puerto Rican Bureau of Labor Statistics, through the courteous cooperation of the Division of Statistics, Bureau of the Budget, Office of the Governor. As a result, the figures for employment and wages in these industries were corrected to include only factory workers, and the costs of this homework were added to contract costs. It is possible, of course, that some homeworkers were included in reports that were not questioned, but a careful review of the industry figures indicates that their number could not have a significant effect upon the statistics as a whole.

In the same manner, as noted in Section VI, the employment and pay roll figures were also adjusted systematically to exclude data for those laborers in the tobacco stemming and redrying warehouses who were paid by the individual growers using the warehouse facilities for processing their crops.

The 1949 annual averages for total manufacturing employment and production worker employment shown in the tables consist of the average of the four separate figures for the mid-month pay roll periods of February, May, August, and November.

of the entire year.--Total wages and salaries for the year
two classes of employees.

parts, containers, supplies, fuels, and electric energy
net costs, after discounts and allowances (paid or payable)
s, supplies, fuels, and electric energy that were actually
the establishment in 1949. One total figure was obtained
above mentioned items.

..--Each manufacturer was requested to report the total cost
materials furnished by him, including the cost of home work.
of freight charges out and in on such contract work.

manufacturer was asked to describe his major products
s on the long form) which were manufactured by the estab-
report the quantity and value of each product sold. The
the received or receivable net selling values, f.o.b. plant,
excluding freight charges and excise taxes.

Individual reports in certain industries, particularly cane
ors, it was apparent that excise taxes were not always

(c) Wages and salaries
were reported for each of the above

(d) Cost of all materials consumed.--The form called for the
for all materials, parts, container
consumed or put into production in
from the manufacturer for all the a

(e) Cost of contract work
of work done for him by others on m
This figure also included the cost

(f) Products sold.--Each
(except for the 12 preprinted item
lishment and sold in 1949, and to
value of products sold represented
after discounts and allowances, and

From an examination of in
sugar refining and distilled liqu

excluded. It was impractical to engage in correspondence in all cases in question. Instead, estimates were made for the more obvious cases, on the basis of information obtained from other reports in the industries concerned and from other reliable sources.

The value of products sold reported by most establishments represents f.o.b. plant values. However, in a few industries, such as ice cream (2024), bottled soft drinks (2081) and ice (2097) where the manufacturers operate their own distribution system, the figures probably represent delivered values. In such establishments, the driver salesmen have been included in the "all employees" figures.

(g) Inventories.--The values of beginning- and end-of-year inventories, respectively, were requested of all establishments reporting on the long form. Data were collected for (1) finished products and (2) materials, supplies, work in process, fuel, and other inventories.

(h) Expenditures for plant and equipment.--Data were collected on capital expenditures for plant and equipment from all establishments reporting on the long form. Manufacturers were requested to report separate figures for (1) new structures and additions to plant, (2) new machinery and equipment, and (3) expenditures for used plant and used equipment acquired from other owners.

XVII. Value Added by Manufacture

Value added by manufacture is calculated by subtracting the cost of materials, supplies, containers, fuel, purchased electric energy, and contract work from the total value of products sold. In that it approximates the value created in the process of manufactures, value added by manufacture provides the most satisfactory measure of the relative importance of the economic activities of the industries covered in the Census of Manufactures.

XVIII. Duplication in Cost of Materials and Value of Products Sold

The aggregate of the cost of materials and value of products sold figures for industry groups and for all manufacturing industries includes a considerable amount of duplication, due to the use of products of some industries as materials by others. This duplication is not particularly significant within individual industries, but it becomes important in the addition of industries representing successive stages in the production of a finished manufactured product. Examples are the addition of value figures for the raw cane sugar mills to those for distilleries in the Food and Kindred Products industry group and the addition of values for stemmed and redried tobacco to those for cigars, cigarettes, and chewing and smoking tobacco, in the Tobacco manufactures industry group. Because of the unknown and varying amounts of duplication, the figures for cost of materials and value of products are not shown for groups of industries or for geographic areas.

ERRATA

The following changes (affecting only those tables in which industry or industry sub-group figures are shown), resulted from corrections in the industry classification of a number of establishments, based upon additional or revised information obtained after the tables had been set up for printing, should be noted:

(a) All thirteen establishments classified in the Floor and wall tile industry (3253) should be transferred to the Concrete products industry (3271).

(b) The single establishment in the Steel works and rolling mills industry (3312) should be shifted to the Structural and ornamental products industry (3441).

NOTE: An approximation of the size and relative importance of these establishments can be ascertained by referring to the data shown for them in the following tables:

Chapter II, Table 6.--Distribution of Establishments, by Value Added by Manufacture Size Groups, for Industry Groups and Industries: 1949 and 1939

Chapter II, Table 7.--Distribution of Establishments, by Employment Size Groups, for Industry Groups and Industries: 1949.

CENSO DE MANUFACTURAS DE PUERTO RICO DE 1949

EXPLICACIONES GENERALES

I. Antecedentes

El Censo de Manufacturas de Puerto Rico de 1949 es el primero que se levanta desde 1939, y a la vez constituye el cuarto reconocimiento de las actividades manufactureras en Puerto Rico desde que la Isla pasó a poder de los Estados Unidos. El primer Censo de Manufacturas levantado cubrió el año 1909 y a partir de esa fecha se levantaron censos a intervalos de 10 años, con excepción del año 1929. El censo de 1949 fué autorizado por una Ley Federal del Congreso de los Estados Unidos, aprobada el 19 de junio de 1948 (62 Stat. 478; 13 U.S.C. 121-213), y otra aprobada por la Legislatura de Puerto Rico (Núm. 11, 27 de marzo de 1950). (Véase Apéndice A.)

II. Area y Período Cubierto

Este censo cubrió las actividades manufactureras desarrolladas durante el año calendario 1949 en los 77 municipios en que está dividido Puerto Rico. Se obtuvieron informes para el año calendario de la mayoría de las compañías en todas las industrias manufactureras. Hubo un número de casos relativamente pequeño en que le fué permitido al industrial someter su informe cubriendo el año fiscal, sin embargo, aun así se le requirió que informara los datos relativos a personal empleado y nóminas de pago basadas en el año calendario. En vista de que el año 1949 y los meses inmediatamente antes y después de este año fueron de gran actividad en la mayoría de las industrias, la comparabilidad entre la producción y mano de obra, o sea el valor agregado por la manufactura (es decir, la cantidad por la cual el valor de los productos vendidos sobrepasa el costo de materiales y equipo) incluyendo los salarios, no se afecta gran cosa por el hecho de que en algunos casos el valor de los productos vendidos fuera informado para cubrir un período de 12 meses diferente al año calendario.

III. Lista de Establecimientos y Obtención de un Censo Completo

La lista de establecimientos manufactureros para el envío por correo de cuestionarios se obtuvo combinando una lista de 1,529 establecimientos cubiertos por la Ley de Compensaciones a Obreros Puertorriqueños y otra lista de 599 pequeños fabricantes de cigarrillos, preparada por el Departamento de Agricultura y Comercio de Puerto Rico. Asimismo con el fin de localizar cualquier otro establecimiento que pudiera haber y para verificar las listas disponibles, se instruyó a los enumeradores encargados de recolectar los datos para el Censo de Negocios de 1949, para que anotaran el nombre, dirección, y naturaleza de cada establecimiento comercial o industrial situado dentro de sus distritos de enumeración pero que por la clase de actividad llevada a cabo no correspondía enumerarlos para el Censo de Negocios. En esta forma se añadieron aproximadamente 200 establecimientos más a la lista ya obtenida anteriormente. De otro lado, fué preciso omitir algunos establecimientos incluidos en la lista original, ya que de acuerdo con sus actividades no correspondían dentro de la clasificación manufacturera según se define en el Sistema de Clasificación Industrial Standard de los Estados Unidos. (Véase Volume I, "Manufacturing Industries", del Manual Standard Industrial Classification publicado por Executive Office of the President, U. S. Bureau of the Budget, noviembre de 1945.) Así también algunos establecimientos incluidos en estas diferentes listas resultaron estar duplicados. Otros cerraron sus actividades antes del año 1949, y aun otros comenzaron sus operaciones en 1950. Aproximadamente se eliminaron unos 300 establecimientos de las listas originales por las razones

antes expuestas, y como resultado final se llegó a la cifra de 1998 establecimientos manufactureros a ser incluídos en este censo. Para el caso en que el establecimiento hubiera pasado a otro dueño durante el año, se proveyó espacio en el formulario censal, de manera que se pudiera anotar el nombre y dirección tanto del dueño anterior como del siguiente, y así poder obtener los datos para el establecimiento por el año completo. Como resultado de los procedimientos mencionados, se estima que no ha quedado sin incluir ningún establecimiento manufacturero de los mayores, ni número significativo de los pequeños.

IV. Recolección y Compilación de las Estadísticas

Los cuestionarios para el censo de 1949 fueron distribuídos, y en su mayor parte, devueltos con la información por correo. Se enviaron por correo dichos cuestionarios a principios de abril de 1950 desde la oficina regional del Negociado del Censo de los Estados Unidos, establecida en San Juan para esa fecha. Los cuestionarios debían ser devueltos para principios de mayo. En julio se había recibido ya un 90% de los mismos, sin embargo hubo algunos que no se recibieron hasta noviembre. A aquellos industriales que no devolvieron sus cuestionarios a tiempo, o que los enviaron con la información incompleta o defectuosa, se les escribió o llamó por teléfono, o bien fueron entrevistados por un delegado de la oficina del censo en San Juan. Hubo un número de establecimientos, especialmente de los pertenecientes a la industria de aguja, para los cuales fué preciso obtener los datos de las casas matrices localizadas en Estados Unidos. También, hubo el caso que muy pocos establecimientos dejaron de operar durante o después de 1949 y no fué posible encontrar al dueño, o bien en que no se pudo obtener el informe por otras razones y se usaron datos estimados. En estos casos, las cifras correspondientes al número de empleados y a los salarios pagados fueron obtenidas del Fondo del Seguro del Estado de Puerto Rico, y otros renglones del cuestionario fueron estimados a base de los promedios calculados para dicha industria. Estos cálculos afectaron no más del uno por ciento de los establecimientos y sólo una fracción del uno por ciento del valor agregado por la manufactura.

El envío por correo, recolección, entrevistas complementarias, revisión y codificación de los cuestionarios, fueron supervisados por empleados del Gobierno Insular a los cuales se les concedió licencia especial de sus puestos para servir como agentes especiales del Negociado del Censo de los Estados Unidos en sus oficinas en San Juan. La tabulación de los datos y la preparación del texto y las tablas contenidas en esta publicación fueron obra de la División de Industrias del Negociado del Censo de los Estados Unidos en Wáshington.

V. Definición de Establecimiento

Hasta donde fué posible, el Censo de Manufacturas fué llevado a efecto donde se usó el establecimiento como base. Como regla general, el término "establecimiento" significa una sola planta o fábrica la cual no es necesariamente idéntica al negocio o compañía que pueda dirigir uno o más establecimientos. A las compañías administradoras de establecimientos industriales situados en más de un local se les pidió que sometieran un informe separado por cada uno de estos locales; así también a las compañías dedicadas a más de una actividad industrial en un mismo local, se les pidió que sometieran informes separados para cada actividad cuando se llevasen récords separados, tanto de pagos a los empleados como de inventarios. En limitados casos en que una compañía administraba dos o más fábricas situadas en diferentes municipios y no llevaba récords completamente separados, se obtuvieron los datos sobre empleados y pagos de salarios para cada establecimiento y estos datos sirvieron para distribuir los demás datos del informe combinado de todos los establecimientos.

En el caso de un establecimiento que cambió de dueño durante el año 1949, se consideró como una sola unidad siempre que las actividades continuaran siendo las mismas y que el establecimiento continuara en el mismo local. Sin embargo, cuando los informes de dueños sucesivos fueron recibidos en diferentes fechas, no siempre fué factible tabular los informes como uno solo.

VI. Clases de Establecimientos Cubiertos en este Censo

El Censo de Manufacturas de 1949 cubre todos aquellos establecimientos dedicados principalmente a la manufactura, tal como se describe en el Manual "Standard Industrial

Classification", Vol. I, 'Manufacturing Industries', preparado por el Negociado del Presupuesto de los Estados Unidos, publicado en noviembre de 1945.

En este manual se describe a los establecimientos manufactureros como aquellos dedicados a la transformación mecánica o química de materias orgánicas o inorgánicas convirtiéndolas en productos nuevos. Estas actividades por lo general se efectúan en plantas, fábricas o molinos.

La producción manufacturera generalmente es destinada al mercado mayorista, para el intercambio con otras fábricas, o para llenar los pedidos de otros industriales más bien que para la venta directa al consumidor último. Hay, sin embargo, industriales de unas pocas industrias que venden principalmente al consumidor último.

A continuación se señalan aquellos casos de mayor importancia en que ambas clasificaciones, la standard y la del censo, difieren de la práctica común, así como aquellos otros pocos casos en que la definición de industria usada por el censo difiere de la Clasificación Industrial Standard.

(a) Las siguientes clases de actividades se definen como no-manufactureras por la Clasificación Industrial Standard y también se excluyen del Censo de Manufacturas:

Elaboración de productos en la finca, si la materia prima es producida en la misma finca y las actividades son en pequeña escala y sin hacer uso extenso de mano de obra pagada; también la molienda de granos a la orden y otras actividades similares.

NOTA: Una adaptación importante de esta exclusión para Puerto Rico se encuentra en la industria de despalillado y resecado de tabaco en que se sigue la práctica de permitir a los productores individuales el elaborar su propio tabaco en los almacenes de las grandes compañías tabacaleras. Durante la elaboración del producto de un agricultor en particular, los salarios de los obreros ocupados en la operación son pagados por el propio agricultor y mientras tanto el producto sigue siendo de su propiedad. Dichos productos y actividades se excluyen del Censo de Manufacturas.

Compraventa de materiales por establecimientos que no se dedican a la manufactura, sino que pasan los materiales a contratistas para su manufactura; el Censo de Manufacturas sin embargo, incluye alguna compraventa de ropa hecha.

Actividades manufactureras de ciertos establecimientos que venden la mayoría de sus productos en el mismo local; por ejemplo, panaderías o reposterías que consisten de una sola unidad.

Actividades de fabricación efectuadas por contratistas en el mismo lugar de la construcción.

Producción de luz y fuerza eléctrica o de gas fluído manufacturado por las compañías de servicio público.

Trabajos hechos a la orden por pedido de consumidores individuales, tales como sastrería o costura a la orden, o trabajos en madera.

Reparaciones y otros servicios, excepto servicios especificados efectuados "para el negocio". Talleres de reparación dedicados exclusiva o casi exclusivamente a trabajos de reparación o talleres del ferrocarril son también excluidos.

Ingeniería, diseño o dibujo, y trabajos experimentales, o cuando éstos se llevan a cabo en establecimientos dedicados principalmente a la manufactura.

Instituciones educacionales, caritativas y penales que llevan a cabo algunas actividades manufactureras.

(b) Las siguientes clases de actividades, aunque no consideradas universalmente como manufactureras, son consideradas como tales en la Clasificación Industrial Standard y se incluyen en el Censo de Manufacturas:

Industrias gráficas y análogas (impresos y publicaciones)
 Matanza de ganado a la orden
 Contratistas de ropa hecha
 Niquelado de metales
 Conservación de madera
 Galvanización
 Estampado, moldaje, corte de metales
 Trabajo lapidario

VII. Comparabilidad de los Datos sobre Establecimientos Manufactureros con otras Cifras

A pesar del uso de definiciones relativamente uniformes sobre lo que se considera como actividad manufacturera, las cifras del censo de 1949 puede que difieran en algo de las cifras publicadas por otras entidades gubernamentales (por ejemplo, el Departamento de Trabajo de los Estados Unidos, y el Departamento de Trabajo Insular) para este mismo año. Estas diferencias reflejan en gran parte, el énfasis dado por el censo al asunto de obtener informes separados para cada establecimiento cuando las compañías tienen más de una planta, permitiendo de este modo una clasificación más exacta por zona geográfica y la exclusión de actividades no manufactureras de dichas compañías en locales distintos a los de la planta principal. La exclusión de las actividades no manufactureras en este censo se facilitó mediante el procedimiento de pedir a los grandes industriales que sometieran información detallada por cada establecimiento sobre el uso de materia prima y la producción de artículos.

VIII. Diferencias entre el Alcance del Censo de 1939 y el de 1949

En el 1939, los establecimientos con una producción valorada en menos de \$2000 se consideraron fuera del alcance del Censo de Manufacturas de Puerto Rico. En el censo de 1949, no se fijó límite alguno en el valor de la producción ni en el número de empleados usados.

Los establecimientos dedicados principalmente a las siguientes actividades fueron incluidos como manufactureros en 1949, pero en 1939 fueron considerados como no manufactureros:

Torrefacción de café (tostar y moler)
 Despalillado de tabaco (despalillar y resecar)

Las tabulaciones del censo de 1949 incluyeron 19 establecimientos de torrefacción de café (como parte de la industria 2099, Preparaciones Alimenticias Misceláneas) con 141 empleados y un valor agregado por la manufactura de \$600,000; y 42 establecimientos de despalillado de tabaco, con 5,944 empleados y un valor agregado por la manufactura de \$5,800,000.

IX. Definición de Industrias

Una industria consiste de un grupo de establecimientos dedicados principalmente a un mismo campo o a varios ramos similares de actividad económica. En el campo manufacturero, por lo general se define la línea de actividad en términos de los artículos manufacturados o los procesos de manufactura usados.

Con excepción de ciertas modificaciones de relativa insignificancia, las 453 clasificaciones industriales usadas para este censo se tomaron del Manual de Clasificación Industrial Standard de 1945, mencionado anteriormente. Al preparar este sistema de clasificación industrial se tomaron en cuenta los siguientes principios generales:

- (1) La clasificación debe estar acorde con la estructura actual de la industria americana;

- (2) Las unidades a ser clasificadas serán los establecimientos (Véase definición de "establecimiento" en la Sección V) en vez de las entidades jurídicas o las compañías; cada establecimiento será clasificado de acuerdo con su actividad principal;
- (3) Para ser reconocido como industria, cada grupo de establecimientos deberá tener importancia desde el punto de vista del número de establecimientos, valor de la producción vendida, número de empleados y nómina de pago, y otros factores económicos relacionados.

Además de los principios arriba mencionados, es importante que una industria incluya un grupo de establecimientos: (a) cuya producción consista, hasta cierto límite relativamente elevado, de aquellos artículos con los cuales se identifica la industria; y (b) cuya producción de artículos que identifican la industria constituye una proporción relativamente alta de la producción total de esos mismos artículos por establecimientos en todas las industrias. Finalmente (c) la producción de la mayoría de los establecimientos debe ser distribuída entre los distintos artículos o grupos de artículos producidos que sirven para identificar la industria; si un número considerable de establecimientos se concentrara en la producción de un solo artículo dentro del grupo de artículos que dan el nombre a la industria, dicha concentración podría constituir la base para una subdivisión más de la industria en cuestión.

X. Clasificación de Establecimientos por Industrias

Generalmente, un establecimiento manufacturero es asignado o clasificado dentro de una industria de acuerdo con sus productos principales. Estos productos manufacturados por cada establecimiento se agrupan según la industria a que "pertenecen"; a su vez, el grupo de productos que constituye la parte principal del valor total de los productos vendidos por el establecimiento, determina su clasificación industrial. Este grupo de productos se considera como "productos primarios" del establecimiento, así como también de la industria a que dan nombre; todos los demás productos manufacturados por el establecimiento se conocen como "productos secundarios".

En algunos casos, no es suficiente tener conocimiento de las clases y valores de los productos vendidos para poder determinar la clasificación industrial correcta de un establecimiento. Puede que sea preciso conocer también los procesos manufactureros usados, o los materiales usados, o cualesquiera otras características peculiares del establecimiento.

Aunque algunos establecimientos sólo se dedican a la manufactura de aquellos productos primarios que corresponden a la industria en que están clasificados, esto es poco común a todos los establecimientos clasificados dentro de una industria. Así pues, las estadísticas generales (número de empleados, nóminas de pago, valor agregado por la manufactura, etc.) para una industria, reflejan no sólo las actividades primarias de los establecimientos en dicha industria, sino también sus actividades en relación con la manufactura de productos secundarios y algunas veces, hasta sus actividades auxiliares no manufactureras.

Dentro del sistema de clasificación usado para dividir el campo de la manufactura en unas 450 industrias distintas, a las cuales se asignan los diferentes establecimientos de acuerdo con su actividad principal, ocurre hasta cierto punto que la producción de una industria se extiende hasta abarcar la producción de otras industrias. Esto ocurre particularmente en grupos de industrias tales como manufactura de ropas, manufactura de muebles y manufactura de artículos de metal, en que los establecimientos dentro de cada grupo, que emplean los mismos tipos básicos de maquinaria y procesos de fabricación, producen una gran variedad de artículos que pertenecen dentro de otras industrias.

XI. Grupos de Industrias

El sistema de la Clasificación Industrial Standard usado para este censo, agrupa las 453 industrias manufactureras individuales para formar 141 grupos de industrias que abarcan una industria individual o un pequeño número de industrias individuales que están estrechamente relacionadas. Estos grupos de industrias están combinadas a su vez, hasta

formar 20 grupos principales de industrias. Cada industria individual se designa con un número clave de 4 cifras, cada grupo de industrias con un número clave de 3 cifras que son idénticas a las tres primeras cifras de las respectivas industrias que lo componen, y cada grupo principal de industrias con un número clave de 2 cifras que son iguales a las dos primeras cifras de los grupos de industrias que los componen. Para brevedad, algunas veces se hace referencia a las industrias individuales llamándolas industrias de 4 cifras, a los grupos de industrias llamándolos industrias de 3 cifras y a los grupos principales de industrias, industrias de 2 cifras.

XIII. Estadística para el Año 1939

Los cambios entre el alcance del censo de 1939 y de 1949 se discutieron en la Sección VIII. En las cifras para el censo de 1939, fué imposible, desde luego, incluir datos estadísticos para las industrias de torrefacción de café y despalillado de tabaco, ya que dichas actividades fueron cubiertas en el censo de 1949 pero no en 1939. Por lo tanto, al presentar los datos comparativos para los dos años, las cifras correspondientes a estas dos actividades son incluidas o excluidas en los datos de 1949, según sea el caso.

Entre las industrias incluidas en ambos años hubo cambios significativos tanto en las definiciones de las industrias como en el criterio usado para clasificar los establecimientos dentro de las industrias individuales a que corresponden. Los informes del censo de 1939 para todos los establecimientos afectados por estos cambios fueron reclasificados de acuerdo con el sistema actual de la Clasificación Industrial Standard y también se hicieron nuevas tabulaciones de los datos básicos generales publicados para 1939 (número de establecimientos, trabajadores de producción y sus salarios, costo de materiales, valor de los productos, y valor agregado por la manufactura), para hacerlos comparables con las cifras industriales para el año 1949 que aparecen en esta publicación. Los demás datos, tales como número, sueldos y salarios de empleados no de producción, inventarios, inversión de capital para mejoras, etc. no fueron tabulados de nuevo.

XIII. Cuestionarios Censales

Se usaron para este censo dos cuestionarios (Véase Apéndice B): (1) El cuestionario MP-100, en que se incluyen preguntas sobre medidas básicas de la actividad industrial tales como número total de empleados y de trabajadores de producción y sus salarios, costo de materiales, equipo, combustible, etc., costo de trabajo por contrato, y el valor y clase de los productos vendidos. Además se incluyen preguntas sobre la fecha en que el establecimiento comenzó sus operaciones, organización legal (tipo de dominio), descripción de los procesos de manufactura, y los materiales más importantes usados; (2) el cuestionario MP-200, más extenso que el anterior pero idéntico, con la excepción de que: (a) los nombres de los principales artículos producidos estaban ya impresos en la pregunta sobre productos vendidos; y (b) se añadieron dos preguntas: una sobre inventarios y la otra sobre inversiones de capital para mejoras.

El cuestionario más extenso fué enviado a todos los establecimientos conocidos de las siguientes industrias: (1) manufactura de azúcar crudo, (2) manufactura de azúcar refino, (3) manufactura de licores destilados, (4) manufactura de envases de cristal, y (5) manufactura de cemento. Se incluyó además en la lista para el envío de este cuestionario cualquier otro establecimiento de otras industrias que tuvieran 50 ó más empleados (según los récords del pago de contribuciones sobre Compensaciones a Obreros). Aproximadamente un quinto del total de establecimientos fué investigado mediante el uso de este cuestionario largo. Estos establecimientos, sin embargo, componen más de cuatro quintos del total del valor agregado por la manufactura para toda la Isla.

XIV. Divulgación de Datos sobre Compañías Individuales

Tanto al Negociado del Censo de los Estados Unidos como al Gobierno de Puerto Rico les está prohibido por ley publicar datos que revelen información rendida por compañías individuales. Al igual que en otros censos recientes, esto se interpreta como sigue:

- (a) Es permisible publicar datos individuales para un establecimiento con respecto a su localización, clasificación industrial, o tamaño aproximado;

- (b) Se pueden publicar cifras sobre empleo para cualquier industria o localidad que esté representada por tres o más compañías;
- (c) Se pueden publicar cifras sobre valor de la producción para cualquier industria, localidad o producto representado por tres o más compañías; siempre y cuando una o dos de dichas compañías no produzcan una proporción bastante mayor de la producción combinada de las tres compañías;
- (d) Se ha tenido cuidado en evitar la posibilidad de descubrir datos mediante la resta. Es decir, si por ejemplo la resta de cifras para un municipio del total para el distrito senatorial facilitara el aislar un grupo de establecimientos, faltando de este modo a los reglamentos (b) y (c) arriba mencionados, los datos para este municipio (considerado de menos prioridad en la escala de preferencia) serán omitidos al hacerse la publicación.

En comparación con otros censos anteriores, este censo tiene un cambio significativo en cuanto a la presentación de datos, el cual no se pudo detallar para evitar el divulgar información que no debe publicarse. En el censo de 1949, en las estadísticas por áreas geográficas, se dió preferencia, primero, a los distritos senatoriales, segundo, al área metropolitana standard, y tercero, a los municipios. De igual manera, al presentar las estadísticas sobre industrias se dió preferencia a los grupos de industrias, dejando en segundo lugar a las industrias individuales. Por el contrario, en 1939 se dió preferencia a los municipios y a las industrias individuales.

XV. Areas Metropolitanas Standard

Además de las unidades políticas legalmente constituidas (es decir, distritos senatoriales y municipios), los resultados del Censo de Manufacturas se tabularon también por áreas metropolitanas standard. Estas áreas, una vez aprobadas localmente, fueron recomendadas por el Comité Interdepartamental de Areas Metropolitanas Standard del Negociado del Presupuesto de los Estados Unidos, para ser usadas por el Gobierno Federal en la presentación de datos estadísticos sociales y económicos. El Negociado del Censo a su vez las está usando en la publicación de resultados de los censos de manufacturas, negocios, y población tomados en Puerto Rico. En la definición de estas áreas, el criterio general usado fué, que un área metropolitana standard debe ser una entidad social y económicamente integrada, con un gran volumen de tránsito e intercomunicación diaria entre la ciudad central y las zonas y pueblos limítrofes. Cada área metropolitana se designa por el nombre del municipio principal incluido en el área.

XVI. Contenido del Cuestionario Censal

(a) Información general.--En el cuestionario se pidió a cada informante que anotara la dirección exacta del establecimiento manufacturero, y también que verificara la dirección postal de la oficina. Asimismo se pidió información sobre el dueño anterior y el actual, cuando el establecimiento cambió de dueño durante el curso del año 1949, con el fin de cubrir por completo las actividades de cada establecimiento durante el año censal. Como dato histórico sobre la edad del establecimiento se pidió el año en que éste comenzó por primera vez sus operaciones. También se incluyó una pregunta sobre la organización legal (tipo de dominio) para poder determinar la distribución de los establecimientos por clase de dueño, entre los distintos grupos de industrias.

(b) Empleados industriales.--La pregunta sobre "todos los empleados" comprende todas las personas incluidas en las nóminas de pago como trabajando toda o parte de la jornada diaria (excepto los trabajadores a domicilio) que trabajaron o recibieron remuneración en cualquier parte de las cuatro jornadas de pago seleccionadas para ser cubiertas por el censo. El total de empleados industriales fué dividido en dos grupos de acuerdo con sus funciones, como sigue:

- (1) "Obreros de producción y similares", comparable a los "jornaleros" en la clasificación del censo de 1939, incluye capataces, y toda clase de trabajadores de producción (incluyendo maestros y aprendices) ocupados en la fabricación, elaboración, montaje, inspección, almacenaje, recibimiento, manejo, empaque, embarque, mantenimiento, reparación,

limpieza, vigilancia, desarrollo de productos, producción auxiliar para el propio uso de la planta (por ejemplo producción de energía eléctrica), manejo de récords, y otros servicios estrechamente relacionados con las operaciones productivas antes mencionadas.

- (2) "Todos los demás empleados" incluye oficiales de la compañía, personal administrativo, ejecutivo, técnico, de venta, oficina, y otros, encargados de actividades que no sean las de producción.

NOTA: En los informes para un número considerable de establecimientos, especialmente en las industrias de aguja, se encontró que se habían incluido tanto los trabajadores de la fábrica como los trabajadores a domicilio, en las cifras sobre el número de empleados. Así también incluyeron el costo de dicho trabajo a domicilio en las cifras sobre salarios. Como el Censo de Manufacturas sólo cubre el empleo en las fábricas, fué preciso revisar cuidadosamente todos los cuestionarios de estas industrias. En algunos casos los datos para los trabajadores a domicilio fueron informados separadamente. Para verificar los casos dudosos restantes se obtuvieron datos sobre número de empleados y salarios pagados a trabajadores en la fábrica, de los récords del Negociado de Estadísticas del Trabajo de Puerto Rico, mediante la atenta cooperación de la División de Estadísticas del Negociado del Presupuesto, Oficina del Gobernador. Como resultado de esta verificación, se corrigieron las cifras para empleados y salarios en estas industrias, de manera que sólo se incluyeran los operarios de fábricas, y el costo del trabajo a domicilio se añadió a los costos de trabajo por contratos. Es muy posible, desde luego, que se incluyeran trabajadores a domicilio en algunas industrias que no fueron objeto de dudas, sin embargo, una revisión cuidadosa de los datos obtenidos indica que su número no afectaría seriamente las estadísticas industriales en general.

De la misma manera, según se ha señalado en la Sección VI, las cifras para número de empleados y nóminas de pago fueron revisadas sistemáticamente excluyendo los obreros usados en el despalillado y resecado de tabaco en los ranchos o almacenes de tabaco, los cuales fueron pagados por los mismos productores de tabaco que aprovechan las facilidades de estos almacenes para elaborar sus productos.

Los promedios anuales para 1949 para el total de empleados en las industrias y el total de obreros de producción que aparecen en las tablas incluidas en esta publicación consisten del promedio de los cuatro totales correspondientes al número de personas incluidas en las nóminas de mediados de febrero, mayo, agosto y noviembre.

(c) Jornales y salarios para el año completo.---Se informaron los totales de jornales y salarios durante el año, para las dos clases de empleados antes mencionados.

(d) Costo de todos los materiales, piezas, envases, efectos, combustibles y energía eléctrica consumidos.---En el cuestionario se pidieron los costos netos luego de hacer descuentos (pagados o por pagar) de todos los materiales, piezas, envases, efectos, combustibles y energía eléctrica que realmente fueron consumidos o que se usaron en la producción en el establecimiento durante el año 1949. Se obtuvo del dueño una cifra total para todos los artículos antes mencionados.

(e) Costo del trabajo por contrato.---Se pidió a cada industrial que informara el costo total del trabajo hecho para él por otros, con materiales suministrados por él, incluyendo el costo de trabajo hecho a domicilio. Este total incluyó el costo de fletes de ida y vuelta para dichos trabajos contratados.

(f) Productos vendidos.---Se pidió a cada industrial que describiera los principales productos manufacturados y vendidos por él en 1949 (aparte de los 12 productos ya indicados en el cuestionario largo) y que informara también la cantidad y valor de cada producto vendido. El valor de los productos vendidos representó el valor neto de venta recibido o por recibir, mercancía a bordo (f.o.b.) en la fábrica, luego de hacer descuentos, y excluyendo gastos de flete y de impuestos de consumo.

Como resultado de un examen de los informes individuales en ciertas industrias, particularmente la de azúcar refinada y licores destilados, se encontró que los impuestos de consumo no siempre fueron excluidos. No se consideró práctico entablar correspondencia

con los industriales en todos estos casos dudosos, por lo tanto, en vez de eso se procedió a hacer estimaciones para los casos en que el error era más evidente, tomando como base otros informes sobre estas industrias y datos de otras fuentes confiables.

El valor de los productos vendidos informado por la mayoría de los establecimientos representa el valor del producto entregado en fábrica. Sin embargo, en el caso de unas pocas industrias, tales como las de Helados y mantecados (2024), Bebidas no alcohólicas y aguas carbonatadas (2081) e Hielo (2097), en que los manufactureros también dirigen la distribución de sus productos, las cifras informadas probablemente representan los valores de venta de los productos entregados al consumidor. Para dichos establecimientos, los vendedores y conductores de los camiones de entrega han sido incluidos en las cifras correspondientes a "todos los empleados".

(g) Inventarios.--Se pidieron los valores de los inventarios de principios y fines de año respectivamente, de todos los establecimientos que debían llenar el cuestionario largo (MP-200). Se obtuvieron datos para (1) los productos terminados y (2) materiales, efectos, trabajo en proceso de elaboración, combustibles, y otros inventarios.

(h) Inversiones de capital en el establecimiento y equipo.--Se obtuvieron datos sobre la inversión de capital para mejoras al establecimiento y para la compra de equipo de todos los establecimientos que rindieron sus informes en el cuestionario largo. Se pidió a los industriales que informaran totales separados para (1) edificios nuevos y ampliaciones a la fábrica, (2) maquinaria y equipo nuevo, y (3) edificios y equipo usados, adquiridos de otros dueños.

XVII. Valor Agregado por la Manufactura

El valor agregado por la manufactura se calcula restando el costo de materiales, efectos, envases, combustible; energía eléctrica comprada y costo de trabajo por contrato, del valor total de los productos vendidos. De esta manera se obtiene aproximadamente el valor creado por el proceso de la manufactura. El valor agregado por la manufactura proporciona la mejor medida de la relativa importancia de las actividades económicas de las industrias cubiertas en este Censo de Manufacturas.

XVIII. Duplicación en el Costo de Materiales y Valor de los Productos Vendidos

Las cifras globales del costo de materiales y del valor de los productos vendidos para grupos de industrias y para todas las industrias manufactureras incluyen una considerable duplicación debido al hecho de que algunas industrias usan los productos de otras como materiales. Esta duplicación no es tan particularmente significativa entre industrias individuales, sin embargo adquiere mayor importancia cuando se trata de obtener totales para industrias que representan distintas etapas sucesivas en la producción de un artículo terminado. Ejemplos de esto son la suma de valores de las centrales productoras de azúcar crudo, a los valores de las destilerías dentro del grupo de industrias Alimentos y Productos Análogos, y la suma de los valores de la industria de despalillado de tabaco a los valores de las industrias de cigarros, cigarrillos, tabaco hilado y picadura, dentro del grupo industrial Productos de Tabaco. Debido a que se desconoce hasta qué punto y en qué cantidades ocurre esta duplicación, las cifras para costo de materiales y valor de los productos no se presentan por grupos de industrias o por áreas geográficas.

ERRATA

Obsérvense los cambios que aparecen a continuación (sólo afectan a aquellas tablas en que aparecen cifras por industria o sub-grupos de industria), los cuales son resultado de las correcciones efectuadas en la clasificación industrial de un número de establecimientos, y están basados sobre información adicional o corregida, obtenida luego de estar las tablas ya listas para ser impresas:

(a) Los 13 establecimientos clasificados dentro de la industria de Losetas para piso (3253) deben ser transferidos a la industria de Productos de concreto (3271).

(b) El único establecimiento bajo la industria Productos de acero (3312) debe ser cambiado a la industria de Acero para construcciones y trabajos ornamentales en metal (3441).

NOTA: El tamaño aproximado y la relativa importancia de estos establecimientos pueden determinarse mediante los datos para los mismos que aparecen en las tablas: Chapter II, Table 6 y Chapter II, Table 7.

Table 1.—GENERAL STATISTICS FOR PUERTO RICO: 1949, 1939, 1919, AND 1909

Item	1949		1939	1919	1909
	All industries, total	All industries (excluding coffee roasting, tobacco stemming and redrying ¹), total			
Number of establishments.....	1,998	1,937	798	619	939
Proprietors and partners, number.....	1,821	1,768	953	787	1,478
All employees ²					
Number (average for the year).....	55,137	49,052	25,758	17,667	16,644
Salaries and wages, total.....	\$49,204,864	\$46,214,518	\$12,675,698	\$9,104,465	\$4,898,228
Production and related workers ²					
Number (average for the year).....	47,735	42,012	23,484	15,985	15,582
Wages, total.....	\$35,735,826	\$33,174,186	\$9,220,251	\$6,765,604	\$3,639,196
All other employees					
Number (average for the year).....	7,402	7,040	2,274	1,682	1,062
Salaries and wages, total.....	\$13,469,038	\$13,040,332	\$3,455,447	\$2,338,861	\$1,259,032
Value added by manufacture ³	\$93,420,523	\$87,042,903	\$35,218,868	\$25,521,776	\$15,249,124

¹These activities were previously considered nonmanufacturing and were not included in the scope of the 1939 and earlier censuses. The 1949 statistics in this column, therefore, are comparable with those for 1939, 1919, and 1909.

²These figures exclude data for homeworkers, in the apparel industries, who performed needlework outside the factory on materials furnished by the manufacturer. The figures also exclude data for those laborers in the tobacco stemming and redrying warehouses who were paid by the individual growers using the warehouse facilities for processing their crops.

³Value added by manufacture is computed by subtracting the costs of materials and supplies, fuels, electric energy, and contract work from value of products.

Table 2A.—NUMBER OF ESTABLISHMENTS, AVERAGE NUMBER OF PRODUCTION WORKERS, AND VALUE ADDED BY MANUFACTURE IN PUERTO RICO, BY STANDARD METROPOLITAN AREAS AND SENATORIAL DISTRICTS: 1949 AND 1939
(For explanation of column captions see GENERAL EXPLANATIONS)

Standard metropolitan areas and Senatorial Districts	1949			1939		
	Number of establishments	Number of production workers (average for the year)	Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
Puerto Rico, all industries, total.....	1,998	47,735	\$93,420,523	(¹)	(¹)	(¹)
Coffee roasting and tobacco stemming and redrying, total.....	61	5,723	6,377,620	(¹)	(¹)	(¹)
All other industries, total.....	1,937	42,012	87,042,903	798	23,484	\$35,218,868
Standard metropolitan areas.....	871	19,991	46,227,410	384	11,929	16,181,363
Mayagüez ²	158	4,538	8,542,880	97	2,929	4,610,600
Ponce ³	196	4,541	9,576,746	72	3,358	3,542,970
San Juan ⁴	517	10,912	28,107,784	215	5,642	8,027,793
Senatorial District I.....	560	12,756	31,308,118	235	6,310	8,794,504
Senatorial District II.....	197	4,991	8,764,847	70	2,627	2,708,378
Senatorial District III.....	135	1,681	3,195,275	67	1,323	2,429,159
Senatorial District IV.....	340	8,228	16,051,110	180	5,187	8,635,480
Senatorial District V.....	298	5,333	10,595,614	116	4,172	4,432,456
Senatorial District VI.....	231	4,057	9,002,983	89	2,037	3,822,731
Senatorial District VII.....	176	4,966	8,124,956	41	1,828	4,396,160

¹Comparable statistics for 1939 are not available. The activities of Coffee roasting and Tobacco stemming and redrying were considered nonmanufacturing in 1939 and were not included in the scope of the 1939 Census of Manufactures.

²The Mayagüez metropolitan area consists of Mayagüez municipality, in Senatorial District IV.

³The Ponce metropolitan area consists of Ponce municipality, in Senatorial District V.

⁴The San Juan metropolitan area consists of San Juan, Río Piedras, Cataño, Guaynabo, and Bayamon municipalities, in Senatorial District I.

Table 2B.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, SENATORIAL DISTRICTS, AND MUNICIPALITIES: 1949
(For explanation of column captions see GENERAL EXPLANATIONS)

Standard metropolitan areas, Senatorial Districts, and municipalities	Population 1950 (preliminary) ¹	Number of establish- ments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
Puerto Rico, total.....	2,205,398	1,998	1,821	55,137	\$49,204,864	47,735	\$35,735,826	\$93,420,523
Standard metropolitan areas.	678,445	884	758	25,253	23,797,097	20,723	15,761,083	46,879,760
Mayaguez ²	87,038	164	143	5,828	4,104,210	4,561	2,808,387	8,602,403
Ponce ³	126,451	199	179	5,348	4,958,789	4,564	3,165,847	9,909,413
San Juan ⁴	464,956	521	436	14,077	14,734,098	11,598	9,786,849	28,367,944
Senatorial District I.....	576,681	566	470	16,344	16,793,740	13,650	11,384,693	32,003,069
Bayamon.....	48,179	74	65	1,664	1,430,031	1,496	948,483	2,584,457
Carolina.....	29,143	17	11	653	805,605	551	569,191	1,414,038
Cataño.....	19,856	8	9	183	82,667	171	64,703	104,241
Corozal.....	23,080	4	7	36	(d)	35	(d)	(d)
Guaynabo.....	29,075	12	10	1,019	1,386,871	848	953,449	3,748,356
Naranjito.....	15,949	5	2	564	338,608	534	298,922	698,062
Río Piedras.....	143,897	144	101	3,313	3,391,849	2,646	2,293,792	6,876,785
San Juan.....	223,949	283	251	7,898	8,442,680	6,437	5,526,422	15,054,105
Toa Alta.....	14,170	5	(d)	(d)	(d)	(d)	(d)	(d)
Toa Baja.....	15,795	13	8	649	(d)	574	(d)	(d)
Trujillo Alto.....	13,588	1	(d)	(d)	(d)	(d)	(d)	(d)
Senatorial District II.....	267,874	212	191	7,093	5,544,810	6,290	4,198,297	9,746,734
Arecibo.....	75,058	92	79	2,740	2,402,376	2,446	1,708,996	4,808,270
Barceloneta.....	19,899	14	13	498	(d)	469	(d)	(d)
Ciales.....	19,423	10	9	93	(d)	85	(d)	(d)
Dorado.....	11,752	9	8	429	(d)	420	(d)	(d)
Manatí.....	30,427	34	32	1,601	1,117,515	1,251	834,410	1,663,706
Morovis.....	19,294	6	6	215	46,629	210	44,720	39,855
Utua.....	46,615	16	16	398	177,689	372	149,729	93,950
Vega Alta.....	16,510	17	17	200	97,185	186	82,168	78,901
Vega Baja.....	28,896	14	11	919	(d)	851	(d)	(d)
Senatorial District III.....	280,154	138	139	1,924	1,797,635	1,699	1,371,592	3,220,351
Aguada.....	20,727	7	6	417	(d)	337	(d)	(d)
Aguadilla.....	43,748	46	50	322	210,858	279	179,707	308,680
Añasco.....	17,173	5	5	24	19,619	23	18,579	35,170
Camuy.....	20,865	13	9	323	(d)	273	(d)	(d)
Hatillo.....	20,857	4	7	188	(d)	183	(d)	(d)
Isabela.....	29,061	9	9	47	24,524	46	23,804	38,633
Lares.....	29,921	11	13	56	27,184	50	19,256	45,632
Las Marías.....	10,806	...	...	...	...	...	...	...
Maricao.....	7,353	1	(d)	(d)	(d)	(d)	(d)	(d)
Moca.....	21,622	2	(d)	(d)	(d)	(d)	(d)	(d)
Quebradillas.....	13,720	17	17	63	26,022	58	24,112	41,324
Rincón.....	9,862	6	6	8	3,526	7	3,126	5,504
San Sebastián.....	34,439	17	14	472	(d)	439	(d)	(d)
Senatorial District IV.....	266,774	347	343	9,997	7,990,970	8,252	5,753,942	16,110,633
Cabo Rojo.....	29,488	45	43	446	251,235	409	187,563	479,716
Guánica.....	15,575	9	4	1,157	(d)	1,023	(d)	(d)
Guayanilla.....	17,373	17	32	494	(d)	465	(d)	(d)
Hormigueros.....	6,907	7	9	303	(d)	281	(d)	(d)
Lajas.....	16,275	11	13	149	75,898	140	65,425	106,266
Mayaguez.....	87,038	164	143	5,828	4,104,210	4,561	2,808,387	8,602,403
Peñuelas.....	14,867	5	5	10	(d)	6	(d)	(d)
Sabana Grande.....	16,080	25	27	659	435,117	608	358,807	578,421
San Germán.....	29,514	34	36	345	353,961	262	291,533	482,191
Yauco.....	33,657	30	31	606	422,279	497	280,453	667,231
Senatorial District V.....	267,501	301	276	6,230	5,432,242	5,356	3,557,982	10,928,281
Adjuntas.....	22,415	11	10	169	125,553	125	85,618	342,280
Coamo.....	26,463	36	40	504	225,203	482	204,300	340,532
Jayuya.....	15,062	11	10	44	37,293	40	30,388	47,619
Juana Díaz.....	27,660	26	25	56	31,745	54	30,445	42,152
Orocovis.....	21,085	5	4	9	(d)	9	(d)	(d)
Ponce.....	126,451	199	179	5,348	4,958,789	4,564	3,165,847	9,909,413
Santa Isabel.....	13,462	5	4	43	13,054	41	12,034	17,204
Villalba.....	14,903	8	4	57	(d)	41	(d)	(d)
Senatorial District VI.....	286,150	250	221	7,071	5,693,234	6,351	4,409,767	12,240,466
Agua Buenas.....	15,546	13	13	60	32,631	57	31,816	22,957
Aibonito.....	18,206	10	7	400	186,890	391	168,142	279,195
Arroyo.....	12,899	14	12	631	(d)	524	(d)	(d)
Barranquitas.....	17,590	6	5	60	(d)	58	(d)	(d)
Caguas.....	60,132	92	80	3,059	2,290,007	2,849	1,933,041	4,035,892
Cayey.....	36,634	39	36	716	568,259	662	486,160	600,620

For footnotes, see end of table.

Table 2B.--GENERAL STATISTICS FOR STANDARD METROPOLITAN AREAS, SENATORIAL DISTRICTS, AND MUNICIPALITIES: 1949--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Standard metropolitan areas, Senatorial Districts, and municipalities	Population 1950 (preliminary) ¹	Number of establish- ments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
uerto Rico--Continued								
Senatorial District VI-- Continued								
Cidra.....	20,518	7	6	17	(d)	14	(d)	(d)
Comerio.....	17,969	10	8	579	(d)	479	(d)	(d)
Guayama.....	32,713	33	29	525	\$485,635	470	\$358,330	\$1,282,459
Maunabo.....	11,742	5	6	15	5,285	13	5,585	16,310
Patillas.....	18,789	15	14	38	16,552	35	14,622	32,534
Salinas.....	23,412	6	5	971	(d)	799	(d)	(d)
Senatorial District VII.....	260,264	184	181	6,478	5,952,233	6,137	5,059,553	9,170,989
Ceiba.....	9,192	5	5	5	3,247	5	3,247	6,915
Culebra.....	877	1	(d)	(d)	(d)	(d)	(d)	(d)
Fajardo.....	22,036	20	18	655	(d)	574	(d)	(d)
Gurabo.....	16,274	16	14	84	61,274	79	44,790	145,515
Humacao.....	34,965	20	20	1,571	(d)	1,509	(d)	(d)
Juncos.....	21,668	35	42	2,194	1,710,271	2,116	1,547,028	1,434,040
Las Piedras.....	16,235	6	(d)	(d)	(d)	(d)	(d)	(d)
Loíza.....	24,313	9	8	434	(d)	407	(d)	(d)
Luquillo.....	9,979	5	3	29	(d)	23	(d)	(d)
Naguabo.....	20,991	17	16	67	55,762	57	47,911	88,881
Río Grande.....	16,640	8	7	166	100,230	163	97,210	56,295
San Lorenzo.....	29,209	30	28	569	302,371	544	256,357	729,665
Vieques.....	9,211	4	4	7	3,174	7	3,174	6,499
Yabucoa.....	28,674	8	8	683	(d)	639	(d)	(d)

⁴Withheld to avoid disclosing figures for individual companies.¹The final total 1950 population figure has been revised from 2,205,398 to 2,210,703, but no revised breakdown by municipality is available at the present time.²The Mayaguez metropolitan area consists of Mayaguez municipality, in Senatorial District IV.³The Ponce metropolitan area consists of Ponce municipality, in Senatorial District V.⁴The San Juan metropolitan area consist of San Juan, Río Piedras, Cataño, Guaynabo and Bayamon municipalities, in Senatorial District I.

Table 3A.--GENERAL STATISTICS BY INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939

(For explanation of column captions see GENERAL EXPLANATIONS)

Industry group and industry code		1949							1939 ¹		
		Number of estab- lish- ments	Number of proprie- tors and partners	All employees		Production workers		Value added by manufac- ture ²	Number of estab- lish- ments	Number of produc- tion workers (average for the year)	Value added by manufac- ture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
No.	Title										
	ALL INDUSTRIES, TOTAL.....	1,998	1,821	55,137	\$49,204,864	47,735	\$35,735,826	\$93,420,523	(³)	(³)	(³)
	ALL INDUSTRIES (excluding coffee roasting and grind- ing and tobacco stemming and redrying), TOTAL.....	1,937	1,768	49,052	46,214,518	42,012	33,174,186	87,042,903	798	23,484	\$35,218,868
20	Food and kindred products.....	526	473	23,243	25,515,547	19,615	18,251,093	52,432,434	(³)	(³)	(³)
	Food and kindred products, ex- cluding coffee roasting and grinding.....	507	450	23,102	25,398,001	19,526	18,202,677	51,821,360	379	12,996	22,997,076
2013	Prepared meats.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
202	Dairy products.....	31	29	311	391,248	166	132,901	650,753	9	36	39,506
2022	Natural cheese.....	4	5	37	31,531	31	22,999	46,504	3	9	12,163
2024	Ice cream and ices.....	27	24	274	359,717	135	109,902	604,249	6	27	27,343
203	Canning, preserving, and freezing.....	23	14	1,159	649,659	872	463,591	906,279	7	307	105,003
2033	Canning and preserving, except fish.....	19	12	1,132	630,203	851	454,498	823,658	7	307	105,003
2035	Pickles and sauces.....	4	2	27	19,456	21	9,093	82,621	...	...	...
204	Grain-mill products.....	1	(d)	(d)	(d)	(d)	(d)	(d)	5	(d)	(d)
2041	Flour and meal.....	...	(d)	(d)	(d)	(d)	(d)	(d)	5	(d)	(d)
2042	Prepared animal feeds.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
205	Bakery products.....	277	286	2,750	2,441,007	2,275	1,946,168	3,928,472	219	1,470	1,214,658
2051	Bread and other bakery products.....	265	278	2,235	1,994,584	1,839	1,655,555	3,144,185	212	1,143	1,021,577
2052	Biscuit, crackers, and pretzels.....	12	8	515	446,423	436	290,613	784,287	7	327	193,081
206	Sugar.....	41	22	14,241	17,246,070	12,900	13,253,674	35,704,476	44	9,658	18,666,141
2061	Raw cane sugar.....	36	22	13,562	16,496,407	12,280	12,680,139	32,228,432	40	7,765	16,496,602
2062	Cane-sugar refining.....	5	...	679	749,663	620	573,535	43,476,044	4	1,893	2,169,539

For footnotes, see end of table.

Table 3A.--GENERAL STATISTICS BY INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Industry group and industry code		1949							1939 ¹		
		Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture ²	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
No.	Title										
20	Food and kindred products--Continued										
207	Confectionery and related products.....	10	2	464	(d)	399	(d)	(d)	6	42	(d)
2071	Confectionery products.....	6	2	323	(d)	301	(d)	(d)	5	(d)	(d)
2072	Chocolate and cocoa products.	4	...	141	116,412	98	\$42,601	\$328,665	1	(d)	(d)
208	Beverages.....	73	42	3,174	3,533,294	2,287	1,835,558	8,526,538	53	1,006	\$2,343,518
2081	Bottled soft drinks.....	33	18	863	926,773	428	397,430	1,973,051	10	(d)	(d)
2082	Malt liquors.....	4	...	799	1,049,863	637	633,082	2,419,375	2	(d)	(d)
2084	Wines and brandy.....	5	12	85	57,247	52	26,138	282,202	4	43	20,205
2085	Distilled liquors, except brandy.....	31	12	1,427	1,499,411	1,170	778,908	43,851,910	37	657	1,635,905
209	Miscellaneous food preparations.	68	78	1,085	888,657	675	441,489	1,659,289	(³)	(³)	(³)
	Miscellaneous food preparations, excluding coffee roasting and grinding.....	49	55	944	771,111	586	393,073	1,048,215	36	467	580,187
2092	Shortening and cooking oils..	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2095	Flavorings.....	3	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
2097	Manufactured ice.....	29	37	515	444,686	241	170,341	640,375	25	285	382,068
2098	Macaroni and spaghetti.....	10	10	193	184,822	171	155,855	300,363	8	154	(d)
2099	Food preparations, n.e.c.....	25	27	361	245,047	249	104,593	703,379	(³)	(³)	(³)
	Food preparations, n.e.c., excluding coffee roasting and grinding.....	6	4	220	127,501	160	56,177	92,305	1	(d)	(d)
21	Tobacco manufactures.....	626	609	7,116	3,403,384	6,732	2,955,802	6,743,156	(³)	(³)	(³)
	Tobacco manufactures, excluding tobacco stemming and redrying...	584	579	1,172	530,584	1,098	442,578	976,610	47	445	289,140
2111	Cigarettes.....	...	...	...	...	...	...	...	1	(d)	(d)
2121	Cigars.....	577	574	1,097	495,745	1,024	408,943	935,044	41	(d)	(d)
2131	Chewing and smoking tobacco...	7	5	75	34,839	74	33,635	41,566	5	30	11,337
2141	Tobacco stemming and redrying..	42	30	5,944	2,872,800	5,634	2,513,224	5,766,546	(³)	(³)	(³)
22	Textile mill products.....	10	2	1,450	595,945	1,273	475,269	606,505	3	101	(d)
2221	Yarn mills.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2231	Broad-woven fabric mills (cotton, silk, and synthetic fiber)....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2251	Full-fashioned hosiery mills...	3	...	135	(d)	124	(d)	(d)	1	(d)	(d)
227	Carpets and rugs.....	3	1	446	(d)	438	(d)	(d)	2	(d)	(d)
2271	Wool carpets, rugs, and carpet yarn.....	2	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2273	Carpets and rugs, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2283	Straw hats.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
23	Apparel and related products.....	263	244	10,805	6,463,938	9,361	4,933,257	9,251,203	135	6,307	7,284,938
2311	Men's and boys' suits and coats.	11	17	684	548,716	642	450,433	860,587	5	688	709,291
232	Men's and boys' furnishings....	68	73	2,216	1,381,337	2,006	965,018	1,993,224	36	1,004	798,919
2321	Men's dress shirts and nightwear.....	17	13	741	541,425	657	331,833	780,565	9	505	304,955
2322	Men's and boys' underwear....	7	7	79	(d)	74	(d)	(d)	1	(d)	(d)
2325	Men's and boys' cloth hats and caps.....	3	2	78	(d)	63	(d)	(d)	7	(d)	(d)
2327	Separate trousers.....	35	41	1,058	603,165	978	468,412	919,642	18	262	260,108
2329	Men's and boys' clothing, n.e.c.....	6	10	260	129,320	234	91,395	132,375	1	(d)	(d)
233	Women's and misses' outerwear..	33	29	1,149	561,590	1,068	451,067	700,709	15	269	581,553
2331	Blouses and waists.....	18	13	757	386,902	700	313,126	496,661	7	(d)	(d)
2333	Dresses.....	14	(d)	(d)	(d)	(d)	(d)	(d)	8	(d)	(d)
2339	Women's outerwear, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
234	Women's and children's under garments.....	31	22	1,401	831,158	1,300	687,881	1,076,466	25	(d)	(d)
2341	Women's and children's underwear.....	29	(d)	(d)	(d)	(d)	(d)	(d)	25	(d)	(d)
2342	Corsets and allied garments..	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
235	Children's outerwear.....	27	22	946	552,330	894	483,369	710,795	11	(d)	(d)
2361	Children's dresses.....	26	(d)	(d)	(d)	(d)	(d)	(d)	11	(d)	(d)
2369	Children's outerwear, n.e.c....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
For footnotes, see end of table.											

For footnotes, see end of table.

Table 3A.—GENERAL STATISTICS BY INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Industry group and industry code		1949							1939 ¹		
		Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture ²	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
No.	Title										
23	Apparel and related products--Continued										
2371	Fur goods.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
238	Miscellaneous apparel and accessories.....	74	68	3,828	2,284,260	2,989	\$1,650,089	\$3,485,325	32	1,292	\$1,877,557
2381	Fabric and combination dress gloves.....	28	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2382	Fabric and combination work gloves.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2388	Handkerchiefs.....	45	44	2,453	1,517,386	2,118	1,200,148	2,029,642	31	(d)	(d)
239	Miscellaneous fabricated textiles.....	18	13	(d)	(d)	(d)	(d)	(d)	11	241	(d)
2391	Curtains and draperies.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2392	Housefurnishings, n.e.c.....	8	6	395	146,599	306	122,582	177,360	8	173	402,027
2394	Canvas products.....	6	5	51	47,883	37	32,353	80,337	1	(d)	(d)
2398	Embroideries, except Schiffli-machine.....	1	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
2399	Fabricated textile products, n.e.c.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
24	Lumber and wood products (except furniture).....	51	53	327	302,438	313	244,982	611,147	13	119	133,781
2421	Sawmills and planing mills, general.....	3	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2431	Millwork plants.....	43	47	300	289,195	286	232,189	589,255	11	(d)	(d)
244	Wooden containers.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2441	Fruit and vegetable baskets...	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2444	Wooden boxes (except cigar boxes).....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2499	Wood products, n.e.c.....	3	3	17	9,097	17	8,647	13,442	1	(d)	(d)
25	Furniture and fixtures.....	186	193	1,888	1,519,488	1,727	1,229,367	2,338,227	52	830	525,419
251	Household furniture.....	177	180	1,837	1,467,862	1,681	1,194,026	2,204,748	49	822	511,629
2511	Wood house furniture, exc. upholst.....	152	161	1,443	1,071,122	1,343	926,263	1,467,032	39	610	316,782
2512	Household furniture, upholstered.....	7	6	93	(d)	86	(d)	(d)	...	...	...
2514	Metal house furniture, exc. upholst.....	4	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2515	Mattresses and bedsprings.....	13	9	266	276,398	222	177,318	510,808	9	(d)	(d)
2519	Household furniture, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2521	Wood office furniture.....	4	4	28	(d)	28	(d)	(d)	1	(d)	(d)
2541	Partitions and fixtures.....	3	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
256	Screens, shades, and blinds.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2561	Window and door screens.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2563	Venetian blinds.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
26	Paper and allied products.....	5	1	294	352,212	258	262,931	824,590	1	(d)	(d)
2613	Building-paper and building board.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2661	Paper bags.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2671	Paperboard boxes.....	3	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
27	Printing and publishing industries	77	63	1,459	2,215,555	975	1,265,527	3,669,707	59	653	1,047,119
2711	Newspapers.....	4	...	753	(d)	361	(d)	(d)	9	189	(d)
2721	Periodicals.....	3	...	63	(d)	54	(d)	(d)	7	60	(d)
2732	Book printing.....	...	...	...	...	...	...	...	1	(d)	(d)
2751	Commercial printing.....	62	54	594	(d)	520	(d)	(d)	40	393	(d)
2761	Lithographing.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2782	Blankbook making and paper ruling.....	3	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
2793	Photoengraving.....	4	4	20	(d)	17	(d)	(d)	1	(d)	(d)

For footnotes, see end of table.

Table 3A.--GENERAL STATISTICS BY INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Industry group and industry code		1949						1939 ¹			
		Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture ²	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
No.	Title										
	28 Chemicals and allied products.....	49	21	1,268	\$1,510,042	1,011	\$883,763	\$4,394,233	39	400	\$980,923
2819	Inorganic chemicals, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
283	Drugs and medicines.....	21	(d)	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
2831	Biological products.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2834	Pharmaceutical preparations...	20	6	209	230,639	149	95,641	542,035	13	(d)	(d)
2841	Soap and glycerin.....	1	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
2851	Paints and varnishes.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
2872	Fertilizers (mixing only).....	7	5	504	658,590	428	402,184	2,730,966	7	197	634,482
2884	Vegetable oil mills, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
289	Miscellaneous chemical products.	17	8	384	409,421	289	238,271	822,374	16	92	181,077
2893	Toilet preparations.....	1	(d)	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
2896	Compressed and liquefied gases	6	1	239	354,134	153	187,109	715,505	2	(d)	(d)
2897	Insecticides and fungicides...	3	3	7	3,285	7	3,285	12,219	...	...	...
2898	Salt.....	7	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
30	Rubber products.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3099	Rubber industries, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
31	Leather and leather products.....	22	12	911	610,519	859	446,127	925,340	15	79	64,274
3111	Leather tanning and finishing...	1	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
314	Footwear (except rubber).....	12	10	413	(d)	396	(d)	(d)	9	33	(d)
3141	Footwear, except rubber.....	7	6	286	(d)	270	(d)	(d)	9	33	(d)
3142	House slippers.....	5	4	127	(d)	126	(d)	(d)	...	...	...
3161	Luggage.....	2	(d)	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
317	Handbags and small leather goods	7	1	389	246,453	367	172,424	380,031	...	...	...
3171	Handbags and purses.....	5	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3172	Small leather goods.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3192	Saddlery, harness, and whips....	...	...	...	...	...	...	...	1	(d)	(d)
32	Stone, clay, and glass products...	87	82	2,562	3,096,899	2,224	2,161,786	6,353,331	23	254	247,825
322	Pressed and blown glassware.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3221	Glass containers.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3229	Pressed and blown glassware, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3231	Products of purchased glass.....	3	2	21	20,575	17	15,455	38,350	...	...	...
3241	Cement, hydraulic.....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
325	Structural clay products.....	18	12	715	723,963	654	548,375	1,034,402	12	155	155,536
3251	Brick and hollow tile.....	1	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
3253	Floor and wall tile.....	13	(d)	(d)	(d)	(d)	(d)	(d)	9	(d)	(d)
3254	Sewer pipe.....	...	...	...	...	...	...	...	1	(d)	(d)
3259	Structural clay products, n.e.c.....	4	4	28	16,290	28	16,290	24,670	...	...	...
326	Pottery and related products....	5	4	366	(d)	326	(d)	(d)	...	...	...
3262	Vitreous-china food utensils..	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3269	Pottery products, n.e.c.....	4	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
327	Concrete and plaster products...	48	55	397	(d)	356	(d)	(d)	5	(d)	(d)
3271	Concrete products.....	42	50	317	268,097	281	193,218	497,707	...	...	...
3274	Lime.....	6	5	80	(d)	75	(d)	(d)	5	(d)	(d)
3281	Cut-stone and stone products....	7	6	46	71,365	44	66,365	183,253	3	9	3,919
329	Misc. nonmetallic mineral products.....	2	(d)	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
3295	Minerals: ground and treated.	1	(d)	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
3298	Statuary and art goods.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
33	Primary metal industries.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3312	Steel works and rolling mills...	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...

For footnotes, see end of table.

Table 3A.--GENERAL STATISTICS BY INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Industry group and industry code		1949							1939 ¹		
		Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture ²	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
				Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
No.	Title										
34	Fabricated metal products.....	33	32	310	\$338,132	290	\$291,985	\$710,227	10	49	\$62,987
3411	Tin cans and other tinware.....	1	(d)	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
3439	Heating and cooking apparatus, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
344	Structural metal products.....	24	22	194	255,045	187	220,881	537,898	6	29	28,813
3441	Structural and ornamental products.....	15	17	123	153,219	122	151,219	251,466	3	(d)	(d)
3442	Metal doors, sash, and trim...	3	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3444	Sheet-metal work.....	6	(d)	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
346	Metal stamping and coating.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3463	Metal stampings.....	...	...	...	...	...	...	...	1	(d)	(d)
3468	Plating and polishing.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3499	Fabricated metal products, n.e.c.	6	6	68	(d)	65	(d)	(d)	...	...	...
35	Machinery (except electrical)....	13	9	617	948,802	517	669,827	1,351,598	7	477	659,945
3522	Farm machinery (except tractors)	6	4	86	132,800	74	85,070	217,359	3	30	(d)
3543	Cutting tools, jigs, fixtures, etc.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3551	Food-products machinery.....	1	(d)	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
3585	Refrigerators, refrigeration machinery, and complete air-conditioning units.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3599	Machine shops.....	4	4	170	(d)	147	(d)	(d)	2	(d)	(d)
36	Electrical machinery.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3663	Phonograph records.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
37	Transportation equipment.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3713	Truck and bus bodies.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
38	Instruments and related products..	2	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3842	Surgical appliances and supplies	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3851	Ophthalmic goods.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3871	Watches and clocks.....	...	...	...	...	...	...	...	1	(d)	(d)
39	Miscellaneous manufactures.....	44	26	2,389	1,591,468	2,230	1,274,651	2,450,892	12	574	618,711
391	Jewelry and silverware.....	7	2	382	319,739	345	233,516	405,776	1	(d)	(d)
3911	Jewelry (precious metal).....	2	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3913	Lapidary work.....	5	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3949	Sporting and athletic goods.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3953	Hand stamps and stencils.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
396	Costume jewelry and notions.....	16	6	1,595	951,179	1,497	787,891	1,393,143	2	(d)	(d)
3961	Costume jewelry.....	5	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3962	Artificial flowers.....	5	1	629	374,798	600	343,545	380,033	...	...	...
3963	Buttons.....	5	2	572	469,683	509	347,363	863,437	2	(d)	(d)
3964	Needles and pins and fasteners	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3971	Plastic products, n.e.c.....	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
399	Miscellaneous manufactures.....	18	17	306	(d)	287	(d)	(d)	9	210	(d)
3981	Brooms and brushes.....	4	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...
3983	Matches.....	...	...	...	...	...	...	...	1	(d)	(d)
3988	Morticians' goods.....	8	8	13	10,134	13	10,134	20,427	6	8	10,296
3993	Signs and advertising displays	4	6	19	19,741	17	17,241	32,944	1	(d)	(d)
3994	Hair work.....	1	(d)	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
3999	Miscellaneous products, n.e.c.	1	(d)	(d)	(d)	(d)	(d)	(d)	...	...	...

^dWithheld to avoid disclosing figures for individual companies.¹Published data for 1939 have been retabulated to provide industry statistics comparable with those for 1949.²Value added by manufacture is computed by subtracting the costs of materials and supplies, fuels, electric energy, and contract work from value of products.³Comparable statistics for 1939 are not available. Figures for 1949 include statistics for the activities of (1) coffee roasting and grinding and (2) tobacco stemming and redrying, which were classified as manufacturing in 1949 but considered nonmanufacturing in 1939. The 1939 statistics for "All Industries," for Food and Kindred Products, for Food preparations, n.e.c. (of which Coffee roasting and grinding is a part in 1949), and for Tobacco Manufactures are compared, therefore, with 1949 figures for which the totals for these two activities have been excluded.⁴This figure may include an undetermined amount of excise taxes.

Table 3B.--SELECTED STATISTICS, BY SELECTED INDUSTRIES¹: 1949 AND 1939
(For explanation of column captions, see GENERAL EXPLANATIONS)

No.	Industry Title	1949		1939	
		Cost of materials and contract work	Value of products sold	Cost of materials and contract work	Value of products sold
2022	Natural cheese.....	\$329,356	\$375,860	\$36,795	\$48,958
2024	Ice cream and ices.....	770,633	1,374,882	43,584	70,927
2033	Canning and preserving, except fish.....	2,015,886	2,839,544	139,261	244,264
2035	Pickles and sauces.....	70,530	153,151	...	...
2051	Bread and other bakery products.....	5,716,192	8,860,377	1,614,956	2,636,533
2052	Biscuit, crackers, and pretzels.....	1,448,988	2,233,275	238,159	431,240
2061	Raw cane sugar.....	95,425,821	127,654,253	38,880,800	55,377,402
2062	Cane-sugar refining.....	23,102,967	² 26,579,011	10,340,938	12,510,477
2072	Chocolate and cocoa products.....	420,251	748,916	(d)	(d)
2081	Bottled soft drinks.....	3,026,795	4,999,846	(d)	(d)
2082	Malt liquors.....	3,632,304	6,051,679	(d)	(d)
2085	Distilled liquors, except brandy.....	6,015,994	² 9,867,904	2,481,392	4,117,297
2097	Manufactured ice.....	388,788	1,029,163	118,697	500,765
2098	Macaroni and spaghetti.....	1,027,925	1,328,288	(d)	(d)
2099	Food preparations, n.e.c.....	4,707,430	5,410,809	(²)	(²)
2121	Cigars.....	848,618	1,783,662	(d)	(d)
2131	Chewing and smoking tobacco.....	82,109	123,675	15,873	27,210
2141	Tobacco stemming and redrying.....	8,431,070	14,197,616	(³)	(³)
2311	Men's and boys' suits and coats.....	1,132,896	1,993,483	1,021,445	1,730,736
2321	Men's dress shirts and nightwear.....	1,440,659	2,221,224	479,194	784,149
2327	Separate trousers.....	1,903,951	2,823,593	544,306	804,414
2329	Men's and boys' clothing, n.e.c.....	345,418	477,793	(d)	(d)
2331	Blouses and waists.....	316,491	813,152	(d)	(d)
2388	Handkerchiefs.....	2,489,775	4,519,417	(d)	(d)
2392	Housefurnishings, n.e.c.....	283,786	461,146	755,883	1,157,910
2394	Canvas products.....	95,818	176,155	(d)	(d)
2431	Millwork plants.....	534,757	1,124,012	(d)	(d)
2499	Wood products, n.e.c.....	14,728	28,170	(d)	(d)
2511	Wood house furniture, except upholstered.....	1,648,498	3,115,530	303,214	619,996
2515	Mattresses and bedsprings.....	1,198,992	1,709,800	(d)	(d)
2834	Pharmaceutical preparations.....	793,726	1,335,761	(d)	(d)
2872	Fertilizers (mixing only).....	10,480,145	13,211,111	3,053,761	3,688,243
2896	Compressed and liquefied gases.....	578,276	1,293,781	(d)	(d)
2897	Insecticides and fungicides.....	20,079	32,298	...	...
3231	Products of purchased glass.....	58,850	97,200	...	...
3259	Structural clay products, n.e.c.....	17,880	42,550	...	...
3271	Concrete products.....	559,128	1,056,835	...	...
3281	Cut-stone and stone products.....	91,396	274,649	3,859	7,778
3441	Structural and ornamental products.....	170,152	421,618	(d)	(d)
3522	Farm machinery (except tractors).....	361,922	579,281	(d)	(d)
3962	Artificial flowers.....	136,680	516,713	...	...
3963	Buttons.....	19,183	39,610	6,439	16,735
		26,733	59,677	(d)	(d)
				3988	Morticians' goods.....
				3993	Signs and advertising displays...

res for individual companies.

for which "Value added by manufacture" are shown in table 3A and which contain little or no dup-
value of products shipped figures. (See section on "Duplication in Cost of Materials and Value
anations.)

rmained amount of excise taxes.

t available.

¹Withheld to avoid disclosing figures.
²Includes those 4-digit industries
location in their cost of materials and
of Products Shipped" in the General Exp.
³This figure may include an undeter-
⁴Comparable 1939 statistics are no-

Table 4.—GENERAL STATISTICS FOR MAJOR INDUSTRY GROUPS, BY TYPE OF OWNERSHIP: 1949 AND 1939

(For explanation of column captions see GENERAL EXPLANATIONS)

Major industry group and type of ownership	1949							1939		
	Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
All industries, total..	1,998	1,821	55,137	\$49,204,864	47,735	\$35,735,826	\$93,420,523	798	23,484	\$35,218,868
Individual.....	1,500	1,500	15,417	9,233,537	13,576	7,696,171	14,120,432	489	4,405	4,506,165
Partnership.....	121	321	4,170	3,206,426	3,772	2,502,652	6,795,731	163	6,042	8,377,469
Corporation.....	315	...	27,846	29,381,094	23,311	19,583,889	58,529,549	137	11,734	18,996,918
Other ¹	62	...	7,704	7,383,807	7,076	5,953,114	13,974,811	9	1,303	3,338,316
20 Food and kindred products ²	526	473	23,243	25,515,547	19,615	18,251,093	52,432,434	379	12,996	22,997,076
Individual.....	329	329	2,651	2,173,704	2,088	1,698,280	3,550,256	228	1,434	1,372,886
Partnership.....	51	144	1,870	1,806,087	1,624	1,332,355	4,304,253	92	3,354	5,709,948
Corporation.....	114	...	12,956	15,078,029	10,677	10,030,847	33,658,706	52	6,953	12,842,430
Other ¹	32	...	5,766	6,457,727	5,226	5,189,611	10,919,219	7	1,255	3,071,812
21 Tobacco manufactures ³	626	609	7,116	3,403,384	6,732	2,955,802	6,743,156	47	445	289,140
Individual.....	589	589	3,481	1,474,456	3,245	1,369,437	1,872,125	43	230	(d)
Partnership.....	10	20	773	(d)	737	(d)	(d)	2	(d)	(d)
Corporation.....	11	...	1,266	722,854	1,214	566,133	1,134,430	2	(d)	(d)
Other ¹	16	...	1,596	(d)	1,536	(d)	(d)	...	...	...
23 Apparel and related products.....	263	244	10,805	6,463,938	9,361	4,933,257	9,251,203	135	6,307	7,284,938
Individual.....	186	186	5,631	3,188,145	4,798	2,510,702	4,681,860	73	1,728	2,209,283
Partnership.....	20	58	1,137	671,183	1,067	551,728	1,100,434	25	(d)	(d)
Corporation.....	50	...	3,766	2,510,678	3,240	1,785,340	3,355,304	35	2,594	2,986,496
Other ¹	7	...	271	93,932	256	85,487	113,605	2	(d)	(d)
24 Lumber and wood products (except furniture).....	51	53	327	302,438	313	244,982	611,147	13	119	133,781
Individual.....	41	41	178	(d)	175	(d)	(d)	9	68	(d)
Partnership.....	6	12	(d)	23,655	(d)	21,870	29,964	2	(d)	(d)
Corporation.....	3	...	119	(d)	109	(d)	(d)	2	(d)	(d)
Other ¹	1	...	(d)	(d)	(d)	(d)	(d)	...	...	...
25 Furniture and fixtures....	186	193	1,888	1,519,488	1,727	1,229,367	2,338,227	52	830	525,419
Individual.....	155	155	1,240	856,379	1,171	758,003	1,311,453	34	352	183,474
Partnership.....	15	38	(d)	(d)	(d)	(d)	(d)	14	259	(d)
Corporation.....	15	...	430	494,799	354	331,426	752,850	4	219	(d)
Other ¹	1	...	(d)	(d)	(d)	(d)	(d)	...	...	...
27 Printing and publishing industries.....	77	63	1,459	2,215,555	975	1,265,527	3,669,707	59	653	1,047,119
Individual.....	56	56	272	222,535	240	189,023	402,817	33	(d)	(d)
Partnership.....	3	7	(d)	(d)	(d)	(d)	(d)	13	(d)	(d)
Corporation.....	16	...	1,169	1,974,355	720	1,060,699	3,225,890	13	355	780,176
Other ¹	2	...	(d)	(d)	(d)	(d)	(d)	...	...	...
28 Chemicals and allied products.....	49	21	1,268	1,510,042	1,011	883,763	4,394,233	39	400	980,923
Individual.....	16	16	(d)	(d)	(d)	(d)	(d)	17	116	(d)
Partnership.....	1	5	(d)	(d)	(d)	(d)	(d)	8	39	(d)
Corporation.....	31	...	1,118	1,410,174	897	811,392	4,088,542	14	245	706,517
Other ¹	1	...	(d)	(d)	(d)	(d)	(d)	...	...	...
31 Leather and leather products.....	22	12	911	610,519	859	446,127	925,340	15	79	64,274
Individual.....	12	12	(d)	(d)	(d)	(d)	(d)	14	(d)	(d)
Partnership.....	...	...	...	...	...	...	...	1	(d)	(d)
Corporation.....	9	...	786	515,063	744	378,152	796,221	...	...	...
Other ¹	1	...	(d)	(d)	(d)	(d)	(d)	...	...	...
32 Stone clay, and glass products.....	87	82	2,562	3,096,899	2,224	2,161,786	6,353,331	23	254	247,825
Individual.....	58	58	436	359,575	412	322,840	561,476	19	178	136,787
Partnership.....	9	24	(d)	(d)	(d)	(d)	(d)	1	(d)	(d)
Corporation.....	19	...	2,036	2,674,685	1,737	1,799,818	5,705,557	3	(d)	(d)
Other ¹	1	...	(d)	(d)	(d)	(d)	(d)	...	...	...
34 Fabricated metal products.	33	32	310	338,132	290	291,985	710,227	10	49	62,987
Individual.....	26	26	242	240,411	232	228,224	442,209	8	(d)	(d)
Partnership.....	3	6	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Corporation.....	4	...	(d)	(d)	(d)	(d)	(d)	...	...	...
Other ¹	...	...	...	...	...	...	...	...	...	...

For footnotes, see end of table.

Table 4.--GENERAL STATISTICS FOR MAJOR INDUSTRY GROUPS, BY TYPE OF OWNERSHIP: 1949 AND 1939--Continued

(For explanation of column captions see GENERAL EXPLANATIONS)

Major industry group and type of ownership	1949							1939		
	Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
35 Machinery (except electrical).....	13	9	617	\$948,802	517	\$669,827	\$1,351,598	7	477	\$659,945
Individual.....	6	6	(d)	(d)	(d)	(d)	(d)	3	(d)	(d)
Partnership.....	1	3	(d)	(d)	(d)	(d)	(d)	2	(d)	(d)
Corporation.....	6	...	518	828,728	431	566,057	1,191,961	2	(d)	(d)
Other ¹	...	...	...	...	...	...	...	...	...	...
39 Miscellaneous manufactures	44	26	2,389	1,591,468	2,230	1,274,651	2,450,892	12	574	618,711
Individual.....	22	22	(d)	(d)	(d)	(d)	(d)	7	(d)	(d)
Partnership.....	2	4	(d)	(d)	(d)	(d)	(d)	...	...	...
Corporation.....	20	...	1,761	1,338,496	1,621	1,049,880	1,911,793	5	(d)	(d)
Other ¹	...	...	...	...	...	...	...	...	...	...
All other major industry groups ⁴	21	4	2,242	1,688,652	1,881	1,127,659	2,189,028	7	301	306,730
Individual.....	4	4	376	105,184	363	87,718	119,007	1	(d)	(d)
Partnership.....	...	...	...	...	...	...	...	1	(d)	(d)
Corporation.....	17	...	1,866	1,583,468	1,518	1,039,941	2,070,021	5	(d)	(d)
Other ¹	...	...	...	...	...	...	...	...	...	...

^dWithheld to avoid disclosing figures for individual companies.¹Includes cooperatives, establishments operated by estate administrators, trusteeships, receiverships, and public and quasi-public organizations.²Figures for 1949 include data for coffee roasting and grinding activities, which were not covered by the 1939 Census of Manufactures. The 19 establishments included in 1949 employed 89 production workers, accounted for \$611,074 value added by manufacture, and were distributed by type of ownership, as follows: Individual, 14; partnership, 3; and other, 2.³Figures for 1949 include data for Tobacco stemming and redrying activities which were not covered by the 1939 Census of Manufactures. The 42 establishments covered in 1949 employed 5,634 production workers, accounted for \$5,766,546 value added by manufacture, and were distributed by type of ownership as follows: Individual, 20; Partnership, 5; Corporation, 6; and Other, 11.⁴The industry groups included, and the distribution of establishments by type of ownership, are as follows:

	Individual		Partnership		Corporation	
	1949	1939	1949	1939	1949	1939
22 Textile mill products.....	2	...	...	1	8	2
26 Paper and allied products.....	1	...	...	...	4	1
30 Rubber products.....	...	1	...	...	1	...
33 Primary metal industries.....	...	...	...	...	1	...
36 Electrical machinery.....	...	...	...	...	1	...
37 Transportation equipment.....	...	...	...	...	1	1
38 Instruments and related products.....	1	...	...	...	1	1

Table 5.--GENERAL STATISTICS BY EMPLOYMENT SIZE GROUPS: 1949

(For explanation of column captions see GENERAL EXPLANATIONS)

Employment size group	Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total	
All establishments, total.....	1,998	1,821	55,137	\$49,204,864	47,735	\$35,735,826	\$93,420,523
Establishments with:							
Fewer than 5 employees.....	981	994	1,439	778,882	1,372	740,161	1,775,645
5 to 9 employees.....	318	323	2,107	1,616,650	1,813	1,285,127	2,840,625
10 to 19 employees.....	248	234	3,386	2,670,125	2,836	2,015,982	4,889,583
20 to 49 employees.....	199	138	6,006	5,130,169	4,938	3,473,555	10,824,913
50 to 99 employees.....	114	64	8,012	6,374,927	6,846	4,217,153	12,038,321
100 to 249 employees.....	95	55	15,019	12,072,308	13,011	8,818,186	22,803,401
250 to 499 employees.....	34	13	12,189	13,069,528	10,603	9,389,225	27,111,285
500 or more employees.....	9	0	6,979	7,492,275	6,316	5,796,437	11,136,750

Table 6.--GENERAL STATISTICS BY VALUE-ADDED-BY-MANUFACTURE SIZE GROUPS: 1949 AND 1939¹

(For explanation of column captions, see GENERAL EXPLANATIONS)

Value-added-by-manufacture size group	1949							1939		
	Number of establishments	Number of proprietors and partners	All employees		Production workers		Value added by manufacture	Number of establishments	Number of production workers (average for the year)	Value added by manufacture
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
All establishments, total.....	1,998	1,821	55,137	\$49,204,864	47,735	\$35,735,826	\$93,420,523	798	23,484	\$35,218,868
Establishments with value added of:										
Less than \$5,000.....	1,042	1,040	3,890	1,687,376	3,447	1,371,844	1,481,006	389	2,135	936,554
\$5,000 to \$9,999.....	272	278	2,798	1,752,960	2,509	1,404,840	1,966,453	119	1,026	847,474
\$10,000 to \$19,999...	203	194	2,841	1,928,723	2,472	1,564,224	2,822,633	89	1,379	1,230,229
\$20,000 to \$49,999...	201	169	7,081	4,475,993	6,078	3,345,906	6,499,227	70	1,775	2,222,634
\$50,000 to \$99,999...	116	67	7,743	5,136,223	6,751	3,634,974	7,901,997	55	3,207	3,864,632
\$100,000 to \$199,999.	65	36	5,536	5,208,101	4,574	3,553,787	9,168,128	30	3,144	4,260,704
\$200,000 to \$499,999.	51	25	8,219	7,219,304	7,070	5,205,433	14,518,365	32	5,261	10,504,156
\$500,000 to \$999,999.	30	10	8,920	10,943,976	7,831	8,144,919	22,050,311	11	2,773	7,538,873
\$1,000,000 and over..	18	2	8,109	10,852,208	7,003	7,509,899	27,012,403	3	2,784	3,813,612

¹Figures for 1949 are not strictly comparable with those for 1939, as they include data for coffee roasting and tobacco stemming and redrying activities which in 1939 were considered nonmanufacturing. The 61 establishments engaged in these two activities in 1949 employed 5,723 production workers and accounted for \$6,377,620 value added by manufacture. Their distribution, by value-added-by-manufacture size classes is as follows: Less than \$5,000: 15; \$5,000 to \$9,999: 5; \$10,000 to \$19,999: 6; \$20,000 to \$49,999: 11; \$50,000 to \$99,999: 6; \$100,000 to \$199,999: 2; \$200,000 to \$499,999: 14; \$500,000 to \$999,999: 2.

(The aggregate values for individual groups of products or for all products are not shown because of the duplication that arises from the use of some products as materials in the manufacture of others. See statement in GENERAL EXPLANATIONS on duplication between costs of materials and value of products sold.)

Product	Value, wherever made ¹	Product	Value, wherever made ¹
Food and kindred products:		Paper and allied products:	
Cheese, natural.....	\$210,860	Paperboard, paper bags, paperboard boxes and containers, stationery and supplies, etc.....	1,993,161
Ice cream and ices.....	1,317,835	Printing and publishing:	
Canned fruits, fruit juices, and vegetables; jams, jellies, preserves, etc.....	2,885,904	Newspapers and periodicals.....	4,501,340
Pickles and sauces.....	153,151	Commercial printing.....	1,655,781
Bread.....	7,178,641	Blankbooks, calendars, photoengraving, and miscellaneous publishing.....	205,316
Cakes, pies, cookies, and pastries.....	1,609,807	Chemicals and allied products:	
Biscuits, crackers, and pretzels.....	2,147,670	Pharmaceutical preparations and ampules.....	933,253
Cane sugar, raw.....	124,438,258	Rubbing alcohol.....	493,505
Cane sugar, refined ²	26,626,388	Fertilizers.....	12,568,312
Cane syrup and blackstrap molasses.....	2,476,803	Compressed and liquefied gases.....	1,272,557
		Insecticides.....	25,720
Candy and other confections.....	843,642	Salt.....	119,280
Chocolate and cocoa products.....	685,483	Other chemicals and chemical products, including inorganic chemicals, soap and glycerin, cleaning and polishing preparations, paints, perfumes, etc.....	882,126
Soft drinks and carbonated water, bottled.....	5,151,989	Leather and leather products:	
Malt and malt liquors.....	5,988,759	Tanned and curried leather, leather suitcases, portfolios, bags, etc.....	232,161
Wines.....	497,720	Ladies handbags and purses.....	203,935
Liquors, distilled, rectified, and blended ²	9,484,509	Shoes, house slippers, leather wallets, and other leather goods.....	1,176,780
Manufactured ice.....	939,306	Stone, clay, and glass products:	
Macaroni and spaghetti.....	1,142,400	Structural clay products and cement.....	7,083,321
Roasted coffee.....	5,104,829	Concrete building blocks and other concrete products.....	1,961,981
Other food products.....	914,514	Lime.....	186,628
Tobacco manufactures:		Pottery.....	21,410
Cigars and cigarettes.....	1,789,129	Glass products, chinaware, monuments and tombstones, and other stone products.....	3,117,817
Chewing and smoking tobacco and snuff.....	99,322	Fabricated metal products:	
Tobacco, stemmed and redried.....	14,139,719	Iron railings and other structural and ornamental products	239,493
Textile mill products:		Metal court doors, window sash, etc., and sheet metal work.	586,801
Yarn, hosiery, cloth, rugs, and carpets, straw hats, etc..	1,845,005	Tinware, sanitary ware, heating and cooking apparatus, electroplating, and miscellaneous fabricated metal products.....	245,971
Apparel and related products:		Machinery (except electrical):	
Men's and boys' suits and coats.....	1,997,689	Agricultural machinery, except tractors.....	319,279
Men's and boys' shirts and nightwear.....	2,446,316	Machinery and equipment parts, precision tools, machining, etc.....	869,134
Separate trousers.....	2,489,240	Miscellaneous manufactures:	
Men's and boys' underwear, cloth hats and caps, work shirts, and miscellaneous clothing.....	1,066,742	Jewelry and lapidary work.....	504,937
Women's and children's blouses and waists.....	537,951	Buttons.....	1,403,281
Women's and misses' dresses, robes, slacks and shorts, raincoats, and miscellaneous apparel.....	249,398	Costume jewelry, artificial flowers, and notions.....	276,286
Women's underwear, brassieres, etc.....	1,329,843	Morticians' goods.....	39,110
Children's and infants' dresses and other outerwear.....	630,794	Signs and advertising displays.....	57,677
Fabric and combination dress gloves and work gloves.....	1,500,819	Other miscellaneous manufactures, including rubber stamps, brooms and brushes, hair work, plastics, etc.....	691,238
Handkerchiefs.....	744,257	All other products:	
Housefurnishings: Pillows, pillow cases, mosquito nets, canvas products, and other miscellaneous fabricated textile products.....	615,375	Rebuilt tires, fabricated iron and steel products, truck bodies, phonograph records, surgical appliances and supplies, sun glasses, etc.....	1,364,489
Lumber and wood products, except furniture:			
Doors, windows, and other millwork products.....	1,189,773		
Sawmill and planing-mill products and wooden fruit and vegetable baskets.....	15,504		
Miscellaneous wood products.....	22,364		
Furniture and fixtures:			
Wood household furniture, except upholstered.....	2,922,891		
Wood furniture, upholstered.....	278,458		
Mattresses and bedsprings.....	1,593,787		
Metal beds.....	179,581		
Office, restaurant, church, and public building furniture.	62,978		
Show cases.....	21,647		
Window shades, venetian blinds, and miscellaneous furniture and equipment.....	244,531		

¹The amounts shown in the table represent the value of products made from materials owned by the reporting establishments. In addition, establishments making products from materials owned by others reported receipts for this contract work as follows:

Women's and children's blouses and waists.....	\$609,123
Women's and misses' dresses, and miscellaneous apparel.....	166,961
Women's underwear, brassieres, etc.....	923,945
Children's and infants' dresses and other outerwear.....	588,173
Fabric and combination dress and work gloves.....	3,353,175
Handkerchiefs.....	3,787,760
Housefurnishings: Pillows, pillow cases, and miscellaneous fabricated textile products.....	336,654
Costume jewelry, artificial flowers, and notions.....	490,957
Other products.....	593,625

Most of this contract work is believed to have been performed for principals not included in the Puerto Rican Census. Other receipts, totaling \$4,219,818, were reported for such miscellaneous nonmanufacturing activities as repair work, sale of scrap, and retail and wholesale sales.

²This figure may include an undetermined amount of excise taxes.

Table 2.--SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT, FOR INDUSTRY GROUPS AND SELECTED INDUSTRIES: 1949

(For explanation of line captions, see GENERAL EXPLANATIONS. Figures for any size class which cannot be shown without disclosing information for individual companies have been combined with figures for an adjacent size class. A ^d appears in the column where the figure has been withheld and the combined figure is underscored. As a result, whenever size class figures for industry groups appear underscored, or the symbol ^d has been substituted, the figures for the industry groups will not add to the Puerto Rico total for that size class. For the smaller size classes, the relation of value added by manufacture to employment may provide a misleading measure of labor productivity because of the fact that in unincorporated firms a substantial contribution to value added is made by proprietors and partners, who often spend a considerable amount of their time doing production work but are not counted as employees.)

No.	Industry Title	All establish- ments	Establishments with--						
			Less than 5 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250 or more employees
	All industries, total								
	Number of establishments.....	1,998	981	318	248	199	114	95	43
	Number of employees.....	55,137	1,439	2,107	3,386	6,006	8,012	15,019	19,168
	Value added by manufacture.....	\$93,420,523	\$1,775,645	\$2,840,625	\$4,889,583	\$10,824,913	\$12,038,321	\$22,803,401	\$38,248,035
20	Food and kindred products								
	Number of establishments.....	526	146	148	97	59	25	25	26
	Number of employees.....	23,243	319	1,006	1,273	1,753	1,763	4,062	13,067
	Value added by manufacture.....	\$52,432,434	\$498,966	\$1,394,533	\$1,762,464	\$4,365,079	\$4,392,671	\$10,403,654	\$29,615,067
202	Dairy products								
	Number of establishments.....	31	15	10	1	3	2	...	...
	Number of employees.....	311	27	64	(d)	(d)	220	...	...
	Value added by manufacture.....	\$650,753	\$35,938	\$94,833	(d)	(d)	\$519,982	...	...
203	Canning, preserving and freezing								
	Number of establishments.....	23	7	4	3	4	1	3	1
	Number of employees.....	1,159	(d)	43	(d)	(d)	196	920	(d)
	Value added by manufacture.....	\$906,279	(d)	\$92,016	(d)	(d)	\$321,027	\$493,236	(d)
205	Bakery products								
	Number of establishments.....	277	92	100	63	16	4	2	...
	Number of employees.....	2,750	221	680	805	488	556	(d)	...
	Value added by manufacture.....	\$3,928,472	\$337,689	\$883,867	\$967,867	\$869,255	\$869,794	(d)	...
206	Sugar								
	Number of establishments.....	41	...	1	...	...	4	15	21
	Number of employees.....	14,241	...	(d)	...	...	271	2,546	11,424
	Value added by manufacture.....	\$35,704,476	...	(d)	...	...	\$1,621,824	\$7,805,626	\$26,277,026
208	Beverages								
	Number of establishments.....	73	7	13	13	24	10	3	3
	Number of employees.....	3,174	20	92	187	692	762	(d)	1,421
	Value added by manufacture.....	\$8,526,538	\$62,819	\$155,695	\$420,324	\$1,834,736	\$1,410,391	(d)	\$4,642,573
2081	Bottled soft drinks								
	Number of establishments.....	33	3	7	7	12	3	1	...
	Number of employees.....	863	10	51	106	325	371	(d)	...
	Value added by manufacture.....	\$1,973,051	\$16,003	\$110,805	\$199,786	\$774,169	\$872,288	(d)	...
209	Miscellaneous food preparations								
	Number of establishments.....	68	23	16	16	9	2	2	...
	Number of employees.....	1,085	38	104	943	(d)	(d)	(d)	...
	Value added by manufacture.....	\$1,659,289	\$45,989	\$162,577	\$1,450,723	(d)	(d)	(d)	...
2097	Manufactured ice								
	Number of establishments.....	29	6	6	11	4	1	1	...
	Number of employees.....	515	13	39	140	323	(d)	(d)	...
	Value added by manufacture.....	\$640,375	\$15,606	\$58,557	\$185,812	\$380,400	(d)	(d)	...
21	Tobacco manufactures								
	Number of establishments.....	626	537	36	10	10	11	17	5
	Number of employees.....	7,116	527	213	141	311	862	3,049	2,013
	Value added by manufacture.....	\$6,743,156	\$444,545	\$145,521	\$480,408	\$647,218	\$1,856,174	\$2,395,814	\$773,476
212	Cigars								
	Number of establishments.....	577	533	33	5	4	1	1	...
	Number of employees.....	1,097	520	(d)	272	305	(d)	(d)	...
	Value added by manufacture.....	\$935,044	\$422,217	(d)	\$168,224	\$344,603	(d)	(d)	...
22	Textile mill products								
	Number of establishments.....	10	1	2	...	...	3	1	3
	Number of employees.....	1,450	(d)	(d)	...	...	196	1,254	(d)
	Value added by manufacture.....	\$606,505	(d)	(d)	...	...	\$189,789	\$416,716	(d)
23	Apparel and related products								
	Number of establishments.....	263	44	35	45	63	45	30	1
	Number of employees.....	10,805	87	234	680	1,993	3,089	4,722	(d)
	Value added by manufacture.....	\$9,251,203	\$193,078	\$333,510	\$770,250	\$1,813,136	\$2,293,027	\$3,848,202	(d)
231	Men's and boy's suits and coats								
	Number of establishments.....	11	3	1	3	...	1	3	...
	Number of employees.....	684	9	(d)	50	...	625	(d)	...
	Value added by manufacture.....	\$860,587	\$15,858	(d)	\$68,603	...	\$776,126	(d)	...

For footnotes, see end of table.

Table 2.--SELECTED STATISTICS, BY SIZE OF ESTABLISHMENT, FOR INDUSTRY GROUPS AND SELECTED INDUSTRIES: 1949--Continued

No.	Industry Title	All establish- ments	Establishments with--						250 or more employees
			Less than 5 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	
23	Apparel and related products--Continued								
232	Men's and boys' furnishings								
	Number of establishments.....	68	6	15	13	16	15	3	...
	Number of employees.....	2,216	11	100	196	527	997	385	...
	Value added by manufacture.....	\$1,993,224	\$13,275	\$159,946	\$121,181	\$400,607	\$735,185	\$563,030	...
2321	Men's dress shirts and nightwear								
	Number of establishments.....	17	2	2	3	4	4	2	...
	Number of employees.....	741	(d)	15	(d)	171	(d)	555	...
	Value added by manufacture.....	\$780,565	(d)	\$16,594	(d)	\$114,106	(d)	\$649,865	...
2327	Separate trousers								
	Number of establishments.....	35	1	9	6	11	7	1	...
	Number of employees.....	1,058	(d)	63	83	369	543	(d)	...
	Value added by manufacture.....	\$919,642	(d)	\$124,370	\$52,734	\$270,024	\$472,514	(d)	...
233	Women's and misses' outerwear								
	Number of establishments.....	33	12	2	2	9	5	3	...
	Number of employees.....	1,149	24	(d)	46	308	359	412	...
	Value added by manufacture.....	\$700,709	\$30,081	(d)	\$52,567	\$257,542	\$185,596	\$174,923	...
234	Women's and children's undergarments								
	Number of establishments.....	31	4	4	7	9	3	3	1
	Number of employees.....	1,401	7	28	111	251	(d)	1,004	(d)
	Value added by manufacture.....	\$1,076,466	\$6,581	\$18,625	\$51,081	\$168,022	(d)	\$832,157	(d)
236	Children's outerwear								
	Number of establishments.....	27	3	4	6	8	4	2	...
	Number of employees.....	946	(d)	40	82	824	(d)	(d)	...
	Value added by manufacture.....	\$710,795	(d)	\$16,795	\$73,579	\$620,421	(d)	(d)	...
238	Miscellaneous apparel and accessories								
	Number of establishments.....	74	11	6	8	20	16	13	...
	Number of employees.....	3,828	16	36	115	613	1,154	1,894	...
	Value added by manufacture.....	\$3,485,325	\$75,336	\$103,662	\$284,497	\$1,002,789	\$670,342	\$1,348,699	...
2388	Handkerchiefs								
	Number of establishments.....	45	6	1	4	13	14	7	...
	Number of employees.....	2,453	17	(d)	64	421	965	986	...
	Value added by manufacture.....	\$2,029,642	\$22,584	(d)	\$52,856	\$525,922	\$648,698	\$779,582	...
24	Lumber and wood products (except furniture)								
	Number of establishments.....	51	37	6	4	3	1	...	...
	Number of employees.....	327	79	32	(d)	216	(d)	...	...
	Value added by manufacture.....	\$611,147	\$92,547	\$36,536	(d)	\$482,064	(d)	...	...
25	Furniture and fixtures								
	Number of establishments.....	186	86	40	33	22	5	...	...
	Number of employees.....	1,888	168	276	443	640	361	...	...
	Value added by manufacture.....	\$2,338,227	\$206,931	\$346,761	\$454,600	\$850,454	\$479,481	...	...
251	Household furniture								
	Number of establishments.....	177	82	37	31	22	5	...	...
	Number of employees.....	1,837	162	(d)	674	640	361	...	...
	Value added by manufacture.....	\$2,204,748	\$192,539	(d)	\$682,274	\$850,454	\$479,481	...	...
2511	Wood house furniture								
	Number of establishments.....	152	76	28	28	17	3	...	...
	Number of employees.....	1,443	150	188	373	732	(d)	...	...
	Value added by manufacture.....	\$1,467,032	\$177,396	\$194,200	\$334,700	\$760,736	(d)	...	...
27	Printing and publishing industries								
	Number of establishments.....	77	37	17	13	3	3	3	1
	Number of employees.....	1,459	67	108	162	115	189	818	(d)
	Value added by manufacture.....	\$3,669,707	\$105,191	\$167,181	\$246,481	\$223,092	\$454,409	\$2,473,353	(d)
28	Chemicals and allied products								
	Number of establishments.....	49	10	10	13	9	3	4	...
	Number of employees.....	1,268	22	73	176	429	(d)	568	...
	Value added by manufacture.....	\$4,394,233	\$37,071	\$199,152	\$386,121	\$1,903,348	(d)	\$1,868,541	...
32	Stone, clay, and glass products								
	Number of establishments.....	87	46	6	13	14	3	1	4
	Number of employees.....	2,562	104	41	170	(d)	(d)	(d)	2,247
	Value added by manufacture.....	\$6,353,331	\$102,485	\$51,881	\$269,080	(d)	(d)	(d)	\$5,929,882
34	Fabricated metal products								
	Number of establishments.....	33	13	9	7	3	1	...	...
	Number of employees.....	310	28	53	85	144	(d)	...	...
	Value added by manufacture.....	\$710,227	\$39,141	\$74,130	\$183,395	\$413,361	(d)	...	...
35	Machinery, except electrical								
	Number of establishments.....	13	1	1	5	4	...	1	1
	Number of employees.....	617	(d)	(d)	90	527	...	(d)	(d)
	Value added by manufacture.....	\$1,351,598	(d)	(d)	\$166,471	\$1,185,127	...	(d)	(d)
39	Miscellaneous manufactures								
	Number of establishments.....	44	14	6	2	3	11	8	...
	Number of employees.....	2,389	26	(d)	71	98	832	1,362	...
	Value added by manufacture.....	\$2,450,892	\$41,203	(d)	\$67,200	\$202,634	\$802,128	\$1,337,727	...
	All other major industry groups ¹								
	Number of establishments.....	33	9	2	6	6	3	5	2
	Number of employees.....	1,703	25	(d)	87	148	175	1,268	(d)
	Value added by manufacture.....	\$2,507,863	\$32,363	(d)	\$105,945	\$180,020	\$162,671	\$2,026,864	(d)

¹Includes the following major industry groups which were combined to avoid disclosing figures for individual companies: Group 26, Paper and allied products; Group 30, Rubber products; Group 31, Leather and leather products; Group 33, Primary metal industries; Group 36, Electrical machinery; Group 37, Transportation equipment; and Group 38, Instruments and related products.

Table 3.--EXPENDITURES FOR PLANT AND EQUIPMENT, BY INDUSTRY GROUPS: 1949

(All establishments in five selected industries, as well as all other establishments on the Census mailing list believed to have 50 or more employees, were requested to report expenditures for plant and equipment. The first two columns of the table below provide a measure of the importance of establishments which reported on expenditures. The second column includes figures for establishments reporting that no expenditures for plant and equipment were made in 1949. See also GENERAL EXPLANATIONS -- "Expenditures for Plant and Equipment.")

No.	Industry Title	Value added by manufacture		Expenditures for new plant and equipment			Expenditures for used plant and equipment
		For all establish- ments in industry group	For estab- lishments reporting expenditures for plant and equipment	Total	New structures and additions to plant	New machinery and equipment	
	All industries, total ¹	\$93,420,523	\$76,590,421	\$16,586,475	\$4,025,130	\$12,561,345	\$4,945,984
20	Food and kindred products.....	52,432,434	45,300,125	12,551,541	2,956,401	9,595,140	4,686,318
203	Canning, preserving, and freezing.....	906,279	619,616	388,827	172,293	216,534	3,000
205	Bakery products.....	3,928,472	1,001,082	179,539	19,988	159,551	228,569
206	Sugar.....	35,704,476	35,704,288	8,933,958	1,990,367	6,943,591	4,149,316
208	Beverages.....	8,526,538	6,772,419	2,621,262	573,753	2,047,509	278,440
21	Tobacco manufactures.....	6,743,156	5,986,657	74,301	32,369	41,932	9,969
22	Textile mill products.....	606,505	605,785	326,531	...	326,531	...
23	Apparel and related products.....	9,251,203	7,041,812	424,418	37,537	386,881	52,603
231	Men's and boys' suits and coats.	860,587	776,126	15,262	...	15,262	...
232	Men's and boys' furnishings.....	1,993,224	1,255,989	81,941	900	81,041	556
233	Women's and misses' outerwear...	700,709	604,293	41,231	12,000	29,231	8,353
234	Women's and children's under- garments.....	1,076,466	915,429	41,959	3,300	38,659	38,906
238	Miscellaneous apparel and accessories.....	3,485,325	2,865,260	187,684	21,337	166,347	4,788
25	Furniture and fixtures.....	2,338,227	688,748	151,926	35,679	116,247	250
251	Household furniture.....	2,204,748	688,748	151,926	35,679	116,247	250
27	Printing and publishing.....	3,669,707	2,002,719	97,842	16,246	81,596	...
28	Chemical and allied products.....	4,394,233	3,693,328	574,823	441,554	133,269	1,500
32	Stone, clay, and glass products...	6,353,331	5,583,181	1,603,993	143,828	1,460,165	180,000
39	Miscellaneous manufactures.....	2,450,892	2,084,075	199,553	101,279	98,274	10,344
396	Costume jewelry and notions.....	1,393,143	1,251,989	56,148	920	55,228	...
	All other major industry groups ² ..	5,180,835	3,603,991	581,547	260,237	321,310	5,000

¹In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) are not shown. They are included, however, in the appropriate major industry group (2-digit) lines and the "All Industries" line.

²Combined to avoid disclosure of figures for individual companies. The following major industry groups are included: 24, Lumber and wood products; 26, Paper and allied products; 30, Rubber products; 31, Leather and leather products; 33, Primary metal industries; 34, Fabricated metal products; 35, Machinery (except electrical); 36, Electrical Machinery; 37, Transportation equipment; and 38, Instruments and related products.

Table 4.—MANUFACTURERS INVENTORIES, BY INDUSTRY GROUPS AND SELECTED INDUSTRIES: 1949

(All establishments in five selected industries, as well as all other establishments on the Census mailing list believed to have 50 or more employees, were requested to report inventories. The first two columns of the table provide a measure of the importance of establishments which reported on inventories. See also GENERAL EXPLANATIONS -- "Inventories.")

No.	Industry Title	Value added by manufacture		Beginning of the year			End of the year		
		For all establish- ments in industry	For establish- ments reporting inventories	Total inven- tories	Finished products	Materials, supplies, work in process, etc.	Total inven- tories	Finished products	Materials, supplies, work in process, etc.
	All industries, total.....	\$93,420,523	\$76,590,421	\$56,707,166	\$22,334,948	\$34,372,218	\$51,868,667	\$19,031,183	\$32,837,484
20	Food and kindred products.....	52,432,434	45,300,125	36,588,886	10,468,525	26,120,361	35,701,461	11,431,460	24,270,001
203	Canning, preserving, and freezing.....	906,279	619,616	733,079	544,346	188,733	1,459,140	1,286,164	172,976
205	Bakery products.....	3,928,472	1,001,082	398,214	76,477	321,737	370,103	109,660	260,443
206	Sugar.....	35,704,476	35,704,288	17,966,656	6,242,260	11,724,396	17,084,873	6,267,043	10,817,830
208	Beverages.....	8,526,538	6,772,419	17,158,130	3,488,512	13,669,618	16,421,166	3,620,023	12,801,143
2081	Bottled soft drinks.....	1,973,051	801,981	369,821	23,698	346,123	313,458	23,760	289,698
2085	Distilled liquors, except brandy.....	3,851,910	3,505,312	15,639,396	3,383,843	12,255,553	15,179,515	3,433,041	11,746,474
209	Miscellaneous food preparations.	1,659,289	616,484	227,031	46,026	181,005	202,680	44,530	158,150
2098	Macaroni and spaghetti.....	300,363	242,564	74,031	14,886	59,145	75,948	12,277	63,671
21	Tobacco manufactures.....	6,743,156	5,986,657	10,748,585	9,922,417	826,168	4,741,991	4,472,913	269,078
2141	Tobacco stemming and redrying.	5,766,546	5,724,480	10,529,610	9,881,496	648,114	4,540,375	4,417,266	123,109
22	Textile mill products.....	606,505	605,785	272,061	127,215	144,846	403,316	118,879	284,437
23	Apparel and related products.....	9,251,203	7,041,812	1,918,924	556,212	1,362,712	2,697,675	1,423,784	1,273,891
2311	Men's and boys' suits and coats.....	860,587	776,126	737,822	176,775	561,047	824,328	355,671	468,657
232	Men's and boys' furnishings.....	1,993,224	1,255,989	644,484	294,531	349,953	902,452	523,808	378,644
2321	Men's dress shirts and night- wear.....	780,565	649,865	370,752	163,160	207,592	385,659	164,253	221,406
2327	Separate trousers.....	919,642	430,288	215,533	91,205	124,328	270,227	132,666	137,561
233	Women's and misses' outerwear...	700,709	604,293	55,518	23,473	32,045	167,144	124,154	42,990
238	Miscellaneous apparel and accessories.....	3,485,325	2,865,260	295,793	46,997	248,796	706,899	408,895	298,004
2388	Handkerchiefs.....	2,029,642	1,679,970	95,733	31,217	64,516	391,415	321,062	70,353
25	Furniture and fixtures.....	2,338,227	688,748	479,016	275,543	203,473	486,089	278,656	207,433
251	Household furniture.....	2,204,748	688,748	479,016	275,543	203,473	486,089	278,656	207,433
2515	Mattresses and bedsprings.....	510,808	380,011	344,796	223,831	120,965	248,033	164,926	83,107
27	Printing and publishing.....	3,669,707	2,002,719	473,708	775	472,933	447,310	550	446,760
28	Chemicals and allied products.....	4,394,233	3,693,328	1,503,066	302,462	1,200,604	1,259,827	249,415	1,010,412
287	Fertilizers.....	2,730,966	2,730,966	963,136	84,433	878,703	916,290	96,962	819,328
31	Leather and leather products.....	925,340	705,273	298,855	21,313	277,542	265,455	3,972	261,483
32	Stone, clay, and glass products...	6,353,331	5,583,181	2,054,140	427,883	1,626,257	3,201,950	811,244	2,390,706
39	Miscellaneous manufactures.....	2,450,892	2,084,075	480,435	107,381	373,054	548,558	105,935	442,623
396	Costume jewelry and notions.....	1,393,143	1,251,989	410,505	95,788	314,717	365,463	90,696	274,767
3963	Buttons.....	863,437	857,687	373,933	80,756	293,177	316,812	74,686	242,126
	All other major industry groups ² ..	4,255,495	2,898,718	1,889,490	125,222	1,764,268	2,115,035	134,375	1,980,660

¹In order to avoid disclosing figures for individual companies, the statistics for some industry groups (3-digit) and industries (4-digit) are not shown. They are included, however, in the appropriate major industry groups (2-digit) lines and the "All Industries" line.

²Combined to avoid disclosing figures for individual companies. Includes the following major industry groups: 24, Lumber and wood products; 26, Paper and allied products; 30, Rubber products; 33, Primary metal industries; 34, Fabricated metal products; 35, Machinery (except electrical); 36, Electrical machinery; 37, Transportation equipment; and 38, Instruments and related products.

Table 5.--NUMBER OF PRODUCTION WORKERS IN FOUR SELECTED MONTHS, BY INDUSTRY GROUPS AND SELECTED INDUSTRIES: 1949

No.	Industry Title	Production workers (average for the year)	Number of production workers reported for pay period ending nearest 15th of:			
			February	May	August	November
	ALL INDUSTRIES, TOTAL ¹	47,735	49,790	51,066	43,774	45,887
20	Food and kindred products.....	19,615	23,763	25,448	14,808	14,251
202	Dairy products.....	166	133	168	172	168
2022	Natural cheese.....	31	29	30	32	31
2024	Ice cream and ices.....	135	104	138	140	137
203	Canning, preserving, and freezing.....	872	1,084	1,195	744	456
2033	Canning and preserving, except fish.....	851	1,079	1,178	703	433
2035	Pickles and sauces.....	21	5	17	41	23
205	Bakery products.....	2,275	2,183	2,272	2,263	2,345
2051	Bread and other bakery products.....	1,839	1,764	1,820	1,851	1,887
2052	Biscuit, crackers, and pretzels.....	436	419	452	412	458
206	Sugar.....	12,900	16,793	18,652	8,224	7,932
2061	Raw cane sugar.....	12,280	15,910	17,574	7,994	7,644
2062	Cane-sugar refining.....	620	883	1,078	230	288
207	Confectionery and related products.....	399	507	327	334	422
2071	Confectionery products.....	301	357	238	241	366
2072	Chocolate and cocoa products.....	98	150	89	93	56
208	Beverages.....	2,287	2,357	2,123	2,261	2,304
2081	Bottled soft drinks.....	428	426	433	429	410
2082	Malt liquors.....	637	622	611	639	673
2084	Wines and brandy.....	52	47	42	62	57
2085	Distilled liquors, except brandy.....	1,170	1,262	1,037	1,131	1,164
209	Miscellaneous food preparations.....	675	673	676	776	562
2097	Manufactured ice.....	241	241	244	242	235
2098	Macaroni and spaghetti.....	171	160	174	173	174
2099	Food preparations, n.e.c.....	249	255	244	348	140
21	Tobacco manufactures.....	6,732	5,552	4,743	7,664	8,920
2121	Cigars.....	1,024	937	1,057	966	995
2131	Chewing and smoking tobacco.....	74	28	39	84	138
2141	Tobacco stemming and redrying.....	5,634	4,587	3,647	6,614	7,787
22	Textile mill products.....	1,273	1,074	1,244	1,321	1,453
2251	Full-fashioned hosiery mills.....	124	89	105	139	163
227	Carpets and rugs.....	438	438	438	438	438
23	Apparel and related products.....	9,361	9,206	8,910	9,068	10,285
2311	Men's and boys' suits and coats.....	642	626	685	597	660
232	Men's and boys' furnishings.....	2,006	1,875	1,976	2,016	2,128
2321	Men's dress shirts and nightwear.....	657	583	663	660	718
2322	Men's and boys' underwear.....	74	74	72	80	62
2325	Men's and boys' cloth hats and caps.....	63	65	58	65	62
2327	Separate trousers.....	978	901	958	974	1,064
2329	Men's and boys' clothing, n.e.c.....	234	252	225	237	222
233	Women's and misses' outerwear.....	1,068	1,048	738	1,235	1,239
2331	Blouses and waists.....	700	718	602	759	712
234	Women's and children's undergarments.....	1,300	1,262	1,253	1,232	1,438
236	Children's outerwear.....	894	914	813	858	985
238	Miscellaneous apparel and accessories.....	2,989	3,019	2,901	2,728	3,404
2388	Handkerchiefs.....	2,118	1,890	1,970	1,972	2,638
2392	Housefurnishings, n.e.c.....	306	295	344	286	297
2394	Canvas products.....	37	34	37	35	40
24	Lumber and wood products (except furniture).....	313	286	317	307	324
2431	Millwork plants.....	286	270	297	274	292
2499	Wood products, n.e.c.....	17	7	9	24	24
25	Furniture and fixtures.....	1,727	1,642	1,671	1,715	1,781
251	Household furniture.....	1,681	1,603	1,623	1,667	1,733
2511	Wood house furniture, except upholstered.....	1,343	1,277	1,291	1,328	1,384
2512	Household furniture, upholstered.....	86	80	81	83	96
2515	Mattresses and bedsprings.....	222	221	223	224	218
2521	Wood office furniture.....	28	28	28	28	27
26	Paper and allied products.....	258	320	242	259	214

For footnotes, see end of table.

Table 5.--NUMBER OF PRODUCTION WORKERS IN FOUR SELECTED MONTHS, BY INDUSTRY GROUPS AND SELECTED INDUSTRIES: 1949--Continued

Industry		Production workers (average for the year)	Number of production workers reported for pay period ending nearest 15th of:			
No.	Title		February	May	August	November
27	Printing and publishing industries.....	975	961	969	974	974
2711	Newspapers.....	361	369	362	354	356
2721	Periodicals.....	54	53	52	58	52
2751	Commercial printing.....	520	499	515	524	527
2793	Photoengraving.....	17	17	17	17	17
28	Chemicals and allied products.....	1,011	920	1,074	1,078	962
2834	Pharmaceutical preparations.....	149	150	144	147	150
2872	Fertilizers (mixing only).....	428	335	469	528	374
289	Miscellaneous chemical products.....	289	293	327	241	296
2896	Compressed and liquefied gases.....	153	154	156	146	155
2897	Insecticides and fungicides.....	7	7	7	7	7
31	Leather and leather products.....	859	652	848	1,066	864
314	Footwear (except rubber).....	396	315	429	538	301
3141	Footwear, except rubber.....	270	272	308	340	158
3142	House slippers.....	126	43	121	198	143
317	Handbags and small leather goods.....	367	264	330	412	457
32	Stone, clay, and glass products.....	2,224	2,184	2,281	2,221	2,186
3231	Products of purchased glass.....	17	17	17	17	17
325	Structural clay products.....	654	659	648	650	651
3259	Structural clay products, n.e.c.....	28	25	29	25	29
326	Pottery and related products.....	326	249	310	349	393
327	Concrete and plaster products.....	356	398	360	316	346
3271	Concrete products.....	281	279	291	285	265
3274	Lime.....	75	119	69	31	81
3281	Cut-stone and stone products.....	44	44	50	40	38
34	Fabricated metal products.....	290	288	282	288	297
344	Structural metal products.....	187	181	185	186	193
3441	Structural and ornamental products.....	122	123	121	121	121
3499	Fabricated metal products, n.e.c.....	65	67	61	61	70
35	Machinery (except electrical).....	517	523	516	506	514
3522	Farm machinery (except tractors).....	74	74	73	70	73
3599	Machine shops.....	147	153	152	144	138
39	Miscellaneous manufactures.....	2,230	2,036	2,115	2,215	2,547
391	Jewelry and silverware.....	345	306	237	399	434
396	Costume jewelry and notions.....	1,497	1,398	1,506	1,433	1,648
3962	Artificial flowers.....	600	584	661	546	608
3963	Buttons.....	509	507	481	496	550
399	Miscellaneous manufactures.....	287	233	283	297	337
3988	Morticians' goods.....	13	9	11	13	17
3993	Signs and advertising displays.....	17	16	19	17	18
	Other major industry groups ²	350	383	406	284	315

¹In order to avoid disclosing figures for individual companies, the statistics for some industries (4-digit) and industry groups (3-digit) are not shown. They are included, however, in the appropriate major industry group (2-digit) lines and the "All Industries" line.

²Includes the following major industry groups which were withheld to avoid disclosing figures for individual companies: Group 30 - Rubber Products; Group 33 - Primary Metal Industries; Group 36 - Electrical Machinery; Group 37 - Transportation Equipment; Group 38 - Instruments and related products.

Table 6.--DISTRIBUTION OF ESTABLISHMENTS, BY VALUE ADDED BY MANUFACTURE SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939

No.	Industry	Total Number of establish- ments		Number of establishments with value added by manufacture of:																	
				Less than \$5,000		\$5,000 to \$9,999		\$10,000 to \$19,999		\$20,000 to \$49,999		\$50,000 to \$99,999		\$100,000 to \$199,999		\$200,000 to \$499,999		\$500,000 to \$999,999		\$1,000,000 or more	
		1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939
	All industries, total.....	1,998	(1)	1,042	(1)	272	(1)	203	(1)	201	(1)	116	(1)	65	(1)	51	(1)	30	(1)	18	(1)
	All industries (excluding coffee roasting and tobacco stemming and redrying), total.....	1,937	798	1,027	389	267	119	197	89	190	70	110	55	63	30	37	32	28	11	18	3
20	Food and kindred products.....	526	(2)	161	(2)	109	(2)	85	(2)	64	(2)	28	(2)	26	(2)	17	(2)	21	(2)	15	(2)
	Food and kindred products, excluding coffee roasting.....	507	379	151	199	106	60	83	40	62	19	28	14	25	12	16	22	21	10	15	3
2013	Prepared meats.....	2	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
202	Dairy products.....	31	9	18	6	3	2	3	1	4	...	1	...	1	...	1	...	...	...	...	...
2022	Natural cheese.....	4	3	1	1	1	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...
2024	Ice cream and ices.....	27	6	17	5	2	...	2	1	3	...	1	...	1	...	1	...	...	...	...	...
203	Canning, preserving, and freezing....	23	7	8	2	3	...	3	2	1	3	5	...	2	...	1	...	...	...	...	...
2033	Canning and preserving, except fish	19	7	8	2	2	...	1	2	1	3	4	...	2	...	1	...	...	...	...	...
2035	Pickles and sauces.....	4	...	...	...	1	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...
204	Grain-mill products.....	1	5	...	4	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...
2041	Flour and meal.....	...	5	...	4	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
2042	Prepared animal feeds.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
205	Bakery products.....	277	219	91	152	86	40	58	20	30	5	3	2	9	...	...	...	...	...	...	...
2051	Bread and other bakery products....	265	212	88	149	83	40	57	18	30	5	3	...	4	...	...	...	...	...	...	...
2052	Biscuit, crackers, and pretzels.....	12	7	3	3	3	...	1	2	...	...	...	2	5	...	...	...	...	...	...	...
206	Sugar.....	41	44	1	...	...	...	...	...	...	...	4	2	9	8	18	16	10	14	3	...
2061	Raw cane sugar.....	36	40	1	...	...	...	...	...	...	...	4	1	8	7	17	14	9	13	2	...
2062	Cane-sugar refining.....	5	4	...	...	...	...	...	...	...	...	...	1	1	1	1	2	1	1	1	...
207	Confectionery and related products...	10	6	3	4	2	...	...	...	...	...	3	...	1	...	1	...	...	...	...	...
2071	Confectionery products.....	6	5	3	4	1	1	...	...	...	...	1	...	...	1	...	...	...	...	...	...
2072	Chocolate and cocoa products.....	4	1	...	1	1	...	...	...	...	...	2	...	1	...	...	...	...	...	...	...
208	Beverages.....	73	53	12	17	6	10	6	9	18	7	14	3	7	3	4	4	5	...	1	...
2081	Bottled soft drinks.....	33	10	6	5	3	2	2	2	11	...	6	1	4	...	...	...	1	...	...	...
2082	Malt liquors.....	4	2	...	...	1	...	...	...	...	...	...	...	...	...	...	2	2	...	1	...
2084	Wines and brandy.....	5	4	2	2	...	2	...	...	2	...	...	1	...	...	...	...	...	...	...	...
2085	Distilled liquors, except brandy...	31	37	4	10	2	6	4	7	5	7	8	2	2	3	4	2	...	...	...	...
209	Miscellaneous food preparations.....	68	(2)	27	(2)	9	(2)	15	(2)	10	(2)	2	(2)	4	(2)	1	(2)	...	(2)	...	(2)
	Miscellaneous food preparations, excluding coffee roasting.....	49	36	17	14	6	6	13	7	8	4	2	5	3	...	...	...	...	...	...	...
2092	Shortening and cooking oils.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2095	Flavorings.....	3	2	2	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2097	Manufactured ice.....	29	25	9	8	2	6	9	6	6	2	1	3	2	...	...	...	...	...	...	...
2098	Macaroni and spaghetti.....	10	8	2	4	2	...	3	1	2	1	...	2	1	...	1	(2)	...	(2)	...	(2)
2099	Food preparations, n.e.c.....	25	(2)	13	(2)	4	(2)	3	(2)	2	(2)	1	(2)	1	(2)	1	(2)	...	(2)	...	(2)
	Food preparations, n.e.c., exclud- ing coffee roasting.....	6	1	3	...	1	...	1	...	...	1	1	...	...	...	...	...	...	...	...	...
21	Tobacco manufactures.....	626	(2)	569	(2)	12	(2)	8	(2)	13	(2)	7	(2)	2	(2)	13	(2)	2	(2)	...	(2)
	Tobacco manufactures, excluding tobacco stemming and redrying.....	584	47	564	39	10	6	4	...	4	...	1	1	1	1	...	...	...	...	...	...
2111	Cigarettes.....	...	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...
2121	Cigars.....	577	41	561	34	7	6	3	...	4	...	1	1	1	...	...	...	...	...	...	...
2131	Chewing and smoking tobacco.....	7	5	3	5	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
2141	Tobacco stemming and redrying.....	42	(2)	5	(2)	2	(2)	4	(2)	9	(2)	6	(2)	1	(2)	13	(2)	2	(2)	...	(2)
22	Textile mill products.....	10	3	4	1	...	...	...	...	2	1	2	1	1	...	1	...	...	...	...	...
2221	Yarn mills.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2231	Broad-woven fabric mills (cotton, silk, and synthetic fiber).....	2	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
2251	Full-fashioned hosiery mills.....	3	1	1	...	...	...	...	...	2	...	...	1	...	...	...	...	...	...	...	...
227	Carpets and rugs.....	3	2	1	1	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...
2271	Wool carpets, rugs, and carpet yarn	2	1	...	...	...	...	...	...	...	1	...	...	1	...	1	...	...	...	...	...
2273	Carpets and rugs, n.e.c.....	1	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2283	Straw hats.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
23	Apparel and related products.....	263	135	65	26	41	9	38	24	59	35	41	23	13	11	6	6	...	1	...	...
2311	Men's and boys' suits and coats.....	11	5	2	1	3	...	...	...	2	...	1	2	1	1	2	1	...	...	...	...
232	Men's and boys' furnishings.....	68	36	19	12	12	5	9	9	16	5	8	3	3	2	1	...	...	...	...	...
2321	Men's dress shirts and nightwear...	17	9	3	1	4	1	1	3	5	2	2	1	1	1	1	...	...	...	...	...
2322	Men's and boys' underwear.....	7	1	3	...	2	...	2	...	...	1	...	...	...	...	...	...	...	...	...	...
2325	Men's and boys' cloth hats and caps	3	7	1	3	...	1	1	1	...	...	1	1	...	1	...	...	...	...	...	...
2327	Separate trousers.....	35	18	9	8	6	2	5	5	9	2	4	1	2	...	...	...	...	...	...	...
2329	Men's and boys' clothing, n.e.c....	6	1	3	...	1	...	...	2	...	...	1	...	...	...	...	...	...	...	...	...
233	Women's and misses' outerwear.....	33	15	11	5	6	...	4	5	5	1	7	2	...	2	...	...	...	...	...	...
2331	Blouses and waists.....	18	7	2	5	4	...	3	...	4	1	5	...	...	1	...	...	...	...	...	...
2333	Dresses, unit price.....	14	8	9	...	2	...	1	5	1	...	1	2	...	1	...	...	...	...	...	...
2339	Women's outerwear, n.e.c.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
234	Women's and children's undergarments.	31	25	9	3	6	1	6	5	4	9	3	3	2	1	1	2	...	1	...	...
2341	Women's and children's underwear...	29	25	9	3	6	1	5	5	4	9	3	3	1	1	1	2	...	1	...	...
2342	Corsets and allied garments.....	2	...	...	...	...	...	1	...	...	...	...	...	1	...	...	...	...	...	...	...

For footnotes, see end of table.

Table 6.—DISTRIBUTION OF ESTABLISHMENTS, BY VALUE ADDED BY MANUFACTURE SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939—Continued

No.	Industry	Total number of establish- ments		Number of establishments with value added by manufacture of:																	
				Less than \$5,000		\$5,000 to \$9,999		\$10,000 to \$19,999		\$20,000 to \$49,000		\$50,000 to \$99,999		\$100,000 to \$199,999		\$200,000 to \$499,999		\$500,000 to \$999,999		\$1,000,000 or more	
		1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939
23	Apparel and related products--Continued																				
236	Children's outerwear.....	27	11	7	2	5	1	6	1	4	3	4	1	1	1	...	2	...	...	...	...
2361	Children's dresses.....	26	11	7	2	4	1	6	1	4	3	4	1	1	1	...	2	...	...	...	...
2369	Children's outerwear, n.e.c.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2371	Fur goods.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
238	Miscellaneous apparel and accessories.....	74	32	13	2	5	1	10	2	22	15	17	8	5	3	2	1	...	...	...	...
2381	Fabric and combination dress gloves.....	28	1	4	...	1	...	6	...	7	...	6	...	4	1	...	...	...	...	...	...
2382	Fabric and combination work gloves.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2388	Handkerchiefs.....	45	31	8	2	4	1	4	2	15	15	11	8	1	2	2	1	...	...	...	...
239	Miscellaneous fabricated textiles.....	18	11	4	1	4	1	3	2	5	2	1	4	1	1	...	...	...	...	...	...
2391	Curtains and draperies.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2392	Housefurnishings, n.e.c.....	8	8	1	...	2	1	2	1	2	2	1	3	...	1	...	...	...	...	...	...
2394	Canvas products.....	6	1	2	1	1	...	1	...	2	...	...	...	...	...	...	...	...	...	...	...
2398	Embroideries, except Schiffli machine.....	1	2	1	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...
2399	Fabricated textile products, n.e.c.....	2	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
24	Lumber and wood products (except furniture).....	51	13	36	9	9	2	2	1	2	...	...	1	1	...	1	...	...	...	...	...
2421	Sawmills and planing mills general (2421, 2423, 2426).....	3	1	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2431	Millwork plants.....	43	11	29	7	8	2	2	1	2	...	...	1	1	...	1	...	...	...	...	...
244	Wooden containers.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2441	Fruit and vegetable baskets.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2444	Wooden boxes (except cigar boxes).....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2499	Wood products, n.e.c.....	3	1	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25	Furniture and fixtures.....	186	52	86	29	48	11	21	4	19	6	10	1	2	1	...	...	...	...	...	...
251	Household furniture.....	177	49	83	27	45	10	19	4	19	6	9	1	2	1	...	...	...	...	...	...
2511	Wood house furniture, except upholstered.....	152	39	76	22	37	9	18	3	15	4	6	1	...	...	...	...	...	...	...	...
2512	Household furniture, upholstered.....	7	...	2	...	2	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...
2514	Metal house furniture except upholstered.....	4	1	1	...	2	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...
2515	Mattresses and bedsprings.....	13	9	3	5	4	1	1	1	2	1	1	...	2	1	...	...	...	...	...	...
2519	Household furniture, n.e.c.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2521	Wood office furniture.....	4	1	1	...	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...
2541	Partitions and fixtures.....	3	2	2	2	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
256	Screens, shades and blinds.....	2	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...
2561	Window and door screens.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
2563	Venetian blinds.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
26	Paper and allied products.....	5	1	1	...	...	...	2	...	...	...	1	...	...	1	...	...	1	...	...	...
2613	Building-paper and board.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2661	Paper bags.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
2671	Paperboard boxes.....	3	1	...	...	...	...	2	...	...	...	...	...	...	1	...	...	1	...	...	...
27	Printing and publishing industries.....	77	59	33	34	16	9	13	7	5	4	3	4	2	...	3	1	1	...	1	...
2711	Newspapers.....	4	9	...	2	...	1	...	2	1	2	...	1	...	...	1	1	1	...	1	...
2721	Periodicals.....	3	7	1	5	1	...	...	1	...	...	...	1	1	...	...	...	...	...	...	...
2732	Book printing.....	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2751	Commercial printing.....	62	40	29	25	14	8	12	3	2	2	2	2	1	...	2	...	...	...	...	...
2761	Lithographing.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2782	Blankbook making and paper ruling.....	3	1	...	1	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...
2793	Photoengraving.....	4	1	2	...	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...
28	Chemicals and allied products.....	49	39	8	15	7	9	9	6	11	3	5	4	3	1	4	1	2	...	...	...
2819	Inorganic chemicals, n.e.c.....	1	1	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
283	Drugs and medicines.....	21	13	2	6	3	5	6	2	8	...	1	...	1	...	...	...	...	...	...	...
2831	Biological products.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
2834	Pharmaceutical preparations.....	20	13	2	6	3	5	6	2	7	...	1	...	1	...	...	...	...	...	...	...
2841	Soap and glycerin.....	1	2	...	1	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...
2851	Paints and varnishes.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
2872	Fertilizers.....	7	7	...	...	...	...	...	1	...	2	2	2	...	1	3	1	2	...	...	...
2884	Vegetable oil mills, n.e.c.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
289	Miscellaneous chemical products.....	17	16	5	8	4	3	2	3	2	1	2	1	1	...	1	...	...	...	...	...
2893	Toilet preparations.....	1	13	1	7	...	3	...	2	...	1	...	...	...	...	...	...	...	...	...	...
2896	Compressed and liquefied gases.....	6	2	...	...	1	...	...	1	1	...	2	1	1	...	1	...	...	...	...	...
2897	Insecticides and fungicides.....	3	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2898	Salt.....	7	1	2	1	2	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...
30	Rubber products.....	1	1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
3099	Rubber industries, n.e.c.....	1	1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...
31	Leather and leather products.....	22	15	10	13	1	...	3	1	2	1	4	...	1	...	1	...	...	...	...	...
3111	Leather tanning and finishing.....	1	2	...	1	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...
314	Footwear (except rubber).....	12	9	9	9	1	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...
3141	Footwear, except rubber.....	7	9	5	9	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
3142	House slippers.....	5	...	4	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
3161	Luggage.....	2	3	...	2	...	...	...	1	1	...	1	...	...	...	...	...	...	...	...	...

For footnotes, see end of table.

Table 6.—DISTRIBUTION OF ESTABLISHMENTS, BY VALUE ADDED BY MANUFACTURE SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949 AND 1939—Continued

Industry		Total number of establishments		Number of establishments with value added by manufacture of:																	
				Less than \$5,000		\$5,000 to \$9,999		\$10,000 to \$19,999		\$20,000 to \$49,999		\$50,000 to \$99,999		\$100,000 to \$199,999		\$200,000 to \$499,999		\$500,000 to \$999,999		\$1,000,000 or more	
No.	Title	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939	1949	1939
31	Leather and leather products—Continued																				
317	Handbags and purses.....	7	...	1	...	...	...	3	...	...	...	2	...	1	...	...	...	...	...	...	...
3171	Handbags and purses.....	5	...	1	...	...	...	3	...	...	...	1	...	...	...	...	...	...	...	...	...
3172	Small leather goods.....	2	...	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...	...	...
3192	Saddlery, harness, and whips.....	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
32	Stone, clay, and glass products.....	87	23	45	13	11	6	10	2	8	...	4	2	5	...	1	...	1	...	2	...
322	Pressed and blown glassware.....	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
3221	Glass containers.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
3229	Pressed and blown glassware, n.e.c.	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3231	Products of purchased glass.....	3	...	...	...	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3241	Cement, hydraulic.....	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	1	...
325	Structural clay products.....	18	12	3	4	1	5	6	2	3	...	2	1	2	...	1	...	...	...	...	...
3251	Brick and hollow tile.....	1	2	...	1	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...
3253	Floor and wall tile.....	13	9	1	3	...	4	5	2	3	...	2	...	2	...	...	...	...	...	...	...
3254	Sewer pipe.....	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
3259	Structural clay products, n.e.c....	4	...	2	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
326	Pottery and related products.....	5	...	4	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3262	Vitreous-china food utensils.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3269	Pottery products, n.e.c.....	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
327	Concrete and plaster products.....	48	5	34	3	5	1	3	...	2	...	2	1	2	...	...	...	...	...	...	...
3271	Concrete products.....	42	...	31	...	5	...	1	...	2	...	2	...	1	...	...	...	...	...	...	...
3274	Lime.....	6	5	3	3	...	1	2	...	...	...	...	1	1	...	...	...	...	...	...	...
3281	Cut-stone and stone products.....	7	3	3	3	2	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
329	Misc. nonmetallic-mineral products...	2	3	1	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
3295	Minerals: ground and treated.....	1	3	...	3	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
3298	Statuary and art goods.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
33	Primary metal industries.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
3312	Steel works and rolling mills.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...
34	Fabricated metal products.....	33	10	11	3	9	6	5	1	4	...	2	...	2	...	...	...	...	...	...	...
3411	Tin cans and other tinware.....	1	3	...	1	...	1	1	1	...	...	...	...	...	...	...	...	...	...	...	...
3439	Heating and cooking apparatus.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
344	Structural metal products.....	24	6	8	2	7	4	4	...	3	...	...	...	2	...	...	...	...	...	...	...
3441	Structural ornamental products.....	15	3	5	1	6	2	2	...	1	...	...	...	1	...	...	...	...	...	...	...
3442	Metal doors, sash, and trim.....	3	...	...	...	...	...	1	...	1	...	...	...	1	...	...	...	...	...	...	...
3444	Sheet-metal works.....	6	3	3	1	1	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...
346	Metal stamping, coating, and engraving	1	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3463	Stamped and pressed metal products, (except automobile stampings).....	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3468	Electroplating, plating and polishing.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3499	Fabricated metal products, n.e.c.....	6	...	2	...	2	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...
35	Machinery (except electrical).....	13	7	1	2	1	...	3	1	4	1	2	1	1	1	...	1	1	...	...	...
3522	Farm machinery (except tractors).....	6	3	1	2	...	...	2	1	1	...	2	...	...	...	...	...	...	...	...	...
3543	Cutting tools, jigs, fixtures, etc....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3551	Food-products machinery.....	1	2	...	...	...	...	...	...	...	...	...	...	...	1	...	1	1	...	...	...
3585	Refrigerators, refrigeration machinery, and complete air-conditioning units.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3599	Machine shops.....	4	2	...	...	...	...	1	...	2	1	...	1	1	...	...	...	...	...	...	...
36	Electrical machinery.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3663	Phonograph records.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
37	Transportation equipment.....	1	1	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
3713	Truck and bus bodies.....	1	1	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...	...	...	...
38	Instruments and related products.....	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
3842	Surgical appliances and supplies.....	1	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
3851	Ophthalmic goods.....	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
3871	Watches, clocks, and parts (except watch cases).....	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
39	Miscellaneous manufactures.....	44	12	12	6	7	1	3	1	6	...	6	1	6	2	4	1	...	...	...	...
391	Jewelry and silverware.....	7	1	...	...	1	1	1	...	1	...	2	...	2	...	...	...	...	...	...	...
3911	Jewelry (precious metal).....	2	...	...	...	1	...	...	...	1	...	...	...	2	...	...	...	...	...	...	...
3913	Lapidary work.....	5	1	...	...	...	1	1	...	...	...	2	...	2	...	...	...	...	...	...	...
3949	Sporting and athletic goods.....	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
3953	Hand stamps and stencils.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
396	Costume jewelry and notions.....	16	2	1	...	2	...	1	...	5	...	2	...	2	2	3	...	...	...	...	...
3961	Costume jewelry.....	5	...	1	...	...	...	...	...	4	...	...	...	2	...	...	...	...	...	...	...
3962	Artificial flowers.....	5	...	...	...	...	...	1	...	1	...	1	...	2	1	...	...	...	...	...	...
3963	Buttons.....	5	2	...	...	1	...	...	...	...	...	1	...	2	3	...	...	...	...	...	...
3964	Needles and pins.....	1	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
3971	Plastics products, n.e.c.....	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...
399	Miscellaneous manufactures.....	18	9	10	6	4	...	1	1	...	...	1	1	1	1	...	1	...	...	...	...
3981	Brooms and brushes.....	4	...	2	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
3983	Matches.....	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3988	Mortician's goods.....	8	6	7	6	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3993	Signs and advertising displays.....	4	1	...	...	3	...	1	1	...	...	...	...	...	...	1	1	...	...	...	...
3994	Hairwork.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3999	Miscellaneous products, n.e.c.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

¹Comparable 1939 statistics are not available. Figures for 1939 include establishments engaged in coffee roasting and grinding and in tobacco stemming and redrying, which activities were considered nonmanufacturing in 1939. The 1939 statistics for "All industries", for the Food and kindred products group, for Food preparations, n.e.c. (of which Coffee roasting and grinding is a part in 1949), and for Tobacco manufactures are compared, therefore, with 1949 figures from which the totals for these activities have been excluded.

²Comparable 1939 statistics are not available. See explanation in footnote 1 above.

Table 7.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949

No.	Industry Title	Total number of establish- ments	Number of establishments with:							
			Fewer than 5 employ- ees	5-9 employ- ees	10-19 employ- ees	20-49 employ- ees	50-99 employ- ees	100-249 employ- ees	250-499 employ- ees	500 or more employ- ees
	All industries, total.....	1,998	981	318	248	199	114	95	34	9
20	Food and kindred products.....	526	146	148	97	59	25	25	19	7
2013	Prepared meats.....	2	...	1	1	...	...	...	...	...
202	Dairy products.....	31	15	10	1	3	2	...	...	...
2022	Natural cheese.....	4	1	2	...	1	...	...	...	...
2024	Ice cream and ices.....	27	14	8	1	2	2	...	...	...
203	Canning, preserving, and freezing...	23	7	4	3	4	1	3	1	...
2033	Canning and preserving, except fish	19	6	1	3	4	1	3	1	...
2035	Pickles and sauces.....	4	1	3	...	...	...	...	...	...
2042	Prepared animal feeds.....	1	...	...	...	1	...	...	...	...
205	Bakery products.....	277	92	100	63	16	4	2	...	...
2051	Bread and other bakery products...	265	90	96	62	15	2	...	...	...
2052	Biscuit, crackers, and pretzels...	12	2	4	1	1	2	2	...	...
206	Sugar.....	41	...	1	...	...	4	15	14	7
2061	Raw cane sugar.....	36	...	1	...	...	2	13	13	7
2062	Cane-sugar refining.....	5	...	...	...	...	2	2	1	...
207	Confectionery and related products..	10	2	3	...	2	2	...	1	...
2071	Confectionery products.....	6	2	2	...	...	1	...	1	...
2072	Chocolate and cocoa products.....	4	...	1	...	2	1	...	...	...
208	Beverages.....	73	7	13	13	24	10	3	3	...
2081	Bottled soft drinks.....	33	3	7	7	12	3	1	...	...
2082	Malt liquors.....	4	...	...	...	...	1	1	2	...
2084	Wines and brandy.....	5	...	2	1	2	...	...	...	...
2085	Distilled liquors, except brandy..	31	4	4	5	10	6	1	1	...
209	Miscellaneous food preparations.....	68	23	16	16	9	2	2	...	...
2092	Shortening and cooking oils.....	1	1	...	...	...	...	...	...	...
2095	Flavorings.....	3	1	2	...	...	...	...	...	...
2097	Manufactured ice.....	29	6	6	11	4	1	1	...	...
2098	Macaroni and spaghetti.....	10	1	4	2	2	1	...	...	...
2099	Liquid, frozen, and dried eggs....	25	14	4	3	3	...	1	...	...
	Food preparations, n.e.c.....									
21	Tobacco manufactures.....	626	537	36	10	10	11	17	4	1
2121	Cigars.....	577	533	33	5	4	1	1	...	...
2131	Chewing and smoking tobacco.....	7	2	2	2	1	...	...	...	...
2141	Tobacco stemming and redrying.....	42	2	1	3	5	10	16	4	1
22	Textile mill products.....	10	1	2	...	...	3	1	2	1
2221	Yarn mills.....	1	...	...	...	...	...	...	...	1
2231	Broad-woven fabric mills (cotton, silk, and synthetic fiber).....	2	...	1	...	...	...	...	1	...
2251	Full-fashioned hosiery mills.....	3	...	1	...	...	2	...	...	...
227	Carpets and rugs.....	3	1	...	...	...	...	1	1	...
2271	Wool carpets, rugs, and carpet yarn.....	2	...	...	...	...	...	1	1	...
2273	Carpets and rugs, n.e.c.....	1	1	...	...	...	...	...	...	...
2283	Straw hats.....	1	...	...	...	...	1	...	...	...
23	Apparel and related products.....	263	44	35	45	63	45	30	1	...
2311	Men's and boys' suits and coats.....	11	3	1	3	...	1	3	...	...
232	Men's and boys' furnishings.....	68	6	15	13	16	15	3	...	...
2321	Men's dress shirts and nightwear..	17	2	2	3	4	4	2	...	...
2322	Men's and boys' underwear.....	7	1	2	4	...	...	...	...	...
2325	Men's and boys' cloth hats and caps	3	1	1	...	...	1	...	...	...
2327	Separate trousers.....	35	1	9	6	11	7	1	...	...
2329	Men's and boys' clothing, n.e.c....	6	1	1	...	1	3	...	...	...
233	Women's and misses' outerwear.....	33	12	2	2	9	5	3	...	...
2331	Blouses and waists.....	18	2	1	1	9	4	1	...	...
2333	Dresses, unit price.....	14	10	1	1	...	1	1	...	...
2339	Women's outerwear, n.e.c.....	1	...	...	...	...	...	1	...	...
234	Women's and children's undergarments	31	4	4	7	9	3	3	1	...
2341	Women's and children's underwear..	29	4	4	6	9	3	2	1	...
2342	Corsets and allied garments.....	2	...	...	1	...	...	1	...	...
236	Children's outerwear.....	27	3	4	6	8	4	2	...	...
2361	Children's dresses.....	26	3	3	6	8	4	2	...	...
2369	Children's outerwear, n.e.c.....	1	...	1	...	...	...	...	...	...

Table 7.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949--Continued

Industry		Total number of establish- ments	Number of establishments with:							
No.	Title		Fewer than 5 employ- ees	5-9 employ- ees	10-19 employ- ees	20-49 employ- ees	50-99 employ- ees	100-249 employ- ees	250-499 employ- ees	500 or more employ- ees
23	Apparel and related products-- Continued									
2371	Fur goods.....	1	...	...	1	...	...	...	...	...
238	Miscellaneous apparel and accessories.....	74	11	6	8	20	16	13	...	...
2381	Fabric and combination dress gloves.....	28	5	4	4	7	2	6	...	...
2382	Fabric and combination work gloves.....	1	...	1	...	...	...	...	...	...
2388	Handkerchiefs.....	45	6	1	4	13	14	7	...	...
239	Miscellaneous fabricated textiles..	18	5	3	5	1	1	3	...	...
2391	Curtains and draperies.....	1	1	...	...	...	...	...	...	...
2392	Housefurnishings, n.e.c.....	8	1	1	2	1	1	2	...	...
2394	Canvas products.....	6	2	2	2	...	...	...	...	...
2398	Embroideries, except Schiffli- machine.....	1	...	...	1	...	...	...	...	...
2399	Fabricated textile products, n.e.c.....	2	1	...	...	...	...	1	...	...
24	Lumber and products (except furniture)	51	37	6	4	3	1	...	...	...
2421	Sawmills and planing mills, general (2421, 2423, 2426).....	3	3	...	...	...	...	...	...	...
2431	Millwork plants.....	43	30	6	3	3	1	...	...	...
244	Wooden containers.....	2	2	...	...	...	...	...	...	...
2441	Fruit and vegetable baskets.....	1	1	...	...	...	...	...	...	...
2444	Wooden boxes (except cigar boxes)	1	1	...	...	...	...	...	...	...
2499	Wood products, n.e.c.....	3	2	...	1	...	...	...	...	...
25	Furniture and fixtures.....	186	86	40	33	22	5	...	...	...
251	Household furniture.....	177	82	37	31	22	5	...	...	...
2511	Wood house furniture, except upholstered.....	152	76	28	28	17	3	...	...	...
2512	Household furniture, upholstered.	7	1	4	...	2	...	...	...	...
2514	Metal house furniture, except upholstered.....	4	2	1	...	1	...	...	...	...
2515	Mattresses and bedsprings.....	13	2	4	3	2	2	...	...	...
2519	Household furniture, n.e.c.....	1	1	...	...	...	...	...	...	...
2521	Wood office furniture.....	4	1	2	1	...	...	...	...	...
2541	Partitions and fixtures.....	3	3	...	...	...	...	...	...	...
256	Screens, shades, and blinds.....	2	...	1	1	...	...	...	...	...
2561	Window and door screens.....	1	...	...	1	...	...	...	...	...
2563	Venetian blinds.....	1	...	1	...	...	...	...	...	...
26	Paper and allied products.....	5	...	...	2	1	...	2	...	...
2613	Building-paper and board.....	1	...	...	...	...	...	1	...	...
2661	Paper bags.....	1	...	...	1	...	...	...	...	...
2671	Paperboard boxes.....	3	...	...	1	1	...	1	...	...
27	Printing and publishing industries...	77	37	17	13	3	3	3	1	...
2711	Newspapers.....	4	...	...	...	1	...	2	1	...
2721	Periodicals.....	3	...	2	...	...	1	...	...	...
2751	Commercial printing.....	62	33	13	11	2	2	1	...	...
2761	Lithographing.....	1	1	...	...	...	...	...	...	...
2782	Blankbook making and paper ruling..	3	1	1	1	...	...	...	...	...
2793	Photoengraving.....	4	2	1	1	...	...	...	...	...

Table 7.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949--Continued

No.	Industry Title	Total number of establish- ments	Number of establishments with:							
			Fewer than 5 employ- ees	5-9 employ- ees	10-19 employ- ees	20-49 employ- ees	50-99 employ- ees	100-249 employ- ees	250-499 employ- ees	500 or more employ- ees
28	Chemicals and allied products.....	49	10	10	13	9	3	4	...	...
2819	Inorganic chemicals, n.e.c.....	1	...	...	...	...	...	1	...	...
283	Drugs and medicines.....	21	4	8	5	4	...	...	...	...
2831	Biological products.....	1	...	...	...	1	...	...	...	...
2834	Pharmaceutical preparations.....	20	4	8	5	3	...	...	...	...
2841	Soap and glycerin.....	1	...	...	1	...	...	...	...	...
2851	Paints and varnishes.....	1	...	1	...	...	...	...	...	...
2872	Fertilizers.....	7	...	...	1	2	2	2	...	...
2884	Vegetable oil mills, n.e.c.....	1	...	...	1	...	...	...	...	...
289	Miscellaneous chemical products....	17	6	1	5	3	1	1	...	...
2893	Toilet preparations.....	1	1	...	...	...	...	...	...	...
2896	Compressed and liquefied gases....	6	...	1	3	1	...	1	...	...
2897	Insecticides and fungicides.....	3	3	...	...	...	...	...	...	...
2898	Salt.....	7	2	...	2	2	1	...	...	...
30	Rubber products.....	1	...	...	...	1	...	...	...	...
3099	Rubber industries, n.e.c.....	1	...	...	...	1	...	...	...	...
31	Leather and leather products.....	22	9	1	2	4	2	3	1	...
3111	Leather tanning and finishing.....	1	...	...	1	...	...	...	...	...
314	Footwear (except rubber).....	12	9	1	...	...	...	1	1	...
3141	Footwear, except rubber.....	7	5	1	...	...	...	...	1	...
3142	House slippers.....	5	4	...	...	...	...	1	...	...
3161	Luggage.....	2	...	...	...	1	1	...	...	...
317	Handbags and small leather goods...	7	...	...	1	3	1	2	...	...
3171	Handbags and purses.....	5	...	...	1	3	1	...	...	...
3172	Small leather goods.....	2	...	...	...	...	...	2	...	...
32	Stone, clay, and glass products.....	87	46	6	13	14	3	1	4	...
322	Pressed and blown glassware.....	2	1	...	...	...	...	...	1	...
3221	Glass containers.....	1	...	...	...	...	...	...	1	...
3229	Pressed and blown glassware, n.e.c.....	1	1	...	...	...	...	...	...	...
3231	Products of purchased glass.....	3	...	3	...	...	...	...	...	...
3241	Cement, hydraulic.....	2	...	...	...	...	...	...	2	...
325	Structural clay products.....	18	2	...	6	7	2	1	...	...
3251	Brick and hollow tile.....	1	...	...	...	...	...	1	...	...
3253	Floor and wall tile.....	13	...	...	4	7	2	...	...	...
3259	Structural clay products, n.e.c..	4	2	...	2	...	...	...	...	...
326	Pottery and related products.....	5	3	...	1	...	...	...	1	...
3262	Vitreous-china food utensils.....	1	...	...	...	...	...	...	1	...
3269	Pottery products, n.e.c.....	4	3	...	1	...	...	...	...	...
327	Concrete and plaster products.....	48	35	2	4	6	1	...	...	...
3271	Concrete products.....	42	32	1	4	4	1	...	...	...
3274	Lime.....	6	3	1	...	2	...	...	...	...
3281	Cut-stone and stone products.....	7	4	1	2	...	...	...	...	...
329	Miscellaneous nonmetallic mineral products.....	2	1	...	...	1	...	...	...	...
3295	Minerals: ground and treated....	1	...	...	...	1	...	...	...	...
3298	Statuary and art goods.....	1	1	...	...	...	...	...	...	...
33	Primary metal industries.....	1	...	...	...	...	...	...	1	...
3312	Steel works and rolling mills.....	1	...	...	...	...	...	...	1	...

Table 7.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS, FOR INDUSTRY GROUPS AND INDUSTRIES: 1949--Continued

No.	Industry Title	Total number of establish- ments	Number of establishments with:							
			Fewer than 5 employ- ees	5-9 employ- ees	10-19 employ- ees	20-49 employ- ees	50-99 employ- ees	100-249 employ- ees	250-499 employ- ees	500 or more employ- ees
34	Fabricated metal products.....	33	13	9	7	3	1	...	...	...
3411	Tin cans and other tinware.....	1	...	1	...	...	...	...	...	...
3439	Heating and cooking apparatus.....	1	...	...	...	1	...	...	...	...
344	Structural metal products.....	24	11	5	6	1	1	...	...	...
3441	Structural ornamental products...	15	7	5	2	...	1	...	...	...
3442	Metal doors, sash and trim.....	3	...	...	2	1	...	...	...	...
3444	Sheet-metal works.....	6	4	...	2	...	...	...	...	...
3468	Electroplating, plating, and polishing.....	1	...	1	...	...	...	...	...	...
3499	Fabricated metal products, n.e.c....	6	2	2	1	1	...	...	...	...
35	Machinery (except electrical).....	13	1	1	5	4	...	1	1	...
3522	Farm machinery (except tractors)...	6	1	...	3	2	...	...	...	...
3543	Cutting tools, jigs, fixtures, etc.	1	...	...	1	...	...	...	...	...
3551	Food-products machinery.....	1	...	...	...	...	...	...	1	...
3585	Refrigerators, refrigeration machinery, and complete air- conditioning units.....	1	...	...	...	1	...	...	...	...
3599	Machine shops.....	4	...	1	1	1	...	1	...	...
36	Electrical machinery.....	1	...	...	1	...	...	...	...	...
3663	Phonograph records.....	1	...	...	1	...	...	...	...	...
37	Transportation equipment.....	1	...	...	1	...	...	...	...	...
3713	Truck and bus bodies.....	1	...	...	1	...	...	...	...	...
38	Instruments and related products.....	2	...	1	...	...	1	...	...	...
3842	Surgical appliances and supplies...	1	...	1	...	...	...	...	...	...
3851	Ophthalmic goods.....	1	...	...	...	...	1	...	...	...
39	Miscellaneous manufactures.....	44	14	6	2	3	11	8	...	...
391	Jewelry and silverware.....	7	...	1	1	1	4	...	...	...
3911	Jewelry (precious metal).....	2	...	...	1	...	1	...	...	...
3913	Lapidary work.....	5	...	1	...	1	3	...	...	...
3949	Sporting and athletic goods.....	1	...	...	...	...	1	...	...	...
3953	Hand stamps and stencils.....	1	1	...	...	...	...	...	...	...
396	Costume jewelry and notions.....	16	1	2	1	1	4	7	...	...
3961	Costume jewelry.....	5	...	...	1	1	2	1	...	...
3962	Artificial flowers.....	5	...	1	...	...	1	3	...	...
3963	Buttons.....	5	...	1	...	...	1	3	...	...
3964	Needles and pins.....	1	1	...	...	...	...	...	...	...
3971	Plastics products.....	1	...	...	...	1	...	...	...	...
399	Miscellaneous manufactures.....	18	12	3	...	...	2	1	...	...
3981	Brooms and brushes.....	4	2	...	...	...	2	...	...	...
3988	Mortician's goods.....	8	8	...	...	...	...	...	...	...
3993	Signs and advertising displays...	4	1	3	...	...	...	...	...	...
3994	Hair work.....	1	...	...	...	...	...	1	...	...
3999	Miscellaneous products, n.e.c.....	1	1	...	...	...	...	...	...	...

Table 8A.—SELECTED STATISTICS, BY YEARS OF PLANT BEGINNING OPERATION, MAJOR INDUSTRY GROUPS: 1949¹

(For explanation of line captions see GENERAL EXPLANATIONS. Figures for any size class which cannot be shown without disclosing information for individual companies have been combined with figures for an adjacent size class. A ^d appears in the column where the figure has been withheld and the combined figures is underscored. As a result, whenever size-class figures for industry groups appear in italics, or the symbol ^d has been substituted, the figures for the industry groups will not add to the Puerto Rico total for that size class. For the smaller size classes, the relation of value added by manufacture to employment may provide a misleading measure of labor productivity because of the fact that in unincorporated firms a substantial contribution to value added is made by proprietors and partners, who often spend a considerable amount of their time doing production work but are not counted as employees.)

No.	Industry Title	All establishments	Year that establishment began operation--										Year not reported
			1940 or earlier	1941	1942	1943	1944	1945	1946	1947	1948	1949	
	All industries, total												
	Number of establishments.....	1,998	773	54	74	53	87	125	165	175	223	220	49
	Number of employees.....	55,137	35,993	1,465	1,141	1,467	1,161	2,324	2,093	2,409	3,217	2,613	1,254
	Value added by manufacture.....	\$93,420,523	\$69,217,934	\$2,376,497	\$2,707,358	\$1,107,868	\$1,221,818	\$3,660,658	\$1,963,473	\$3,241,420	\$3,583,086	\$2,564,061	\$1,776,350
20	Food and kindred products												
	Number of establishments....	526	262	12	17	8	10	30	35	41	50	50	11
	Number of employees.....	23,243	19,275	620	224	383	80	526	371	715	434	513	102
	Value added by manufacture..	\$52,432,434	\$45,482,551	\$1,501,213	\$402,051	\$525,550	\$157,559	\$756,627	\$388,122	\$1,089,930	\$847,624	\$1,103,427	\$177,780
21	Tobacco manufactures												
	Number of establishments....	626	226	21	31	24	30	45	54	52	61	73	9
	Number of employees.....	7,116	5,562	237	57	114	55	279	123	154	153	345	37
	Value added by manufacture..	\$6,743,156	\$5,735,313	\$104,537	\$40,304	\$55,200	\$40,757	\$81,285	\$79,539	\$88,006	\$129,831	\$352,427	\$35,957
23	Apparel and related products												
	Number of establishments....	263	99	5	10	7	13	13	21	27	30	28	10
	Number of employees.....	10,805	5,386	259	407	299	423	275	665	845	1,173	712	361
	Value added by manufacture..	\$9,251,203	\$4,599,793	\$260,487	\$261,616	\$172,034	\$340,880	\$294,149	\$573,977	\$892,382	\$949,357	\$584,768	\$321,760
24	Lumber and wood products (except furniture)												
	Number of establishments....	51	11	2	1	1	4	1	9	7	6	7	2
	Number of employees.....	327	141	43	(d)	(d)	8	(d)	63	38	13	21	(d)
	Value added by manufacture..	\$611,147	\$291,183	\$46,080	(d)	(d)	\$12,909	(d)	\$168,072	\$55,509	\$20,243	\$17,144	(d)
25	Furniture and fixtures												
	Number of establishments....	186	47	4	4	5	15	11	17	23	32	24	4
	Number of employees.....	1,888	679	48	22	67	148	210	140	182	231	130	31
	Value added by manufacture..	\$2,338,227	\$868,134	\$82,472	\$23,675	\$118,966	\$181,228	\$208,469	\$159,087	\$180,516	\$349,847	\$141,343	\$24,490
27	Printing and publishing industries												
	Number of establishments....	77	38	6	3	2	2	5	7	2	6	3	3
	Number of employees.....	1,459	953	88	121	(d)	(d)	25	14	(d)	35	223	(d)
	Value added by manufacture..	\$3,669,707	\$2,326,994	\$103,446	\$311,669	(d)	(d)	\$38,288	\$19,819	(d)	\$58,194	\$811,297	(d)
28	Chemicals and allied products												
	Number of establishments....	49	34	2	2	1	4	1	1	2	2	...	...
	Number of employees.....	1,268	1,059	106	(d)	(d)	28	(d)	(d)	(d)	75	...	...
	Value added by manufacture..	\$4,394,233	\$3,164,603	\$93,454	(d)	(d)	\$87,399	(d)	(d)	(d)	\$208,777	...	...
32	Stone, clay, and glass products												
	Number of establishments....	87	20	...	1	2	5	7	8	12	18	11	3
	Number of employees.....	2,562	730	...	(d)	(d)	(d)	947	77	341	77	383	7
	Value added by manufacture..	\$6,353,331	\$3,010,338	...	(d)	(d)	(d)	\$2,435,899	\$73,765	\$573,618	\$198,394	\$54,527	\$6,790
34	Fabricated metal products												
	Number of establishments....	33	6	...	2	1	2	5	6	4	4	2	1
	Number of employees.....	310	45	...	87	(d)	(d)	85	21	48	24	(d)	(d)
	Value added by manufacture..	\$710,227	\$84,859	...	\$143,609	(d)	(d)	\$216,454	\$28,465	\$207,248	\$29,592	(d)	(d)
39	Miscellaneous manufactures												
	Number of establishments....	44	8	2	2	1	...	3	3	1	9	12	3
	Number of employees.....	2,389	505	(d)	(d)	(d)	...	(d)	(d)	460	848	305	271
	Value added by manufacture..	\$2,450,892	\$672,295	(d)	(d)	(d)	...	(d)	(d)	\$603,956	\$777,910	\$198,826	\$197,905
	All other major industry groups ²												
	Number of establishments....	56	22	...	1	1	2	4	4	4	5	10	3
	Number of employees.....	3,770	1,658	...	(d)	(d)	(d)	(d)	1,415	49	230	206	212
	Value added by manufacture..	\$4,465,966	\$2,981,871	...	(d)	(d)	(d)	(d)	\$892,753	\$99,723	\$188,161	\$109,474	\$190,984

¹See table 8B for a distribution of establishments for all individual (4-digit) industries, by year that plants began operation.

²Includes the following major industry groups which were combined to avoid disclosing figures for individual companies: Group 22, Textile mill products; Group 26, Paper and allied products; Group 30, Rubber products; Group 31, Leather and leather products; Group 33, Primary metal industries; Group 35, Machinery (except electric); Group 36, Electrical machinery; Group 37, Transportation equipment; and Group 38, Instruments and related products.

Table 8B.--DISTRIBUTION OF ESTABLISHMENTS, BY INDUSTRY AND YEAR OF PLANT BEGINNING OPERATION: 1949¹

No.	Industry Title	All estab- lish- ments	Year that establishment began operation--										Year not re- ported
			1940 or earlier	1941	1942	1943	1944	1945	1946	1947	1948	1949	
	All industries, total.....	1,998	773	54	74	53	87	125	165	175	223	220	49
20	Food and kindred products.....	526	262	12	17	8	10	30	35	41	50	50	11
2013	Prepared meats.....	2	...	...	...	...	...	...	1	...	...	1	...
2022	Natural cheese.....	4	3	...	...	...	...	...	...	...	...	1	...
2024	Ice cream and ices.....	27	5	1	2	...	2	5	2	5	2	3	...
2033	Canning and preserving, except fish.....	19	7	2	...	...	...	1	1	2	3	2	1
2035	Pickles and sauces.....	4	...	...	...	...	...	1	...	...	...	2	1
2042	Prepared animal feeds.....	1	...	1	...	...	...	...	...	...	...	...	...
2051	Bread and other bakery products.....	265	123	3	11	3	4	14	22	15	34	29	7
2052	Biscuit, crackers, and pretzels.....	12	6	2	...	...	...	...	...	2	...	2	...
2061	Raw cane sugar.....	36	35	...	...	...	...	...	...	1	...	...	...
2062	Cane-sugar refining.....	5	3	1	1	...	...	...	...	...	...	...	...
2071	Confectionery products.....	6	1	...	...	1	...	...	1	1	1	1	...
2072	Chocolate and cocoa products.....	4	2	...	...	...	...	...	...	1	1	...	...
2081	Bottled soft drinks.....	33	15	...	1	1	2	2	1	5	5	1	...
2082	Malt liquors.....	4	2	...	...	...	...	...	...	...	...	2	...
2084	Wines and brandy.....	5	5	...	...	...	...	...	...	...	...	...	...
2085	Distilled liquors, except brandy.....	31	21	1	...	3	1	2	1	...	1	1	...
2092	Shortening and cooking oils.....	1	...	...	...	...	...	...	...	...	...	...	1
2095	Flavorings.....	3	2	1	...	...	...	...	...	...	...	...	...
2097	Manufactured ice.....	29	16	...	...	...	...	2	4	4	2	...	1
2098	Macaroni and spaghetti.....	10	4	...	1	...	1	1	1	1	...	1	...
2099	Food preparations, n.e.c.....	25	12	...	1	...	...	2	1	4	1	4	...
21	Tobacco manufactures.....	626	226	21	31	24	30	45	54	52	61	73	9
2121	Cigars.....	577	186	20	30	23	30	44	53	51	60	71	9
2131	Chewing and smoking tobacco.....	7	7	...	...	...	...	...	...	...	...	...	...
2141	Tobacco stemming and redrying.....	42	33	1	1	1	...	1	1	1	1	2	...
22	Textile mill products.....	10	4	...	...	1	1	...	1	...	1	2	...
2221	Yarn mills.....	1	...	...	...	1	...	...	...	...	...	...	...
2231	Broad-woven fabric mills (cotton, silk, and synthetic fiber).....	2	1	...	...	...	...	...	...	...	...	1	...
2251	Full-fashioned hosiery mills.....	3	1	...	...	...	...	...	...	...	1	1	...
2271	Wool carpets, rugs, and carpet yarn.....	2	1	...	...	...	1	...	...	...	...	...	...
2273	Carpets and rugs, n.e.c.....	1	...	...	...	...	...	...	1	...	...	...	...
2283	Straw hats.....	1	1	...	...	...	...	...	...	...	...	...	...
23	Apparel and related products.....	263	99	5	10	7	13	13	21	27	30	28	10
2311	Men's and boys' suits and coats.....	11	8	...	...	...	...	...	...	...	2	1	...
2321	Men's dress shirts and nightwear.....	17	6	...	3	...	1	2	4	...	...	1	...
2322	Men's and boys' underwear.....	7	...	1	...	...	...	1	...	...	4	1	...
2325	Men's and boys' cloth hats and caps.....	3	2	...	...	...	1	...	...	...	...	...	...
2327	Separate trousers.....	35	19	...	1	...	1	3	4	3	...	1	3
2329	Men's and boys' clothing, n.e.c.....	6	4	...	...	1	...	...	1	...	...	...	...
2331	Women's and misses' blouses and waists.....	18	6	1	...	...	1	1	2	3	2	2	...
2333	Women's and misses' dresses.....	14	5	1	...	...	...	1	1	2	3	...	1
2339	Women's outerwear, n.e.c.....	1	...	...	...	...	...	...	...	...	...	1	...
2341	Women's and children's underwear.....	29	8	...	2	3	3	...	...	3	5	5	...
2342	Corset's and allied garments.....	2	...	...	...	...	...	...	...	...	...	1	1
2361	Children's dresses.....	26	7	...	...	3	...	1	1	5	4	3	2
2369	Children's outerwear, n.e.c.....	1	...	...	...	...	...	1	...	...	...	...	...
2371	Fur goods.....	1	...	...	...	...	...	...	...	...	...	1	...
2381	Fabric and combination dress gloves.....	28	7	1	2	...	1	...	3	6	4	3	1
2382	Fabric and combination work gloves.....	1	...	...	...	...	...	...	1	...	...	...	...
2388	Handkerchiefs.....	45	19	...	2	...	3	2	4	3	5	5	2
2391	Curtains and draperies.....	1	...	...	...	...	...	1	...	...	...	...	...
2392	Housefurnishings, n.e.c.....	8	5	...	...	...	1	...	...	2	...	...	...
2394	Canvas products.....	6	3	...	...	...	1	...	...	...	1	1	...
2398	Embroideries, except Schiffli-machine.....	1	...	...	...	...	...	...	...	...	...	1	...
2399	Fabricated textile products, n.e.c.....	2	...	1	...	...	...	...	...	...	...	1	...
24	Lumber and wood products (except furniture).....	51	11	2	1	1	4	1	9	7	6	7	2
2421	Sawmills and planing mills, general.....	3	2	...	...	...	...	...	1	...	...	...	...
2431	Millwork plants.....	43	9	2	1	1	3	1	7	6	5	6	2
2441	Fruit and vegetable baskets.....	1	...	...	...	...	1	...	...	...	...	...	...
2444	Wooden boxes (except cigar boxes).....	1	...	...	...	...	...	...	...	...	1	...	...
2499	Wood products, n.e.c.....	3	...	...	...	...	...	...	1	1	...	1	...
25	Furniture and fixtures.....	186	47	4	4	5	15	11	17	23	32	24	4
2511	Wood house furniture, except upholstered.....	152	37	2	2	3	13	10	14	20	27	20	4
2512	Household furniture, upholstered.....	7	...	1	1	...	1	...	2	1	...	1	...
2514	Metal house furniture, except upholstered.....	4	...	...	...	...	1	1	...	...	1	1	...
2515	Mattresses and bedsprings.....	13	7	...	1	1	...	...	1	1	2	...	...
2519	Household furniture, n.e.c.....	1	...	...	...	...	...	...	...	...	...	1	...
2521	Wood office furniture.....	4	3	1	...	...	...	...	...	...	...	...	...
2541	Partitions and fixtures.....	3	...	...	...	...	...	...	...	1	2	...	...
2561	Window and door screens.....	1	...	...	...	1	...	...	...	...	...	...	...
2563	Venetian blinds.....	1	...	...	...	...	...	...	...	...	...	1	...

For footnotes, see end of table.

Table 8B.--DISTRIBUTION OF ESTABLISHMENTS, BY INDUSTRY AND YEAR OF PLANT BEGINNING OPERATION: 1949¹--Continued

Industry		All estab- list- ments	Year that establishment began operation--											Year not re- ported
No.	Title		1940 or earlier	1941	1942	1943	1944	1945	1946	1947	1948	1949		
26	Paper and allied products.....	5	3	...	...	...	...	...	1	...	...	1	...	
2613	Building-paper and building board.....	1	...	...	...	...	...	...	1	...	...	...	...	
2661	Paper bags.....	1	...	...	...	...	...	...	...	...	...	1	...	
2671	Paperboard boxes.....	3	3	...	...	...	...	...	...	...	...	...	...	
27	Printing and publishing industries.....	77	38	6	3	2	2	5	7	2	6	3	3	
2711	Newspapers.....	4	3	...	...	...	...	...	...	...	...	...	1	
2721	Periodicals.....	3	2	1	...	...	...	...	...	...	...	...	...	
2751	Commercial printing.....	62	29	5	2	2	1	5	7	2	6	1	2	
2761	Lithographing.....	1	...	...	...	...	1	...	...	...	...	...	...	
2782	Blankbook making and paper ruling.....	3	2	...	1	...	...	...	...	...	...	...	...	
2793	Photoengraving.....	4	2	...	...	...	...	...	...	...	...	2	...	
28	Chemicals and allied products.....	49	34	2	2	1	4	1	1	2	2	...	...	
2819	Inorganic chemicals, n.e.c.....	1	1	...	...	...	...	...	...	...	...	...	...	
2831	Biological products.....	1	...	1	...	...	...	...	...	...	...	...	...	
2834	Pharmaceutical preparations.....	20	14	1	...	...	2	1	...	1	1	...	...	
2841	Soap and glycerin.....	1	1	...	...	...	...	...	...	...	...	...	...	
2851	Paints and varnishes.....	1	1	...	...	...	...	...	...	...	...	...	...	
2872	Fertilizers (mixing only).....	7	6	...	1	...	...	...	...	...	...	...	...	
2884	Vegetable oil mills, n.e.c.....	1	1	...	...	...	...	...	...	...	...	...	...	
2893	Toilet preparations.....	1	1	...	...	...	...	...	...	...	...	...	...	
2896	Compressed and liquefied gases.....	6	2	...	1	...	1	...	1	...	1	...	...	
2897	Insecticides and fungicides.....	3	1	...	...	1	1	...	...	...	...	...	...	
2898	Salt.....	7	6	...	...	...	...	...	...	1	...	...	...	
30	Rubber products:													
3099	Rubber industries, n.e.c.....	1	...	...	...	...	...	1	...	...	...	...	...	
31	Leather and leather products.....	22	5	...	1	...	1	2	2	2	2	5	2	
3111	Leather tanning and finishing.....	1	...	...	...	...	...	1	...	...	...	...	...	
3141	Footwear (except rubber).....	7	3	...	1	...	...	...	1	1	...	1	...	
3142	House slippers.....	5	2	...	...	...	1	...	...	...	...	2	...	
3161	Luggage.....	2	...	...	...	...	...	...	...	1	...	...	1	
3171	Handbags and purses.....	5	...	...	...	...	...	...	1	...	2	2	...	
3172	Small leather goods.....	2	...	...	...	...	...	1	...	...	...	...	1	
32	Stone, clay, and glass products.....	87	20	...	1	2	5	7	8	12	18	11	3	
3221	Glass containers.....	1	...	...	...	...	...	1	...	...	...	...	...	
3229	Pressed and blown glassware, n.e.c.....	1	...	...	...	1	...	...	...	...	...	...	...	
3231	Products of purchased glass.....	3	...	...	...	...	1	...	...	...	1	1	...	
3241	Cement, hydraulic.....	2	1	...	1	...	...	...	...	...	...	...	...	
3251	Brick and hollow tile.....	1	...	...	...	...	...	...	...	1	...	...	...	
3253	Floor and wall tile.....	13	6	...	...	...	...	2	1	2	2	...	...	
3259	Structural clay products, n.e.c.....	4	1	...	...	...	...	...	...	1	1	1	...	
3262	Vitreous-china food utensils.....	1	...	...	...	...	...	...	...	...	...	1	...	
3269	Pottery products, n.e.c.....	4	1	...	...	...	...	...	1	...	1	1	...	
3271	Concrete products.....	42	3	...	...	1	3	4	6	5	11	7	2	
3274	Lime.....	6	3	...	...	...	...	...	...	1	1	...	1	
3281	Cut-stone and stone products.....	7	3	...	...	...	1	...	...	2	1	...	...	
3295	Minerals: ground and treated.....	1	1	...	...	...	...	...	...	...	...	...	...	
3298	Statuary and art goods.....	1	1	...	...	...	...	...	...	...	...	...	...	
33	Primary metal industries:													
3312	Steel works and rolling mills.....	1	1	...	...	...	...	...	...	...	...	...	...	
34	Fabricated metal products.....	33	6	...	2	1	2	5	6	4	4	2	1	
3411	Tin cans and other tinware.....	1	1	...	...	...	...	...	...	...	...	...	...	
3439	Heating and cooking apparatus, n.e.c.....	1	...	...	1	...	...	...	...	...	...	...	...	
3441	Structural and ornamental products.....	15	2	...	1	1	1	4	1	1	2	2	...	
3442	Metal doors, sash, and trim.....	3	...	...	...	...	...	2	...	1	...	...	...	
3444	Sheet-metal work.....	6	2	...	...	...	...	2	1	...	...	...	1	
3468	Plating and polishing.....	1	...	...	...	...	...	...	...	1	...	...	...	
3499	Fabricated metal products, n.e.c.....	6	1	...	...	...	1	...	1	1	2	...	...	
35	Machinery (except electrical).....	13	8	...	...	...	...	1	...	2	1	...	1	
3522	Farm machinery (except tractors).....	6	5	...	...	...	...	1	...	...	...	...	...	
3543	Cutting tools, jigs, fixtures, etc.....	1	1	...	...	...	...	...	...	...	...	...	...	
3551	Food-products machinery.....	1	1	...	...	...	...	...	...	...	...	...	...	
3585	Refrigerators, refrigeration machinery and complete air-conditioning units.....	1	...	...	...	...	...	...	...	...	...	...	1	
3599	Machine shops.....	4	1	...	...	...	...	...	...	2	1	...	...	

For footnotes, see end of table.

Table 8B.--DISTRIBUTION OF ESTABLISHMENTS, BY INDUSTRY AND YEAR OF PLANT BEGINNING OPERATION: 1949¹--Continued

Industry		All estab- lish- ments	Year that establishment began operation--											Year not re- ported
No.	Title		1940 or earlier	1941	1942	1943	1944	1945	1946	1947	1948	1949		
36 3663	Electrical machinery: Phonograph records.....	1	...	...	...	...	...	...	...	...	...	1	...	
37 3713	Transportation equipment: Truck and bus bodies.....	1	1	...	...	...	...	...	...	...	...	...	...	
38 3842	Instruments and related products..... Surgical appliances and supplies.....	2 1	...	...	...	...	...	...	...	...	1	1	...	
3851	Ophthalmic goods.....	1	...	...	...	...	...	...	...	...	1	...	...	
39 3911	Miscellaneous manufactures..... Jewelry (precious metal).....	44 2	8	2	2	1	...	3	3	1	9	12	3	
3913	Lapidary work.....	5	1	1	...	...	...	...	...	...	1	1	...	
3949	Sporting and athletic goods.....	1	...	1	...	...	...	...	...	...	...	1	2	
3953	Hand stamps and stencils.....	1	1	...	...	...	...	...	...	...	...	...	...	
3961	Costume jewelry.....	5	...	...	...	...	...	...	...	...	2	3	...	
3962	Artificial flowers.....	5	...	...	...	...	...	...	1	1	2	...	1	
3963	Buttons.....	5	2	...	...	...	...	1	...	...	1	1	...	
3964	Needles and pins and fasteners.....	1	...	...	...	...	...	...	...	...	...	1	...	
3971	Plastics products, n.e.c.....	1	...	...	...	...	...	...	...	...	1	...	...	
3981	Brooms and brushes.....	4	...	...	...	...	...	1	...	...	2	1	...	
3988	Morticians' goods.....	8	3	...	1	1	...	...	1	...	...	2	...	
3993	Signs and advertising displays.....	4	...	...	1	...	...	...	1	...	...	2	...	
3994	Hair work.....	1	1	...	...	...	...	...	...	...	...	...	...	
3999	Miscellaneous products, n.e.c.....	1	...	...	...	...	...	1	...	...	...	...	...	

¹See table 8A for selected statistics for major industry groups, by year of plant beginning operation.

(Size groups in which no manufacturing establishments were reported are omitted.)

Municipality and size group	Total number of establish- ments	Number of establishments, by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Coama.....	36	7	13	...	6	...	5	...	2	1	...	...	...	...	...	...	1	...	...	...	1
1-9 employees.....	28	5	13	...	1	...	4	...	2	1	...	...	...	...	...	...	1	...	...	...	1
10-49 employees.....	5	2	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	3	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Comerio.....	10	3	6	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	8	3	4	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Corozal.....	4	2	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
1-9 employees.....	3	1	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
10-49 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Culebra.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dorado.....	9	...	7	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
1-9 employees.....	7	...	7	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Fajardo.....	20	6	10	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	1
1-9 employees.....	16	5	10	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
10-49 employees.....	3	...	...	...	1	...	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
50 or more employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Guanica.....	9	6	1	...	...	...	6	...	1	...	...	...	1	...	...	...	...	...	...	...	...
1-9 employees.....	4	3	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	3	1	...	...	...	...	...	...	...	1	...	...	...	1	...	...	...	...	...	...	...
50 or more employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Guayama.....	33	11	12	...	2	...	2	...	2	1	...	...	1	1	...	...	1	...	...	...	...
1-9 employees.....	23	6	12	...	...	...	2	...	1	...	...	...	1	1	...	...	...	...	...	...	...
10-49 employees.....	7	3	...	...	1	...	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...
50 or more employees.....	3	2	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Guayanilla.....	17	4	12	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	14	1	12	...	...	...	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	1	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Guaynabo.....	12	3	4	...	1	...	1	1	...	...	...	...	...	2	...	...	...	...	...	...	...
1-9 employees.....	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	3	2	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	4	...	...	...	1	...	...	1	...	...	...	...	...	2	...	...	...	...	...	...	...
Gurabo.....	16	1	12	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
1-9 employees.....	14	1	12	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Hatillo.....	4	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	3	2	1	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hormigueros.....	7	2	4	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	1	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Humacao.....	20	8	8	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
1-9 employees.....	17	5	8	...	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	2
10-49 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Isabela.....	9	4	3	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	7	3	3	...	...	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jayuya.....	11	2	6	...	...	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	9	1	6	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Juana Díaz.....	26	4	19	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
1-9 employees.....	25	3	19	...	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-49 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Juncos.....	35	4	21	...	4	1	2	...	1	...	...	...	...	1	...	...	...	...	...	...	1
1-9 employees.....	27	3	18	...	...	1	2	...	1	...	...	...	...	1	...	...	...	...	...	...	1
50 or more employees.....	8	1	3	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lajas.....	11	5	1	...	2	...	...	...	...	3	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	6	4	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	5	1	...	...	2	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...
Lares.....	11	5	4	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	8	2	4	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Las Piedras.....	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	6	2	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Loíza.....	9	3	4	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	6	1	4	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Luquillo.....	5	2	1	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	3	1	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Manatí.....	34	8	20	...	...	1	2	...	...	...	...	...	1	...	...	...	...	...	...	...	2
1-9 employees.....	21	2	15	...	...	1	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-49 employees.....	5	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
50 or more employees.....	8	4	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Maricao.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Maunabo.....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Mayagüez.....	164	48	16	1	57	3	16	...	8	2	...	...	2	4	...	2	3	...	...	1	1
1-9 employees.....	73	24	16	...	11	2	9	...	5	1	...	...	1	1	...	2	...	...	...	1	...
10-49 employees.....	63	16	...	...	28	1	7	...	3	1	...	...	1	3	...	...	3	...	...	...	...
50 or more employees.....	28	8	...	1	18	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Table 1.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR MUNICIPALITIES: 1949--Continued

(Size groups in which no manufacturing establishments were reported are omitted)

Municipality and size group	Total number of establishments	Number of establishments, by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Moca.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morovis.....	6	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	3	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Naguabo.....	17	5	9	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1
1-9 employees.....	14	2	9	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1
10-49 employees.....	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Naranjito.....	5	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
1-9 employees.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2
Orocovis.....	5	1	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	1	2	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Patillas.....	15	2	12	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	14	2	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Peñuelas.....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	2	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ponce.....	199	50	48	...	22	6	25	1	13	4	...	...	4	13	1	6	1	...	...	...	5
1-9 employees.....	131	27	48	...	4	5	21	...	10	...	...	...	3	7	...	4	...	...	...	...	2
10-49 employees.....	43	14	...	...	10	1	4	1	3	3	...	...	...	5	...	1	1	...	...	...	...
50 or more employees.....	25	9	...	...	8	...	...	...	...	1	...	...	1	1	1	1	...	...	...	...	3
Quebradillas.....	17	3	12	...	...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	15	2	12	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Rincón.....	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	6	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Río Grande.....	8	4	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	1
1-9 employees.....	7	4	1	...	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
50 or more employees.....	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1
Río Piedras.....	144	41	17	...	12	7	20	1	2	11	...	...	2	17	...	5	1	...	1	...	7
1-9 employees.....	72	16	17	...	5	4	10	...	2	3	...	...	...	9	...	2	...	...	...	...	4
10-49 employees.....	59	20	...	...	6	3	10	...	...	6	...	...	2	6	...	3	1	...	1	...	1
50 or more employees.....	13	5	...	...	1	...	...	1	...	2	...	...	...	2	...	...	...	...	...	...	2
Sabana Grande.....	25	4	8	...	8	1	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	17	2	8	...	2	1	3	...	1	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	6	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Salinas.....	6	4	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
1-9 employees.....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
50 or more employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Germán.....	34	10	6	...	4	1	4	...	5	...	...	...	...	2	...	...	1	...	...	...	1
1-9 employees.....	27	8	6	...	1	1	3	...	4	...	...	...	...	2	...	...	1	...	...	...	1
10-49 employees.....	5	2	...	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Juan.....	283	54	32	2	52	11	43	1	28	17	...	...	...	12	...	14	5	1	...	1	10
1-9 employees.....	159	25	29	...	20	10	27	...	15	11	...	...	...	8	...	11	...	...	...	...	3
10-49 employees.....	76	22	2	...	17	...	13	1	6	3	...	...	...	3	...	3	3	1	...	...	2
50 or more employees.....	48	7	1	2	15	1	3	...	7	3	...	...	...	1	...	...	2	...	...	1	5
San Lorenzo.....	30	3	24	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
1-9 employees.....	25	2	20	...	...	1	1	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-49 employees.....	2	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	3	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
San Sebastián.....	17	8	4	...	1	2	...	...	...	...	...	...	1	1	...	...	...	...	...	...	...
1-9 employees.....	13	6	4	...	...	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
10-49 employees.....	3	1	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
50 or more employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Santa Isabel.....	5	2	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Toa Alta.....	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	4	...	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Toa Baja.....	13	7	3	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
1-9 employees.....	9	3	3	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	1
50 or more employees.....	4	4	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Trujillo Alto.....	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Utua.....	16	6	9	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
1-9 employees.....	12	5	6	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-49 employees.....	3	1	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Vega Alta.....	17	3	10	1	1	...	...	...	...	...	...	...	...	1	...	1	...	...	...	...	...
1-9 employees.....	13	2	9	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
10-49 employees.....	3	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...

Table 1.--DISTRIBUTION OF ESTABLISHMENTS, BY EMPLOYMENT SIZE GROUPS AND BY MAJOR INDUSTRY GROUPS, FOR MUNICIPALITIES: 1949--Continued
(Size groups in which no manufacturing establishments were reported are omitted)

Municipality and size group	Total number of establish- ments	Number of establishments,by major industry groups (see headnote for group titles)																			
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Vega Baja.....	14	4	6	1	...	...	...	...	...	...	...	...	...	3	...	...	...	...	...	...	...
1-9 employees.....	11	3	6	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...
50 or more employees.....	3	1	...	1	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...
Wiegues.....	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	4	1	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Villalba.....	8	3	3	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	6	2	3	...	1	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	2	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yabucoa.....	8	3	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	5	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	2	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Yauco.....	30	9	12	...	2	...	4	...	2	...	...	...	...	...	...	...	...	...	...	...	...
1-9 employees.....	15	3	9	...	...	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...
10-49 employees.....	11	5	3	...	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...
50 or more employees.....	4	1	...	...	2	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...

Table 2.--SELECTED STATISTICS FOR STANDARD METROPOLITAN AREAS AND SENATORIAL DISTRICTS, BY EMPLOYEE SIZE OF ESTABLISHMENTS: 1949

(For explanation of line captions see GENERAL EXPLANATIONS. Figures for any size class which cannot be shown without disclosing information for individual companies have been combined with figures for an adjacent size class. A ^d appears in the column where the figure has been omitted and the combined figure is underscored. As a result, whenever size-class figures for individual Districts appear underscored, or the symbol ^d has been substituted, the figures for the individual Districts will not add to the Puerto Rico total for that class. For the smaller size classes, the relation of value added by manufacture to employment may provide a misleading measure of labor productivity because of the fact that in unincorporated firms a substantial contribution to value added is made by proprietors and partners, who often spend a considerable amount of their time doing production work, but are not counted as employees.)

Standard metropolitan area and Senatorial District	All establishments	Establishments with an average of--						
		Fewer than 5 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250 or more employees
PUERTO RICO, TOTAL								
Number of establishments.....	1,998	981	318	248	199	114	95	43
Number of employees.....	55,137	1,439	2,107	3,386	6,006	8,012	15,019	19,168
Value added by manufacture.....	\$93,420,523	1,775,645	\$2,840,625	\$4,889,583	\$10,824,913	\$12,038,321	\$22,803,401	\$38,248,035
Standard metropolitan areas:								
Mayaguez ¹								
Number of establishments.....	164	41	32	29	34	12	12	4
Number of employees.....	5,828	79	201	402	998	776	1,700	1,672
Value added by manufacture.....	\$8,602,403	\$98,822	\$269,123	\$631,083	\$2,083,516	\$820,571	\$2,119,311	\$2,579,977
Ponce ²								
Number of establishments.....	199	102	29	25	18	12	6	7
Number of employees.....	5,348	133	196	342	545	883	836	2,413
Value added by manufacture.....	\$9,909,413	\$190,339	\$273,213	\$478,902	\$985,677	\$1,150,016	\$525,461	\$6,305,805
San Juan ³								
Number of establishments.....	521	196	91	79	79	40	30	6
Number of employees.....	14,077	378	616	1,118	2,474	2,728	4,681	2,082
Value added by manufacture.....	\$28,367,944	\$515,635	\$919,669	\$1,757,164	\$4,977,032	\$3,862,955	\$9,720,087	\$6,615,402
Senatorial District I								
Number of establishments.....	566	213	98	85	83	43	35	9
Number of employees.....	16,344	402	669	1,189	2,564	2,955	5,590	2,975
Value added by manufacture.....	\$32,003,069	\$544,383	\$974,284	\$1,974,914	\$5,163,058	\$4,041,948	\$10,917,426	\$8,387,056
Senatorial District II								
Number of establishments.....	212	107	31	24	15	16	12	7
Number of employees.....	7,093	143	198	335	443	1,166	2,136	2,672
Value added by manufacture.....	\$9,746,734	\$173,239	\$288,610	\$383,757	\$453,213	\$2,124,533	\$2,599,986	\$3,723,396
Senatorial District III								
Number of establishments.....	138	91	22	14	5	1	3	2
Number of employees.....	1,924	147	150	186	211	(d)	1,230	(d)
Value added by manufacture.....	\$3,220,351	\$150,038	\$160,452	\$124,370	\$233,656	(d)	\$2,551,835	(d)
Senatorial District IV								
Number of establishments.....	347	144	56	51	49	24	16	7
Number of employees.....	9,997	219	356	692	1,466	1,641	2,278	3,345
Value added by manufacture.....	\$16,110,633	\$301,501	\$448,524	\$897,895	\$2,670,874	\$2,186,987	\$2,808,294	\$6,796,558
Senatorial District V								
Number of establishments.....	301	174	41	32	25	14	8	7
Number of employees.....	6,230	239	279	437	764	1,016	1,082	2,413
Value added by manufacture.....	\$10,928,281	\$286,035	\$456,206	\$540,541	\$1,284,834	\$1,408,824	\$646,036	\$6,305,805
Senatorial District VI								
Number of establishments.....	250	133	39	33	15	12	13	5
Number of employees.....	7,071	141	251	437	428	881	2,251	2,682
Value added by manufacture.....	\$12,240,466	\$177,707	\$302,963	\$780,043	\$459,977	\$2,063,169	\$3,491,509	\$4,965,098
Senatorial District VII								
Number of establishments.....	184	119	31	9	7	4	8	6
Number of employees.....	6,478	148	204	110	483	(d)	5,533	(d)
Value added by manufacture.....	\$9,170,989	\$142,742	\$209,586	\$188,063	\$772,161	(d)	\$6,487,537	(d)

¹The Mayaguez metropolitan area consists of Mayaguez municipality, in Senatorial District IV.

²The Ponce metropolitan area consists of Ponce municipality, in Senatorial District V.

³The San Juan metropolitan area consists of San Juan, Rio Piedras, Cataño, Guaynabo and Bayamon municipalities, in Senatorial District I.

Table 3.--EXPENDITURES FOR PLANT AND EQUIPMENT, BY STANDARD METROPOLITAN AREAS AND SENATORIAL DISTRICTS: 1949

(For explanation of column captions, see GENERAL EXPLANATIONS)

Standard metropolitan area and Senatorial District	Value added by manufacture		Expenditures for new plant and equipment			Expenditures for used plant and equipment
	For all establishments	For establishments reporting expenditures for plant and equipment	Total	New structures and additions to plant	New machinery and equipment	
Puerto Rico, total.....	\$93,420,523	\$76,590,421	\$16,586,475	\$4,025,130	\$12,561,345	\$4,945,984
Standard metropolitan areas:						
Mayagüez ¹	8,602,403	7,238,718	976,802	377,826	598,976	155,414
Ponce ²	9,909,413	8,326,131	3,488,959	276,734	3,212,225	4,066,775
San Juan ³	28,367,944	19,515,170	3,025,082	1,198,667	1,826,415	112,806
Senatorial District I.....	32,003,069	22,601,494	3,487,856	1,229,323	2,258,533	142,715
Senatorial District II.....	9,746,734	8,905,556	2,774,136	509,575	2,264,561	22,104
Senatorial District III.....	3,220,351	2,676,390	1,697,448	477,775	1,219,673	374,181
Senatorial District IV.....	16,110,633	13,952,357	2,522,942	771,467	1,751,475	155,414
Senatorial District V.....	10,928,281	8,856,489	3,507,684	276,734	3,230,950	4,068,775
Senatorial District VI.....	12,240,466	11,088,830	1,023,774	493,021	530,753	8,011
Senatorial District VII.....	9,170,989	8,509,305	1,572,635	267,235	1,305,400	174,784

¹The Mayaguez metropolitan area consists of Mayagüez municipality, in Senatorial District IV.²The Ponce metropolitan area consists of Ponce municipality, in Senatorial District V.³The San Juan metropolitan area consists of San Juan, Río Piedras, Cataño, Guaynabo and Bayamon municipalities, in Senatorial District I.

Table 4.--INVENTORIES AT BEGINNING AND END OF YEAR, BY STANDARD METROPOLITAN AREAS AND SENATORIAL DISTRICT: 1949

(For explanation of column captions, see GENERAL EXPLANATIONS)

Standard metropolitan area and Senatorial District	Value added by manufacture		Beginning of the year			End of the year		
	For all establishments	For establishments reporting expenditures for plant and equipment	Total inventories	Finished products	Materials, supplies, work in process, etc.	Total inventories	Finished products	Materials, supplies, work in process, etc.
Puerto Rico, total.....	\$93,420,523	\$76,590,421	\$56,707,166	\$22,334,948	\$34,372,218	\$51,868,667	\$19,031,183	\$32,837,484
Standard metropolitan areas:								
Mayagüez ¹	8,602,403	7,238,718	3,289,450	282,589	3,006,861	3,642,066	509,501	3,132,565
Ponce ²	9,909,413	8,326,131	7,309,865	2,314,239	4,995,626	7,937,531	3,162,283	4,775,248
San Juan ³	28,367,944	19,515,170	8,763,629	1,943,706	6,819,923	9,463,266	2,850,633	6,612,633
Senatorial District I.....	32,003,069	22,601,494	11,194,411	3,110,338	8,084,073	11,158,285	3,272,927	7,885,358
Senatorial District II.....	9,746,734	8,905,556	7,172,270	2,726,498	4,445,772	6,410,136	2,093,021	4,317,115
Senatorial District III.....	3,220,351	2,676,390	1,459,059	662,653	796,406	1,352,734	620,120	732,614
Senatorial District IV.....	16,110,633	13,952,357	9,354,043	340,607	9,013,436	10,307,332	1,282,966	9,024,366
Senatorial District V.....	10,928,281	8,856,489	7,377,589	2,335,688	5,041,901	7,987,920	3,169,723	4,818,197
Senatorial District VI.....	12,240,466	11,088,830	12,332,710	7,307,518	5,025,192	8,295,034	4,276,965	4,018,069
Senatorial District VII.....	9,170,989	8,509,305	7,817,084	5,851,646	1,965,438	6,357,226	4,315,461	2,041,765

¹The Mayaguez metropolitan area consists of Mayagüez municipality, in Senatorial District IV.²The Ponce metropolitan area consists of Ponce municipality, in Senatorial District V.³The San Juan metropolitan area consists of San Juan, Río Piedras, Cataño, Guaynabo and Bayamon municipalities, in Senatorial District I.

LEGISLATION AUTHORIZING 1949 CENSUS OF MANUFACTURES FOR PUERTO RICO

I. Law passed by legislature of Puerto Rico:

NUM. 11

L E Y .

Para autorizar que se lleven a cabo en Puerto Rico censos de manufactura y negocios, y para fijar penalidades por las infracciones de esta ley.

DECRETASE POR LA ASAMBLEA LEGISLATIVA DE PUERTO RICO

Sección 1.- El Gobernador de Puerto Rico ordenará, cuando estime que así hacerlo es de conveniencia pública, que se lleven a cabo en Puerto Rico censos de manufactura y negocios; DISPONIENDOSE, que en el año 1950 se realizarán censos de esta naturaleza y éstos podrán incluir las operaciones llevadas a cabo durante el año 1949.

Sección 2.- El Gobernador de Puerto Rico podrá formalizar acuerdos con el Negociado del Censo del Departamento de Comercio de los Estados Unidos para que sea este Negociado el que conduzca la labor de levantamiento de los censos de manufactura y negocios en Puerto Rico.

Sección 3.- Será obligación de cada dueño, oficial, agente, encargado o ayudante del encargado de cualquier compañía, negocio, institución, establecimiento o cualquier otra organización, que sea requerida de información por oficiales o representantes de los oficiales de los censos de manufactura y negocios, a contestar correctamente y en su totalidad, según su mejor conocimiento, todas las preguntas referentes a su negocio o a récords o estadísticas bajo su custodia, que le sean formuladas a través de los cuestionarios preparados al efecto. Cualquier persona que viole las disposiciones de esta sección negándose a suministrar cualquier información requerida, será considerada culpable de un delito menos grave (misdemeanor) y convicta que fuere se le impondrá una multa no menor de cien (100) dólares ni mayor de quinientos (500) dólares, o cárcel por un término que no excederá de tres (3) meses, o ambas penas a discreción del tribunal; y cualquier persona que viole las disposiciones de esta sección suministrando a sabiendas datos falsos será multada en no más de cinco mil (5,000) dólares, o cárcel por un término que no exceda de doce (12) meses o ambas penas a discreción del tribunal.

Sección 4.- La información suministrada de acuerdo con las disposiciones de esta ley será usada únicamente, para los fines estadísticos para los cuales se suministró.

Sección 5.- Cualquier supervisor, enumerador, oficinista u otra persona empleada en el levantamiento de los censos de manufactura y negocios, que sin autorización previa publique o divulgue información obtenida por él a través de su condición de empleado en estos censos, será reo de un delito grave (felony) y convicta que fuere se le impondrá una multa no mayor de cinco mil (5,000) dólares o presidio por un término que no exceda de dos años, o ambas penas a discreción del tribunal; o si a sabiendas llenare un cuestionario ficticio será culpable de un delito grave (felony), y convicto que fuere se le impondrá una multa no mayor de diez mil (10,000) dólares o prisión por un término que no exceda de cinco (5) años, o ambas penas a discreción del tribunal; o si a sabiendas jurare y/o afirmare falsamente en cuanto a la veracidad de cualquier declaración hecha y/o suscrita por él bajo juramento o afirmación con arreglo a las disposiciones de esta Ley, será culpable de perjurio, y convicto que fuere se le impondrá una multa que no exceda de diez mil (10,000) dólares, o presidio por un término que no exceda de cinco (5) años o ambas penas a discreción del tribunal.

Sección 6.- Esta Ley, por ser de carácter urgente y necesaria, empezará a regir inmediatamente después de su aprobación.

Aprobada en 27 de marzo de 1950.

LEGISLATION AUTHORIZING 1949 CENSUS OF MANUFACTURES FOR PUERTO RICO--Continued

II. Act passed by Congress of the United States:

[PUBLIC LAW 671--80TH CONGRESS]

[CHAPTER 502--2D SESSION]

[S. 554]

AN ACT

To provide for the collection and publication of statistical information by the Bureau of the Census.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That (a) the Director of the Bureau of the Census, hereinafter referred to as the Director and the Bureau, respectively, is authorized and directed to take, compile, and publish the censuses of manufacturers, of mineral industries, and of other businesses, including the distributive trades, service establishments, and transportation (exclusive of means of transportation for which statistics are required by law to be filed with a designated regulatory body), in the year 1949 and every fifth year thereafter, and each such census shall relate to the year immediately preceding the taking thereof: *Provided*, That the census of manufacturers shall not be taken in 1949. The censuses herein provided for shall include the United States and its Territories and such possessions as may be determined by the Director with the approval of the Secretary of Commerce.

(b) That the Director is further authorized to make such surveys as are deemed necessary to furnish annual and other interim current data on the subjects covered by the censuses provided for in this and other Acts.

SEC. 2. That the following sections of the Act of June 18, 1929 (46 Stat. 21), shall apply to the censuses and surveys authorized by this Act: Section 3, as amended by section 404 of Reorganization Plan Numbered II (53 Stat. 1436), and sections 5, 7, 8, 9, 10, 11, 12, and 15, except that the Director may also authorize the expenditure of necessary sums for travel expenses for attendance at training courses held by the Bureau: *Provided*, That in connection with any survey conducted by the Director pursuant to section 1 (b) of this Act, the provisions of sections 9 and 10 of the Act of June 18, 1929 (46 Stat. 21), with respect to the answering of questions and furnishing of information, shall apply only to such inquiries as are within the scope of the schedules and of the type and character heretofore used in connection with the taking of complete censuses under the Act of June 18, 1929 (46 Stat. 21), or in connection with any censuses hereafter taken pursuant to section 1 (a) of this Act and the Act of June 18, 1929: *Provided further*, (a) That sections 9 and 10 of the Act of June 18, 1929 (46 Stat. 21), shall apply to surveys conducted pursuant to section 1 (b) of this Act only after publication of a determination with reasons therefor certified by the Director with the approval of the Secretary of Commerce that the information called for is needed to aid or permit the efficient performance of essential governmental functions or services; or has significant application to the needs of the public, business, or industry and is not publicly available from nongovernmental or other governmental sources; (b) that in the case of any new survey said sections 9 and 10 shall apply only after public notice, given by the Director at least thirty days in advance of requesting a return, that such survey is under consideration; (c) that the provisions of said sections 9 and 10 shall not apply to any survey more frequent than annual conducted pursuant to section 1 (b) of this Act; and (d) that the provisions for imprisonment provided by said sections 9 and 10 shall not apply in connection with any survey conducted pursuant to section 1 (b) of this Act.

SEC. 3. That inquiries, and the number, form, and subdivisions thereof for the censuses and surveys provided for in this Act, shall be determined by the Director, with the approval of the Secretary of Commerce. To the extent that the provisions of this Act conflict with the provisions of any other Act, pertaining to the Bureau of the Census, the provisions of this Act shall control: *Provided*, That nothing herein shall be deemed to revoke or impair the authority of any other Federal agency with respect to the collection or release of information.

Approved June 19, 1948.

REPORT FORMS

I. Page One of both the standard form MP-100 and the "long" form MP-200:

BUDGET BUREAU NO. 41-5012 APPROVAL EXPIRES DECEMBER 31, 1950

ESTA ENCUESTA ESTA AUTORIZADA POR UNA LEY DEL CONGRESO DE LOS ESTADOS UNIDOS (62 STAT. 478; 13 U.S.C. 121-123) Y UNA LEY DE LA LEGISLATURA DE PUERTO RICO (LEY NUM. 11 DEL 27 DE MARZO DE 1950) REQUIERE DE USTED QUE LLENE ESTE CUESTIONARIO. LA INFORMACION SUMINISTRADA POR USTED ES CONSIDERADA ESTRICTAMENTE CONFIDENCIAL BAJO LAS DISPOSICIONES DE LA LEY. SU INFORME CENSAL NO PUEDE SER USADO PARA PROPOSITOS DE IMPUESTOS, INVESTIGACION O REGLAMENTACION.

Forma MP-100
(3-28-50)

PUERTO RICO
CENSO DE MANUFACTURAS: 1949

DEPARTAMENTO DE COMERCIO
DE LOS ESTADOS UNIDOS
NEGOCIADO DEL CENSO

(Tenga la bondad de corregir cualquier error en el nombre y dirección arriba indicada)

Tenga la bondad de llenar y devolver esta forma no más tarde del 1^{ro} de mayo de 1950, al Negociado del Censo, en el sobre con dirección que le incluimos. Lea cuidadosamente las instrucciones que le adjuntamos antes de contestar cada pregunta. Retenga la copia verde para sus archivos.

Sección 1	NOMBRE DEL ESTABLECIMIENTO	NO USE ESTA LINEA	INDUSTRY	MUNIC.	T.E.	V.P.	V.A.	C.O.	PLANT NO.																									
Sección 2	LOCALIZACION DEL ESTABLECIMIENTO	Sección 5	(omita centavos)																															
A. Calle y número _____ B. Ciudad o pueblo _____ C. Barrio _____ D. Municipalidad _____ E. ¿Está este establecimiento localizado dentro de los límites urbanos actuales de la ciudad o pueblo arriba mencionado? Marque uno ☐ Sí ☐ No		A. JORNALES PAGADOS A LOS OBREROS DE PRODUCCION Y A OTROS OBREROS RELACIONADOS CON LA PRODUCCION EN 1949 (Vea la instrucciones para explicación)..... \$ _____ B. SALARIOS Y JORNALES PAGADOS A TODOS LOS OTROS EMPLEADOS EN 1949. (Incluya los salarios a los oficiales, el personal administrativo, supervisor, técnico y clerical, a los vendedores y a cualquier otro personal no relacionado directamente con la producción. No incluya pagos hechos al dueño o a socios)..... \$ _____ C. TOTAL DE SALARIOS Y JORNALES PAGADOS EN 1949 (Suma de A y B)..... \$ _____																																
Sección 3	A. ¿HUBO CAMBIO DE DUEÑO EN ESTE ESTABLECIMIENTO DURANTE EL 1949? Marque uno: ☐ Sí ☐ No Si la contestación es afirmativa, marque uno: ☐ Comprado por el informante ☐ Vendido por el informante ☐ Arrendado al informante ☐ Arrendado a otro por el informante Anote el nombre y la dirección actual del dueño anterior o subsiguiente, y la fecha del cambio de dominio. Si el establecimiento no operó durante el 1949, explique a continuación: B. ¿CUANDO EMPEZO A OPERAR ESTE ESTABLECIMIENTO? Marque uno: ☐ Antes de 1940 ☐ En 1940, o después Si empezó a operar en 1940 o después, indique el año _____.	Sección 6	NUMERO DE PERSONAS EMPLEADAS EN CIERTAS JORNADAS DE PAGO DURANTE 1949 <table border="1"> <tr> <td colspan="5">Jornada de Pago que terminó alrededor del día 15 de</td> </tr> <tr> <td>Feb.</td> <td>Mayo</td> <td>Agto.</td> <td>Nov.</td> <td></td> </tr> <tr> <td colspan="5">A. TRABAJADORES DE PRODUCCION Y OTROS RELACIONADOS (Vea instrucciones para explicación).....</td> </tr> <tr> <td colspan="5">B. TODOS LOS OTROS EMPLEADOS (Vea 5B arriba para explicación).....</td> </tr> <tr> <td colspan="5">C. NUMERO TOTAL DE EMPLEADOS (Suma de A y B).....</td> </tr> </table>							Jornada de Pago que terminó alrededor del día 15 de					Feb.	Mayo	Agto.	Nov.		A. TRABAJADORES DE PRODUCCION Y OTROS RELACIONADOS (Vea instrucciones para explicación).....					B. TODOS LOS OTROS EMPLEADOS (Vea 5B arriba para explicación).....					C. NUMERO TOTAL DE EMPLEADOS (Suma de A y B).....				
Jornada de Pago que terminó alrededor del día 15 de																																		
Feb.	Mayo	Agto.	Nov.																															
A. TRABAJADORES DE PRODUCCION Y OTROS RELACIONADOS (Vea instrucciones para explicación).....																																		
B. TODOS LOS OTROS EMPLEADOS (Vea 5B arriba para explicación).....																																		
C. NUMERO TOTAL DE EMPLEADOS (Suma de A y B).....																																		
Sección 4	TIPO DE DOMINIO (Marque uno) ☐ Propietario individual ☐ Sociedad ☐ Corporación ☐ Otra (especifique) Si el dominio es de propietario individual o sociedad, anote el nombre del dueño o de cada uno de los socios.	Sección 7	COSTO DE TODOS LOS MATERIALES, PIEZAS, EFECTOS, ENVASES, COMBUSTIBLES Y ENERGIA ELECTRICA CONSUMIDOS EN EL AÑO 1949..... \$ _____ (omita centavos)																															
		Sección 8	COSTO DE TRABAJO HECHO PARA USTED POR OTROS EN MATERIALES POSEIDOS POR USTED..... \$ _____ (omita centavos)																															
		NO USE ESTA LINEA	P.W.	T.E.	TOTAL ITEM 9	TOTAL ITEM 7 AND 8	VALUE ADDED																											

REPORT FORMS

II. Page Two of the standard form MP-100:

Sección 9	PRODUCTOS VENDIDOS DURANTE EL AÑO 1949: EN ESTA PREGUNTA DEBEN CONSIDERARSE TODOS LOS PRODUCTOS VENDIDOS POR ESTE ESTABLECIMIENTO DURANTE EL AÑO 1949. INFORME SEPARADAMENTE LOS PRINCIPALES PRODUCTOS QUE USTED ELABORA.				
	PRODUCTOS VENDIDOS <i>(Informe cada producto principal en una línea separada y agrupe los otros en la línea 6)</i> (A)	Unidad de medida (B)	Cantidad (C)	Valor f.o.b. fábrica <i>(omita centavos)</i> (D)	No use esta Columna
1.				\$	
2.				\$	
3.				\$	
4.				\$	
5.				\$	
6. TODOS LOS OTROS PRODUCTOS		XXX	XXX	\$	
7. Ingreso por concepto de trabajo hecho para otros en materiales poseídos por ellos. Describa el producto y la clase de trabajo.		XXX	XXX	\$	
8. OTROS INGRESOS DE ACTIVIDADES MANUFACTURERAS (ventas de hierro viejo, reparaciones, etc.)		XXX	XXX	\$	
9. TOTAL (Suma de 1 a 8)		XXX	XXX	\$	
Sección 10	DESCRIBA BREVEMENTE LOS PROCESOS PRINCIPALES EMPLEADOS EN LA ELABORACION DE LOS PRODUCTOS ARRIBA INFORMADOS. (Por ejemplo: Refinación de azúcar, destilado de alcohol, bordado a mano, etc.)		Sección 12	¿FUE VENDIDO FUERA DE PUERTO RICO EL 75% O MAS DEL VALOR DE LOS PRODUCTOS ELABORADOS EN 1949? Marque uno: ☐ Sí ☐ No Si la contestación es "No", fueron la mayor parte de las ventas locales hechas a (marque uno): ☐ Mayoristas ☐ Detallistas ☐ Consumidores	
Sección 11	ENUMERE A CONTINUACION LOS PRINCIPALES MATERIALES USADOS EN LA ELABORACION DE LOS PRODUCTOS ARRIBA INFORMADOS:				
Sección 13	COMENTARIOS				
Sección 14	CERTIFICACION: El infrascrito certifica que a su mejor entender la información contenida en este informe es sustancialmente completa y correcta y que cubre las operaciones de este establecimiento desde el _____ de 1949 al _____ de 1949. _____ Por _____ (Nombre de la Compañía) (Firma de la persona autorizada) _____ (Fecha) (Título)				

REPORT FORMS

III. Page Two of the "long" form MP-200:

Sección 9	PRODUCTOS VENDIDOS DURANTE EL AÑO 1949: EN ESTA PREGUNTA DEBEN CONSIDERARSE TODOS LOS PRODUCTOS VENDIDOS POR ESTE ESTABLECIMIENTO DURANTE EL AÑO 1949. INFORME SEPARADAMENTE LOS PRINCIPALES PRODUCTOS QUE USTED ELABORA. Dé información completa en las columnas B, C y D para cualquier producto vendido por usted en el año 1949 que aparezca anotado abajo en las líneas 1-12. Describa en sus propias palabras en las líneas 13-17 de la columna A cualquier otro producto que usted haya vendido y no aparezca anotado en las líneas 1-12. Use una línea para cada producto, llenando en forma completa las columnas B, C y D para cada uno de éstos. Si le hace falta más espacio, use la sección para comentarios, sección 13.				
	PRODUCTOS VENDIDOS (A)	Unidad de medida (B)	Cantidad (C)	Valor f.o.b. fábrica (omita centavos) (D)	No use esta columna
	1. Cemento	Barril		\$	
	2. Azúcar refinado	Tonelada corta		\$	
	3. Azúcar crudo	Tonelada corta		\$	
	4. Ron	Galón prueba		\$	
	5. Botellas de cristal	Tonelada		\$	
	6. Cerveza	Galón		\$	
	7. Pañuelos	Docena		\$	
	8. Guantes	Docena de pares		\$	
	9. Piña molida enlatada	Libra		\$	
	10. Tabaco despallado	Libra		\$	
	11. Camisas de hombre	Docena		\$	
	12. Muebles para el hogar			\$	
	ANOTE TODOS LOS OTROS PRODUCTOS IMPORTANTES EN LAS LINEAS SIGUIENTES	XXX	XXX	XXX	XXX
	13.			\$	
	14.			\$	
	15.			\$	
	16.			\$	
	17.			\$	
	18. Ingresos por concepto de trabajo hecho a otros en materiales poseídos por ellos. Describa el producto y la clase de trabajo.	XXX	XXX	\$	
	19. Ingresos de otras actividades manufactureras (hierro viejo, reparaciones, etc.)	XXX	XXX	\$	
	20. TOTAL (Suma del 1 al 20)	XXX	XXX	\$	
Sección 10	DESCRIBA BREVEMENTE LOS PROCESOS PRINCIPALES EMPLEADOS EN LA ELABORACION DE LOS PRODUCTOS ARRIBA INFORMADOS. (Porejemplo: Refinación de azúcar, destilado de alcohol, bordado a mano, etc.		Sección 12	¿FUE VENDIDO FUERA DE PUERTO RICO EL 75% O MAS DEL VALOR DE LOS PRODUCTOS ELABORADOS EN 1949?	
				Marque uno: ☐ Sí ☐ No	
Sección 11	ENUMERE A CONTINUACION LOS PRINCIPALES MATERIALES USADOS EN LA ELABORACION DE LOS PRODUCTOS ARRIBA INFORMADOS:		Sección 13	Si la contestación es "No", fueron la mayor parte de las ventas locales hechas a (marque uno):	
				☐ Mayoristas ☐ Detallistas ☐ Consumidores	
Sección 13	INVENTARIOS: Informe el valor de todos los inventarios, no importa donde estén localizados, a cuenta de este establecimiento. Incluya los artículos de su propiedad almacenados por otros. No incluya los artículos almacenados por usted que sean propiedad de otros.		Sección 14	INVERSION DE CAPITAL EN ESTE ESTABLECIMIENTO DURANTE EL 1949 (EXCLUYA TIERRAS):	
	PARTIDA	A PRINCIPIO DEL AÑO (Especifique la fecha) (omita centavos) (A)	A FIN DEL AÑO (Especifique la fecha) (omita centavos) (B)	Inversión (omita centavos)	
	A. INVENTARIOS DE PRODUCTOS TERMINADOS DE ESTE ESTABLECIMIENTO....	\$	\$	A. NUEVAS ESTRUCTURAS Y AMPLIACIONES A LA FABRICA..... \$	
	B. MATERIALES, SUMINISTROS, TRABAJO EN PROCESO, COMBUSTIBLE Y CUALQUIERA OTROS.....	\$	\$	B. MAQUINARIA Y EQUIPO NUEVO.. \$	
	C. TOTAL DE INVENTARIOS (Suma de A y B).....	\$	\$	C. INVERSION EN ESTRUCTURAS USADAS Y MAQUINARIA Y EQUIPO USADO ADQUIRIDOS DE OTROS DUEÑOS..... \$	
				D. INVERSIONES TOTALES (Suma de A, B y C)..... \$	
Sección 15	COMENTARIOS				
Sección 16	CERTIFICACION: El infrascrito certifica que a su mejor entender la información contenida en este informe es sustancialmente completa y correcta y que cubre las operaciones de este establecimiento desde el _____ de 1949 al _____ de 1949. _____ Por _____ Nombre de la Compañía Firma de la persona autorizada _____ Fecha Título				

IV. Instructions to standard form MP-100:

DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS
NEGOCIADO DEL CENSO
EN COOPERACION CON EL GOBIERNO DE PUERTO RICO
CENSO DE INDUSTRIAS DE PUERTO RICO, 1949
Instrucciones a los industriales para preparar los informes
(Forma MP-100)

A. ¿Quiénes deben informar?

Todo industrial que reciba una forma es requerido por Ley del Congreso de los Estados Unidos (62 Stat. 478; 13 U.S.C. 121-123) y una Ley de la Legislatura de Puerto Rico (Ley Num. 11 del 27 de marzo de 1950) a someter un informe por separado, en uno de los blancos del Censo Industrial, para cada uno de los establecimientos industriales que haya operado en cualquier parte del año natural 1949. Si el nombre y dirección que aparecen en la forma que se incluye está incorrecto, haga los cambios necesarios y llene el cuestionario.

B. ¿Es necesario contestar todas las preguntas?

Sí. Se requiere una contestación completa a todas las preguntas. Si esto no se hace así será necesario obtener la información que falte a través del correo o por la visita de un representante del Negociado del Censo. Si alguna de las preguntas no tienen aplicación a su negocio, indíquelo poniendo "nada" o "0" (cero) después de la pregunta explicando brevemente en el espacio que se provee al final de cada cuestionario para "comentarios". Si sus libros no ofrecen la información exacta necesaria para contestar alguna de las preguntas, se aceptarán estimados que hayan sido preparados cuidadosamente.

C. ¿Qué período debe cubrir este informe?

Este informe deberá cubrir el año comenzando el 1^{ro}. de enero de 1949 y terminando el 31 de diciembre de 1949. Si sus libros no son mantenidos a base del año natural, se aceptarán estimados por dicho período siempre que los mismos sean preparados cuidadosamente.

D. ¿Cuándo y a quién debe devolverse este informe?

Es necesario que usted devuelva su informe a la Oficina del Censo, Caseta L, PRRA, Puerta de Tierra, Puerto Rico, no mas tarde del 1 de mayo de 1950. Copias adicionales de este cuestionario pueden conseguirse en dicha oficina.

PARTIDAS EN EL CUESTIONARIO

(*Sírvase leer detenidamente las instrucciones para cada pregunta antes de anotar su contestación*)

Sección 1. "Nombre del establecimiento".--Indique el nombre bajo el cual este establecimiento realiza sus transacciones.

Sección 2. "Localización del establecimiento".--Esta partida se refiere a la localización física del establecimiento, que puede diferir del sitio donde se recibe la correspondencia.

Sección 3. (Véase instrucciones en el cuestionario)

Sección 4. (Véase instrucciones en el cuestionario)

Sección 5A. "Jornales pagados a los obreros de producción y a otros obreros relacionados con la producción en 1949."--Informe el total de jornales pagados a los capataces de producción y a todos los obreros que no ejecuten trabajos de supervisión (*incluyendo aprendices*) empleados en fabricar, procesar, armar, inspeccionar, recibir, depositar, manejar, o en el empaque, almacenamiento, embarque, mantenimiento, reparación, limpieza, servicio de guardia, desarrollo de productos, producción adicional para el uso de la misma fábrica (*e.g., fuerza eléctrica producida en la fábrica*), mantenimiento de registros y cualesquiera otros servicios íntimamente relacionados con las operaciones de producción detallados anteriormente. Excluya los jornales y salarios pagados a supervisores de mayor rango que capataces de producción, y a su personal de oficina. Excluya jornales y salarios de empleados de oficina (*mecanógrafos, taquígrafos, tenedores de libros, etc.*) y a todos los otros empleados dedicados a actividades ejecutivas, de compras, de financiamiento, legales, de personal, profesionales, técnicas, de ventas, de entrega (*incluyendo conductores -vendedores*), de publicidad, de crédito, de instalación y de servicio de los productos de la fábrica y otras actividades que no sean de producción.

Sección 5B. (Véase instrucciones en el cuestionario)

Sección 5C. (Véase instrucciones en el cuestionario)

Sección 6. "Número de personas empleadas en ciertas jornadas de pago durante el 1949".

Sección 6A. "Trabajadores de producción y otros relacionados."--Para la definición "trabajadores de producción y otros relacionados", vea instrucciones en la Sección 5A.

Sección 6B. (Véase instrucciones en el cuestionario)

Sección 6C. (Véase instrucciones en el cuestionario)

IV. Instructions to standard form MP-100--Continued

Sección 7. "Costo de todos los materiales, piezas, efectos, envases, combustibles y energía eléctrica consumida".—"Costo" cubre los cargos directos pagados o a pagarse después de los descuentos, e incluye fletes. A continuación encontrarán ejemplos de materiales, piezas, efectos, y combustibles usados en muchas industrias. Asegúrese de que incluye el costo de cualquiera de estos materiales y de cualquiera otros materiales consumidos o usados en la producción por este establecimiento durante el año 1949.

MATERIALES

Ganado	Piezas fundidas
Granos	Accesorios
Grasas y Aceites	Acido sulfúrico
Cemento	Goma
Chatarra	Estampados
Varillas	Frutas
Tintes	Azúcar
Resinas	Hilazas
Pigmentos	Cristal
Petróleo crudo	Minerales
Carnes	Planchas
Harina	Madera enchapada
Fibras	Alcoholes
Arcilla	Carbón
Lingotes y pletinas	Alambres

PARTES

Bombas	Engranajes
Motores	Cojinetes
Ruedas	Efectos de ferretería

EFFECTOS

Pernos, tornillos y tuercas	Pinturas y barnices
Aceites lubricantes	Papelaría, sellos de correo y efectos de oficina
Jabón y efectos de limpieza	Agua
Tarimas	Barras de soldar, electrodos y acetileno
Barrenas, herramientas, dados, plantillas y cualquier otro accesorio que se cargue a las cuentas corrientes	Avíos
	Efectos de primera ayuda y de seguridad

ENVASES

Cybos	Huacales
Cajas y sacos	Tubos
Barriles y drones	

COMBUSTIBLE

Leña	Gas de petróleo líquido
Aceite combustible	Gas (natural o producido)
Carbón	

Sección 8. "Costo del trabajo hecho para usted por otros en materiales poseídos por usted (trabajo por contrato)".— Si otros hicieron trabajo en material suministrado por su establecimiento, informe el total de pagos hechos durante el 1949 por dicho trabajo incluyendo fletes. Excluya el costo del material usado, el que debe ser incluido en la partida 7.

Sección 9. "Productos vendidos durante el año 1949".—

Describa en sus propias palabras cada uno de los principales productos que vendió durante el año 1949 usando una línea de la columna A para cada producto. Entonces complete las columnas B, C y D de acuerdo con las instrucciones que aparecen en el cuestionario. A continuación le damos ejemplos de productos junto a sus respectivas unidades de medida. Esto no es una lista completa de todos los productos vendidos por industriales puertorriqueños. Asegúrese de incluir en su información cualquier otro producto que usted pueda haber vendido.

Producto	Unidad de medida
Mantecado	Galón
Pan	Libra
Hielo	Libra
Cigarros	Millar
Pasta de guayaba	Libra
Vino	Galón

Sección 10. (Véase instrucciones en el cuestionario)

Sección 11. (Véase instrucciones en el cuestionario)

Sección 12. (Véase instrucciones en el cuestionario)

Sección 13. (Véase instrucciones en el cuestionario)

Sección 14. (Véase instrucciones en el cuestionario)

V. Instructions to "Long" form MP-200:

DEPARTAMENTO DE COMERCIO DE LOS ESTADOS UNIDOS
NEGOCIADO DEL CENSO
EN COOPERACION CON EL GOBIERNO DE PUERTO RICO
CENSO DE INDUSTRIAS DE PUERTO RICO, 1949
 Instrucciones a los industriales para preparar los informes
 (Forma MP-200)

A. ¿Quiénes deben informar?

Todo industrial que reciba una forma es requerido por Ley del Congreso de los Estados Unidos (62 Stat. 478; 13 U.S.C. 121-123) y una Ley de la Legislatura de Puerto Rico (Ley Num. 11 del 27 de marzo de 1950) a someter un informe por separado, en uno de los blancos del Censo Industrial, para cada uno de los establecimientos industriales que haya operado en cualquier parte del año natural 1949. Si el nombre y dirección que aparecen en la forma que se incluye esta incorrecto, haga los cambios necesarios y llene el cuestionario.

B. ¿Es necesario contestar todas las preguntas?

Sí. Se requiere una contestación completa a todas las preguntas. Si esto no se hace así será necesario obtener la información que falte a través del correo o por la visita de un representante del Negociado del Censo. Si alguna de las preguntas no tienen aplicación a su negocio, indíquelo poniendo "nada" o "0" (*cero*) después de la pregunta explicando brevemente en el espacio que se provee al final de cada cuestionario para "comentarios". Si sus libros no ofrecen la información exacta necesaria para contestar alguna de las preguntas, se aceptarán estimados que hayan sido preparados cuidadosamente.

C. ¿Qué período debe cubrir este informe?

Este informe deberá cubrir el año comenzando el 1^o de enero de 1949 y terminando el 31 de diciembre de 1949. Si sus libros no son mantenidos a base del año natural, se aceptarán estimados por dicho período siempre que los mismos sean preparados cuidadosamente.

Si este establecimiento empezó a funcionar o cesó sus operaciones durante ese año, las fechas informadas en la certificación al calce del cuestionario deben indicar el período exacto que cubre este informe. Si durante la primera parte del año este establecimiento fué operado por otra administración y los libros están disponibles, prepare sus informes por el año completo.

D. ¿Cuándo y a quién debe devolverse este informe?

Es necesario que usted devuelva su informe a la Oficina del Censo, Caseta L, PRRA, Puerta de Tierra, Puerto Rico, no más tarde del 1 de mayo de 1950. Si le es imposible completarlo para dicha fecha, sírvase comunicarse con esta Oficina del Censo. Copias adicionales de este cuestionario pueden conseguirse en dicha oficina.

PARTIDAS EN EL CUESTIONARIO

(*Sírvase leer detenidamente las instrucciones para cada pregunta antes de anotar su contestación*)

Sección 1. "Nombre del establecimiento".—Indique el nombre bajo el cual este establecimiento realiza sus transacciones. Si éste es uno de varios establecimientos que realizan transacciones bajo el mismo nombre, informe también el nombre o número por el que se le distingue de los otros establecimientos de la misma compañía. Por ejemplo: Central Juncos, Juncos, Puerto Rico, (*Esta central forma parte de la Eastern Sugar Association*). Si es uno de varios establecimientos con la misma dirección, indique el tipo de actividad. Por ejemplo: Eastern Sugar Associates, Refinería.

Sección 2. "Localización del establecimiento".—Esta partida se refiere a la localización física del establecimiento, que puede diferir del sitio donde se recibe la correspondencia.

Sección 3. (Véase instrucciones en el cuestionario)

Sección 4. (Véase instrucciones en el cuestionario)

Sección 5A. "Jornales pagados a los obreros de producción y a otros obreros relacionados con la producción en 1949".—Informe el total de jornales pagados a los capataces de producción y a todos los obreros que no ejecuten trabajos de supervisión (*incluyendo aprendices*) empleados en fabricar, procesar, armar, inspeccionar, recibir, depositar, manejar, o en el empaque, almacenamiento, embarque, mantenimiento, reparación, limpieza, servicio de guardia, desarrollo de productos, producción adicional para el uso de la misma fábrica (*e.g., fuerza eléctrica producida en la fábrica*), mantenimiento de registros y cualesquiera otros servicios íntimamente relacionados con las operaciones de producción detallados anteriormente. Excluya los jornales y salarios pagados a supervisores de mayor rango que capataces de producción y a su personal de oficina. Excluya jornales y salarios de empleados de oficina (*mecanógrafos, taquígrafos, tenedores de libros, etc.*) y a todos los otros empleados

V. Instructions to "Long" form MP-200--Continued

dedicados a actividades ejecutivas, de compras, de financiamiento, legales, de personal, profesionales, técnicas, de ventas, de entrega (*incluyendo conductores-vendedores*), de publicidad, de crédito, de cobro, de instalación y servicio de los productos de la fábrica y otras actividades que no sean de producción.

Sección 5B. (Véase instrucciones en el cuestionario)

Sección 5C. (Véase instrucciones en el cuestionario)

Sección 6. "Número de personas empleadas en ciertas jornadas de pago durante el 1949".

Sección 6A. "Trabajadores de producción y otros relacionados".--Para la definición de "trabajadores de producción y otros relacionados", vea instrucciones en la Sección 5A.

Sección 6B. (Véase instrucciones en el cuestionario)

Sección 6C. (Véase instrucciones en el cuestionario)

Sección 7. "Costo de todos los materiales, piezas, efectos, envases, combustibles y energía eléctrica consumida".--"Costo" cubre los cargos directos pagados o a pagarse después de los descuentos, e incluye fletes. Incluye materiales, etc., recibidos de otras fábricas de su compañía al valor aproximadamente del mercado más fletes y otros gastos directos de manejo. Incluye materiales de su propiedad pero usados por otros en la fabricación de productos para usted. Incluye materiales y efectos usados en el mantenimiento y reparación de su planta y equipo así como para la producción. Excluye la compra de productos revendidos en las mismas condiciones en que fueron comprados. Excluye materiales, efectos, maquinarias y equipo usados en la construcción de nueva planta y nuevo equipo, los costos los cuales son cargados a las cuentas del activo fijo y deben ser incluidas en la partida 14. A continuación damos ejemplos adicionales de materiales, piezas, efectos, envases y combustibles utilizados en muchas industrias. Asegúrese de incluir el costo de cualquiera de estos materiales y de cualquiera otros materiales consumidos o utilizados en la producción por este establecimiento durante el año 1949.

MATERIALES

Ganado
Granos
Grasas y aceites
Tintes
Resinas
Cemento
Chatarra
Varillas
Estampados
Goma
Carnes
Harina
Fibras
Accesorios
Acido sulfúrico

Arcilla
Lingotes y pletinas
Piezas fundidas
Alambres
Carbón
Frutas
Azúcar
Hilazas
Madera enchapada
Alcoholes
Cristal
Minerales
Planchas
Pigmentos
Petróleo crudo

PARTES

Bombas
Motores
Ruedas
Engranajes
Cojinetes
Efectos de ferretería

EFFECTOS

Pernos, tuercas y tornillos
Aceites lubricantes
Jabón y efectos de limpieza
Tarimas
Barrenas, herramientas, dados, planillas y cualquier otro accesorio que se cargue a las cuentas corrientes

Pinturas y barnices
Papelería, sellos de correo y efectos de oficina
Agua
Barras de soldar, electrodos y acetileno
Avíos
Efectos de primera ayuda y de seguridad

ENVASES

Cubos
Cajas y sacos
Barriles y drones

Huacales
Tubos

COMBUSTIBLE

Leña
Aceite combustible
Carbón

Gas de petróleo líquido
Gas (natural o producido)

Sección 8. "Costo del trabajo hecho para usted por otros en materiales poseídos por usted (*trabajo por contrato*)".--Si otros hicieron trabajo en material suministrado por su establecimiento, informe el total de pagos hechos durante el 1949 por dicho trabajo incluyendo fletes. Excluya el costo del material usado, el que debe ser incluido en la partida 7.

Sección 9. (Véase instrucciones en el cuestionario)

Sección 10. (Véase instrucciones en el cuestionario)

Sección 11. (Véase instrucciones en el cuestionario)

Sección 12. (Véase instrucciones en el cuestionario)

Sección 13. (Véase instrucciones en el cuestionario)

Sección 14. "Inversión de capital en este establecimiento durante el 1949 (*excluya terreno*)". Las inversiones se refieren a todos los costos incurridos durante el año 1949 que deben ser cargados a las cuentas de activo fijo de este establecimiento y que son del tipo para los cuales ordinariamente se mantienen cuentas de depreciación. Estas inversiones serán iguales a las ampliaciones terminadas durante el año más aquellas en construcción al terminar el año menos aquellas en construcción al empezar el año. No incluya costos incurridos para mantenimiento y reparaciones.

Sección 14A. "Nuevas estructuras y ampliaciones a la planta".--Informe el total de inversiones durante el 1949 por concepto de nuevas edificaciones, ampliaciones y alteraciones a los edificios y a otros bienes inmuebles de este establecimiento.

Sección 14B. "Maquinaria y equipo nuevo".--Informe la inversión total para maquinaria y equipo nuevos de producción y toda otra maquinaria y equipo nuevos. Incluya maquinaria y equipo nuevos comprado con fines de reposición, así como para aumentar la capacidad.

Sección 14C. "Inversiones en estructuras usadas y maquinaria y equipo usado".--Informe las inversiones totales para la adquisición de plantas existentes usadas y para la compra de equipo de segunda mano adquirido de otros dueños (*incluyendo el Gobierno de los Estados Unidos*).

Sección 15. (Véase instrucciones en el cuestionario, así como también el tópico "B" de estas instrucciones).

Sección 16. (Véase instrucciones en el cuestionario)