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## APPENDIXES

- A.—Legal provisions for Biennial Census of Manufactures
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## APPENDIX A

### PROVISIONS OF LAW RELATING TO THE BIENNIAL CENSUS OF MANUFACTURES

[From Fifteenth Census Act, approved June 18, 1929]

SEC. 17.—That the Director of the Census be, and he is hereby, authorized and directed to collect and publish, for every second year after 1927, statistics of manufacturing industries; and the director is hereby authorized to prepare such schedules as in his judgment may be necessary.

SEC. 10.—That it shall be the duty of every owner, official, agent, person in charge, or assistant to the person in charge, of any company, business, institution, establishment, religious body, or organization of any nature whatsoever, to answer completely and correctly to the best of his knowledge all questions relating to his respective company, business, institution, establishment, religious body, or other organization, or to records or statistics in his official custody, contained on any census schedule prepared by the Director of the Census under the authority of this act, or of the act to provide for a permanent Census Office, approved March 6, 1902, or of acts amendatory thereof or supplemental

thereto; and any person violating the provisions of this section by refusing or willfully neglecting to answer any of said questions shall be guilty of a misdemeanor, and upon conviction thereof shall be fined not exceeding \$500, or imprisoned for a period not exceeding 60 days, or both so fined and imprisoned, and any person violating the provisions of this section by willfully giving answers that are false shall be fined not exceeding \$10,000 or imprisoned for a period not exceeding one year, or both.

SEC. 11.—That the information furnished under the provisions of this act shall be used only for the statistical purposes for which it is supplied. No publication shall be made by the Census Office whereby the data furnished by any particular establishment or individual can be identified, nor shall the Director of the Census permit anyone other than the sworn employees of the Census Office to examine the individual reports.

# APPENDIX B

Your report is required by Act of Congress. This Act also makes it unlawful for the Bureau to disclose any facts, including names or identity from your census reports. Only sworn census employees will see your statements. Data collected will be used solely for preparing statistical information concerning the Nation's population, resources, and business activities. Your Census Reports Cannot be Used for Purposes of Taxation, Regulation, or Investigation.

<p><b>DO NOT USE</b></p> <p>(Industry number) _____</p> <p>(State and county) _____</p> <p>(City) (Ind. area) (C. of O.) _____</p> <p>(Central office number) _____</p> <p>(Schedule number) _____</p>	<p><b>FORM 100</b></p> <p><b>DEPARTMENT OF COMMERCE</b></p> <p><b>BUREAU OF THE CENSUS</b></p> <p><b>WASHINGTON</b></p> <p><b>CENSUS OF MANUFACTURES: 1939</b></p> <p><b>GENERAL SCHEDULE</b></p> <p>File No. _____</p>
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**INQUIRY 1.—DESCRIPTION OF PLANT (See Instructions):**

A separate report should be made for each plant, except as explained in Instructions.

How many plants does this report cover? \_\_\_\_\_

If more than one, give names and locations under "Remarks." (See Instructions.)

(a) Name of plant \_\_\_\_\_

(b) Name of owner or operator \_\_\_\_\_

**LEGAL FORM OF ORGANIZATION**  
(Place check mark in proper square)

☐ Individual proprietorship      ☐ Cooperative

☐ Partnership      ☐ Corporation      ☐ Other (specify) \_\_\_\_\_

Does this concern operate or control one or more other factories or manufacturing subsidiaries? \_\_\_\_\_ (Yes or no)

(c) Address of general office \_\_\_\_\_  
(Street and number) (City) (State)

**LOCATION OF PLANT**

(d) State \_\_\_\_\_ (e) Place (city, town, village, etc.) \_\_\_\_\_

(f) County \_\_\_\_\_ (g) Street and number \_\_\_\_\_

(h) Is plant located within present corporate boundaries of city, town, or village named above? \_\_\_\_\_ (Yes or no)

(i) Post office of plant, if different from plant location (e) \_\_\_\_\_

(j) Is the concern which operates this plant a branch, subsidiary, or affiliate of some other concern? \_\_\_\_\_ (Yes or no)

If so, give name and address of such concern \_\_\_\_\_

(k) Place a check mark (✓) in proper space if, since December 31, 1937, this plant has changed its name ( ); location ( ); general nature of business ( ). If changed, give former name, location, or nature of business \_\_\_\_\_

(l) Place a check mark (✓) in proper space if, since December 31, 1937, this plant was purchased ( ); sold ( ); or leased for any part of 1939 ( ). Give name and address of seller, buyer, lessor, or lessee, and date of change \_\_\_\_\_

**INQUIRY 2.—PERSONS ENGAGED—**Include number of employees receiving pay at any time during the normal pay-roll period ended nearest October 14, 1939. Do not count the same person twice under different headings.

Number of proprietors or firm members (not applicable to incorporated companies) \_\_\_\_\_ Key  
A-1  
B-1

Office use only	Key	Number of male	Key	Number of female	Key
A. Grand total all employees for the plant _____	<b>B-2</b>	_____		_____	
1. Salaried officers of the corporation _____	<b>A-2</b>	_____	<b>B-3</b>	_____	<b>B-4</b>
2. Manufacturing.—Include only those employees whose duties are concerned wholly or chiefly with manufacturing _____		_____	<b>B-5</b>	_____	<b>B-6</b>
3. Distribution.—Include only those employees who devote all or the major portion of their time to selling, advertising, sales promotion, credit, collecting, billing, installing or servicing goods sold, and other distribution activities _____		_____	<b>B-7</b>	_____	<b>C-8</b>
4. Construction.—Include only those employees engaged in major construction and major repair work in this plant _____		_____	<b>B-9</b>	x x x x x x x	
5. All other employees (state type of work performed) _____		_____	<b>B-10</b>	_____	<b>B-11</b>

(Continued on next page)

## INQUIRY 2.—Continued.

## B. Manufacturing employees:

Of the manufacturing employees reported above (under A-2) how many are:

1. Managers, superintendents, other supervisory employees, and responsible professional and technical employees.....

2. Clerks, stenographers, bookkeepers, and other clerical employees.....

3. Wage earners.....

Total (should check with A-2 above).....

Number of male	Key	Number of female	Key
	B-12		B-13
	B-14		B-15
	B-16		B-17

Office use only	Key
	A-3

INQUIRY 3.—WAGE EARNERS EMPLOYED BY MONTHS—Give number of wage earners engaged in manufacturing receiving pay at any time during the normal pay-roll period ended nearest the 15th of each month. Figures given in this inquiry should include only the class of employee reported under Inquiry 2-B-3 above.

Number	Key	Number	Key	Number	Key	Number	Key	Code	Key	Total W. E. M.	Key
Jan.....	C-1	Apr.....	C-4	July.....	C-7	Oct.....	C-10		A-4	(Do not use)	
Feb.....	C-2	May.....	C-5	Aug.....	C-8	Nov.....	C-11		C-13		
Mar.....	C-3	June.....	C-6	Sept.....	C-9	Dec.....	C-12				A-5

(Specify year, if other than 1939.)

Total number of days this plant operated during year.....

INQUIRY 4.—SALARIES AND WAGES—Report amounts for the entire year covered by this report. Include bonuses or percentages of profits when paid either to officers and salaried employees or to wage earners. Include employees' social security contributions. Do not include payments in kind.

A. Grand total of salaries and wages for all employees for the plant.....

1. Salaries of officers of the corporation.....

2. Manufacturing.—Total salaries and wages of those employees whose duties are concerned wholly or chiefly with manufacturing.....

3. Distribution.—Total salaries and wages of those employees who devote all or the major portion of their time to selling, advertising, sales promotion, credit, collecting, billing, installing or servicing goods sold, and other distribution activities.....

4. Construction.—Total salaries and wages of those employees engaged in major construction and major repair work in this plant, including force account work.....

5. Total salaries and wages of all other employees.....

## B. Manufacturing employees:

Of the manufacturing employees reported above (under A-2) how much was received by:

1. Managers, superintendents, other supervisory employees, and responsible professional and technical employees.....

2. Clerks, stenographers, bookkeepers, and other clerical employees.....

3. Wage earners.....

Total salaries and wages (should check with A-2 above).....

Omit cents	Key
\$.....	D-1
\$.....	{ A-6 D-2
\$.....	D-3
\$.....	D-4
\$.....	D-5
\$.....	D-6
\$.....	D-7
\$.....	D-8
\$.....	{ A-8 D-9
\$.....	

## INQUIRY 5.—COST OF MATERIALS, ETC., ACTUALLY USED DURING YEAR:

(a) Cost of materials, supplies, and containers for products.....

(b) Cost of fuel.....

(c) Cost of purchased electric energy (for all purposes).....

(d) Cost of contract and commission work done for you outside the plant on materials supplied by you in the manufacture of products reported under Inquiry 10.....

Total.....

Cost (omit cents)	Key
\$.....	E-1
\$.....	E-2
\$.....	E-3
\$.....	E-4
\$.....	{ E-5 A-9



## CENSUS OF MANUFACTURES: 1939

**INQUIRY 6.—POWER EQUIPMENT**—The figures given in this inquiry should relate to equipment in use or available for use at the end of the period covered by the report.

TYPE	PRIME MOVERS DRIVING GENERATORS (Direct-connected and connected by gears or by belts)						PRIME MOVERS NOT DRIVING GENERATORS			
	Number		Prime movers: Total rated horsepower		Generators: Total kilowatt rating		Number		Total rated horsepower	
(a) All equipment, available for use, active and idle:		Key		Key		Key		Key		Key
Steam engines.....		F-1		F-2		F-3		G-1		G-2
Steam turbines.....		F-4		F-5		F-6		G-3		G-4
Diesel and semi-Diesel engines.....		F-7		F-8		F-9		G-5		G-6
Other internal-combustion engines (gas, gasoline, etc.).....		F-10		F-11		F-12		G-7		G-8
Hydro-turbines and water wheels.....		F-13		F-14		F-15		G-9		G-10
(b) Equipment, included above, ordinarily idle but held for standby (not junk).....	x x x x	x x x		F-16		F-17	x x x x	x x x		G-11

	Key	ELECTRIC MOTORS			
	G-12				
		Number	Key	Total rated horsepower	Key
(a) Electric motors driven by purchased energy.....			G-13		G-14
(b) Electric motors driven by energy generated in the plant.....			G-15		G-16

**INQUIRY 7.—FUEL AND ELECTRIC ENERGY USED** (Do not include coke or gas manufactured in the plant from other fuels):

	Unit	Quantity	Key	Cost delivered at factory	
Coal, bituminous (soft, including lignite).....	Short ton.....		H-1	\$.....	
Coal, anthracite (hard).....	Short ton.....		H-2	\$.....	
Coke.....	Short ton.....		H-3	\$.....	
Fuel oil (including heating oils but not gasoline or lubricants).....	Bbl. (42 gal.).....		H-4	\$.....	
Gas, natural.....	M. cu. ft.....		H-6	\$.....	
Gas, manufactured.....	M. cu. ft.....			\$.....	
Gas, mixed.....	M. cu. ft.....			\$.....	
Total amount of electric energy generated in your plant.....	Kw.-hr.....		H-7	x x x x x x x	
Total amount of electric energy sold.....	Kw.-hr.....		H-8	x x x x x x x	Key
Electric energy purchased (report the same cost as reported under Inquiry 5 (c)).....	Kw.-hr.....		H-9	\$.....	H-10

**INQUIRY 8.—EXPENDITURES FOR PLANT AND EQUIPMENT:**

Report all permanent additions and major alterations made on contract or by own forces, which were charged during the year to fixed asset accounts and which are of the type for which depreciation accounts are ordinarily maintained. Exclude expenditures for replacements which are in the nature of maintenance.

Total expenditures for plant, equipment, and real estate during the year.....	\$.....	Key
1. Expenditures for new construction or major alterations of buildings and other fixed plant and structures (buildings, docks, tracks, blast furnaces, etc.). Elevators, heating and ventilating equipment, etc., essentially a part of buildings or other fixed structures should be included. Do not include movable equipment. Do not include land, or used equipment and existing old plant previously owned by others.....	\$.....	J-1
2. Expenditures for new machinery and operating equipment. Include all new motors, lathes, punch presses, cranes, automobiles, trucks, railroad rolling stock, office fixtures, furniture, typewriters, billing machines, cash registers, and other movable equipment.....	\$.....	J-2
3. Expenditures for plant and equipment, acquired in a "used" condition from other owners, and expenditures for land.....	\$.....	J-3
		J-4

**INQUIRY 9.—INVENTORY**—Report all inventories, wherever located, for the account of this plant. Include goods owned by you but held by others. Do not include goods held by you and owned by others.

	Beginning of year	Key	End of year	Key
	(State date above)		(State date above)	
(a) Finished products of this plant, including goods produced by contract work on materials owned by you.	\$.....	<b>J-5</b>	\$.....	<b>J-6</b>
(b) Materials, supplies, fuel, work in process, and all other inventories.	\$.....	<b>J-7</b>	\$.....	<b>J-8</b>

Office use only

**J-9****INQUIRY 10.—PRODUCTS MADE AND WORK DONE DURING YEAR:**

What were the principal materials (in the order of their importance) used in manufacturing the products listed below? .....

	Unit	Quantity	Value (omit cents)
(a) Chief products (state kind):			\$.....
			\$.....
			\$.....
			\$.....
			\$.....
(b) All other products (state kind)			\$.....
(c) Scrap and salable refuse	x x x x	x x x x x x x x x x x x	\$.....
(d) Receipts for contract and commission work done by you on materials owned by others	x x x x	x x x x x x x x x x x x	\$.....
(e) Receipts for repair work	x x x x	x x x x x x x x x x x x	\$.....
Total value		Code Key	Key
		<b>A-10</b>	<b>A-11</b>

REMARKS: .....

**FIELD USE ONLY**

S. D. No. ....  
E. D. No. ....  
Consecutive number  
of report .....

**CERTIFICATE**

THIS IS TO CERTIFY that the information contained in this schedule is correct and complete to the best of my knowledge and belief, and covers the period from .....  
....., 19....., to ..... , 19.....

(Signature and official title of person furnishing the information)

(Signature of enumerator)

(Address)

# DISTRIBUTION OF SALES

## FOR OFFICE USE ONLY

Industry No. \_\_\_\_\_

File No. \_\_\_\_\_

Key

V. P. \_\_\_\_\_ **A-1**

This sheet should show the distribution of sales and interplant transfers of the products manufactured by the plant or plants whose manufacturing activities are covered by the preceding pages of this schedule.

Sales should include purchased merchandise resold without processing, in addition to own products. Therefore, the total value of goods sold or shipped from this plant (item 10 below) may not be the same as the value of products elsewhere reported.

The following information is required from every manufacturing plant, even though no distinct sales department is maintained. Manufacturers' sales branches and offices operated apart from the plant should be reported on Distribution Form 31. Separate administrative or general offices located apart from the plant should be reported on Form 10.

### D-1. DESCRIPTION OF PLANT:

(a) Name of plant \_\_\_\_\_

(b) Name of owner or operator \_\_\_\_\_

(c) Location of plant { State \_\_\_\_\_ County \_\_\_\_\_  
 Name of city, town, or village \_\_\_\_\_  
 Street and number \_\_\_\_\_

### D-2. NET SALES AND INTERPLANT TRANSFERS (Deduct returns and allowances):

(a) Report the value, f. o. b. factory, of all goods shipped or delivered from this plant during the year 1939 (including sales through agents and brokers), analyzed as shown below. Deduct returns and allowances, but include purchased merchandise sold without processing. (Where exact figures are not available give the best possible approximations.)

	Omit cents	Key
<b>Intracompany Sales and Transfers</b>		
(1) Interplant transfers to own plants in the United States _____	\$ _____	<b>A-2</b>
(2) Sales to or through your own wholesale sales branches and sales offices apart from the plant. (Whether or not stocks are carried in such branches) _____	\$ _____	<b>A-3</b>
(3) Sales to or through your own retail stores _____	\$ _____	<b>A-4</b>
<b>Sales to Other Business Concerns in the United States</b>		
(4) Sales to industrial, commercial, professional, and institutional users. (Manufacturers, railroads, utilities, governmental bodies, hotels, contractors, etc.) _____	\$ _____	<b>A-5</b>
(5) Sales to wholesalers and jobbers for resale. (Include supply houses, but not export concerns) _____	\$ _____	<b>A-6</b>
(6) Sales to export intermediaries. (Report export sales to buyers in foreign countries under (9) below and not here) _____	\$ _____	<b>A-7</b>
(7) Sales to retailers for resale. (Chains, mail-order houses, department stores, and independent retailers) _____	\$ _____	<b>A-8</b>
<b>Sales to Consumers</b>		
(8) Sales to farmers and household consumers, including employees (at retail) _____	\$ _____	<b>A-9</b>
<b>Export Sales</b>		
(9) Export sales made direct to buyers in foreign countries. (Including sales to company's own foreign branches) _____	\$ _____	<b>A-10</b>
(10) <b>TOTAL VALUE OF SALES AND TRANSFERS</b> from this plant (sum of 1 to 9). (Include sales through agents and brokers, and purchased merchandise sold without processing, as well as direct shipments of own products) _____	\$ _____	<b>A-11</b>
(b) How much of total sales reported in item 10 above was made through agents, brokers, and commission houses (not including your own sales force)? _____	Key \$ _____	<b>A-12</b>
(c) How much of total sales reported in item 10 above consisted of purchased merchandise sold without processing? _____	\$ _____	<b>A-13</b>

## APPENDIX C

### INDUSTRY GROUPS

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

### INDUSTRIES, 1939—ALPHABETICAL LIST

[The alphabetical list of industries given below shows 1939 industry numbers and 1939 schedule form numbers]

Industry No.	INDUSTRY	Form No.
1391	Abrasive wheels, stones, paper, cloth, and related products	1021
1729	Agricultural machinery (except tractors)	1301
1921	Aircraft and parts, including aircraft engines	1401
1520	Alloying; and rolling and drawing of nonferrous metals, except aluminum	1212
1593	Aluminum products (including rolling and drawing and extruding), not elsewhere classified	1212
1592	Aluminum ware, kitchen, hospital, and household (except electrical appliances)	1212
988	Ammunition	602
395	Artificial leather and oilcloth	220
2054	Artists' materials	100
1392	Asbestos products (except steam packing and pipe and boiler covering)	1001
1472	Automobile stampings	1129
1820	Automobile trailers (for attachment to passenger cars)	1408
1640	Automotive electrical equipment	1303
191	Baking powder, yeast, and other leavening compounds	603
651	Baskets for fruits and vegetables	301
1691	Batteries, storage and primary (dry and wet)	1303
392	Batting, padding, and wadding; upholstery filling	211
2083	Beauty-shop and barber-shop equipment	1653
1031	Beehive coke	701
163	Beet sugar	129
446	Belts (apparel), regardless of material	216
152	Biscuit, crackers, and pretzels	102
1411	Blast-furnace products	1110
145	Blended and prepared flour made from purchased flour	116
1764	Blowers; exhaust and ventilating fans	1305
995	Bluing	100

### INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
1932	Boat building and boat repairing	1410
1491	Bolts, nuts, washers, and rivets—made in plants not operated in connection with rolling mills	1101
986	Bone black, carbon black, and lampblack	606
880	Bookbinding and related industries	508
833	Books: printing without publishing	508
832	Books: publishing and printing	508
831	Books: publishing without printing	508
1230	Boot and shoe cut stock and findings	902
151	Bread and other bakery products (except biscuit, crackers, and pretzels)	102
1351	Brick and hollow structural tile	1004
2081	Brooms	1604
2082	Brushes	1604
2061	Buttons	1606
994	Candles	616
171	Candy and other confectionery products	112
161	Cane sugar—except refineries	130
162	Cane-sugar refining	131
133	Canned and dried fruits and vegetables (including canned soups)	105
131	Canned fish, crustacea, and mollusks	104
498	Canvas products (except bags)	218
2055	Carbon paper and inked ribbons	1607
1612	Carbon products for the electrical industry, and manufactures of carbon or artificial graphite	1303
371	Carpets and rugs, wool	2000
373	Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags	100
372	Carpet yarn, woolen and worsted	2000
1912	Cars and car equipment—railroad, street, and rapid-transit	1405
1763	Cars and trucks, industrial	1305
671	Caskets, coffins, burial cases, and other morticians' goods	305
1424	Cast-iron pipe and fittings	1102
1340	Cement	1002
143	Cereal preparations	116
122	Cheese	103
999	Chemicals not elsewhere classified	608
173	Chewing gum	112
466	Children's and infants' wear not elsewhere classified—made in contract factories	216
465	Children's and infants' wear not elsewhere classified—made in inside factories or by jobbers engaging contractors	216
464	Children's coats—made in contract factories	216
463	Children's coats—made in inside factories or by jobbers engaging contractors	216
462	Children's dresses—made in contract factories	216
461	Children's dresses—made in inside factories or by jobbers engaging contractors	216
2043	Children's vehicles	1648
1365	China firing and decorating (for the trade)	100
172	Chocolate and cocoa products	109
653	Cigar boxes: wooden, part wooden	301
211	Cigarettes	1608
221	Cigars	1608
1359	Clay products (except pottery) not elsewhere classified	1004
1356	Clay refractories, including refractory cement (clay)	1004
989	Cleaning and polishing preparations, blackings, and dressings	611
1541	Clocks, watches, and materials and parts (except watchcases)	1202
487	Clothing, leather and sheep-lined	215
362	Cloth sponging and miscellaneous special finishing	208

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
981	Coal-tar products, crude and intermediate.....	608
740	Coated and glazed paper.....	401
437	Coats, suits, and skirts (except fur coats)—made in contract factories.....	216
436	Coats, suits, and skirts (except fur coats)—made in inside factories or by jobbers engaging contractors.....	216
1499	Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connection with hot-rolling mills.....	1112
1594	Collapsible tubes.....	1208
912	Colors and pigments.....	626
1782	Commercial laundry, dry-cleaning, and pressing machinery.....	1305
1662	Communication equipment.....	1303
985	Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants.....	610
1371	Concrete products.....	1005
123	Condensed and evaporated milk.....	103
1731	Construction and similar machinery (except mining and oil-field machinery and tools).....	1324
799	Converted paper products not elsewhere classified.....	401
192	Cooking and other edible fats and oils, not elsewhere classified.....	120
655	Cooperage.....	306
399	Cordage and twine.....	202
692	Cork products.....	307
194	Corn sirup, corn sugar, corn oil, and starch.....	113
445	Corsets and allied garments.....	216
2071	Costume jewelry and costume novelties (jewelry other than fine jewelry).....	100
311	Cotton broad woven goods.....	203
312	Cotton narrow fabrics.....	203
921	Cottonseed oil, cake, meal, and linters.....	622
314	Cotton thread.....	203
313	Cotton yarn.....	203
121	Creamery butter.....	103
132	Cured fish.....	104
495	Curtains, draperies, and bedspreads—contract factories.....	218
494	Curtains, draperies, and bedspreads—made in regular factories or by jobbers engaging contractors.....	218
112	Custom slaughtering, wholesale.....	123
1451	Cutlery (except aluminum, silver, and plated cutlery) and edge tools.....	1103
2023	Dental equipment and supplies.....	1611
791	Die-cut paper and paperboard, and converted cardboard.....	401
2042	Dolls (except rubber).....	1648
1482	Doors, window sash, frames, molding, and trim (made of metal).....	1122
481	Dress and semidress gloves and mittens: cloth, cloth and leather combined.....	217
931	Drugs and medicines (including drug grinding).....	611
361	Dyeing and finishing cotton, rayon, silk, and linen textiles.....	203
343	Dyeing and finishing woolen and worsted.....	212
1620	Electrical appliances.....	1303
1613	Electrical measuring instruments.....	1303
1699	Electrical products not elsewhere classified.....	1303
1650	Electric lamps.....	1303
1572	Electroplating, plating, and polishing.....	100
894	Electrotyping and stereotyping, not done in printing establishments.....	508
1762	Elevators, escalators, and conveyors.....	1305
491	Embroideries, other than Schiffl-machine products—contract factories.....	221
490	Embroideries, other than Schiffl-machine products—made in regular factories or by jobbers engaging contractors.....	221
488	Embroideries: Schiffl-machine products.....	221
1461	Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware).....	1114
1474	Enameling, japanning, and lacquering.....	1129
1571	Engraving on metal (except for printing purposes).....	100

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
892	Engraving (steel, copperplate, and wood); plate printing.....	508
751	Envelopes.....	401
924	Essential oils.....	623
691	Excelsior.....	308
983	Explosives.....	602
2086	Fabricated plastic products, not elsewhere classified.....	315
1481	Fabricated structural steel and ornamental metalwork, made in plants not operated in connection with rolling mills.....	1122
2074	Feathers, plumes, and artificial flowers.....	100
390	Felt goods, wool, hair, and jute (except woven felts and hat bodies and hats).....	212
970	Fertilizers.....	614
774	Fiber cans, tubes, and similar products.....	401
1453	Files.....	1103
385	Finishing of men's and boys' hats of fur-felt, wool-felt, and straw.....	206
1497	Firearms.....	1103
2096	Fire extinguishers, chemical.....	100
993	Fireworks.....	602
925	Fish and other marine oils, cake, and meal.....	623
1310	Flat glass.....	1008
195	Flavoring extracts and flavoring sirups, not elsewhere classified.....	195
1354	Floor and wall tile (except quarry tile).....	1004
141	Flour and other grain-mill products.....	116
199	Food preparations, not elsewhere classified.....	117
1751	Food-products machinery.....	1305
1240	Footwear (except rubber).....	904
1492	Forgings, iron and steel—made in plants not operated in connection with rolling mills.....	100
1091	Fuel briquets.....	100
470	Fur coats and other fur garments, accessories, and trimmings.....	1615
2084	Furs, dressed and dyed.....	100
1475	Galvanizing and other coating—carried on in plants not operated in connection with rolling mills.....	100
2041	Games and toys (except dolls and children's vehicles).....	1648
851	General commercial (job) printing.....	508
1619	Generating, distribution, and industrial apparatus, and apparatus for incorporation in manufactured products, not elsewhere classified.....	1303
1321	Glass containers.....	1008
990	Glue and gelatin.....	616
1595	Gold and silver leaf and foil.....	1208
871	Gravure, rotogravure, and rotary photogravure (including preparation of plates).....	508
1421	Gray-iron and semisteel castings.....	1102
991	Grease and tallow (except lubricating greases).....	616
862	Greeting cards (except hand-painted).....	508
963	Gum naval stores (processing but not gathering or warehousing).....	317
1372	Gypsum products.....	100
2093	Hair work.....	100
483	Handkerchiefs—made in contract factories.....	217
482	Handkerchiefs—made in inside factories or by jobbers engaging contractors.....	217
2053	Hand stamps, stencils, and brands.....	100
1459	Hardware not elsewhere classified.....	1101
961	Hardwood distillation and charcoal manufacture.....	633
426	Hat and cap materials; trimmings, etc.....	206
381	Hat bodies and hats, fur-felt.....	206
382	Hat bodies and hats, wool-felt.....	206
383	Hats, straw.....	206
384	Hatters' fur.....	206
1460	Heating and cooking apparatus, except electric, not elsewhere classified.....	1119
351	Hosiery—full-fashioned.....	207
352	Hosiery—seamless.....	207
1362	Hotel china.....	1004
435	House dresses, uniforms, and aprons—made in contract factories.....	216
434	House dresses, uniforms, and aprons—made in inside factories or by jobbers engaging contractors.....	216

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
496	Housefurnishings (except curtains, draperies, and bedspreads).....	218
619	Household furniture, except upholstered.....	309
124	Ice cream and ices.....	118
197	Ice, manufactured.....	119
1221	Industrial leather belting and packing leather.....	901
1769	Industrial machinery, not elsewhere classified.....	1305
933	Insecticides, fungicides, and related industrial and household chemical compounds.....	611
1630	Insulated wire and cable.....	1303
1712	Internal-combustion engines.....	1304
1552	Jewelers' findings and materials.....	1210
2072	Jewelry cases and instrument cases.....	100
1551	Jewelry (precious metals).....	1210
398	Jute goods (except felt).....	202
353	Knitted cloth.....	207
357	Knitted gloves.....	207
355	Knitted outerwear (except knit gloves)—contract factories.....	207
354	Knitted outerwear (except knit gloves)—regular factories or jobbers engaging contractors.....	207
356	Knitted underwear.....	207
632	Laboratory, hospital, and other professional furniture.....	309
391	Lace goods.....	208
2073	Lamp shades.....	100
1553	Lapidary work.....	1210
695	Lasts and related products.....	320
1781	Laundry equipment, domestic.....	1313
1250	Leather gloves and mittens.....	217
1299	Leather goods not elsewhere classified.....	906
1212	Leather: tanned, curried, and finished—contract factories.....	907
1211	Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors.....	907
1580	Lighting fixtures.....	1207
1375	Lime.....	1002
397	Linen goods.....	202
374	Linoleum, asphalted-felt-base, and other hard-surface floor coverings, not elsewhere classified.....	220
922	Linseed oil, cake, and meal.....	623
185	Liquors, distilled.....	185
186	Liquors, rectified or blended.....	186
861	Lithographing and photo-lithographing (including preparation of stones or plates and dry transfers).....	508
1911	Locomotives (including frames) and parts: railroad, mining, and industrial.....	1405
511	Logging camps and logging contractors (not operating sawmills).....	311
992	Lubricating oils and greases—not made in petroleum refineries.....	616
198	Macaroni, spaghetti, vermicelli, and noodles.....	198
891	Machine and hand typesetting (including advertisement typesetting).....	508
1768	Machine-shop products, not elsewhere classified.....	1305
1770	Machine-shop repairs.....	1305
1742	Machine-tool and other metalworking-machinery accessories, metal-cutting and shaping tools, and machinists' precision tools.....	1307
1741	Machine tools.....	1307
1422	Malleable-iron castings.....	1102
183	Malt.....	122
182	Malt liquors.....	134
693	Matches.....	312
611	Mattresses and bedsprings.....	1624
1760	Measuring and dispensing pumps.....	1309
1765	Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks).....	1620
111	Meat packing, wholesale.....	123
1766	Mechanical power-transmission equipment.....	1305
425	Men's and boys' hats and caps (except felt and straw).....	206
414	Men's and boys' shirts (except work shirts), collars, and nightwear—made in contract factories.....	215
413	Men's and boys' shirts (except work shirts), collars, and nightwear—made in inside factories or by jobbers engaging contractors.....	215

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
412	Men's and boys' suits, coats, and overcoats (except work clothing)—made in contract factories.....	215
411	Men's and boys' suits, coats, and overcoats (except work clothing)—made in inside factories or by jobbers engaging contractors.....	215
416	Men's and boys' underwear—made in contract factories.....	215
415	Men's and boys' underwear—made in inside factories or by jobbers engaging contractors.....	215
424	Men's neckwear—made in contract factories.....	215
423	Men's neckwear—made in inside factories or by jobbers engaging contractors.....	215
1749	Metalworking machinery and equipment, not elsewhere classified.....	1307
451	Millinery.....	222
1395	Minerals and earths, ground or otherwise treated.....	100
1373	Mineral wool.....	1020
1733	Mining machinery and equipment.....	1305
696	Mirror frames and picture frames.....	313
1330	Mirrors and other glass products made of purchased glass.....	1016
2099	Miscellaneous fabricated products not elsewhere classified.....	100
499	Miscellaneous fabricated textile products not elsewhere classified.....	218
2092	Models and patterns (except paper patterns).....	100
1380	Monuments, tombstones, cut-stone, and stone products not elsewhere classified.....	1014
1941	Motorcycles, bicycles, and parts.....	1409
1810	Motor vehicles, motor-vehicle bodies, parts and accessories.....	1408
996	Mucilage, paste, and other adhesives, except glue and rubber cement.....	618
2039	Musical instruments, parts, and materials not elsewhere classified.....	1628
1442	Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.....	1101
1394	Natural graphite, ground and refined.....	100
2095	Needles, pins, hooks and eyes, and slide and snap fasteners.....	1211
812	Newspapers: publishing and printing.....	508
811	Newspapers: publishing without printing.....	508
181	Nonalcoholic beverages.....	101
1397	Nonclay refractories.....	1004
1591	Nonferrous-metal foundries (except aluminum).....	1212
1599	Nonferrous-metal products not elsewhere classified.....	1212
1771	Office and store machines not elsewhere classified.....	1302
620	Office furniture.....	399
1462	Oil burners, domestic and industrial.....	1119
1732	Oil-field machinery and tools.....	1305
193	Oleomargarine—not made in meat-packing establishments.....	120
2014	Ophthalmic goods: lenses and fittings.....	1631
2013	Optical instruments and lenses.....	1631
2032	Organs.....	1628
1032	Oven coke and coke-oven byproducts.....	701
911	Paints, varnishes, and lacquers.....	626
720	Paper and paperboard mills.....	407
760	Paper bags, except those made in paper mills.....	401
779	Paperboard containers and boxes not elsewhere classified.....	401
1754	Paper-mill, pulp-mill, and paper-products machinery.....	1305
641	Partitions, shelving, cabinet work, and office and store fixtures.....	309
1051	Paving blocks and paving mixtures: asphalt, creosoted wood, and composition.....	100
2052	Pencils (except mechanical) and crayons.....	1634
2051	Pens, mechanical pencils, and pen points.....	1634
932	Perfumes, cosmetics, and other toilet preparations.....	611
822	Periodicals: publishing and printing.....	508
821	Periodicals: publishing without printing.....	508
1011	Petroleum refining.....	705

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
893	Photoengraving, not done in printing establishments (including preparation of plates).....	508
2012	Photographic apparatus and materials and projection equipment (except lenses).....	1636
2033	Piano and organ parts and materials.....	1628
2031	Pianos.....	1628
135	Pickled fruits and vegetables and vegetable sauces and seasonings.....	105
531	Planing mills not operated in conjunction with sawmills.....	314
982	Plastic materials.....	608
532	Plywood mills (also see Schedule No. 314—Planing-mill and related products).....	311
1364	Porcelain electrical supplies.....	1004
1369	Pottery products not elsewhere classified.....	1004
115	Poultry dressing and packing, wholesale.....	126
1463	Power boilers and associated products.....	1122
142	Prepared feeds (including mineral) for animals and fowls.....	116
134	Preserves, jams, jellies, and fruit butters.....	105
1510	Primary smelting and refining of nonferrous metals.....	1212
987	Printing ink.....	618
1755	Printing-trades machinery and equipment.....	1325
394	Processed waste and recovered wool fibers—contract factories.....	211
393	Processed waste and recovered wool fibers—regular factories or jobbers engaging contractors.....	211
2011	Professional and scientific instruments (except surgical and dental).....	1620
631	Public-building furniture.....	309
794	Pulp goods (pressed, molded).....	315
711	Pulp mills.....	410
1761	Pumping equipment and air compressors.....	1309
137	Quick-frozen foods.....	105
1661	Radios, radio tubes, and phonographs.....	1319
486	Raincoats and other waterproof garments (except oiled cotton).....	215
652	Rattan and willowware (except furniture) and baskets other than vegetable and fruit baskets.....	301
951	Rayon and allied products.....	629
332	Rayon broad woven goods—contract factories.....	203
331	Rayon broad woven goods—regular factories or jobbers engaging contractors.....	203
333	Rayon narrow fabrics.....	203
335	Rayon throwing and spinning—contract factories.....	203
334	Rayon yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.....	203
1191	Reclaimed rubber.....	801
1784	Refrigerators, domestic (mechanical and absorption), refrigeration machinery and equipment, and complete air-conditioning units.....	1310
144	Rice cleaning and polishing.....	127
485	Robes, lounging garments, and dressing gowns.....	215
1052	Roofing, built-up and roll; asphalt shingles; roof coating (except paint).....	1638
1353	Roofing tile.....	1004
1121	Rubber boots and shoes (including rubber-soled footwear with fabric uppers).....	801
1199	Rubber products not elsewhere classified.....	801
1291	Saddlery, harness, and whips.....	906
1498	Safe and vaults.....	100
136	Salad dressings.....	105
984	Salt.....	100
1396	Sand-lime brick, block and tile.....	1005
114	Sausage casings—not made in meat-packing establishments.....	128
113	Sausages, prepared meats, and other meat products—not made in meat-packing establishments.....	128
520	Sawmills, veneer mills, and cooperage-stock mills, including those combined with logging camps and with planing mills.....	311
1454	Saws.....	1103
1776	Scales and balances.....	1302
1495	Screw-machine products and wood screws.....	1101

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
1531	Secondary smelting and refining, gold, silver, and platinum.....	1212
1532	Secondary smelting and refining of nonferrous metals, not elsewhere classified.....	1212
1355	Sewer pipe and kindred products.....	1004
1783	Sewing machines, domestic and industrial.....	1313
1597	Sheet-metal work not specifically classified.....	1129
1931	Shipbuilding and ship repairing.....	1410
2085	Signs, advertising displays, and advertising novelties.....	1640
322	Silk broad woven goods—contract factories.....	203
321	Silk broad woven goods—regular factories or jobbers engaging contractors.....	203
323	Silk narrow fabrics.....	203
325	Silk throwing and spinning—contract factories.....	203
324	Silk yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.....	203
1561	Silverware and plated ware.....	1213
1272	Small leather goods.....	906
941	Soap and glycerin.....	611
2091	Soda fountains, beer dispensing equipment, and related products.....	100
923	Soybean oil, cake, and meal.....	623
125	Special dairy products.....	117
1759	Special-industry machinery, not elsewhere classified.....	1305
2049	Sporting and athletic goods not elsewhere classified.....	1642
1494	Springs, steel (except wire)—made in plants not operated in connection with rolling mills.....	1118
1473	Stamped and pressed metal products (except automobile stampings).....	1129
1398	Statuary and art goods (except stone and concrete)—factory production.....	100
1464	Steam and hot-water heating apparatus (including hot-water furnaces).....	1119
1393	Steam and other packing; pipe and boiler covering.....	1001
1711	Steam engines, turbines, and water wheels.....	1304
1466	Steam fittings, regardless of material.....	1119
1496	Steel barrels, kegs, and drums.....	1129
1423	Steel castings.....	1102
1412	Steel works and rolling mills.....	1112
1767	Stokers, mechanical, domestic and industrial.....	1305
1465	Stoves, ranges, water heaters, and hot-air furnaces (except electric).....	1119
1260	Suitcases, brief cases, bags, trunks, and other luggage.....	906
2021	Surgical and medical instruments.....	1620
2022	Surgical supplies and equipment not elsewhere classified; orthopedic appliances.....	1645
484	Suspenders, garters, and other goods made from purchased elastic material.....	217
1329	Tableware, pressed or blown glass, and glassware not elsewhere classified.....	1008
980	Tanning materials, natural dyestuffs, mordants, assistants, and sizes.....	632
1352	Terra cotta.....	1004
497	Textile bags—not made in textile mills.....	218
1752	Textile machinery.....	1313
1596	Tin and other foils (except gold and silver foil).....	1208
1430	Tin cans and other tinware not elsewhere classified.....	1129
1111	Tires and inner tubes.....	801
231	Tobacco (chewing and smoking) and snuff.....	1608
2088	Tobacco pipes and cigarette holders.....	100
1452	Tools (except edge tools, machine tools, files, and saws).....	1103
1721	Tractors.....	1301
1999	Transportation equipment not elsewhere classified.....	1404
493	Trimmings (not made in textile mills), stamped art goods, and art needlework—contract factories.....	221
492	Trimmings (not made in textile mills), stamped art goods, and art needlework—made in regular factories or by jobbers engaging contractors.....	221
427	Trousers (semidress), wash suits, and washable service apparel.....	215

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
2087	Umbrellas, parasols, and canes.....	100
612	Upholstered household furniture.....	309
929	Vegetable and animal oils, not elsewhere classified.....	623
1772	Vending, amusement, and other coin-operated machines.....	1305
663	Venetian blinds.....	314
196	Vinegar and cider.....	105
1361	Vitreous-china plumbing fixtures.....	1004
1471	Vitreous enameled products, including kitchen, household, and hospital utensils.....	1129
1374	Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition.....	1020
793	Wallpaper.....	401
1542	Watchcases.....	1202
1363	Whiteware.....	1004
661	Window and door screens and weather strip.....	318
662	Window shades.....	100
184	Wines.....	184
1441	Wire drawn from purchased rods.....	1126
1449	Wirework not elsewhere classified.....	1126
1611	Wiring devices and supplies.....	1303
431	Women's and misses' blouses and waists—made in contract factories.....	216
430	Women's and misses' blouses and waists—made in inside factories or by jobbers engaging contractors.....	216
439	Women's and misses' clothing, not elsewhere classified—made in contract factories.....	216
438	Women's and misses' clothing, not elsewhere classified—made in inside factories or by jobbers engaging contractors.....	216
433	Women's and misses' dresses (except house dresses)—made in contract factories.....	216
432	Women's and misses' dresses (except house dresses)—made in inside factories or by jobbers engaging contractors.....	216

## INDUSTRIES, 1939—ALPHABETICAL LIST—Continued

Industry No.	INDUSTRY	Form No.
442	Women's, children's, and infants' underwear and nightwear of cotton and flannelette woven fabrics.....	216
441	Women's, children's, and infants' underwear and nightwear of knitted fabrics.....	216
443	Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics.....	216
449	Women's neckwear, scarfs, etc.....	216
1271	Women's pocketbooks, handbags, and purses.....	906
654	Wooden boxes except cigar boxes.....	301
962	Wood naval stores.....	633
694	Wood preserving.....	319
699	Wood products not elsewhere classified.....	320
1753	Woodworking machinery.....	1305
342	Woolen and worsted manufactures—contract factories.....	212
341	Woolen and worsted manufactures—regular factories or jobbers engaging contractors.....	212
2094	Wool pulling.....	100
429	Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel, not elsewhere classified.....	215
480	Work gloves and mittens: cloth, cloth and leather combined.....	217
428	Work shirts.....	215
997	Writing ink.....	618
1493	Wrought pipes, welded and heavy riveted—made in plants not operated in connection with rolling mills.....	1114
1692	X-ray and therapeutic apparatus and electronic tubes.....	1303
SPECIAL INQUIRY		
9011	Motion pictures, not including projection in theaters.....	1679



# APPENDIX D

## Industry Group 1.—FOOD AND KINDRED PRODUCTS

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries covers establishments primarily engaged in the manufacture of foods and beverages for human consumption, and certain related products such as artificial ice, chewing gum, and prepared feeds for animals and fowls.		
	<b>MEAT PRODUCTS</b>		
111	<b>Meat packing, wholesale</b> Establishments primarily engaged in the slaughtering of livestock for their own account to be sold fresh or used as material in canning, curing, making sausage, lard, and other products. Also, establishments which do no slaughtering but purchase meats from others and use as material in canning, curing, etc. The manufacturing of sausages and meat specialties from purchased meats is classified in Industry 113.	123	*123
112	<b>Custom slaughtering, wholesale</b> Establishments primarily engaged in the slaughtering of cattle, hogs, sheep, and other animals on a contract basis as a service to others. Hides and other by-products may be retained in partial payment for this service, and may therefore be reported as the principal product of such establishments.	123	*123
113	<b>Sausages, prepared meats, and other meat products—not made in meat-packing establishments</b> Establishments primarily engaged in the production of sausages, prepared meats, and meat specialties, where no slaughtering operations are performed on the premises. Sausage or meat kitchens, operated by packing houses but not located on the same premises are included in this industry. Dressing and canning of poultry, rabbits, and other small game are included in Industry 115.	128	128
114	<b>Sausage casings—not made in meat-packing establishments</b> Establishments primarily engaged in the manufacture of sausage casings from animal, artificial, or synthetic materials.	128	137
115	<b>Poultry dressing and packing, wholesale</b> Establishments primarily engaged in the dressing, packing, and canning of poultry, rabbits, and other small game for the wholesale trade.	126	126
	<b>DAIRY PRODUCTS</b>		
121	<b>Creamery butter</b> Establishments primarily engaged in the manufacture of creamery butter. Separating stations operated on the premises of butter factories are included in this industry. Milk and cream purchasing stations and the production of butter on farms are not considered to be manufacturing industries. Processed butter is included in Industry 125, Special dairy products.	103	103
122	<b>Cheese</b> Establishments primarily engaged in the manufacture of natural cheese, and which may on the same premises produce process cheese. The manufacture of process cheese from purchased natural cheese is included in Industry 125, Special dairy products.	103	107
123	<b>Condensed and evaporated milk</b> Establishments primarily engaged in the manufacture of condensed and evaporated milk, and related products such as dried and powdered milk and whey and ice cream mix.	103	111
124	<b>Ice cream and ices</b> Establishments primarily engaged in the manufacture of frozen desserts made of milk, cream, fruit juices, and flavoring extracts.	118	118
125	<b>Special dairy products</b> Establishments primarily engaged in the manufacture of processed butter, processed cheese, cheese pastes and spreads, malted milk, and fermented milks. Establishments classified in this industry do not manufacture creamery butter, natural cheese, or dried or powdered milk.	117	*117
	<b>CANNED AND PRESERVED FOODS</b>		
131	<b>Canned fish, crustacea, and mollusks</b> Establishments primarily engaged in the cooking and canning of fish and other sea foods. Shucking and packing of fresh oysters is not considered to be a manufacturing industry.	104	*104
132	<b>Cured fish</b> Establishments primarily engaged in the smoking, salting, drying or otherwise curing of fish for the wholesale trade.	104	*104

\*Part of.

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>CANNED AND PRESERVED FOODS—Continued</b>		
133	<b>Canned and dried fruits and vegetables (including canned soups)</b> Establishments primarily engaged in the drying or canning of fruits and vegetables, including the canning of soups other than chicken soup (115).	105	*105
134	<b>Preserves, jams, jellies, and fruit butters</b> Establishments primarily engaged in the manufacture of preserves, jams, jellies, and fruit butters.	105	*105
135	<b>Pickled fruits and vegetables and vegetable sauces and seasonings</b> Establishments primarily engaged in the manufacture of pickled fruits and vegetables, relishes, vegetable sauces, and vegetable seasonings.	105	*105
136	<b>Salad dressings</b> Establishments primarily engaged in the manufacture of salad dressings.	105	*105
137	<b>Quick-frozen foods</b> Establishments primarily engaged in the quick-freezing of fruits and vegetables for ultimate delivery to the consumer in a frozen state.	105	*105
	<b>GRAIN-MILL PRODUCTS</b>		
141	<b>Flour and other grain-mill products</b> Establishments primarily engaged in the milling of grains except rice. The chief products of these establishments are flour and meal. Such flour and grain mills may produce cracked grain used as cereal or stock feed, or blended and prepared flours, principally from products ground in the same establishment.	116	116
142	<b>Prepared feeds (including mineral) for animals and fowls</b> Establishments primarily engaged in the manufacture of prepared feeds for animals and fowls. Prepared feeds include those made from grain as a principal ingredient, and those made principally from ingredients other than grain, such as digestible tankage, meat, bone meal, fish meal, oils, lime, sugar, molasses, alfalfa, and ground oyster shells. Dry feed produced by establishments engaged in the milling of grain alone is classified in Industry 141.	116	114
143	<b>Cereal preparations</b> Establishments primarily engaged in the manufacture of cereal preparations, such as cereal-breakfast foods, coffee substitutes, hominy, prepared and self-rising flours, etc., made wholly or chiefly from grain milled by the establishment. Cracked grain is not considered to be a cereal preparation, and is included in Industry 141.	116	*106
144	<b>Rice cleaning and polishing</b> Establishments primarily engaged in the cleaning and polishing of rice, and in manufacturing rice flour or meal.	127	127
145	<b>Blended and prepared flour made from purchased flour</b> Establishments primarily engaged in the preparation of prepared (self-rising) or blended flour from purchased flour. Establishments classified in this industry are not engaged in grinding flour from grain.	116	*106
	<b>BAKERY PRODUCTS</b>		
151	<b>Bread and other bakery products (except biscuit, crackers, and pretzels)</b> Establishments primarily engaged in the manufacture of bread, cakes, hand-made cookies, doughnuts, pies, pastries, etc. These are establishments producing "perishable" bakery products in contrast to the "dry" products classified in Industry 152.	102	*102
152	<b>Biscuit, crackers, and pretzels</b> Establishments primarily engaged in the manufacture of biscuit, crackers, machine-made cookies, pretzels, etc., packed in containers so as to retain their palatability for an indefinite period. Establishments producing "perishable" bakery products are classified in Industry 151.	102	*102
	<b>SUGAR</b>		
161	<b>Cane sugar—except refineries</b> Establishments primarily engaged in the manufacture of raw sugar, sirup, or finished cane sugar from sugar cane. Establishments engaged in the refining of sugar from purchased sirup or raw sugar are classified in Industry 162.	130	130
162	<b>Cane-sugar refining</b> Establishments primarily engaged in the refining of purchased raw cane sirup or sugar.	131	131

Industry Group 1.—FOOD AND KINDRED PRODUCTS—  
Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>SUGAR—Continued</b>		
163	<b>Beet sugar</b> Establishments primarily engaged in the manufacture of sugar from sugar beets.	129	129
	<b>CONFECTIONERY AND RELATED PRODUCTS</b>		
171	<b>Candy and other confectionery products</b> Establishments primarily engaged in the manufacture of candy and confections, except solid chocolate bars (172), and chewing gum (173). Salted nuts, stuffed dates, popcorn balls, and related products are included in this industry.	112	112
172	<b>Chocolate and cocoa products</b> Establishments primarily engaged in the manufacture of chocolate from cacao beans, and the further manufacture of cocoa, cocoa butter, and solid chocolate bars. Chocolate candies (fancy package, bulk, count) are classified in Industry 171.	109	109
173	<b>Chewing gum</b> Establishments primarily engaged in the manufacture of chewing gum from crude gum, chicle, paraffin or similar materials.	112	108
	<b>BEVERAGES</b>		
181	<b>Nonalcoholic beverages</b> Establishments primarily engaged in the manufacture of nonalcoholic beverages, whether carbonated or not, such as root beer, ginger ale, and carbonated mineral waters. The bottling of natural spring waters is not considered a manufacturing industry. Establishments primarily producing fruit and vegetable juices are included in Industry 133, producing fruit sirups for flavoring are included in Industry 195, and producing cider are included in Industry 196.	101	101
182	<b>Malt liquors</b> Establishments primarily engaged in the manufacture of all kinds of malt liquors, such as ale, beer, porter, stout, and of malt extract. This industry does not include bottlers of malt liquors brewed by others.	134	134
183	<b>Malt</b> Establishments primarily engaged in the manufacture of malt, chiefly from barley and to some extent from other grain. Malthouses operated by breweries and reported separately are included in this industry.	122	122
184	<b>Wines</b> Establishments primarily engaged in the production of wines both dry and sweet. Establishments primarily bottling or barreling wines produced, blended, or processed by others are not considered part of the manufacturing industries.	184	135
185	<b>Liquors, distilled</b> Establishments primarily engaged in the production of distilled liquors. This industry does not include rectifying and blending establishments (186) nor establishments engaged solely in bottling purchased liquors. Bottling establishments are not considered a part of the manufacturing industry.	185	133
186	<b>Liquors, rectified or blended</b> Establishments primarily engaged in the rectifying and blending of distilled liquors and making of cordials and alcoholic cocktails by mixing liquors and other ingredients. Rectifying plants operated by distillers are treated as separate establishments and are covered by this classification. Establishments engaged solely in bottling purchased liquors are not included. Bottling establishments are not considered a part of the manufacturing industry.	186	136
	<b>MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS</b>		
191	<b>Baking powder, yeast, and other leavening compounds</b>	603	603
192	<b>Cooking and other edible fats and oils not elsewhere classified</b> Establishments primarily engaged in the manufacture of edible vegetable and compound shortenings, vegetable cooking oils, salad oils, and other refined table oils by further processing animal and vegetable oils produced in other industries. Establishments primarily producing oleomargarine are included in Industry 193, primarily producing corn oil are included in Industry 194, and primarily producing cottonseed, linseed, soybean, marine, and other animal and vegetable oils are included in Group 9.	120	120
193	<b>Oleomargarine—not made in meat-packing establishments</b> Establishments primarily engaged in the manufacture of commodities known as oleomargarine, butterine, nut margarine, nut butter, etc.	120	124
194	<b>Corn sirup, corn sugar, corn oil, and starch</b> Establishments primarily engaged in the manufacture of sirup, sugar oil, and starch from corn, potato, root, wheat, and other starches.	113	113

\*Part of.

Industry Group 1.—FOOD AND KINDRED PRODUCTS—  
Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>MISCELLANEOUS FOOD PREPARATIONS AND KINDRED PRODUCTS—Continued</b>		
195	<b>Flavoring extracts and flavoring sirups, not elsewhere classified</b> Establishments primarily engaged in the manufacture of flavoring extracts, sirups, and fruit juices for soda fountain use or for the manufacture of soft drinks, and colors for bakers' and confectioners' use.	195	115
196	<b>Vinegar and cider</b>	105	132
197	<b>Ice, manufactured</b> Establishments primarily engaged in the manufacture of ice for sale. The harvesting and storage of natural ice are not included in manufacturing industries.	119	119
198	<b>Macaroni, spaghetti, vermicelli, and noodles</b> Establishments primarily engaged in the manufacture of macaroni, spaghetti, vermicelli, noodles, and related products.	198	121
199	<b>Food preparations, not elsewhere classified</b> Establishments primarily engaged in the manufacture of food specialties which are not assigned specifically to other industries in the "Food and Kindred Products" major group.	117	*117

## Industry Group 2.—TOBACCO MANUFACTURES

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b> This group of industries includes establishments primarily engaged in the manufacture of cigarettes, cigars, smoking and chewing tobacco, and snuff and which on the same premises may sort, dry, cure, or stem tobacco. The manufacture of insecticides from tobacco byproducts is included in the Chemicals and Allied Products group. Establishments primarily engaged in curing, sorting, or stemming tobacco are not included in the manufacturing industries.		
211	<b>Cigarettes</b>	1608	1652
221	<b>Cigars</b>	1608	1608
231	<b>Tobacco (chewing and smoking) and snuff</b>	1608	1647

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b> This group of industries includes establishments primarily engaged in performing any of the following operations: 1. Manufacturing batting, wadding, packing, felts, yarns, and cordage and twine; 2. Manufacturing woven cloth, carpets and rugs, braids, laces, knit cloth and knit garments or products from finished or unfinished yarns; 3. Dyeing and finishing fibers, yarns, and cloths; 4. Coating, waterproofing, and otherwise treating fabrics. (The rubberizing of fabrics is included in the Rubber Products group.)		
	<b>COTTON MANUFACTURES</b>		
311	<b>Cotton broad woven goods</b> Establishments primarily engaged in the weaving of fabrics over 12 inches in width, wholly of cotton, or with the warp predominantly of cotton yarn. These fabrics may be woven of finished or unfinished cotton yarn.	203	*2031 2034 2042
312	<b>Cotton narrow fabrics</b> Establishments primarily engaged in the weaving or braiding of fabrics 12 inches and narrower in width, wholly of cotton, or with the warp predominantly of cotton yarn or cotton covered elastic yarn. These fabrics may be woven of finished or unfinished cotton yarn.	203	2032
313	<b>Cotton yarn</b> Establishments primarily engaged in the spinning, twisting, winding, and spooling of cotton yarn for sale as such.	203	*2033
314	<b>Cotton thread</b> Establishments primarily engaged in the spinning, twisting, and manufacturing of cotton sewing thread or crochet, darning, hand knitting, and embroidery cottons for sale as such.	203	*2033

**Industry Group 3.—TEXTILE-MILL PRODUCTS AND OTHER  
FIBER MANUFACTURES—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
<b>SILK MANUFACTURES</b>			
321	<b>Silk broad woven goods—regular factories or jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors who produce for sale from their own materials fabrics over 12 inches in width entirely of silk yarns or with the warp predominantly of silk yarn. These fabrics may be woven of finished or unfinished silk yarns.	203	*2102
322	<b>Silk broad woven goods—contract factories.</b> This industry includes establishments primarily engaged in weaving fabrics over 12 inches in width on a contract basis from materials owned by others. These fabrics are woven entirely of silk yarns or with the warp predominantly of silk yarns and may be woven of finished or unfinished silk yarns.	203	*2102
323	<b>Silk narrow fabrics.</b> Establishments primarily engaged in the weaving or braiding of fabrics 12 inches and under in width entirely of silk yarns or with the warp predominantly of silk yarns. These fabrics may be woven of finished or unfinished silk yarns.	203	2103
324	<b>Silk yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors primarily engaged in throwing, twisting, or spinning of silk yarns for sale as such, or for own use.	203	2104
325	<b>Silk throwing and spinning—contract factories.</b> Establishments primarily engaged in the throwing, twisting, or spinning of silk yarns on a contract basis.	203	2101
<b>RAYON MANUFACTURES</b>			
331	<b>Rayon broad woven goods—regular factories or jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors who produce for sale from their own materials fabrics over 12 inches in width entirely of rayon yarns or with the warp predominantly of rayon yarns. These fabrics may be woven of finished or unfinished rayon yarns.	203	*2092
332	<b>Rayon broad woven goods—contract factories.</b> This industry includes establishments primarily engaged in weaving fabrics over 12 inches in width on a contract basis from materials owned by others. These fabrics are woven entirely of rayon yarns or with the warp predominantly of rayon yarns, and may be woven of finished or unfinished rayon yarns.	203	*2092
333	<b>Rayon narrow fabrics.</b> Establishments primarily engaged in the weaving or braiding of fabrics 12 inches and under in width entirely of rayon yarns or with the warp predominantly of rayon yarns. These fabrics may be woven of finished or unfinished rayon yarns.	203	2093
334	<b>Rayon yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors primarily engaged in throwing, twisting, or spinning of rayon yarns for sale as such, or for own use.	203	2094
335	<b>Rayon throwing and spinning—contract factories.</b> Establishments primarily engaged in the throwing, twisting, or spinning of rayon yarns on a contract basis.	203	2091
<b>WOOLEN AND WORSTED MANUFACTURES</b>			
341	<b>Woolen and worsted manufactures—regular factories or jobbers engaging contractors.</b> Regular factories or jobbers engaging contractors who are primarily engaged in scouring or carbonizing wool, combing top on worsted combs from their own wool, rayon, or other fiber; spinning, twisting, winding, or beaming yarns spun on woolen or worsted systems of spinning (other than carpet or rug yarns, 372); also establishments engaged in weaving fabrics and related products, other than carpets or rugs, wholly or in part from their own yarns spun on the woolen or worsted systems or from horsehair or other hairs.	212	*2121 *2122 *2123 *2124 *2125 *2126 *2128
342	<b>Woolen and worsted manufactures—contract factories.</b> This industry includes contract factories primarily engaged in scouring or carbonizing wool, combing top on worsted combs from wool, rayon, or other fiber owned by others; spinning, twisting, winding, or beaming yarns spun on woolen or worsted systems of spinning (other than carpet or rug yarns, 372) on a contract basis; also includes establishments engaged in weaving fabrics and related products owned by others, other than carpets or rugs, wholly or in part from yarns spun on the woolen or worsted systems or from horsehair or other hairs.	212	*2121 *2122 *2123 *2124 *2125 *2126

\*Part of

**Industry Group 3.—TEXTILE-MILL PRODUCTS AND OTHER  
FIBER MANUFACTURES—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
<b>WOOLEN AND WORSTED MANUFACTURES— Continued</b>			
343	<b>Dyeing and finishing woolen and worsted.</b> Establishments primarily engaged in dyeing and finishing fabrics woven wholly or in part from yarns spun on the woolen or worsted systems, or in dyeing wool, top, or yarns spun on the woolen or worsted systems.	212	*2123 *2126 2128
<b>KNIT GOODS</b>			
351	<b>Hosiery—full-fashioned.</b> Establishments primarily engaged in the knitting, dyeing, or finishing of full-fashioned hosiery.	207	*2071
352	<b>Hosiery—seamless.</b> Establishments primarily engaged in the knitting, dyeing, or finishing of seamless hosiery.	207	*2071
353	<b>Knitted cloth.</b> Establishments primarily engaged in the knitting of tubular or flat cloth, and in the dyeing or finishing of knit cloth.	207	2072
354	<b>Knitted outerwear (except knit gloves)—regular factories or jobbers engaging contractors.</b> Knitting mills or jobbers engaging contractors primarily engaged in the knitting of outerwear for sale, except knitted gloves and mittens (357). The manufacture of knitted outerwear from purchased knit cloth is included in Group 4, "Apparel and Other Finished Products Made from Fabrics and Similar Materials."	207	2073
355	<b>Knitted outerwear (except knit gloves)—contract factories.</b> This industry includes contract factories engaged in the knitting of outerwear from materials owned by others, except knitted gloves and mittens (357). The manufacture of knitted outerwear from purchased knit cloth is included in Group 4, "Apparel and Other Finished Products Made from Fabrics and Similar Materials."	207	2273
356	<b>Knitted underwear.</b> Establishments primarily engaged in the knitting of underwear on machines.		2074
357	<b>Knitted gloves.</b> Establishments primarily engaged in the knitting of gloves and mittens.	207	2075
<b>DYEING AND FINISHING TEXTILES EXCEPT WOOLEN AND WORSTED</b>			
361	<b>Dyeing and finishing cotton, rayon, silk, and linen textiles.</b> Establishments primarily engaged in the bleaching, dyeing, printing, finishing or otherwise converting fabrics of cotton, rayon, silk, and linen or mixtures of these fibers, and the dyeing and finishing of yarn and thread of cotton, rayon, silk, and linen. Establishments primarily engaged in the dyeing or finishing of knit hosiery or knit cloth are included in Industries 351, 352, and 353; establishments primarily engaged in sponging or shrinking textiles for tailors, dressmakers, and to custom order are not included in the manufacturing industries.	203	2041 *2042 2043
362	<b>Cloth sponging and miscellaneous special finishing.</b> Establishments primarily engaged in sponging cloth and miscellaneous special finishing such as waxing cloth, varnishing cambric and buckram.	212 203	*2152 *2042 *2043
<b>CARPETS, RUGS, AND OTHER FLOOR COVERINGS</b>			
371	<b>Carpets and rugs, wool.</b> Establishments primarily engaged in the weaving of carpets and rugs wholly or in part of yarns spun on the woolen or worsted systems.	2000	2013
372	<b>Carpet yarn, woolen and worsted.</b> Establishments primarily engaged in the spinning on the woolen or worsted systems of yarns for use in carpets and rugs.	2000	2014
373	<b>Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags.</b> Establishments primarily engaged in the manufacture of door matting, floor matting, art squares, rugs, and carpets from such materials as twisted paper, wire grass, reeds, coir (cocoa fiber), sisal, jute, and rags.	100	2011 2012 *2022 *2023 *2031
374	<b>Linoleum, asphalted-felt-base, and other hard-surface floor coverings, not elsewhere classified.</b> Establishments primarily engaged in the manufacture of hard-surfaced floor coverings, including cork carpets. Establishments manufacturing rubber flooring are included in Industry 1199.	220	2221 2222

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>HATS EXCEPT CLOTH AND MILLINERY</b>		
381	<b>Hat bodies and hats, fur-felt.</b> ----- Establishments primarily engaged in the manufacture of soft and stiff hat bodies and hats, made chiefly from hatters' fur, for men, women, and children.	206	*2061
382	<b>Hat bodies and hats, wool-felt.</b> ----- Establishments primarily engaged in the manufacture of hat bodies and hats, made chiefly of wool, wool noils, wool shoddy, etc., for men, women, and children.	206	2062
383	<b>Hats, straw.</b> ----- Establishments primarily engaged in the manufacture of men's, women's, and children's hats made from straw and similar fibers. The finishing of Panama and other straw hat bodies and hats is included in Industry 385. The trimming of straw hats for women and children from purchased straw bodies is included in Industry 451.	206	*2063
384	<b>Hatters' fur.</b> ----- Establishments primarily engaged in the production of hatters' fur for further processing in establishments included in Industry 381.	206	*2064
385	<b>Finishing of men's and boys' hats of fur-felt, wool-felt, and straw.</b> -----	206	{ *2061 *2063
	<b>MISCELLANEOUS TEXTILE GOODS</b>		
390	<b>Felt goods, wool, hair, and jute (except woven felts and hat bodies and hats).</b> ----- Establishments primarily engaged in the manufacture of insulating and automotive felts, under-rug mats, and other felt goods by means of heat, moisture, and pressure, or by the needle-loom process. Establishments primarily engaged in manufacturing woven felts are included in Industries 341 and 342, and wool felt hats in Industry 382.	212	2051
391	<b>Lace goods.</b> ----- Establishments primarily engaged in the manufacture of all lace machine products. Establishments primarily engaged in machine embroidering are included in Industries 488, 490, and 491.	208	2081
392	<b>Batting, padding, and wadding; upholstery filling.</b> ----- Establishments primarily engaged in the manufacture of batting, padding, wadding, and upholstery filling from such materials as curled hair, moss, flax tow, or hemp tow, etc.	211	2111
393	<b>Processed waste and recovered wool fibers—regular factories or jobbers engaging contractors.</b> ----- This industry includes regular factories or jobbers engaging contractors who are primarily engaged in recovering fibers from their own materials, such as clippings, manufacturing wastes, cotton, wool, rayon, silk, and jute. Establishments primarily engaged in the production of oakum from their own materials are also included in this industry.	211	*2112
394	<b>Processed waste and recovered wool fibers—contract factories.</b> ----- This industry includes contract factories who are primarily engaged in recovering fibers from materials owned by others, such as clippings, manufacturing wastes, cotton, wool, rayon, silk, and jute. Establishments primarily engaged in the production of oakum from materials owned by others are also included in this industry.	211	*2112
395	<b>Artificial leather and oilcloth.</b> ----- Establishments primarily engaged in the manufacture of all kinds of artificial leather and oilcloth, regardless of method of manufacture, materials, or use of finished product.	220	{ 2201 2202
397	<b>Linen goods.</b> ----- Establishments primarily engaged in the manufacture of flax yarn and thread and fabrics of linen, and linen and cotton mixtures.	202	*2023
398	<b>Jute goods (except felt).</b> ----- Establishments primarily engaged in the manufacture of jute into yarn and jute goods such as bagging and webbing. Establishments manufacturing jute felts are included in Industry 390 and jute rugs in Industry 373.	202	*2022
399	<b>Cordage and twine.</b> ----- Establishments primarily engaged in the manufacture of rope, cable, cordage, twine, and related goods, from hemp, cotton, manilla, paper, and other fiber.	202	2021

\*Part of.

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	The cutting up industries or needle trades produce clothing and other fabricated articles from purchased woven or knitted fabrics. All types of textiles are utilized, as well as leather, rubber, fur, and other materials. Custom tailors and dressmakers, not operating on a factory basis, are excluded from the scope of these industries. A substantial number of establishments in these industries work on a contract basis from materials owned by others. The manufacturer or jobber owns the materials, assigns the piece goods to a contract factory for fabrication, and sells the finished products.		
	<b>MEN'S AND BOYS' TAILORED CLOTHING</b>		
411	<b>Men's and boys' suits, coats, and overcoats (except work clothing)—made in inside factories or by jobbers engaging contractors.</b> ----- Establishments primarily engaged in the production for sale from their own materials of men's, youths', and boys' suits, overcoats, and dress trousers. Establishments manufacturing men's work and sport garments are included in Industries 428 and 429.	215	*2151
412	<b>Men's and boys' suits, coats, and overcoats (except work clothing)—made in contract factories.</b> ----- Establishments primarily engaged in the manufacture of men's, youths', and boys' suits, overcoats, and dress trousers on a contract basis from materials owned by others. Establishments manufacturing men's work and sport garments are included in Industries 428 and 429.	215	*2152
	<b>MEN'S AND BOYS' FURNISHINGS, WORK AND SPORT GARMENTS</b>		
413	<b>Men's and boys' shirts (except work shirts), collars, and nightwear—made in inside factories or by jobbers engaging contractors.</b> ----- This industry includes inside factories or jobbers engaging contractors who are primarily engaged in producing for sale from their own materials men's, youths', and boys' shirts (except work shirts, Industry 428), collars, and nightwear made from purchased woven or knitted fabric.	215	2132
414	<b>Men's and boys' shirts (except work shirts), collars, and nightwear—made in contract factories.</b> ----- Establishments primarily engaged in the production on a contract basis from materials owned by others of men's, youths', and boys' shirts (except work shirts, Industry 428), collars, and nightwear made from purchased woven or knit fabric.	215	2242
427	<b>Trousers (semidress), wash suits, and washable service apparel.</b> ----- Establishments primarily engaged in the production of men's and boys' slacks and other semidress trousers, cotton wash suits, and washable service apparel. Establishments manufacturing dress trousers are included in Industries 411 and 412.	215	2135
428	<b>Work shirts.</b> ----- Establishments primarily engaged in the manufacture of men's and boys' work shirts and flannel shirts.	215	*2133
429	<b>Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel not elsewhere classified.</b> ----- Establishments primarily engaged in the production of men's and boys' overalls, work pants, industrial garments (other than washable service apparel, Industry 427), children's play suits, oiled cotton garments, mackinaws, lumber jackets, blanket-lined coats, ski and snow suits, hunting and riding and related garments, and other heavy outerwear, not elsewhere classified. Establishments primarily manufacturing semidress trousers are included in Industry 427, work and flannel shirts in Industry 428, and leather and sheep-lined garments in Industry 487.	215	*2133
	<b>MEN'S AND BOYS' UNDERWEAR</b>		
415	<b>Men's and boys' underwear—made in inside factories or by jobbers engaging contractors.</b> ----- This industry includes inside factories or jobbers engaging contractors who are primarily engaged in producing for sale from their own materials men's, youths', and boys' underwear, made from purchased woven or knit fabrics. Establishments knitting underwear are included in Industry 356.	215	2141
416	<b>Men's and boys' underwear—made in contract factories.</b> ----- Establishments primarily engaged in the production on a contract basis from materials owned by others of men's, youths', and boys' underwear made from purchased woven or knit fabrics. Establishments knitting underwear are included in Industry 356.	215	2241

**Industry Group 4.—APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>MEN'S AND BOYS' NECKWEAR</b>		
423	Men's neckwear—made in inside factories or by jobbers engaging contractors. Establishments primarily engaged in the production for sale from their own materials of men's and boys' neckties, scarfs, and mufflers. Establishments knitting neckties, scarfs, and mufflers are included in Industry 354.	215	*2143
424	Men's neckwear—made in contract factories. Establishments primarily engaged in the production of men's and boys' neckties, scarfs, and mufflers on a contract basis from materials owned by others. Establishments knitting neckties, scarfs, and mufflers are included in Industry 355.	215	*2243
	<b>MEN'S AND BOYS' HATS AND CAPS AND HAT AND CAP MATERIALS</b>		
425	Men's and boys' hats and caps (except felt and straw). Establishments primarily engaged in the production of men's and boys' hats and caps except those made from felt (Industries 381 and 382) and straw (Industry 383).	206	2142
426	Hat and cap materials; trimmings, etc. Establishments primarily engaged in the manufacture of hat and cap findings such as cap visors, sweat bands, and trimmings from purchased materials. Establishments primarily engaged in tip printing or stamping are included in this industry.	206	*2064
	<b>WOMEN'S AND MISSES' OUTER CLOTHING</b>		
430	Women's and misses' blouses and waists—made in inside factories or by jobbers engaging contractors.	216	2161
431	Women's and misses' blouses and waists—made in contract factories.	216	2231
432	Women's and misses' dresses (except house dresses)—made in inside factories or by jobbers engaging contractors. Establishments primarily engaged in the production for sale from their own materials of silk, rayon, and wool dresses, and cotton dresses made to sell by the piece and to retail above \$2. Ensemble dresses of all materials are included in this industry. The manufacture of house dresses to sell by the dozen and to retail for less than \$2 each is included in Industries 434 and 435.	216	2165
433	Women's and misses' dresses (except house dresses)—made in contract factories. Establishments primarily engaged in the production on a contract basis from materials owned by others of silk, rayon, and wool dresses, and cotton dresses made to sell by the piece and to retail above \$2. Ensemble dresses of all materials are included in this industry. House dresses to sell by the dozen and to retail for less than \$2 each are included in Industries 434 and 435.	216	2234
434	House dresses, uniforms, and aprons—made in inside factories or by jobbers engaging contractors. Establishments primarily engaged in the production for sale from their own materials of house dresses chiefly of cotton fabric made to sell by the dozen and to retail under \$2 each, and nurses' and maids' uniforms, aprons, smocks, and hooovers.	216	2166
435	House dresses, uniforms, and aprons—made in contract factories. Establishments primarily engaged in the production on a contract basis from materials owned by others of house dresses chiefly of cotton fabric made to sell by the dozen and to retail under \$2 each, and nurses' and maids' uniforms, aprons, smocks, and hooovers.	216	2238
436	Coats, suits, and skirts (except fur coats)—made in inside factories or by jobbers engaging contractors. Establishments primarily engaged in the production for sale from their own materials of women's and misses' suits, skirts, ensemble suits, and coats, except fur coats (Industry 470).	216	2163
437	Coats, suits, and skirts (except fur coats)—made in contract factories. Establishments primarily engaged in the production on a contract basis from materials owned by others of women's and misses' suits, skirts, ensemble suits, and coats, except fur coats (Industry 470).	216	2233
438	Women's and misses' clothing not elsewhere classified—made in inside factories or by jobbers engaging contractors. Establishments primarily engaged in the production from their own materials of women's and misses' clothing not elsewhere classified such as bathing suits made from purchased fabric, beach wear, riding habits, ski suits, etc.	216	*2169

\*Part of.

**Industry Group 4.—APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>WOMEN'S AND MISSES' OUTER CLOTHING—Continued</b>		
439	Women's and misses' clothing, not elsewhere classified—made in contract factories. Establishments primarily engaged in the production on a contract basis from materials owned by others of women's and misses' clothing not elsewhere classified such as bathing suits, beach wear, riding habits, ski suits, etc.	216	*2237
	<b>WOMEN'S UNDERGARMENTS AND ACCESSORIES</b>		
441	Women's, children's, and infants' underwear and nightwear of knitted fabrics. Establishments primarily engaged in the production of women's, children's, and infants' underwear and nightwear of purchased knitted fabrics. Establishments knitting underwear and nightwear are classified in Industry 356.	216	2168
442	Women's, children's, and infants' underwear and nightwear of cotton and flannelette woven fabrics.	216	2160
443	Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics. This industry includes inside factories or jobbers engaging contractors who produce for sale from their own materials women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics.	216	*2169 *2237
445	Corsets and allied garments. Establishments primarily engaged in the production of corsets, brassieres, girdles, garter belts, combination or one-piece garments, and corset accessories.	216	2164
449	Women's neckwear, scarfs, etc. Establishments primarily engaged in the production of women's neckwear, scarfs, and rufflings from purchased fabrics. The knitting of neckwear or scarfs is classified in Industries 354 and 355.	216	*2169 *2237
451	<b>MILLINERY</b> Establishments primarily engaged in the production of women's, misses', children's, and infants' wool-felt, fur-felt, straw, and fabric trimmed hats from purchased hat bodies and materials made in inside factories or by jobbers, or in contract factories. Establishments producing fur-felt and wool-felt hat bodies and hats are classified in Industries 381 and 382.	222	*2167 2267
	<b>CHILDREN'S AND INFANTS' OUTERWEAR</b>		
461	Children's dresses—made in inside factories or by jobbers engaging contractors. This industry includes inside factories or jobbers engaging contractors who are primarily engaged in manufacturing children's and infants' dresses and sportswear. Women's and misses' sportswear is classified in Industries 438 and 439.	216	*2162
462	Children's dresses—made in contract factories. Establishments primarily engaged in the manufacture of children's and infants' dresses and sportswear made on a contract basis from materials owned by others. Women's and misses' sportswear is classified in Industries 438 and 439.	216	*2236
463	Children's coats—made in inside factories or by jobbers engaging contractors.	216	*2162
464	Children's coats—made in contract factories.	216	*2236
465	Children's and infants' wear not elsewhere classified—made in inside factories or by jobbers engaging contractors.	216	*2162
466	Children's and infants' wear not elsewhere classified—made in contract factories.	216	*2236
	<b>FUR GOODS</b>		
470	Fur coats and other fur garments, accessories, and trimmings. Establishments primarily engaged in the manufacture of fur coats and other fur garments, accessories, and trimmings made in inside factories or by jobbers, and in contract factories.	1615	1615 1665
	<b>MISCELLANEOUS APPAREL</b>		
446	Belts (apparel), regardless of material. Establishments primarily engaged in the production of apparel belts (made for sale) for men, women, and children whether made of leather, fabric, or other materials.	216	2143 *906 *2169

**Industry Group 4.—APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS—Continued**

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>MISCELLANEOUS APPAREL—Continued</b>		
480	<b>Work gloves and mittens: cloth, cloth and leather combined.</b> Establishments primarily engaged in the manufacture of work gloves and mittens made of cloth or of cloth and leather combined. Establishments knitting gloves are included in Industry 357, producing strictly leather gloves in Industry 1250, and producing rubber gloves in Industry 1199.	217	*2171
481	<b>Dress and semidress gloves and mittens: cloth, cloth and leather combined.</b> Establishments primarily engaged in the manufacture of dress and semidress gloves and mittens made of cloth or of cloth and leather combined. Establishments knitting gloves are included in Industry 357, producing strictly leather gloves in Industry 1250, and producing rubber gloves in Industry 1199.	217	*2171
482	<b>Handkerchiefs—made in inside factories or by jobbers engaging contractors.</b>	217	2172
483	<b>Handkerchiefs—made in contract factories.</b>	217	2272
484	<b>Suspenders, garters, and other goods made from purchased elastic material.</b> Establishments primarily engaged in the manufacture of suspenders, arm bands, garters, hose supporters, and other elastic products made from purchased fabric. Establishments producing corsets and allied garments are included in Industry 445.	217	2173
485	<b>Robes, lounging garments, and dressing gowns.</b> Establishments primarily engaged in the manufacture of men's, women's, and children's bath robes, lounging garments, and dressing gowns.	215	{ *2143 *2169 *2237 *2243
486	<b>Raincoats and other waterproof garments (except oiled cotton).</b> Establishments primarily engaged in the manufacture of rubberized raincoats and other waterproof garments, except oiled fabric garments (Industry 429). Rubber garments and vulcanized rubber garments are included in Industry 1199.	215	{ *2151 *2169 *2152 *2237
487	<b>Clothing, leather and sheep-lined.</b> Establishments primarily engaged in the manufacture of leather garments and sheep-lined garments for work and sportswear, except gloves and mittens (Industry 1250).	215	*2134
	<b>EMBROIDERIES AND TRIMMINGS</b>		
488	<b>Embroideries: Schiffli-machine products.</b> This industry includes regular factories or jobbers engaging contractors who produce for sale from their own materials Schiffli-machine embroideries for apparel and housefurnishing goods.	221	{ *2211 *2244
490	<b>Embroideries, other than Schiffli-machine products—made in regular factories or by jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors who produce for sale from their own materials of bonnaz and machine-made embroideries other than Schiffli-machine products.	221	2212
491	<b>Embroideries, other than Schiffli-machine products—contract factories.</b> Establishments primarily engaged in the production on a contract basis from materials owned by others of bonnaz and hand-machine embroideries other than Schiffli-machine products.	221	2245
492	<b>Trimmings (not made in textile mills), stamped art goods, and art needlework—made in regular factories or by jobbers engaging contractors.</b> This classification includes pleating, stitching, and tucking from own materials.	221	2213
493	<b>Trimmings (not made in textile mills), stamped art goods, and art needlework—contract factories.</b> This classification includes pleating, stitching, and tucking for the trade.	221	2246
	<b>MISCELLANEOUS FABRICATED TEXTILE PRODUCTS</b>		
494	<b>Curtains, draperies, and bedspreads—made in regular factories or by jobbers engaging contractors.</b> This industry includes regular factories or jobbers engaging contractors who produce for sale from their own materials curtains, draperies, and bedspreads. Goods of this type fabricated in dyeing and finishing plants are not included.	218	2181

\*Part of.

**Industry Group 4.—APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS—Continued**

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>MISCELLANEOUS FABRICATED TEXTILE PRODUCTS—Continued</b>		
495	<b>Curtains, draperies, and bedspreads—contract factories.</b> Establishments primarily engaged in the manufacture on a contract basis from materials owned by others of curtains, draperies, and bedspreads. Goods of this type fabricated in dyeing and finishing plants are not included.	218	2281
496	<b>Housefurnishings (except curtains, draperies, and bedspreads).</b> Establishments primarily engaged in the manufacture of housefurnishing goods such as sheets, pillowcases, napkins, table cloths, comfortables, pillows, mops and dusters, slip covers, laundry bags, etc. Products of this kind fabricated in dyeing and finishing establishments are not included in this classification. Curtains, draperies, and bedspreads are included in Industries 494 and 495.	218	2182
497	<b>Textile bags—not made in textile mills.</b> Establishments primarily engaged in the manufacture of cotton, burlap, and other bags from purchased textiles. Laundry bags are included in Industry 496.	218	2192
498	<b>Canvas products (except bags).</b> Establishments primarily engaged in the manufacture of awnings, tents, sails, canvas covers, tarpaulins, and canopies.	218	2191
499	<b>Miscellaneous fabricated textile products not elsewhere classified.</b>	218	{ 2193 2194

**Industry Group 5.—LUMBER AND TIMBER BASIC PRODUCTS**

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>The Group as a Whole</b> This group includes establishments primarily engaged in the basic lumber industries. These establishments include logging camps, sawmills, veneer mills, shingle mills, lath mills, cooperage-stock mills, planing mills, and plywood mills.		
	<b>LOGGING</b>		
511	<b>Logging camps and logging contractors (not operating sawmills).</b> Establishments primarily engaged in the making of logs, bolts, and rough timber products such as hewn crossties, poles, posts, hewn mine timbers, wheel and handstock, and excelsior stock whether cut for own account or on a contract basis.	311	*311
	<b>SAWMILLS AND SPECIAL-PRODUCT MILLS</b>		
520	<b>Sawmills, veneer mills, and cooperage-stock mills, including those combined with logging camps and with planing mills.</b> Establishments primarily engaged in producing rough lumber, shingles, lath, sawed crossties, veneer, and cooperage stock. <i>Sawmills</i> which further manufacture lumber into boxes, crates, and shooks are classified in this industry. Mills producing veneer and cooperage stock for use in further manufacture in the same plant are classified according to the finished product.	311	*311
	<b>PLANING AND PLYWOOD MILLS</b>		
531	<b>Planing mills not operated in conjunction with sawmills.</b> Establishments primarily engaged in the manufacturing of dressed lumber, sash, doors, window and door frames, interior woodwork, molding, etc. Planing mills connected with sawmills are included in Industry 520.	314	*314
532	<b>Plywood mills.</b> Establishments primarily engaged in the manufacturing of plywood from veneer which is either purchased or produced in own plant.	311	{ *311 *314



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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in manufacturing furniture made of wood or other materials; finished articles made entirely or mainly of wood or wood substitutes; and articles related to those made of wood, such as mattresses and studio couches, because they are either produced in the same plants or sold in the same markets. The treatment of wood with creosote and other preserving processes is included in this group. There are establishments producing wooden articles not assigned to this group. For example, equipment specifically designed for use in beauty shops (2033); pianos and wooden musical instruments (2039); and wooden toys and playground equipment (2041); etc. Woodworking in connection with construction on the job (carpentry work, etc.), woodworking to individual order or in the nature of reconditioning and repair is not regarded as part of the manufacturing industries.		
	<b>HOUSEHOLD FURNITURE</b>		
611	<b>Mattresses and bedsprings</b> ..... Establishments primarily engaged in the manufacture of mattresses (including box-spring mattresses); assembled wire springs (fabric, coil, or box) for use on beds, couches, and cots; and spring cushions. Individual spiral springs are included in Industry 1449.	1624	1624
612	<b>Upholstered household furniture</b> ..... Establishments primarily engaged in the manufacture of upholstered household furniture, regardless of whether frames are made of wood, reed, and rattan, or metal. Reupholstering of furniture and upholstering frames to individual orders are not considered a part of the manufacturing industries.	309	*309
619	<b>Household furniture except upholstered</b> ..... Establishments primarily engaged in the manufacture of household furniture made of wood, reed, and rattan, or metal, not upholstered, including cases and cabinets for radios and sewing machines, and other furniture commonly used in dwellings, not elsewhere classified.	309	*309
	<b>OFFICE FURNITURE</b>		
620	<b>Office furniture</b> ..... Establishments primarily engaged in the manufacture of office furniture, whether made of wood, reed, and rattan, or metal. Restaurant furniture is also included in this group.	309	*309
	<b>PUBLIC-BUILDING AND PROFESSIONAL FURNITURE</b>		
631	<b>Public-building furniture</b> ..... Establishments primarily engaged in the manufacture of furniture for schools, theaters, assembly halls, churches, and libraries. Seats for public conveyances are classified in this industry. Stone furniture is included in Industry 1380.	309	*309
632	<b>Laboratory, hospital, and other professional furniture</b> ..... Establishments primarily engaged in the manufacture of specially designed cabinets, tables, beds, and other furniture, including furniture (not equipment) used in barber shops and beauty parlors.	309	*309
	<b>PARTITIONS</b>		
641	<b>Partitions, shelving, cabinet work, and office and store fixtures</b> ..... Establishments primarily engaged in the manufacture of partitions, shelving, prefabricated cabinets, show and display cases (except for refrigeration), and office and store fixtures made from wood or other materials. Fabricated wooden store fronts are included in this industry.	309	*309
	<b>WOODEN CONTAINERS</b>		
651	<b>Baskets for fruits and vegetables</b> ..... Establishments primarily engaged in the manufacture of fruit and vegetable baskets and hampers, round store baskets, and climax baskets of all kinds, made of veneer, splints, reed, rattan, willow, etc.	301	*301
652	<b>Rattan and willowware (except furniture) and baskets other than vegetable and fruit baskets</b> ..... Establishments primarily engaged in the manufacture of baskets, other than fruit and vegetable, and small articles made of veneer, reed, rattan, willow, splints, etc.	301	*301

\*Part of.

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>WOODEN CONTAINERS—Continued</b>		
653	<b>Cigar boxes: wooden, part wooden</b> ..... Establishments primarily engaged in the manufacture of boxes of wood or partly of wood in which cigars are packed for sale. Paper cigar boxes are classified in Industry 770.	301	303
654	<b>Wooden boxes except cigar boxes</b> ..... Establishments primarily engaged in the manufacture of wooden boxes, cases, crates, box shooks, and carrier trays. Wooden storage battery boxes and fancy boxes of wood covered with cloth are included in this industry. Wooden cigar boxes are classified in Industry 653.	301	304
655	<b>Cooperage</b> ..... Establishments primarily engaged in the manufacture of barrels, kegs, tubs, hogsheds, and other containers made of staves. Cooperage stock made for sale as such is classified in Industry 520.	306	306
	<b>WINDOW AND DOOR SCREENS, SHADES, AND VENETIAN BLINDS</b>		
661	<b>Window and door screens and weather strip</b> ..... Establishments primarily engaged in the manufacture of window and door screens and weather strip, regardless of materials used.	318	318
662	<b>Window shades</b> ..... Establishments primarily engaged in the manufacture of complete window shades, window shade rollers and fittings; curtain rods, poles, and fixtures. The assembling of window shades from purchased parts is included in this industry.	100	1651
663	<b>Venetian blinds</b> ..... Establishments primarily engaged in the manufacture of venetian blinds, regardless of materials used. Venetian-blind slats are classified in Industry 531.	314	*314
	<b>MORTICIANS' GOODS</b>		
671	<b>Caskets, coffins, burial cases, and other morticians' goods</b> ..... Establishments primarily engaged in the manufacture of caskets, coffins, burial cases, and shipping cases whether of wood or other materials (except concrete); morticians' supplies and accessories, such as burial garments, gloves, slippers, casket linings, and embalming fluids; and morticians' paraphernalia and equipment.	305	305
	<b>MISCELLANEOUS WOOD PRODUCTS</b>		
691	<b>Excelsior</b> ..... Establishments primarily engaged in the manufacture of excelsior made of wood, and excelsior pads and wrappers.	308	308
692	<b>Cork products</b> ..... Establishments primarily engaged in the manufacture of bottle corks, life preservers, insulating materials, tile, and other articles made of cork, ground cork, and cork composition. Linoleum and cork carpet are included in Industry 374.	307	307
693	<b>Matches</b> ..... Establishments primarily engaged in the manufacture of matches, regardless of materials used.	312	312
694	<b>Wood preserving</b> ..... Establishments primarily engaged in treating wood to prevent decay and to protect against fire and insects.	319	319
695	<b>Lasts and related products</b> ..... Establishments primarily engaged in the manufacture of lasts for boots and shoes, last sole patterns, shoe trees, and display forms for boots and shoes, regardless of material used.	320	310
696	<b>Mirror frames and picture frames</b> ..... Establishments primarily engaged in the manufacture of finished picture moldings, frames for mirrors, pictures, photographs, and medallions. Framing pictures for the trade is included in this industry, but establishments framing pictures for individual orders are not considered part of the manufacturing industries. Establishments framing mirrors are included in Industry 1330.	313	313
699	<b>Wood products not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of turned and shaped wooden products not elsewhere classified.	320	320

## Industry Group 7.—PAPER AND ALLIED PRODUCTS

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes the manufacture of pulp primarily from wood, and from rags and other fibers; the conversion of these pulps into any kind of paper and paperboard; and the manufacture of paper and paperboard into converted paper products such as paper bags, paper boxes, cards, envelopes, etc. Special converted paper products are classified elsewhere, such as abrasive paper with other abrasive materials in Industry 1391, carbon paper with other typewriting supplies in Industry 2055, and photosensitized and blueprint paper with other photographic supplies in Industry 2012.		
	<b>PULP MILLS</b>		
711	<b>Pulp mills</b> ..... Establishments primarily engaged in the making of pulp from wood and from other fibers, such as rags, cotton linters, straw, etc.	410	410
	<b>PAPER AND PAPERBOARD MILLS</b>		
720	<b>Paper and paperboard mills</b> ..... Establishments primarily engaged in the manufacture of all kinds of paper such as newsprint, book, cover, writing, wrapping, tissue, absorbent, building, and miscellaneous paper. All kinds of paperboards including wallboard and insulating board made strictly on paper machines. Converted paper products made in paper mills are classified in this industry. Establishments manufacturing wall and insulating board not made on paper machines are classified in Industry 1374. An independent factory making converted paper products is given its specific industry classification.	407	407
	<b>CONVERTED PAPER PRODUCTS</b>		
740	<b>Coated and glazed paper</b> ..... Establishments primarily engaged in the manufacture of coated-book, waxed, and gummed paper (including gummed labels and paper and cloth tape), and other coated and glazed paper made from purchased stock. Waterproofed wrapping paper, fly paper, and cloth-lined paper are also classified in this industry. Carbon paper is included in Industry 2055, and photographic and blueprint paper in Industry 2012.	401	*408
751	<b>Envelopes</b> ..... Establishments primarily engaged in the manufacture of paper envelopes of any description, including those made for filing, wrapping, etc.	401	405
760	<b>Paper bags, except those made in paper mills</b> ..... Establishments primarily engaged in the manufacture of paper bags of any description. Cellophane bags are included in Industry 2080.	401	401
774	<b>Fiber cans, tubes, and similar products</b> ..... Establishments primarily engaged in the manufacture of fiber cans, cones, cores, mailing cases, ribbon blocks, spools, tubes, and similar products with or without metal ends.	401	*402 *408 *315
779	<b>Paperboard containers and boxes not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of folding and set-up boxes, corrugated and solid-fiber shipping containers, decorated, lithographed, lacquered, and fancy-covered paper boxes, and other paper and paperboard boxes and containers.	401	*402
791	<b>Die-cut paper and paperboard, and converted cardboard</b> ..... Establishments primarily engaged in the manufacture of bottle caps, converted cardboard, photograph mats, folders, etc., and index, jacquard, library, and other cut cards.	401	403 404 *408
793	<b>Wallpaper</b> ..... Establishments primarily engaged in the designing of patterns and printing paper for interior walls and ceilings. (The paper itself, designated as "hanging paper," is made in paper mills.)	401	411
799	<b>Converted paper products not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of crepe paper, cups, dishes, etc., egg-case fillers, paper napkins and towels, papeteries, playing cards, printed and unprinted paper patterns, tags, seals, soda straws, tablets, toilet paper, facial tissues, etc.	401	*408 *508
	<b>PULP GOODS</b>		
794	<b>Pulp goods (pressed, molded)</b> ..... Establishments primarily engaged in the manufacture of all kinds of pressed and molded pulp goods, such as pulp plates and utensils, and all papier mâché articles, except statuary. Statuary is classified in Industry 1398.	315	*315

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes printing, publishing, lithographing, and engraving establishments, and establishments performing services for the printing trade such as typesetting, photoengraving, electrotyping, stereotyping, rotogravure, and bookbinding. The group includes publishers doing no printing, publishers doing their own printing, and printers doing no publishing. Publishers doing commercial or job printing are classified as publishers even though the job printing is the main source of income. News syndicates are not included in the manufacturing industries.		
	<b>NEWSPAPERS</b>		
811	<b>Newspapers: publishing without printing</b> ..... Establishments primarily engaged in preparing and publishing, but not printing, newspapers. Establishments specializing in printing newspapers for publishers are included in Industry 851, General commercial (job) printing.	508	*510
812	<b>Newspapers: publishing and printing</b> ..... Establishments primarily engaged in preparing, publishing, and printing newspapers. These establishments carry on the various operations necessary to issue newspapers, including editorial and mechanical departments. Establishments specializing in printing newspapers for publishers are included in Industry 851, General commercial (job) printing.	508	*510
	<b>PERIODICALS</b>		
821	<b>Periodicals: publishing without printing</b> ..... Establishments primarily engaged in preparing and publishing, but not printing, periodicals. Establishments specializing in printing periodicals for publishers are included in Industry 851, General commercial (job) printing.	508	*510
822	<b>Periodicals: publishing and printing</b> ..... Establishments primarily engaged in preparing, publishing, and printing periodicals. These establishments carry on the various operations necessary to issue periodicals, including editorial and mechanical departments. Establishments specializing in printing periodicals for publishers are included in Industry 851, General commercial (job) printing.	508	*510
	<b>BOOKS</b>		
831	<b>Books: publishing without printing</b> ..... Establishments primarily engaged in publishing, but not manufacturing, books and pamphlets. The publishing and manufacturing of books and pamphlets, or the manufacturing of books and pamphlets, are included in Industries 832 and 833.	508	*508
832	<b>Books: publishing and printing</b> ..... Establishments primarily engaged in publishing and manufacturing books and pamphlets. These establishments carry on the various operations necessary to issue books and pamphlets, including editorial and mechanical departments. Establishments specializing in printing books and pamphlets for publishers are included in Industry 833.	508	*508
833	<b>Books: printing without publishing</b> ..... Establishments primarily engaged in printing of books and pamphlets for publishers by letterpress, lithograph, or other processes.	508	*508 *507 *506
	<b>GENERAL COMMERCIAL (JOB) PRINTING</b>		
851	<b>General commercial (job) printing</b> ..... Establishments primarily engaged in commercial or job printing (letterpress). This industry includes general printing shops as well as shops specializing in printing newspapers and periodicals for others. Job printing by the lithographing process is included in Industry 861. Establishments specializing in printing books and pamphlets for publishers are included in Industry 833.	508	*508
	<b>LITHOGRAPHING</b>		
861	<b>Lithographing and photo-lithographing (including preparation of stones or plates and dry transfers)</b> ..... Establishments primarily engaged in the preparation of lithograph plates of stone or of metal, and printing from such plates. The greater part of the work done in the industry is lithographing done on a job or custom basis to individual order, but in some cases lithographed calendars, commercial forms, maps, illustrated cards, posters, etc., are made for sale. That branch of lithography known as offset printing is included in this classification. Lithographing of books and pamphlets for publishers is classified in Industry 833.	508	*506

\*Part of.

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

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>GREETING CARDS</b>		
862	Greeting cards (except hand-painted)..... Establishments primarily engaged in designing and manufacturing greeting, valentine, and Christmas cards, and Christmas seals, printed, lithographed, etched, and otherwise processed. This industry includes establishments designing only, or manufacturing only, or both designing and manufacturing these products. The hand painting of greeting cards is not included in the manufacturing activities.	508	*508 *506 *504
	<b>GRAVURE, ROTOGRAVURE, AND ROTARY PHOTOGRAVURE</b>		
871	Gravure, rotogravure, and rotary photogravure (including preparation of plates)..... Establishments primarily engaged in the preparation of gravure, photogravure, and rotary photogravure plates, and in printing from such plates.	508	*507
	<b>BOOKBINDING AND RELATED INDUSTRIES</b>		
880	Bookbinding and related industries..... Establishments primarily engaged in the binding of books and pamphlets (chiefly on a contract or custom basis); in the manufacture of blank books, such as ledgers, account books, sales books, etc., loose-leaf devices and fillers for such devices, inventory and similar blanks and indexes; and in related work, such as paper ruling and cutting, embossing, paper and card edging, map and sample mounting, etc. The binding done by manufacturers of books is included in Industry 832.	508	501
	<b>SERVICE INDUSTRIES FOR THE PRINTING TRADES</b>		
891	Machine and hand typesetting (including advertisement typesetting)..... Establishments primarily engaged in machine and hand typesetting for the trade, including advertisement typesetting.	508	*508
892	Engraving (steel, copperplate, and wood); plate printing..... Establishments primarily engaged in engraving and etching of steel and copperplates, for printing stationery, visiting and other cards, invitations, announcements, security certificates, music, maps, halftones, etc.; and printing from these plates; and making woodcuts for use in printing illustrations, posters, etc. Engraving for purposes other than printing is included in Industry 1571.	508	*504
893	Photoengraving, not done in printing establishments (including preparation of plates)..... Establishments primarily engaged in the making of photoengraved plates for printing illustrations, and art work, post cards, greeting cards, magazine covers, halftone engravings, etc. The establishments do not, as a rule, print from the plates which they make, but prepare them for use by others.	508	*507
894	Electrotyping and stereotyping, not done in printing establishments..... Establishments primarily engaged in the making of stereotype and electrotype plates. Such establishments do not, as a rule, print from the stereotype and electrotype plates, but prepare them for use by others.	508	512

## Industry Group 9.—CHEMICALS AND ALLIED PRODUCTS

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments producing basic chemicals and establishments manufacturing products by predominantly chemical operations. Establishments in the group manufacture, in general, three classes of products: (1) basic chemicals, such as acids, alkalis, salts, organic chemicals, etc.; (2) semifinished chemical products to be used in further manufacturing, such as rayon yarns, plastic materials, crude animal and vegetable oils, dry colors, pigments, etc.; (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, and soaps, etc., or for use as supplies in other industries, such as paints, fertilizers, explosives, etc. The manufacture of some chemicals is assigned to major groups other than this group; for example, (1) baking powder and other leavening compounds used in food manufacturing are included in Group 1; (2) embalming fluids, together with other morticians' goods, in Group 6; (3) artists' colors, together with other artists' materials, in Group 20. Salt, sodium compounds, and soluble mineral salts, produced from brine, are included in this group, but mining of natural rock salt is not considered a part of the manufacturing industries.		
	<b>PAINTS, VARNISHES, AND COLORS</b>		
911	Paints, varnishes, and lacquers..... Establishments primarily engaged in the manufacture of paints in paste form or mixed ready for use, varnishes, lacquers, calcimines, enamels, etc.	626	*626

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

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>PAINTS, VARNISHES, AND COLORS—Con.</b>		
912	Colors and pigments..... Establishments primarily engaged in the manufacture of colors and pigments, other than bone black, carbon black, and lampblack (Industry 986). Artists' oil and water colors are included in Industry 2054.	626	*626
	<b>ANIMAL AND VEGETABLE OILS (NOT INCLUDING LUBRICANTS OR COOKING AND SALAD OILS)</b>		
921	Cottonseed oil, cake, meal, and linters..... Establishments primarily engaged in the manufacture of cottonseed oil, crude or refined; cake, meal, and linters. The refining of cottonseed oil into edible cooking fats and oils is included in Industry 192.	622	622
922	Linseed oil, cake, and meal.....	623	623
923	Soybean oil, cake, and meal.....	623	*625
924	Essential oils..... Establishments primarily engaged in the distilling and refining of natural essential oils and witch-hazel extract. The production of aromatic synthetic oils and perfume bases of coal-tar origin is included in Industry 999.	623	624
925	Fish and other marine oils, cake, and meal..... Establishments primarily engaged in the manufacture of fish oil and meal and other marine animal oils. The refining of fish oil for medicinal purposes is included in Industry 931.	623	*625
929	Vegetable and animal oils, not elsewhere classified..... Establishments primarily engaged in the manufacture of vegetable oils, other than cottonseed (921), linseed (922), soybean (923), and essential aromatic oils (924). This industry includes the manufacture of oils from castor beans, palm kernels, peanuts, etc. The refining of these oils into edible cooking fats and oils is included in Industry 192.	623	*625
	<b>DRUGS, MEDICINES, TOILET PREPARATIONS, INSECTICIDES, AND RELATED PRODUCTS</b>		
931	Drugs and medicines (including drug grinding)..... Establishments primarily engaged in the manufacture of drugs and medicines, and biological and pharmaceutical preparations. This industry also includes the grinding of drugs and herbs.	611	611 612
932	Perfumes, cosmetics, and other toilet preparations..... Establishments primarily engaged in the manufacture of perfumes, cosmetics, and other toilet preparations such as toilet water, face powder, washes and lotions, hair tonic, tooth paste and powders, etc.	611	628
933	Insecticides, fungicides, and related industrial and household chemical compounds..... Establishments primarily engaged in the manufacture of insecticides, fungicides, deodorants, and disinfectants for household and industrial use; also other industrial compounds, such as boiler, insulating, metal and oil treating and waterproofing compounds, etc.	611	627 1614
	<b>SOAP AND GLYCERIN</b>		
941	Soap and glycerin..... Establishments primarily engaged in the manufacture of soap in any form, and the manufacture of crude and refined glycerin.	611	631
	<b>RAYON AND ALLIED PRODUCTS</b>		
951	Rayon and allied products..... Establishments primarily engaged in the manufacture of rayon and allied products in fiber, yarn, sheet, or in other forms.	629	629
	<b>HARDWOOD DISTILLATION, CHARCOAL, AND NAVAL STORES</b>		
961	Hardwood distillation and charcoal manufacture..... Establishments primarily engaged in hardwood distillation and the manufacture of charcoal.	633	*633
962	Wood naval stores..... Establishments primarily engaged in the manufacture of turpentine, rosin, and other products by distilling soft wood.	633	*633
963	Gum naval stores (processing but not gathering or warehousing)..... Establishments primarily engaged in the manufacture of turpentine and rosin by distilling pine gum. The manufacture of turpentine and rosin by wood distillation is included in Industry 962. The gathering or warehousing of pine gum is not considered a part of the manufacturing industries.	317	317
	<b>FERTILIZERS</b>		
970	Fertilizers..... Establishments primarily engaged in the manufacture of commercial fertilizers and superphosphates, or mixing of fertilizer materials.	614	614

**Industry Group 9.—CHEMICALS AND ALLIED PRODUCTS—**  
 Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
<b>INDUSTRIAL CHEMICALS</b>			
980	<b>Tanning materials, natural dyestuffs, mordants, assistants, and sizes.</b> Establishments primarily engaged in the manufacture of natural dyestuffs, tanning extracts from wood, bark, and other vegetable materials and mordants, assistants, and sizes. The manufacture of these products from coal-tar is included in Industry 999.	632	632
981	<b>Coal-tar products, crude and intermediate.</b> Establishments primarily engaged in the manufacture of coal-tar crudes and intermediates.	608	*608
982	<b>Plastic materials.</b> Establishments primarily engaged in the manufacture of plastic materials and synthetic resins such as phenolic plastics, casein, and celluloid, etc. The manufacture of rayon and allied products is included in Industry 951. The fabrication of finished products made of purchased plastic materials is classified in Industry 2086.	608	*608
983	<b>Explosives.</b> Establishments primarily engaged in the manufacture of explosives, such as nitroglycerin, dynamite, blasting and smokeless powder, safety fuses, detonating caps, etc.	602	613
984	<b>Salt.</b> Establishments primarily engaged in the manufacture of commercial salt from rock salt or from natural or artificial brine. The mining of rock salt is not included in the manufacturing industries.	100	630
985	<b>Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants.</b> Establishments primarily engaged in the manufacture of gases for sale in compressed, liquid, and solid form, such as acetylene, chlorine, hydrocarbon gases, oxygen, carbon dioxide (dry ice), etc. The production of gases in compressed or liquefied form as byproducts of petroleum refineries is included in Industry 1011; the production of natural gasoline is not included in the manufacturing industries.	610	610
986	<b>Bone black, carbon black, and lampblack.</b>	606	606
999	<b>Chemicals not elsewhere classified.</b> Establishments primarily engaged in the manufacture of synthetic, organic and inorganic chemicals. Includes finished coal-tar products, industrial chemicals by electrochemical and electrometallurgical processes such as carbide, sodium and magnesium metals, ferro-alloys, acids, alkalis and salts and chemicals of all kinds by other processes not elsewhere classified. Production of copper, zinc, and aluminum are included in Industry Group 15 and artificial graphite and carborundum in Group 13.	608	*608
<b>MISCELLANEOUS CHEMICAL PRODUCTS</b>			
987	<b>Printing ink.</b> Establishments primarily engaged in the manufacture of printing inks of various colors, gold and bronze inks, and lithographic inks.	618	618
988	<b>Ammunition.</b> Establishments primarily engaged in the manufacture of ammunition for small arms. The manufacture of blasting and detonating caps and fuses is included in Industry 983.	602	602
989	<b>Cleaning and polishing preparations, blackings, and dressings.</b> Establishments primarily engaged in the manufacture of cleansers, washing powders, and washing compounds, containing no soap; dry cleaning preparations; metal, automobile, and other polishes; paint and varnish removers; blackings, waxes, stains, and dressings for fabricated leather and other materials; stove polish; burnishing inks, and related products.	611	604 609
990	<b>Glue and gelatin.</b> Establishments primarily engaged in the manufacture of glues and edible and inedible gelatin from animal and vegetable materials. The manufacture of dental glue is included in Industry 2023.	616	616
991	<b>Grease and tallow (except lubricating greases).</b> Establishments primarily engaged in the rendering of grease and tallow from animal fat, bones, meat scraps, etc. The manufacture of lubricating greases is included in Industries 992 and 1011.	616	617
992	<b>Lubricating oils and greases—not made in petroleum refineries.</b> Establishments primarily engaged in the compounding of lubricating oils and greases from purchased oils and fats. Lubricating greases made in petroleum refineries are included in Industry 1011.	616	704
993	<b>Fireworks.</b> Establishments primarily engaged in the manufacture of fireworks of all kinds, flares, and railroad torpedoes and fuses. The manufacture of safety and detonating fuses is included in Industry 983.	602	615

**Industry Group 9.—CHEMICALS AND ALLIED PRODUCTS—**  
 Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
<b>MISCELLANEOUS CHEMICAL PRODUCTS—</b> Continued			
994	<b>Candles.</b> Establishments primarily engaged in the manufacture of candles from purchased materials, such as fatty acids, mineral or animal waxes.	616	607
995	<b>Bluing.</b> Establishments primarily engaged in the manufacture of laundry bluing, soluble and liquid, aniline blue, etc., made principally from indigo and Prussian blue.	100	605
996	<b>Mucilage, paste, and other adhesives, except glue and rubber cement.</b> Establishments primarily engaged in the manufacture of mucilage, paste, mending cement, sealing wax and other adhesives, except glue and rubber cement which belong to other industries.	618	621
997	<b>Writing ink.</b> Establishments primarily engaged in the manufacture of writing ink and fluids, indelible ink, drawing ink, etc.	618	619

**Industry Group 10.—PRODUCTS OF PETROLEUM AND COAL**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
<b>The Group as a Whole</b>			
This group of industries includes establishments refining petroleum crude oil, and manufacturing coke and coke oven products, and products made from petroleum, coal, or natural gas (except lampblack). It includes paving and roofing materials. Gas manufactured and distributed to consumers is considered as a public utility and is not included here.			
<b>PETROLEUM REFINING</b>			
1011	<b>Petroleum refining.</b> Establishments primarily engaged in the refining of crude petroleum by distillation. Establishments primarily engaged in compounding refined or partly refined petroleum products are not included in this industry, and establishments producing gasoline from natural gas at the wells are not included in the manufacturing industries. The principal products named in the order of their importance are gasoline, fuel oils, lubricating oils, and illuminating oils.	705	705
<b>COKE AND BYPRODUCTS</b>			
1031	<b>Beehive coke.</b> Establishments primarily engaged in the production of coke by the beehive process.	701	*701
1032	<b>Oven coke and coke-oven byproducts.</b> Establishments primarily engaged in the manufacture of coke, coal gas, tar, and other products in "byproduct" coke ovens.	701	*701
<b>PAVING AND ROOFING MATERIALS</b>			
1051	<b>Paving blocks and paving mixtures: asphalt, creosoted wood, and composition.</b> Establishments primarily engaged in the manufacture of paving blocks of asphalt, creosoted wood and various compositions, and manufacture of asphalt and tar paving mixtures. Brick, concrete, granite, and stone paving blocks are included in Group 13.	100	1632
1052	<b>Roofing, built-up and roll; asphalt shingles; roof coating (except paint).</b> Establishments primarily engaged in the manufacture of asphalt and other saturated roofing felts, in rolls or in shingle form, either smooth or faced with gut, and manufacture of roofing cements and coatings (except paint, 911).	1638	1638
<b>PRODUCTS OF PETROLEUM AND COAL NOT ELSEWHERE CLASSIFIED</b>			
1091	<b>Fuel briquets.</b> Establishments primarily engaged in the manufacture of briquets and boulets from anthracite culm, bituminous slack, peat, etc., mixed with tar or pitch as a binder, and manufacture of charcoal briquets and powdered fuel.	100	702

## Industry Group 11.—RUBBER PRODUCTS

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>  This group of industries includes establishments manufacturing rubber products of all kinds, such as tires, rubber footwear, mechanical rubber goods, and rubber sundries. This group also includes establishments specializing in reclaiming rubber or in retreading rubber tires. The manufacture of elastic webbing is included in the cotton narrow fabrics industry 312, products made of elastic webbing in industry 484, and the manufacture of garments from rubberized fabrics in industry 486. The products of this industry may be made from natural rubber or from synthetic rubber the manufacture of which is classified in industry 999.		
	<b>TIRES AND INNER TUBES</b>		
1111	<b>Tires and inner tubes</b> Establishments primarily engaged in the manufacture of pneumatic tires, inner tubes, and solid and cushion rubber tires for any class of vehicle.	801	803
	<b>RUBBER BOOTS AND SHOES</b>		
1121	<b>Rubber boots and shoes (including rubber-soled footwear with fabric uppers)</b> Establishments primarily engaged in the manufacture of all-rubber footwear, waterproof fabric-upper footwear, and other fabric-upper footwear having rubber soles.	801	801
	<b>MISCELLANEOUS RUBBER INDUSTRIES</b>		
1191	<b>Reclaimed rubber</b> Establishments primarily engaged in the reclaiming of rubber. This industry does not include the reclaiming of rubber in plants engaged in manufacturing rubber goods.	801	*802
1199	<b>Rubber products not elsewhere classified</b> Establishments primarily engaged in the manufacture of rubber heels; soles, including composition or fiber; soling strips; mechanical soft rubber goods such as belts, hose and tubing, plumbers' supplies; hard rubber goods such as battery boxes, combs, cigar and cigarette holders, and druggists' sundries; rubber tile, flooring; rubberized fabrics and clothing; sponge rubber products; tire sundries and repair materials and tire retreading done on a factory basis.	801	*802

## Industry Group 12.—LEATHER AND LEATHER PRODUCTS

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>  This group of industries includes establishments tanning, currying, and finishing hides and skins, and establishments manufacturing finished products of leather, such as industrial belting and packing, boot and shoe cut-stock and findings, footwear, gloves and mittens, luggage, women's handbags, saddlery and harness, small leather goods, and miscellaneous leather goods. Establishments manufacturing similar articles made from fabric, such as fabric shoes, fabric handbags, fabric luggage, etc., are included in these industries. Regular manufacturers, contractors, and jobbers engaging contractors are within the scope of the Leather industries.		
	<b>LEATHER: TANNED, CURRIED, AND FINISHED</b>		
1211	<b>Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors</b> This industry includes regular factories or jobbers engaging contractors who are engaged in tanning, currying, and finishing sole and belting leather, upper and lining leather, and the japanning and finishing of leather from their own materials.	907	907
1212	<b>Leather: tanned, curried, and finished—contract factories</b> This industry includes factories engaged in tanning, currying, and finishing sole and belting leather, upper and lining leather, and the japanning and finishing of leather on a contract basis.	907	907
	<b>LEATHER PRODUCTS</b>		
1221	<b>Industrial leather belting and packing leather</b> Establishments primarily engaged in the manufacture of leather belting used for transmission of power, and leather packing.	901	901
1230	<b>Boot and shoe cut stock and findings</b> Establishments primarily engaged in the manufacture of soles, inner soles, and other cut stock including leather welting, shanks, heel and toe caps, leather shoe laces; finished wood heels and other boot and shoe findings are also included in this industry.	902	902

\*Part of.

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>LEATHER PRODUCTS—Continued</b>		
1240	<b>Footwear (except rubber)</b> Establishments primarily engaged in the manufacture of boots, shoes, sandals, slippers, moccasins, and allied footwear, and leggings, overgaiters, etc., made chiefly of leather, but to some extent of canvas and other textiles. The manufacture of house slippers, regardless of material, is included in this industry. Establishments manufacturing rubber-soled canvas footwear are included in industry 1121.	904	904
1250	<b>Leather gloves and mittens</b> Establishments primarily engaged in the manufacture of gloves and mittens exclusively of leather (except sporting and athletic gloves, industry 2049). The manufacture of gloves and mittens of cloth and leather combined is included in industries 480 and 481.	217	905
1260	<b>Suitcases, brief cases, bags, trunks, and other luggage</b> Establishments primarily engaged in the manufacture of trunks, suitcases, bags, brief cases, and related luggage products, regardless of material.	906	910
1271	<b>Women's pocketbooks, handbags, and purses</b> Establishments primarily engaged in the manufacture of women's handbags and purses regardless of material.	906	908
1272	<b>Small leather goods</b> Establishments primarily engaged in the manufacture of small articles from leather, such as billfolds, card cases, cigarette cases, key cases, etc.	906	911
1291	<b>Saddlery, harness, and whips</b> Establishments primarily engaged in the manufacture of saddles and parts, harness and parts, halters, horse boots, feed bags, whips and crops, whipstocks, whip handles, etc.	906	909
1299	<b>Leather goods not elsewhere classified</b>	906	*906

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>  This group of industries includes establishments primarily engaged in manufacturing flat glass and glass containers, cement, structural clay products, pottery, concrete and gypsum products, cut-stone products, abrasive and asbestos products, etc., from materials principally taken from the earth in the form of stone, clay, and sand. Mines or quarries located at, or near, the manufacturing plants producing cement, structural clay products, stone products, or lime, and used by these manufacturing plants as their own source of raw materials are classified together with the manufacturing plants in this group. All these instances where manufacturing and mining and quarrying are combined into one establishment and reported as manufacturing tend to decrease the relative importance of the primary industry, but reflect, however, the actual structure of industry in the United States.		
	<b>FLAT GLASS</b>		
1310	<b>Flat glass</b> Establishments primarily engaged in the manufacture of flat glass, including plate glass, clear window glass, ornamental and structural flat glass.	1008	*1008
	<b>GLASSWARE, PRESSED OR BLOWN</b>		
1321	<b>Glass containers</b> Establishments primarily engaged in the manufacture of glass containers for packing and bottling and for home canning.	1008	*1008
1323	<b>Tableware, pressed or blown glass, and glassware not elsewhere classified</b> Establishments primarily engaged in the manufacture of handmade and pressed or blown glassware other than glass containers (1321); scientific, technical, and industrial glass; glass cooking utensils, etc.	1008	*1008
	<b>GLASS PRODUCTS MADE OF PURCHASED GLASS</b>		
1330	<b>Mirrors and other glass products made of purchased glass</b> Establishments primarily engaged in the manufacture of mirrors; stained, leaded, ornamental and decorated glass; glass novelties; cutting, beveling, and etching of glass from purchased glass.	1016	1016

Industry Group 13.—STONE, CLAY, AND GLASS  
PRODUCTS—Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
1340	<b>CEMENT</b> Establishments primarily engaged in the manufacture of Portland, natural, masonry, and puzzolan cements.	1002	1002
	<b>STRUCTURAL CLAY PRODUCTS</b>		
1351	<b>Brick and hollow structural tile.</b> Establishments primarily engaged in the manufacture of bricks and hollow structural tile, including conduit, silo and corn crib fireproofing, floor, arch, and combination tile, and flooring brick. The manufacture of fire-clay brick is included in Industry 1356, and sand-lime brick in Industry 1396.	1004	*1004
1352	<b>Terra cotta.</b> Establishments primarily engaged in the manufacture of architectural terra cotta.	1004	*1004
1353	<b>Roofing tile.</b> Establishments primarily engaged in the manufacture of roofing tile from clay.	1004	*1004
1354	<b>Floor and wall tile (except quarry tile).</b> Establishments primarily engaged in the manufacture of floor tile, ceramic tile, mosaic tile, glazed or enameled tile including faience, white glazed or other tile used as floor or wall tile, except quarry tile.	1004	*1004
1355	<b>Sewer pipe and kindred products.</b> Establishments primarily engaged in the manufacture of sewer pipe and kindred products made of clay.	1004	*1004
1356	<b>Clay refractories, including refractory cement (clay).</b> Establishments primarily engaged in the manufacture of fire-brick and other heat-resisting clay products such as glass-house tank blocks, stoppers, floaters, and rings.	1004	*1004
1359	<b>Clay products (except pottery) not elsewhere classified.</b> Establishments primarily engaged in the manufacture of clay products such as stove lining, flue lining, chimney pipe and tops, wall coping, segment blocks, drain and quarry tile, etc.	*1004	*1004
	<b>POTTERY AND RELATED PRODUCTS</b>		
1361	<b>Vitreous-china plumbing fixtures.</b> Establishments primarily engaged in the manufacture of vitreous and semivitreous china plumbing fixtures from clay.	1004	*1017
1362	<b>Hotel china.</b> Establishments primarily engaged in the manufacture of hotel china from clay.	1004	*1017
1363	<b>Whiteware.</b> Establishments primarily engaged in the manufacture of semivitreous china types of earthenware, including cream color, white, granite, and semiporcelain ware.	1004	*1017
1364	<b>Porcelain electrical supplies.</b> Establishments primarily engaged in the manufacture of porcelain electrical insulation materials from clay.	1004	*1017
1365	<b>China firing and decorating (for the trade).</b> Establishments primarily engaged in the manufacture of firing and decorating china for the trade. Small establishments firing and decorating china to individual order are not included in the manufacturing industries.	100	1003
1369	<b>Pottery products not elsewhere classified.</b> Establishments primarily engaged in the manufacture of pottery not elsewhere classified. This industry includes porcelain china, bone china, delft and Belleek ware; chemical porcelain, chemical stoneware, etc.	1004	*1017
	<b>CONCRETE, GYPSUM, AND PLASTER PRODUCTS</b>		
1371	<b>Concrete products.</b> Establishments primarily engaged in the manufacture of concrete building blocks and shapes, pipes, and conduit, and similar products such as poles and piling, vaults, etc., from a combination of stone or gravel, sand, and cement. This industry does not include concrete construction work on buildings, bridges, etc.	1005	1005
1372	<b>Gypsum products.</b> Establishments primarily engaged in the manufacture of plaster, plasterboard, and other products composed wholly or chiefly of gypsum.	100	1022
1373	<b>Mineral wool.</b> Establishments primarily engaged in the manufacture of mineral wool for insulation made of minerals such as rock, glass, slag, etc.	1020	*1020

Industry Group 13.—STONE, CLAY, AND GLASS  
PRODUCTS—Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>CONCRETE, GYPSUM, AND PLASTER PRODUCTS—Continued</b>		
1374	<b>Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition.</b> Establishments primarily engaged in the manufacture of wall and insulating boards (other than gypsum, 1372), nonrigid thermal insulation and floor composition except mineral wool (1373), linoleum (374), and rubber flooring (1199). The manufacture of wall-board or insulating board on paper machines without further processing is included in the Paperboard industry (720).	1020	*1020
1375	<b>Lime.</b> Establishments primarily engaged in the manufacture of lime, chiefly from limestone and to a small extent from shells and other substances.	1002	1013
	<b>CUT-STONE AND STONE PRODUCTS</b>		
1380	<b>Monuments, tombstones, cut-stone, and stone products not elsewhere classified.</b> Establishments primarily engaged in cutting, shaping, and finishing marble, granite, slate, and other stone for building and miscellaneous uses, such as monuments and tombstones, stone furniture, and slate blackboards, etc., usually quarried by the same establishments engaged in cutting the stone to dimension. Establishments buying and selling finished or partly finished monuments and tombstones but doing no work on the stones other than lettering and finishing to custom order are not considered a part of the manufacturing industries. The cutting of grindstones, pulpstones, and whetstones in the quarry is not included in the manufacturing industries.	1014	1014
	<b>MISCELLANEOUS NONMETALLIC MINERAL PRODUCTS</b>		
1391	<b>Abrasive wheels, stones, paper, cloth, and related products.</b> Establishments primarily engaged in the manufacture of abrasive grinding wheels of emery, corundum, and other materials, natural or artificial; abrasive sticks, stones, bricks, paper, and cloths; buffing and polishing wheels, and abrasive grains. The cutting of grindstones, pulpstones, and whetstones in the quarry is not included in the manufacturing industries.	1021	1021
1392	<b>Asbestos products (except steam packing and pipe and boiler covering).</b> Establishments primarily engaged in the manufacture of asbestos textiles, asbestos building materials, and other commodities composed wholly or chiefly of asbestos, except steam and other packing and pipe and boiler covering and gaskets (1393).	1001	1001
1393	<b>Steam and other packing; pipe and boiler covering.</b> Establishments primarily engaged in the manufacture of packing for steam, water, and other pipe joints, and for engines, air compressors, etc.; insulating materials for covering boilers and pipes; and gaskets made of fiber, paper, or any combination of materials. Establishments primarily manufacturing cork gaskets are included in Industry 692, rubber gaskets in Industry 1199, and leather gaskets in Industry 1221. Establishments making two or more of these classes of gaskets are included in this industry.	1001	1644
1394	<b>Natural graphite, ground and refined.</b> Establishments primarily engaged in the extraction from the ore and refining of natural graphites (plumbago or black lead).	100	1010
1395	<b>Minerals and earths, ground or otherwise treated.</b> Establishments primarily engaged in the grinding, pulverizing, or treating of certain earths, rocks, or minerals such as barium, barytes, borax, chalk, clays, Cornwall stone, corundum, emery, feldspar, kaolin, mica, pumice, quartz, silica, and talc.	100	1015
1396	<b>Sand-lime brick, block and tile.</b>	1005	1018
1397	<b>Nonclay refractories.</b> Establishments primarily engaged in the manufacture of crucibles and refractories made of materials other than clay.	1004	1023
1398	<b>Statuary and art goods (except stone and concrete)—factory production.</b> Establishments primarily engaged in factory production of such articles as statuary, vases, urns, brackets, flower boxes, fountains, plaques, mantels, columns, panels, moldings, pedestals, etc., other than those made of stone (1380) and concrete (1371), and ornamental plaster work, architectural sculptures, small images, Scagliola, and papier-mâché articles.	100	1019

\*Part of.

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

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments engaged primarily in the production of pig iron and steel; iron and steel castings; and the rolling and forging of iron and steel into semifinished and finished rolled and forged products; and in further fabricating of the same into a great variety of finished iron and steel commodities. The manufacture of some metal products is included in this group regardless of the kind of metal used. The more important instances of such overlapping are hardware, steam fittings, stamped and pressed metal products; wire and wire products; and construction materials such as ornamental metal work, plumbers' supplies, and metal or metal-covered doors, window frames and sash. This group does not include machinery and machine tool attachments and dies (Group 17), automobile vehicles (Group 18), and other transportation equipment (Group 19).		
	<b>BLAST FURNACES, STEEL WORKS, AND ROLLING MILLS</b>		
1411	<b>Blast-furnace products</b> ..... Establishments primarily engaged in the manufacture of pig iron and blast-furnace ferro-alloys from ore and scrap. All blast furnaces are classified in this industry.	1110	1110
1412	<b>Steel works and rolling mills</b> ..... Establishments primarily engaged in the manufacture of steel or the rolling of hot iron and steel. Products include steel ingots, semifinished and finished hot-rolled steel, and the further processing of same when produced in departments operated in connection therewith. Tin plate and terneplate are manufactured exclusively and wire and wire products to a considerable extent in departments of steel works and rolling mills. The production of steel castings is classified in Industry 1423.	1112	*1112
	<b>IRON AND STEEL FOUNDRY PRODUCTS</b>		
1421	<b>Gray-iron and semisteel castings</b> ..... Establishments primarily engaged in the manufacture of gray-iron and semisteel castings.	1102	*1131
1422	<b>Malleable-iron castings</b> ..... Establishments primarily engaged in the manufacture of malleable-iron castings.	1102	*1131
1423	<b>Steel castings</b> ..... Establishments primarily engaged in the manufacture of steel castings.	1102	*1112
1424	<b>Cast-iron pipe and fittings</b> ..... Establishments primarily engaged in the manufacture of cast-iron pipe and cast-iron pipe fittings.	1102	1102
	<b>TIN CANS AND OTHER TINWARE</b>		
1430	<b>Tin cans and other tinware not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of packers' cans, general line cans, plain and decorated cans, pails, boxes, and packages; milk and ice-cream cans, household and cooking tinware and finished stamped tinware not elsewhere classified.	1129	1123
	<b>WIRE PRODUCTS</b>		
1441	<b>Wire drawn from purchased rods</b> ..... Establishments primarily engaged in the drawing of wire from purchased rods of iron, steel, and non-ferrous metals, and the further fabrication of wire products when done in the same plant. Wire departments of iron and steel rolling mills and nonferrous rolling mills are classified in Industries 1412 and 1520, respectively.	1126	1126
1442	<b>Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills</b> ..... Establishments primarily engaged in the manufacture of nails, spikes, staples, and tacks from purchased nail and tack plate and wire.	1101	1113
1449	<b>Wirework not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture, from purchased wire, of fabricated wire products such as wire fencing, wire cloth and netting, wire rope and cable, wire springs, etc. The production of insulated wire from purchased plain wire is classified in Industry 1630.	1126	1127
	<b>CUTLERY, TOOLS, AND HARDWARE</b>		
1451	<b>Cutlery (except aluminum, silver, and plated cutlery) and edge tools</b> ..... Establishments primarily engaged in the manufacture of all kinds of edge tools such as chisels, knives, razors, and blades; scythes, axes, cutting dies (except metal-cutting dies, 1742), and cutlery (except aluminum, 1592, silver and silver-plated cutlery, 1561).	1103	1103

\*Part of.

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

1939 Industry No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Industry No.
	<b>CUTLERY, TOOLS, AND HARDWARE—Continued</b>		
1452	<b>Tools (except edge tools, machine tools, files, and saws)</b> ..... Establishments primarily engaged in the manufacture of hand tools, such as are used by farmers, ironworkers, masons, mechanics, and plumbers. The manufacture of edge tools is included in Industry 1451, files in 1453, and saws in 1454.	1103	1125
1453	<b>Files</b> ..... Establishments primarily engaged in the manufacturing and recutting of files and rasps.	1103	1105
1454	<b>Saws</b> ..... Establishments primarily engaged in the manufacture of saw blades and complete hand saws.	1103	1116
1459	<b>Hardware not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of door locks and lock sets, and other builders' hardware; hardware for caskets, furniture, cabinets, saddlery, harness, trunks, suitcases, and motor vehicles; locks and padlocks; vacuum bottles and jugs; and marine hardware. Some products, retailed and generally regarded as hardware, are covered by separate industry classifications, such as bolts and nuts (1491), nails and spikes (1442), cutlery (1451), and hand tools (1452).	1101	1109
	<b>HEATING APPARATUS AND PLUMBERS' SUPPLIES</b>		
1461	<b>Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware)</b> ..... Establishments primarily engaged in the manufacture of enameled-iron sanitary ware and other plumbers' supplies such as plumbers' brass goods, etc., except pipe (1424 and 1493) and vitreous and semivitreous china sanitary ware (Group 13).	1114	1114
1462	<b>Oil burners, domestic and industrial</b> ..... Establishments primarily engaged in the manufacture of burners consuming distillate or fuel oil used for application to heating and cooking equipment and for industrial process equipment and for generation of steam for power. Boiler burner units and furnace burner units, complete, are included in Industries 1464 and 1465, respectively.	1119	*1119
1463	<b>Power boilers and associated products</b> ..... Establishments primarily engaged in the manufacture of power boilers, smokestacks, heavy tanks, plate work (cut, punched, and shaped for assembly on job), and similar boiler-shop products.	1122	1130
1464	<b>Steam and hot-water heating apparatus (including hot-water furnaces)</b> ..... Establishments primarily engaged in the manufacture of cast iron and steel steam and hot water heating boilers and parts, cast iron and nonferrous radiators; gas- and oil-fired radiators, gas and oil boiler burner units complete.	1119	*1119
1465	<b>Stoves, ranges, water heaters, and hot-air furnaces (except electric)</b> ..... Establishments primarily engaged in the manufacture of stoves, ranges, warm-air furnaces, space heaters, and water heaters (except electric). Includes oil and gas warm air furnaces complete with burners.	1119	*1119
1466	<b>Steam fittings, regardless of material</b> ..... Establishments primarily engaged in the manufacture of steam fittings and specialties, such as thermostats and other temperature-control devices, gages, regulators, traps, reducing valves, etc.	1119	*1119
1469	<b>Heating and cooking apparatus, except electric, not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of heating equipment not elsewhere classified, such as incubators, brooders, incinerators, unit heaters, gas burners, portable ovens, steam tables, and other cafeteria, hotel, and kitchen apparatus.	1119	*1119
	<b>METAL STAMPING, ENAMELING, GALVANIZING, JAPANING, AND LACQUERING</b>		
1471	<b>Vitreous-enameled products, including kitchen, household, and hospital utensils</b> ..... Establishments primarily engaged in the manufacture of vitreous kitchen, household, and hospital utensils; table tops; refrigerator, stove, and washing-machine parts, etc. The production of enameled ware plumbing fixtures is classified in Industry 1461.	1129	*1129
1472	<b>Automobile stampings</b> ..... Establishments primarily engaged in the manufacture of automobile stampings. Assembling of complete automobile parts is classified in Group 18.	1129	*1129

**Industry Group 14.—IRON AND STEEL AND THEIR PRODUCTS, EXCEPT MACHINERY—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>METAL STAMPING, ENAMELING, GALVANIZ- ING, JAPANING, AND LACQUERING—Con.</b>		
1473	Stamped and pressed metal products (except automobile stampings)..... Establishments primarily engaged in the manufacture of metal stampings not elsewhere classified, such as bottle caps and tops, stamped household and hospital utensils, perforated metal, stamped and pressed machine parts, etc. Custom stamping for the trade is classified in this industry.	1129	*1129
1474	Enameling, japaning, and lacquering..... Establishments primarily engaged in enameling, japaning, and lacquering of metal products owned by others.	1129	*1129
1475	Galvanizing and other coating—carried on in plants not operated in connection with rolling mills..... Establishments primarily engaged in the galvanizing or coating of steel and iron sheets or formed products with zinc; coating of steel and iron sheets or formed products with aluminum and lead; retinning of cans and utensils.	100	1108
	<b>FABRICATED STRUCTURAL STEEL AND ORNAMENTAL METAL WORK</b>		
1481	Fabricated structural steel and ornamental metal work, made in plants not operated in connection with rolling mills..... Establishments primarily engaged in the manufacture of structural and ornamental metal work, both ferrous and nonferrous, for buildings, bridges, and other purposes. Products include fabricated structural steel stairs and staircases, fire escapes, grilles, railings, iron fences and gates, fence posts, fabricated bars and rods for reinforcing concrete, ornamental iron, steel and nonferrous metal work for buildings. The production of fabricated steel plate is included in Industry 1463.	1122	1122
1482	Doors, window sash, frames, molding, and trim (made of metal)..... Establishments primarily engaged in the manufacture of ferrous and nonferrous solid metal, hollow metal, and metal covered doors; and door frames, window sash and frames, store fronts, partitions, molding and trim.	1122	1104
	<b>MISCELLANEOUS IRON AND STEEL PRODUCTS</b>		
1491	Bolts, nuts, washers, and rivets—made in plants not operated in connection with rolling mills..... Establishments primarily engaged in the manufacture of bolts, nuts, rivets, lock washers, plate washers, turnbuckles, togglebolts, etc. The production of machine screws is included in Industry 1495.	1101	1101
1492	Forgings, iron and steel—made in plants not operated in connection with rolling mills..... Establishments primarily engaged in the manufacture of light and heavy drop and steam hammer forgings, such as chains, anchors, axles, frogs, and forged parts for automotive equipment, machinery, railway equipment, etc.	100	1107
1493	Wrought pipes, welded and heavy riveted—made in plants not operated in connection with rolling mills..... Establishments primarily engaged in the manufacture of wrought welded pipe and tubes; lock joint and heavy riveted pipe.	1114	1128
1494	Springs, steel (except wire)—made in plants not operated in connection with rolling mills..... Establishments primarily engaged in the manufacture of leaf springs, hot-wound springs (for railroad equipment, vehicles, agricultural and mining machinery, etc.). The production of wire springs is included in Industry 1449.	1118	1118
1495	Screw-machine products and wood screws..... Establishments primarily engaged in the manufacture of machine screws, cap and set screws and other small articles made on screw machines; and wood screws.	1101	1117
1496	Steel barrels, kegs, and drums..... Manufacture of steel barrels and drums with welded side seams (heavy types); welded side seam and lock side seam (light types); and other metal casings with welded side seam and lock side seam; steel packages, kegs, and pails, etc.	1129	1120
1497	Firearms..... Manufacture of small firearms and parts, such as pistols, revolvers, rifles, and shotguns.	1103	1106
1498	Safes and vaults..... Manufacture of vault doors and linings, and safe-deposit boxes and chests, safes and vaults, except grave vaults (671 and 1371).	100	1115

Part of.

**Industry Group 14.—IRON AND STEEL AND THEIR PRODUCTS, EXCEPT MACHINERY—Continued**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>MISCELLANEOUS IRON AND STEEL PRODUCTS—Continued</b>		
1499	Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connection with hot-rolling mills..... Manufacture of flat bright cold-rolled strip steel, including razor-blade strip, cold-rolled sheets, and cold-finished steel bars.	1112	*1326

**Industry Group 15.—NONFERROUS METALS AND THEIR PRODUCTS**

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in primary and secondary smelting and refining of nonferrous metals; in alloying, rolling, and drawing nonferrous metals; and in manufacturing nonferrous metal products. This group includes establishments manufacturing sheet metal products, regardless of material, not classified in other groups; establishments electroplating, plating and polishing, and engraving on metal except for printing purposes; and establishments engaged in lapidary work. Some of the nonferrous metals are used to a large extent in manufacturing products assigned to other groups, such as wire and plumbers' brass goods in Group 14.		
	<b>PRIMARY SMELTING AND REFINING OF NON- FERROUS METALS</b>		
1510	Primary smelting and refining of nonferrous metals.....	1212	1215 1216 1218 *608
	<b>ALLOYING AND ROLLING AND DRAWING</b>		
1520	Alloying; and rolling and drawing of nonferrous metals, except aluminum..... Establishments primarily engaged in the alloying of nonferrous metals (other than aluminum) from new metals. This industry classification does not include establishments engaged principally in the recovery of nonferrous metals or nonferrous metal alloys from new or used scrap and the casting of such metals into ingots, pigs, or bars without alloying. The process of recovery of such metals is classified in Industry 1532. The industry includes also establishments primarily engaged in production of rolled, drawn, or extruded products of nonferrous metals, or nonferrous alloys (except aluminum or aluminum alloys), such as plates and sheets, rods, tubing, pipe, and wire and wire products when produced in departments of nonferrous metal rolling mills from materials rolled in the same plant. Wire drawn from purchased rods, and wire products made from purchased wire are classified in Industries 1441 and 1449, respectively.	1212	*1212
	<b>SECONDARY SMELTING AND REFINING OF NONFERROUS METALS AND ALLOYS</b>		
1531	Secondary smelting and refining, gold, silver, and platinum..... Establishments primarily engaged in smelting, refining, and alloying gold, silver, and platinum from sweepings, clippings, and scrap.	1212	1209
1532	Secondary smelting and refining of nonferrous metals, not elsewhere classified..... Establishments primarily engaged in the recovery of nonferrous metals and nonferrous metal alloys from new or used scrap metals without alloying. The process of alloying is classified as part of Industry 1520. The purchase and sale or the sorting of scrap metal without processing is not to be included.	1212	1217
	<b>CLOCKS AND WATCHES</b>		
1541	Clocks, watches, and materials and parts (except watchcases)..... Establishments primarily engaged in the manufacture of clocks (including electrical), watches, clockwork operated devices, and clock and watch materials and parts, except watchcases (1542), and crystals (glass crystals in 1330, and unbreakable crystals in 2086). The assembling of clocks and watches from purchased movements and purchased cases is included in this industry.	1202	1202
1542	Watchcases.....	1202	1222



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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>JEWELRY</b>		
1551	<b>Jewelry (precious metals)</b> ..... Establishments primarily engaged in the manufacture of jewelry for personal adornment (including related products, such as cigarette cases and lighters, vanity cases, compacts, etc.) made from precious or semi-precious metals with or without precious stones; gold trimmings for umbrellas, canes, etc., diamond settings and mountings. Costume jewelry and non-precious metal jewelry manufacturing is included in Industry 2071.	1210	1210
1552	<b>Jewelers' findings and materials</b> ..... Establishments primarily engaged in the manufacture of unassembled jewelry parts (except gems and stones, 1553), and stock-shop products, such as sheet, wire and tubing.	1210	1224
1553	<b>Lapidary work</b> ..... Establishments primarily engaged in the cutting and polishing of diamonds and other precious stones; drilling pearls; recutting and setting stones; preparing jewels for surveyors' and electrical instruments and for watches and chronometers, and real and imitation stones for emblems. Much of the work is done for the trade on materials owned by others.	1210	1623
	<b>SILVERWARE AND PLATED WARE</b>		
1561	<b>Silverware and plated ware</b> ..... Establishments primarily engaged in the manufacture of knives, forks, spoons and other flatware, hollow ware, toilet ware, ecclesiastical ware, etc., made of solid silver, metal plated with silver, gold, or other metal, of nickel silver, or of pewter.	1213	1213
	<b>ENGRAVING ON METAL, PLATING, AND POLISHING</b>		
1571	<b>Engraving on metal (except for printing purposes)</b> ..... Establishments primarily engaged in engraving, chasing, and etching on jewelry and silverware, notarial seals, and other nonferrous metal products for purposes other than printing.	100	503
1572	<b>Electroplating, plating, and polishing</b> ..... Establishments primarily engaged in all types of electroplating, plating, and metal polishing work for the trade.	100	1205
	<b>LIGHTING FIXTURES</b>		
1580	<b>Lighting fixtures</b> ..... Establishments primarily engaged in the manufacture of lighting fixtures and other lighting equipment for homes, offices, public buildings, and outdoor use; lamps and headlights for motor vehicles, locomotives, etc., searchlights, spotlights, and floodlights; lamps and lanterns; reflectors and shades. (Electric bulbs are classified in Industry 1650).	1207	1207
	<b>NONFERROUS METAL PRODUCTS NOT ELSEWHERE CLASSIFIED</b>		
1591	<b>Nonferrous-metal foundries (except aluminum)</b> ..... Nonferrous-metal foundries primarily engaged in manufacturing castings (not including die-casting, 1593, 1599) of all nonferrous metals except aluminum (1592 and 1593).	1212	*1212
1592	<b>Aluminum ware, kitchen, hospital, and household (except electrical appliances)</b> ..... Establishments primarily engaged in the manufacture of aluminum cooking ware, stamped, spun, or cast (except electric, 1620), and other ware, for use in kitchen, hospital, and household.	1212	*1201
1593	<b>Aluminum products (including rolling and drawing and extruding), not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of plates, sheets, rods, tubing, pipe, wire, castings, bars, airplane and engine parts, and aluminum products not elsewhere classified. The extraction of aluminum from the ore is classified in Industry 1519, and the recovery of aluminum from scrap is classified in Industry 1532.	1212	*1201
1594	<b>Collapsible tubes</b> .....	1208	1203
1595	<b>Gold and silver leaf and foil</b> ..... Manufacture of packs or rolls of gold or silver foil by goldbeating establishments.	1208	1208
1596	<b>Tin and other foils (except gold and silver foil)</b> ..... Establishments primarily engaged in the manufacture of tin and other foils except gold and silver foils (1595).	1208	1220
1597	<b>Sheet-metal work not specifically classified</b> ..... Establishments primarily engaged in the manufacture of cornices, ventilators, skylights, gutters, and other types of sheet-metal work for buildings (but not fabrication work done by construction contractors at the place of construction) and manufacture of sheet-metal stove pipes, air ducts, tanks, bins, furnace casings, etc.	1129	1204
1599	<b>Nonferrous-metal products not elsewhere classified</b> .....	1212	*1212

\*Part of.

## Industry Group 16.—ELECTRICAL MACHINERY

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in manufacturing any type of machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electric energy.		
	<b>ELECTRICAL EQUIPMENT FOR INDUSTRIAL USE</b>		
1611	<b>Wiring devices and supplies</b> ..... Establishments primarily engaged in the manufacture of wiring devices, wiring supplies, insulation and insulating materials, conduits and fittings, and lighting arresters. The production of decorative lighting outfits is included in Industry 1580 and the production of porcelain insulators is included in Industry 1364.	1303	*1303
1612	<b>Carbon products for the electrical industry, and manufactures of carbon or artificial graphite</b> ..... Establishments primarily engaged in the manufacture of carbon; carbon, graphite, and metal-graphite brushes; electrodes, and miscellaneous specialties.	1303	*1303
1613	<b>Electrical measuring instruments</b> ..... Establishments primarily engaged in the manufacture of measuring instruments, meter transformers, and indicating instruments.	1303	*1303
1619	<b>Generating, distribution, and industrial apparatus, and apparatus for incorporation in manufactured products, not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of electrical prime movers and other electric power equipment, including steam-turbine generator sets, for employment in the generation, transmission, or utilization of electric energy. Products of this industry include motors, generators, transformers, switchboards, panelboards, and other transmission accessories (except insulated wire, 1630, and conduit, 1611); welding apparatus, etc. The production of machines operated by detachable electric motors is included in Group 17.	1303	*1303
	<b>ELECTRICAL APPLIANCES</b>		
1620	<b>Electrical appliances</b> ..... Establishments primarily engaged in the manufacture of household electrical appliances used for heating, cooking, cooling, cleaning, etc. Products of this industry include electric fans, irons, mixers, percolators and hot plates, vacuum cleaners, etc., except electric refrigerators (1784). Electric water heaters belong in this industry.	1303	*1303
	<b>INSULATED WIRE AND CABLE</b>		
1630	<b>Insulated wire and cable</b> ..... Establishments primarily engaged in the manufacture of insulated or armored wire and cable for transmitting electrical energy. The manufacture of uninsulated wire is included in Industry 1441.	1303	*1303
	<b>AUTOMOTIVE ELECTRICAL EQUIPMENT</b>		
1640	<b>Automotive electrical equipment</b> ..... Establishments primarily engaged in the manufacture of automotive electrical equipment such as ignition apparatus, spark plugs, starters, and generators, etc.	1303	*1303
1650	<b>Electric lamps</b> ..... Establishments primarily engaged in the manufacture of incandescent light bulbs, mercury arc, and other electric lights. The production of electric lighting equipment and fixtures is included in Industry 1580.	1303	*1303
	<b>COMMUNICATION EQUIPMENT AND RELATED PRODUCTS</b>		
1661	<b>Radios, radio tubes, and phonographs</b> ..... Establishments primarily engaged in the manufacture of radio receiving sets, radio transmitters, television sets, radio receiving and transmitting tubes, phonographs and accessories.	1319	1319
1662	<b>Communication equipment</b> ..... Establishments primarily engaged in the manufacture of telephone and telegraph equipment; electric signaling apparatus (other than railway); signals and attachments (railway); see Industry 2085, and miscellaneous radio parts except loud speakers and microphones which are included in Industry 1661.	1303	*1303
	<b>ELECTRICAL PRODUCTS NOT ELSEWHERE CLASSIFIED</b>		
1691	<b>Batteries, storage and primary (dry and wet)</b> ..... Establishments primarily engaged in the manufacture of storage batteries, dry batteries, and wet primary batteries.	1303	*1303
1692	<b>X-ray and therapeutic apparatus and electronic tubes</b> ..... Establishments primarily engaged in the manufacture of electrotherapeutic and electromedical apparatus, X-ray apparatus (exclusive of tubes), nonradio electronic tubes and X-ray tubes. Dental apparatus is included in Industry 2023.	1303	*1303

## Industry Group 16.—ELECTRICAL MACHINERY—Continued

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>ELECTRICAL PRODUCTS NOT ELSEWHERE CLASSIFIED—Continued</b>		
1699	Electrical products not elsewhere classified. Establishments primarily engaged in the manufacture of miscellaneous electrical equipment not classified in any of the above industries.	1303	*1303

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in manufacturing machinery and equipment other than electrical (see Industry 1619), and prime movers. Machines that are powered by a removable electric motor and portable tools, both electric and pneumatic powered, generally are included in this group.		
	<b>ENGINES AND TURBINES</b>		
1711	Steam engines, turbines, and water wheels. Establishments primarily engaged in the manufacture of steam engines and steam turbines and water wheels and water turbines.	1304	*1304
1712	Internal-combustion engines. Establishments primarily engaged in the manufacture of Diesel and semi-Diesel engines and internal-combustion engines not elsewhere classified. The manufacture of aircraft engines is included in Industry 1921 and automobile engines in Industry 1810.	1304	*1304
	<b>AGRICULTURAL MACHINERY AND TRACTORS</b>		
1721	Tractors. Establishments primarily engaged in the manufacture of agricultural or industrial tractors.	1301	*1301
1729	Agricultural machinery (except tractors). Establishments primarily engaged in the manufacture of agricultural machinery and equipment except tractors (1721) for use in the preparation or maintenance of the soil, the planting and harvesting of the crop, and machines for preparing crops for market or for use, and other operations and processes pertaining to agriculture. The manufacture of agricultural hand tools and certain forged parts such as plowshares is included in Group 14.	1301	*1301
	<b>CONSTRUCTION, MINING, AND RELATED MACHINERY</b>		
1731	Construction and similar machinery (except mining and oil-field machinery and tools). Establishments primarily engaged in the manufacture of heavy machinery used by the construction industries for portable or fixed plant operation.	1324	1324 *1305
1732	Oil-field machinery and tools. Establishments primarily engaged in the manufacture of machinery and tools for use in oil and gas fields. Similar equipment for use in drilling water wells is also included.	1305	*1305
1733	Mining machinery and equipment. Establishments primarily engaged in the manufacture of machinery and equipment for use in mining, including coal-sawing machinery, coal breakers, cars and trucks, excluding dredges (1731).	1305	*1305
	<b>METALWORKING MACHINERY</b>		
1741	Machine tools. Establishments primarily engaged in the manufacture of power driven machinery employing a cutting tool for work on metal called "machine tools." Bending, forging, punching, and forming machinery, which shapes or forms metal without cutting, is included in Industry 1749, and machine tool accessories, dies, and machinists' precision tools in Industry 1742.	1307	*1307
1742	Machine-tool and other metalworking-machinery accessories, metal-cutting and shaping tools, and machinists' precision tools. Establishments primarily engaged in the manufacture of accessories for use in machine tools, including dies, machinists' precision tools, or specialized equipment other than forged or shaped hand tools that are classified in Group 14.	1307	1318
1749	Metalworking machinery and equipment, not elsewhere classified. Establishments primarily engaged in the manufacture of machinery for the shaping, pressing or forging of metal, where the shaping action of such machines is not dependent upon a cutting tool.	1307	*1307 *1305

\*Part of.

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>SPECIAL-INDUSTRY MACHINERY</b>		
1751	Food-products machinery. Establishments primarily engaged in the manufacture of machinery for use by the food-products and beverage industries in the preparation, canning, or packaging of foods. All refrigeration machinery is included in Industry 1784.	1305	*1305
1752	Textile machinery. Establishments primarily engaged in the manufacture of machinery for the textile industry. This group does not include domestic or industrial sewing machines, which are classified in Industry 1783.	1313	1313
1753	Woodworking machinery. Establishments primarily engaged in the manufacture of machinery for cutting, shaping, and finishing of wood products. Hand tools, such as planes, axes, drawknives, etc., are classified in Group 14.	1305	*1305
1754	Paper-mill, pulp-mill, and paper-products machinery. Establishments primarily engaged in the manufacture of machinery for the paper-pulp, paper, and paper products industries. Manufacture of printing-trades machinery is classified in Industry 1755.	1305	*1305
1755	Printing-trades machinery and equipment. Establishments primarily engaged in the manufacture of machinery and apparatus used by the printing and bookbinding trades. The manufacture of textile printing machinery is classified in Industry 1752.	1325	1325
1759	Special-industry machinery, not elsewhere classified. Establishments primarily engaged in the manufacture of special-industry machinery, not elsewhere classified. Cotton-ginning machinery and specialized rubber-working machinery, etc., are included in this industry.	1305	*1305
	<b>GENERAL INDUSTRIAL MACHINERY</b>		
1760	Measuring and dispensing pumps. Establishments primarily engaged in the manufacture of equipment commonly used in automobile service and filling stations for dispensing gasoline, oils, and grease, including grease guns.	1309	*1309
1761	Pumping equipment and air compressors. Establishments primarily engaged in the manufacture of pumps, compressors, and pumping equipment of general utility to industry.	1309	*1309
1762	Elevators, escalators, and conveyors. Establishments primarily engaged in the manufacture of elevators, escalators, and conveyor systems and equipment.	1305	*1305
1763	Cars and trucks, industrial. Establishments primarily engaged in the manufacture of industrial cars and trucks for use in conveying supplies, freight, and similar materials within the confines of a plant. This industry does not include vehicular and automotive cars and trucks classified in Industry 1810 nor tractors, Industry 1721, nor mining cars and trucks, Industry 1733.	1305	*1305
1764	Blowers; exhaust and ventilating fans. Establishments primarily engaged in the manufacture of blowing, exhaust, and ventilating equipment for general industrial use.	1305	*1305
1765	Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks). Establishments primarily engaged in the manufacture of mechanical measuring instruments, except electric meters (1613), and watches and clocks (1541).	1620	*1620
1766	Mechanical power-transmission equipment. Establishments primarily engaged in the manufacture of mechanical power-transmission equipment such as clutches, drives, shafts, bearings, and parts for the same.	1305	*1326
1767	Stokers, mechanical, domestic and industrial. Establishments primarily engaged in the manufacture of domestic and industrial stokers for anthracite and bituminous coal, hopper fed, and those with conveyor for direct feed from bin.	1305	*1305
1768	Machine-shop products, not elsewhere classified. This classification represents that group of machine shops engaged in the production of machine parts and equipment, other than complete machines, for the trade.	1305	*1326
1769	Industrial machinery, not elsewhere classified. Manufacture of machinery for general use and for which no special classification is provided.	1305	*1305
1770	Machine-shop repairs. Establishments equipped with power-driven machinery for the repairing and reconditioning of all types and kinds of industrial, commercial, and domestic machinery and equipment, not including motor vehicle repairing.	1305	*1326



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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>OFFICE AND STORE MACHINES</b>		
1771	Office and store machines not elsewhere classified.----- Establishments primarily engaged in the manufacture or assembly, for sale, of all kinds of business office machines such as typewriters, calculating, addressing, mailing, duplicating, tabulating, and card punching machines; check-writing, signing, canceling machines, perforators, and other protective devices, and all other business machines.	1302	*1302 1314
1772	Vending, amusement, and other coin-operated machines.----- Establishments primarily engaged in the manufacture of all coin-operated mechanisms and complete coin-operated vending and amusement machines. Complete coin-operated phonographs are classified in Industry 1661, and scales and balances in Industry 1776.	1305	*1305
1776	Scales and balances.-----	1302	1311
	<b>HOUSEHOLD AND SERVICE-INDUSTRY MACHINES</b>		
1781	Laundry equipment, domestic.----- Establishments primarily engaged in the manufacture of laundry equipment such as driers, ironers, washing machines, and wringers for household use.	1313	1315
1782	Commercial laundry, dry-cleaning, and pressing machinery.-----	1305	*1305
1783	Sewing machines, domestic and industrial.-----	1313	1312
1784	Refrigerators, domestic (mechanical and absorption), refrigeration machinery and equipment, and complete air-conditioning units.----- Establishments primarily engaged in the manufacture of complete domestic and commercial refrigerators; compressors, evaporators or condensers, for sale separately or in assembled units, known to the trade as complete systems, high sides, or low sides; domestic and commercial cabinets; display, storage, etc., cases.	1310	1310

## Industry Group 18.—AUTOMOBILES AND AUTOMOBILE EQUIPMENT

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group includes two industries: 1810, Motor vehicles, motor-vehicle bodies, parts and accessories, and 1820, Automobile trailers for attachment to passenger cars.		
1810	Motor vehicles, motor-vehicle bodies, parts and accessories.----- Establishments primarily engaged in the manufacture or assembly of complete motor vehicles, motor-vehicle chassis, bodies, and such parts and accessories as gears, wheels, radiators, bumpers, shock absorbers, frames, horns, windshield wipers, etc.; and trailers for motor-trucks and truck tractors. This industry does not include establishments manufacturing tires and tubes (1111), springs (1449, 1494), ignition apparatus, batteries, starting and lighting equipment (1640), headlights (1580), sheet-metal stampings (1472), hardware (1459), etc.	1408	1408 *1407
1820	Automobile trailers (for attachment to passenger cars).----- Establishments primarily engaged in the manufacture or assembly of trailers for passenger cars.	1408	*1407

## Industry Group 19.—TRANSPORTATION EQUIPMENT EXCEPT AUTOMOBILES

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in manufacturing equipment for transportation by air, land, and water. Establishments producing automobiles are included in Group 18, and those producing children's vehicles in Group 20.		
	<b>RAILROAD EQUIPMENT</b>		
1911	Locomotives (including frames) and parts: railroad, mining, and industrial.----- Establishments primarily engaged in building and rebuilding rail-traction locomotives: steam, compressed air, Diesel-electric, straight-electric, gasoline-electric, straight internal-combustion, etc.	1405	1406

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

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>RAILROAD EQUIPMENT—Continued</b>		
1912	Cars and car equipment—railroad, street, and rapid-transit.----- Establishments primarily engaged in building, rebuilding, and repairing railroad, street, and rapid-transit cars for operation on rails for freight and for passenger service. Some of these cars may include an engine as an integral part of the car. Establishments manufacturing industrial and mining rail cars are included in Industry 1733.	1405	1405
	<b>AIRCRAFT AND PARTS</b>		
1921	Aircraft and parts, including aircraft engines.----- Establishments primarily engaged in the manufacture of complete aircraft, both heavier-than-air and lighter-than-air, including gliders, balloons, and parachutes. This industry also includes the manufacture of parts peculiarly for aircraft, such as aircraft engines, propellers, propeller blades, and pontoons.	1401	1401 *1304
	<b>SHIP AND BOAT BUILDING AND REPAIRING</b>		
1931	Shipbuilding and ship repairing.----- Establishments primarily engaged in building and repairing ships of 5 gross tons and over of all types; steel and wood, self-propelled by sail or motive power or not self-propelled, such as barges, canal boats, lighters, etc.	1410	*1410
1932	Boat building and boat repairing.----- Establishments primarily engaged in building and repairing boats of less than 5 gross tons of all types, steel or wood, such as inboard and outboard motorboats, yachts, sailboats, rowboats, lifeboats (motor-propelled and hand-propelled), canoes, etc.	1410	*1410
	<b>MOTORCYCLES, BICYCLES, AND PARTS</b>		
1941	Motorcycles, bicycles, and parts.----- Establishments primarily engaged in the manufacture of complete motorcycles and side cars; bicycles; motorcycle and bicycle parts, such as saddles, seat posts, frames, handlebars, etc. The assembling of complete motorcycles or bicycles from purchased parts is included in this industry.	1409	1409
	<b>TRANSPORTATION EQUIPMENT NOT ELSEWHERE CLASSIFIED</b>		
1999	Transportation equipment not elsewhere classified.----- Establishments primarily engaged in the manufacture of transportation equipment not elsewhere classified, such as horse-drawn vehicles (carriages, wagons, sleighs, and sleds) and parts, wheelbarrows, etc. The manufacture of children's vehicles is included in Industry 2043.	1404	1404

## Industry Group 20.—MISCELLANEOUS INDUSTRIES

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>The Group as a Whole</b>		
	This group of industries includes establishments primarily engaged in manufacturing a wide variety of products not included in other major manufacturing groups. The products fall into the following subclassifications: Buttons. Costume jewelry and miscellaneous products. Miscellaneous industries not elsewhere classified. Musical instruments. Pens, pencils, stencils, and artists' materials. Professional and scientific instruments. Photographic apparatus and optical goods. Surgical and dental instruments, equipment, and supplies. Toys and sporting and athletic goods.		
	<b>PROFESSIONAL AND SCIENTIFIC INSTRUMENTS, PHOTOGRAPHIC APPARATUS, AND OPTICAL GOODS</b>		
2011	Professional and scientific instruments (except surgical and dental).----- Establishments primarily engaged in the manufacture of professional and scientific instruments, such as surveyors', nautical, and aeronautical; barometers; thermometers (except clinical, 2021); compasses; and instruments for laboratory work and scientific research, except microscopes and telescopes (2013). The production of surgical and dental instruments and equipment is classified in Industry 2021.	1620	*1620
2012	Photographic apparatus and materials and projection equipment (except lenses).----- Establishments primarily engaged in the manufacture of photographic and motion-picture cameras and projection apparatus, and associated materials and supplies such as films, sensitized paper and plates, reels, tanks, tripods, etc. The production of lenses is classified in Industry 2013.	1636	1636

\*Part of.

## Industry Group 20.—MISCELLANEOUS INDUSTRIES—Con.

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>PROFESSIONAL AND SCIENTIFIC INSTRUMENTS, PHOTOGRAPHIC APPARATUS, AND OPTICAL GOODS—Continued</b>		
2013	<b>Optical instruments and lenses</b> Establishments primarily engaged in the grinding of lenses and manufacturing of microscopes, telescopes, field glasses, and related optical instruments. Establishments manufacturing eyeglass frames or lenses or complete eyeglasses are classified in Industry 2014.	1631	*1631
2014	<b>Ophthalmic goods: lenses and fittings</b> Establishments primarily engaged in the grinding of ophthalmic lenses and manufacturing of ophthalmic goods. Retail establishments, fitting eyeglasses to individual order, are not considered a part of the manufacturing industries.	1631	*1631
	<b>SURGICAL, MEDICAL, AND DENTAL INSTRUMENTS, EQUIPMENT, AND SUPPLIES</b>		
2021	<b>Surgical and medical instruments</b> Establishments primarily engaged in the manufacture of surgical veterinarian, orthopedic and other medical instruments, and clinical thermometers. Household and industrial thermometers are classified in Industry 2011.	1620	*1620
2022	<b>Surgical supplies and equipment not elsewhere classified; orthopedic appliances</b> Establishments primarily engaged in the manufacture of surgical appliances and supplies, including surgical dressings and elastic goods, and artificial limbs. Medical and surgical instruments are classified in Industry 2021.	1645	1645
2023	<b>Dental equipment and supplies</b> Establishments primarily engaged in the manufacture of mechanical devices and other equipment for use by dentists.	1611	1611
	<b>MUSICAL INSTRUMENTS AND PARTS</b>		
2031	<b>Pianos</b> Establishments primarily engaged in the manufacture of complete pianos, with or without player attachments.	1628	1630
2032	<b>Organs</b> Establishments primarily engaged in the manufacture of complete pipe organs and reed organs.	1628	1629
2033	<b>Piano and organ parts and materials</b> Establishments primarily engaged in the manufacture of piano and organ parts and materials for sale as such. The production of complete pianos and organs is classified in Industries 2031 and 2032.	1628	1627
2039	<b>Musical instruments, parts, and materials not elsewhere classified</b> Establishments primarily engaged in manufacture of all kinds of complete musical instruments, except pianos (2031) and organs (2032); and in manufacturing parts and materials for all kinds of musical instruments except piano and organ parts (2033).	1628	1628
	<b>TOYS AND SPORTING AND ATHLETIC GOODS</b>		
2041	<b>Games and toys (except dolls and children's vehicles)</b> Establishments primarily engaged in the manufacture of games for adults, such as dice games, etc.; and all games and toys for children, except dolls (2042) and children's vehicles (2043). Playing cards are classified in Industry 799, and adult gaming equipment for outdoor sport and athletics in Industry 2049.	1648	*1648
2042	<b>Dolls (except rubber)</b> Establishments primarily engaged in the manufacture of all kinds of dolls and doll parts (except rubber, 1199), and doll clothing.	1648	*1648
2043	<b>Children's vehicles</b> Establishments primarily engaged in the manufacture of baby carriages, children's sleds, wagons, tricycles, and other children's vehicles.	1648	1655
2049	<b>Sporting and athletic goods not elsewhere classified</b> Establishments primarily engaged in the manufacture of sporting and athletic goods, not elsewhere classified. This industry covers billiard and pool tables, bowling alleys, etc. Athletic apparel is classified in Group 4, ammunition in Industry 988, and firearms in Industry 1497.	1642	{ 1642 902
	<b>PENS, PENCILS, STENCILS, AND ARTISTS' MATERIALS</b>		
2051	<b>Pens, mechanical pencils, and pen points</b> Establishments primarily engaged in the manufacture of complete fountain pens, stylographic pens, mechanical pencils, gold, steel, and other metal pen points, rubber holders, and other parts.	1634	{ 1634 *1633

\*Part of.

## Industry Group 20.—MISCELLANEOUS INDUSTRIES—Con.

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>PENS, PENCILS, STENCILS, AND ARTISTS' MATERIALS—Continued</b>		
2052	<b>Pencils (except mechanical) and crayons</b> Establishments primarily engaged in the manufacture of wood-cased lead pencils, holders and leads manufactured for sale as such, and crayons. The production of mechanical pencils is classified in Industry 2051.	1634	*1633
2053	<b>Hand stamps, stencils, and brands</b> Establishments primarily engaged in the manufacture of rubber and metal stamps, dies, seals, and presses; steel letters and figures; stencils for use in painting, marking, or in addressing machines; irons for branding articles of merchandise, etc.	100	1618
2054	<b>Artists' materials</b> Establishments primarily engaged in the manufacture of materials for art work.	100	1603
2055	<b>Carbon paper and inked ribbons</b> Establishments primarily engaged in manufacture of carbon paper for typewriters, sales books, etc., stencil paper, and inked ribbons for typewriters, adding machines, cash registers, etc.	1607	1607
	<b>BUTTONS</b>		
2061	<b>Buttons</b> Establishments primarily engaged in the manufacture of buttons, parts of buttons, and button blanks and molds, of all materials except precious metal and precious or semiprecious stones (1551).	1606	1606
	<b>COSTUME JEWELRY AND MISCELLANEOUS PRODUCTS</b>		
2071	<b>Costume jewelry and costume novelties (jewelry other than fine jewelry)</b> Establishments primarily engaged in the manufacture of costume jewelry, costume novelties and ornaments made of all materials except precious metal and precious stones (1551).	100	{ *1612 *1210
2072	<b>Jewelry cases and instrument cases</b> Establishments primarily engaged in the manufacture of cases, fancy boxes and trays for jewelry, instruments, cutlery, eyeglasses, combs, cigarettes, pipes, toilet sets, etc.	100	1622
2073	<b>Lamp shades</b> Establishments primarily engaged in the manufacture of lamp shades of all materials except glass (Industry 1330) and metal (Groups 14 and 15).	100	*1612
2074	<b>Feathers, plumes, and artificial flowers</b> Establishments primarily engaged in the manufacture of artificial flowers, fruits, and foliage made of all materials except glass (1330); and establishments primarily engaged in producing fancy feathers, plumes, and articles made principally of feathers and plumes. This industry includes establishments curling, dyeing, and renovating ostrich feathers for the trade.	100	{ 1601 1613
	<b>MISCELLANEOUS INDUSTRIES, NOT ELSEWHERE CLASSIFIED</b>		
2081	<b>Brooms</b> Establishments primarily engaged in the manufacture of household brooms, whiskbrooms, and industrial brooms, of broom corn, bassine, etc.; and street-sweeping brooms made of heavier materials.	1604	1604
2082	<b>Brushes</b> Establishments primarily engaged in the manufacture of paint brushes and all other kinds of brushes from any material except rubber.	1604	1605
2083	<b>Beauty-shop and barber-shop equipment</b> Establishments primarily engaged in the manufacture of special furniture, devices, and equipment for use in beauty shops and barber shops.	1653	1653
2084	<b>Furs, dressed and dyed</b> Establishments primarily engaged in scraping, currying, tanning, bleaching, and dyeing of pelts, and dressing of hair and bristles.	100	1616
2085	<b>Signs, advertising displays, and advertising novelties</b> Establishments primarily engaged in the manufacture of neon signs, electrical, mechanical, cut-out, or plate signs, advertising displays, and advertising novelties.	1640	1640
2086	<b>Fabricated plastic products, not elsewhere classified</b> Establishments primarily engaged in the manufacture of finished products (not elsewhere classified) made of synthetic resins, cellulose compounds, casein or galalith. Articles made of pressed wood pulp are classified in Industry 794. The manufacture of cellulose plastics and phenolic resins for sale as such is classified in Industry 982.	315	*315

## Industry Group 20.—MISCELLANEOUS INDUSTRIES—Con.

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>MISCELLANEOUS INDUSTRIES NOT ELSEWHERE CLASSIFIED—Continued</b>		
2087	<b>Umbrellas, parasols, and canes</b> ..... Establishments primarily engaged in the manufacture of complete umbrellas, parasols, and canes, and frames, handles, parts, and trimmings for the same, except those of precious metal (1551).	100	1649
2088	<b>Tobacco pipes and cigarette holders</b> ..... Establishments primarily engaged in the manufacture of tobacco pipes of all materials, and cigarette and cigar holders except hard rubber (1199).	100	1637
2091	<b>Soda fountains, beer dispensing equipment, and related products</b> ..... Establishments primarily engaged in the manufacture of complete soda fountains, beer dispensing equipment, tanks, siphons, and other parts and accessories.	100	1641
2092	<b>Models and patterns (except paper patterns)</b> ..... Establishments primarily engaged in the manufacture of models, patterns, and forms of all materials, except paper patterns (799) and shoe-display forms (695).	100	1625
2093	<b>Hair work</b> ..... Establishments primarily engaged in the manufacture of wigs, switches, braids, puffs, and related articles made largely from human hair but in some cases from mohair or other animal hair.	100	1617
2094	<b>Wool pulling</b> ..... Establishments primarily engaged in detaching wool from sheepskins.	100	1654

\*Part of.

## Industry Group 20.—MISCELLANEOUS INDUSTRIES—Con.

1939 Indus- try No.	CLASSIFICATIONS, 1939	1939 Form No.	1937 Indus- try No.
	<b>MISCELLANEOUS INDUSTRIES NOT ELSEWHERE CLASSIFIED—Continued</b>		
2095	<b>Needles, pins, hooks and eyes, and slide and snap fasteners</b> ..... Establishments primarily engaged in the manufacture of machine and hand needles, knitting and sewing; toilet and safety pins, wire hairpins, etc.; glove fasteners, snap fasteners, slide fasteners, hooks and eyes, etc.	1211	1211
2096	<b>Fire extinguishers, chemical</b> ..... Establishments primarily engaged in the manufacture of portable fire extinguishers, hose reels, and other apparatus, except motor propelled (1810), and appliances for fire extinguishing by means of chemicals; chemical preparations for use with such apparatus and appliances; hand grenades for fire extinguishing, etc.	100	1206
2099	<b>Miscellaneous fabricated products not elsewhere classified</b> ..... Establishments primarily engaged in the manufacture of theatrical scenery, advertising curtains; combs and hairpins (other than metal or rubber), hair ornaments, beaded articles, holiday goods, celluloid novelties, and many other small articles not covered by distinct classifications.	100	{ 1646 *1612
	<b>SPECIAL INQUIRY</b>		
9011	<b>Motion pictures, not including projection in theaters</b> ..... Studios and laboratories primarily engaged in all processes and activities connected with the production of motion-picture films, such as the preparation and photography of scenes, the development of exposed films, the printing of projection films, and other studio and laboratory work necessary in connection with the production of projection films for use. <i>It does not, however, include the distribution of these films and their projection in theaters.</i>	1679	1679

# APPENDIX E

INDUSTRY CHANGES: 1937-1939

## Industry Group 1.—FOOD AND KINDRED PRODUCTS

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
111—Meat packing, wholesale.	123—Meat packing, wholesale.
112—Custom slaughtering, wholesale.	128—Sausage, meat puddings, headcheese, etc., not made in meat-packing establishments.
113—Sausages, prepared meats, and other meat products—not made in meat-packing establishments.	117—Food preparations not elsewhere classified (part of; <i>see also</i> Ind. 125 and 199).
114—Sausage casings—not made in meat-packing establishments.	137—Sausage casings—not made in meat-packing establishments.
115—Poultry dressing and packing, wholesale.	126—Poultry dressing and packing, wholesale.
121—Creamery butter.	103—Butter.
122—Cheese.	107—Cheese
123—Condensed and evaporated milk.	111—Condensed and evaporated milk.
124—Ice cream and ices.	118—Ice cream.
125—Special dairy products.	117—Food preparations not elsewhere classified (part of; <i>see also</i> Ind. 113 and 199).
131—Canned fish, crustacea, and mollusks.	104—Canned and cured fish, crabs, shrimps, oysters, and clams.
132—Cured fish.	
133—Canned and dried fruits and vegetables (including canned soups).	105—Canned and dried fruits and vegetables; canned and bottled juices; preserves, jellies, fruit butters, pickles, and sauces.
134—Preserves, jams, jellies, and fruit butters.	
135—Pickled fruits and vegetables and vegetable sauces and seasonings.	116—Flour and other grain-mill products.
136—Salad dressings.	114—Feeds, prepared, for animals and fowls.
137—Quick-frozen foods.	106—Cereal preparations (part of; <i>see also</i> Ind. 145).
141—Flour and other grain-mill products.	127—Rice cleaning and polishing.
142—Prepared feeds (including mineral) for animals and fowls.	106—Cereal preparations (part of; <i>see also</i> Ind. 143).
143—Cereal preparations.	102—Bread and other bakery products.
144—Rice cleaning and polishing.	130—Sugar manufacture, cane.
145—Blended and prepared flour made from purchased flour.	131—Sugar refining, cane.
151—Bread and other bakery products (except biscuit, crackers, and pretzels).	129—Sugar, beet.
152—Biscuit, crackers, and pretzels.	112—Confectionery.
161—Cane sugar—except refineries.	109—Chocolate and cocoa products, not including confectionery.
162—Cane-sugar refining.	108—Chewing gum.
163—Beet sugar.	101—Beverages, nonalcoholic.
171—Candy and other confectionery products.	134—Liquors, malt.
172—Chocolate and cocoa products.	122—Malt.
173—Chewing gum.	135—Liquors, vinous.
181—Nonalcoholic beverages.	133—Liquors, distilled.
182—Malt liquors.	136—Liquors, rectified or blended.
183—Malt.	003—Baking powder, yeast, and other leavening compounds.
184—Wines.	120—Shortenings (other than lard), vegetable cooking oils, and salad oils.
185—Liquors, distilled.	124—Oleomargarine (margarine) not made in meat-packing establishments.
186—Liquors, rectified or blended.	113—Corn sirup, corn sugar, corn oil, and starch.
191—Baking powder, yeast, and other leavening compounds.	115—Flavoring extracts, flavoring sirups, and related products.
192—Cooking and other edible fats and oils, not elsewhere classified.	132—Vinegar and cider.
193—Oleomargarine—not made in meat-packing establishments.	110—Ice, manufactured.
194—Corn sirup, corn sugar, corn oil, and starch.	121—Macaroni, spaghetti, vermicelli, and noodles.
195—Flavoring extracts and flavoring sirups, not elsewhere classified.	117—Food preparations not elsewhere classified (part of; <i>see also</i> Ind. 113 and 125).
196—Vinegar and cider.	
197—Ice, manufactured.	
198—Macaroni, spaghetti, vermicelli, and noodles.	
199—Food preparations, not elsewhere classified.	

## Industry Group 2.—TOBACCO MANUFACTURES

1939	1937
211—Cigarettes.	1652—Cigarettes.
221—Cigars.	1608—Cigars.
231—Tobacco (chewing and smoking) and snuff.	1647—Tobacco (chewing and smoking) and snuff.

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
311—Cotton broad woven goods.	2031—Cotton woven goods (over 12 inches in width) (part of; <i>see also</i> Ind. 373).
312—Cotton narrow fabrics.	2034—Fish nets and seines.
313—Cotton yarn.	2042—Dyeing and finishing, cotton-fabric (part of; <i>see also</i> Ind. 361 and 362).
314—Cotton thread.	2032—Cotton narrow fabrics.
321—Silk broad woven goods—regular factories or jobbers engaging contractors.	2033—Cotton yarn and thread.
322—Silk broad woven goods—contract factories.	2041—Dyeing and finishing yarn (cotton, rayon, and silk) for sale on commission (part of; <i>see also</i> Ind. 361).
323—Silk narrow fabrics.	2102—Silk broad woven goods (18 inches wide and over).
324—Silk yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.	2103—Silk narrow fabrics.
325—Silk throwing and spinning—contract factories.	2104—Silk yarn and thread—made for sale.
331—Rayon broad woven goods—regular factories or jobbers engaging contractors.	2101—Silk throwing and spinning—commission only.
332—Rayon broad woven goods—contract factories.	2092—Rayon broad woven goods (18 inches wide and over).
333—Rayon narrow fabrics.	2093—Rayon narrow fabrics.
334—Rayon yarn and thread, spun or thrown—regular factories or jobbers engaging contractors.	2094—Rayon yarn and thread—processed for sale.
335—Rayon throwing and spinning—contract factories.	2091—Rayon throwing and spinning—commission only.
341—Woolen and worsted manufactures—regular factories or jobbers engaging contractors.	2121—Wool scouring (part of; <i>see also</i> Ind. 342).
342—Woolen and worsted manufactures—contract factories.	2122—Woolen yarn (part of; <i>see also</i> Ind. 342).
343—Dyeing and finishing woolen and worsted.	2123—Woolen woven goods, including woven felts (part of; <i>see also</i> Ind. 342 and 343).
351—Hosiery—full-fashioned.	2124—Wool combing—commission, and tops for sale (part of; <i>see also</i> Ind. 342).
352—Hosiery—seamless.	2125—Worsted yarn (part of; <i>see also</i> Ind. 342).
353—Knitted cloth.	2126—Worsted woven goods (part of; <i>see also</i> Ind. 342 and 343).
354—Knitted outerwear (except knit gloves)—regular factories or jobbers engaging contractors.	2128—Woolen and worsted dyeing and finishing (part of; <i>see also</i> Ind. 343).
355—Knitted outerwear (except knit gloves)—contract factories.	2121—Wool scouring (part of; <i>see also</i> Ind. 341).
356—Knitted underwear.	2122—Woolen yarn (part of; <i>see also</i> Ind. 341).
	2123—Woolen woven goods, including woven felts (part of; <i>see also</i> Ind. 341 and 343).
	2124—Wool combing—commission, and tops for sale (part of; <i>see also</i> Ind. 341).
	2125—Worsted yarn (part of; <i>see also</i> Ind. 341).
	2126—Worsted woven goods (part of; <i>see also</i> Ind. 341 and 343).
	2128—Woolen woven goods (part of; <i>see also</i> Ind. 341 and 342).
	2128—Woolen and worsted dyeing and finishing (part of; <i>see also</i> Ind. 341).
	2071—Hosiery.
	2072—Knitted cloth.
	2073—Knitted outerwear—regular factories.
	2273—Knitted outerwear—contract factories.
	2074—Knitted underwear.
	2168—Underwear and nightwear of knitted fabric, women's, children's, and infants' (part of; <i>see also</i> Ind. 441).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
357—Knitted gloves.	2075—Gloves and mittens, knitted.
361—Dyeing and finishing cotton, rayon, silk, and linen textiles.	2171—Gloves and mittens, cloth or cloth and leather combined, made from purchased materials (part of; <i>see also</i> Ind. 480 and 481).
362—Cloth sponging and miscellaneous special finishing.	2041—Dyeing and finishing yarn (cotton, rayon, and silk)—for sale or on commission (part of; <i>see also</i> Ind. 313 and 314).
371—Carpets and rugs, wool.	2042—Dyeing and finishing, cotton-fabric (part of; <i>see also</i> Ind. 311 and 362).
372—Carpet yarn, woolen and worsted.	2043—Dyeing and finishing, rayon- and silk-fabric (part of; <i>see also</i> Ind. 362).
373—Carpets, rugs, and mats made from such materials as paper fiber, grass, jute, flax, sisal, cotton, cocoa fiber, and rags.	2042—Dyeing and finishing, cotton-fabric (part of; <i>see also</i> Ind. 311 and 361).
374—Linoleum, asphalted-felt-base, and other hard-surface floor coverings, not elsewhere classified.	2043—Dyeing and finishing, rayon- and silk-fabric (part of; <i>see also</i> Ind. 361).
381—Hat bodies and hats, fur-felt.	2152—Clothing, men's, youths', and boys', not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 412 and 436).
382—Hat bodies and hats, wool-felt.	2013—Carpets and rugs, wool (other than rag).
383—Hats, straw.	2014—Carpet yarn, woolen and worsted.
384—Hatters' fur.	2011—Carpets and rugs, paper-fiber and grass.
385—Finishing of men's and boys' hats of fur-felt, wool-felt, and straw.	2012—Carpets and rugs, rag.
390—Felt goods, wool, hair, and jute (except woven felts and hat bodies and hats).	2022—Jute goods (part of; <i>see also</i> Ind. 398).
391—Lace goods.	2023—Linen goods (part of; <i>see also</i> Ind. 397).
392—Batting, padding, and wadding; upholstery filling.	2031—Cotton woven goods (over 12 inches in width) (part of; <i>see also</i> Ind. 311).
393—Processed waste and recovered wool fibers—regular factories or jobbers engaging contractors.	2182—Housefurnishings not elsewhere classified, including all sheets and pillowcases.
394—Processed waste and recovered wool fibers—contract factories.	2221—Asphalted-felt-base floor covering.
395—Artificial leather and oilcloth.	2222—Linoleum.
397—Linen goods.	2061—Hats, fur-felt (part of; <i>see also</i> Ind. 385).
398—Jute goods (except felt).	2062—Hat bodies, carded wool-felt.
399—Cordage and twine.	2063—Hats, straw, men's (part of; <i>see also</i> Ind. 385).
	2064—Hat and cap materials, men's (part of; <i>see also</i> Ind. 426).
	2061—Hats, fur-felt (part of; <i>see also</i> Ind. 381).
	2063—Hats, straw, men's (part of; <i>see also</i> Ind. 383).
	2051—Felt goods, except woven felts.
	2081—Lace goods.
	2111—Batting, padding, and wadding; upholstery filling.
	2112—Processed waste and recovered wool fiber—for sale.
	2201—Artificial leather.
	2202—Oilcloth.
	2023—Linen goods (part of; <i>see also</i> Ind. 311 and 373).
	2022—Jute goods (part of; <i>see also</i> Ind. 373).
	2021—Cordage and twine.

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
411—Men's and boys' suits, coats, and overcoats (except work clothing)—made in inside factories or by jobbers engaging contractors.	2151—Clothing, men's, youths', and boys', not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 486).
412—Men's and boys' suits, coats, and overcoats (except work clothing)—made in contract factories.	2152—Clothing, men's, youths', and boys', not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 362 and 486).
413—Men's and boys' shirts (except work shirts), collars, and nightwear—made in inside factories or by jobbers engaging contractors.	2132—Shirts (except work shirts), collars, and nightwear—regular factories.
414—Men's and boys' shirts (except work shirts), collars, and nightwear—made in contract factories.	2242—Shirts (except work shirts), collars, and nightwear—contract factories.
415—Men's and boys' underwear—made in inside factories or by jobbers engaging contractors.	2141—Underwear, men's—regular factories.
416—Men's and boys' underwear—made in contract factories.	2241—Underwear, men's—contract factories.
423—Men's neckwear—made in inside factories or by jobbers engaging contractors.	2143—Furnishing goods, men's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 446 and 485).
424—Men's neckwear—made in contract factories.	2243—Furnishing goods, men's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 485).
425—Men's and boys' hats and caps (except felt and straw).	2142—Hats and caps, except felt and straw, men's.
426—Hat and cap materials; trimmings, etc.	2064—Hat and cap materials, men's (part of; <i>see also</i> Ind. 384).
427—Trousers (semidress), wash suits, and washable service apparel.	2135—Trousers, semidress, wash suits, and washable service apparel.
428—Work shirts.	2133—Clothing, work (including work shirts), and sport garments, except leather (part of; <i>see also</i> Ind. 429).
429—Work clothing (except work shirts), sport garments (except leather), and other men's and boys' apparel not elsewhere classified.	2133—Clothing, work (including work shirts), and sport garments, except leather (part of; <i>see also</i> Ind. 428).
430—Women's and misses' blouses and waists—made in inside factories or by jobbers engaging contractors.	2193—Flags, banners, regalia, vestments, robes, and related products (part of; <i>see also</i> Ind. 439).
431—Women's and misses' blouses and waists—made in contract factories.	2161—Blouses, women's, misses', and children's—regular factories.
432—Women's and misses' dresses (except house dresses)—made in inside factories or by jobbers engaging contractors.	2231—Blouses, women's, misses', and children's—contract factories.
433—Women's and misses' dresses (except house dresses)—made in contract factories.	2165—Dresses, except house dresses—regular factories.
434—House dresses, uniforms, and aprons—made in inside factories or by jobbers engaging contractors.	2234—Dresses, except house dresses—contract factories.
435—House dresses, uniforms, and aprons—made in contract factories.	2166—Dresses: house dresses, uniforms, and aprons—regular factories.
436—Coats, suits, and skirts (except fur coats)—made in inside factories or by jobbers engaging contractors.	2238—Dresses: house dresses, uniforms, and aprons—contract factories.
437—Coats, suits, and skirts (except fur coats)—made in contract factories.	2163—Coats, suits, and separate skirts, women's, misses', and juniors'—regular factories.
438—Women's and misses' clothing, not elsewhere classified—made in inside factories or by jobbers engaging contractors.	2233—Coats, suits, and separate skirts, women's, misses', and juniors'—contract factories.
439—Women's and misses' clothing, not elsewhere classified—made in contract factories.	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 443, 449, 485, and 486).
441—Women's, children's, and infants' underwear and nightwear of knitted fabrics.	2237—Clothing, women's, misses', and children's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 443, 449, 485, and 486).
442—Women's, children's, and infants' underwear and nightwear of cotton and flannelette woven fabrics.	2168—Underwear and nightwear of knitted fabric, women's, children's, and infants' (part of; <i>see also</i> Ind. 356).
443—Women's, children's, and infants' underwear and nightwear of silk and rayon woven fabrics.	2160—Underwear and nightwear of cotton and flannelette woven fabrics, women's, children's, and infants'.
445—Corsets and allied garments.	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 438, 449, 485, and 486).
446—Belts (apparel), regardless of material.	2237—Clothing, women's, misses', and children's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 439, 449, 485, and 486).
449—Women's neckwear, scarfs, etc.	2164—Corsets and allied garments.
451—Millinery.	906—Leather goods not elsewhere classified (part of; <i>see also</i> Ind. 1299).
461—Children's dresses—made in inside factories or by jobbers engaging contractors.	2143—Furnishing goods, men's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 423 and 485).
	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 438, 443, 485 and 486).
	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 438, 443, 446, 485, and 486).
	2237—Clothing, women's, misses', and children's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 439, 443, 485, and 486).
	2167—Millinery—regular factories.
	2267—Millinery—contract factories.
	2162—Outerwear, children's and infants'—regular factories (part of; <i>see also</i> Ind. 463 and 465).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
462—Children's dresses—made in contract factories.	2236—Outerwear, children's and infants'—contract factories (part of; <i>see also</i> Ind. 464 and 466).
463—Children's coats—made in inside factories or by jobbers engaging contractors.	2162—Outerwear, children's and infants'—regular factories (part of; <i>see also</i> Ind. 461 and 465).
464—Children's coats—made in contract factories.	2236—Outerwear, children's and infants'—contract factories (part of; <i>see also</i> Ind. 462 and 466).
465—Children's and infants' wear not elsewhere classified—made in inside factories or by jobbers engaging contractors.	2162—Outerwear, children's and infants'—regular factories (part of; <i>see also</i> Ind. 461 and 463).
466—Children's and infants' wear not elsewhere classified—made in contract factories.	2236—Outerwear, children's and infants'—contract factories (part of; <i>see also</i> Ind. 462 and 464).
470—Fur coats and other fur garments, accessories, and trimmings.	1615—Fur goods—regular factories.
480—Work gloves and mittens: cloth, cloth and leather combined.	1665—Fur goods—contract factories.
481—Dress and semidress gloves and mittens: cloth, cloth and leather combined.	2171—Gloves and mittens, cloth or cloth and leather combined, made from purchased materials (part of; <i>see also</i> Ind. 357 and 481).
482—Handkerchiefs—made in inside factories or by jobbers engaging contractors.	2171—Gloves and mittens, cloth or cloth and leather combined, made from purchased materials (part of; <i>see also</i> Ind. 357 and 480).
483—Handkerchiefs—made in contract factories.	2172—Handkerchiefs—regular factories.
484—Suspenders, garters, and other goods made from purchased elastic material.	2272—Handkerchiefs—contract factories.
	2173—Suspenders, garters, and other elastic woven products (except orthopedic and athletic), made from purchased webbing.
485—Robes, lounging garments, and dressing gowns.	2143—Furnishing goods, men's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 423 and 446).
	2243—Furnishing goods, men's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 424).
486—Raincoats and other waterproof garments (except oiled cotton).	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 438, 443, 449, and 486).
	2237—Clothing, women's, misses', and children's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 439, 443, 449, and 486).
487—Clothing, leather and sheep-lined.	2151—Clothing, men's, youths', and boys', not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 411).
488—Embroideries: Schiffli-machine products.	2152—Clothing, men's, youths', and boys', not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 362, and 412).
490—Embroideries, other than Schiffli-machine products—made in regular factories or by jobbers engaging contractors.	2169—Clothing, women's, misses', and children's, not elsewhere classified—regular factories (part of; <i>see also</i> Ind. 438, 443, 449, and 486).
491—Embroideries, other than Schiffli-machine products—contract factories.	2237—Clothing, women's, misses', and children's, not elsewhere classified—contract factories (part of; <i>see also</i> Ind. 439, 443, 449, and 485).
492—Trimnings (not made in textile mills), stamped art goods, and art needlework—made in regular factories or by jobbers engaging contractors.	2134—Clothing, leather and sheep-lined.
493—Trimnings (not made in textile mills), stamped art goods, and art needlework—contract factories.	2211—Embroideries—Schiffli-machine products—regular factories.
494—Curtains, draperies, and bedspreads—made in regular factories or by jobbers engaging contractors.	2244—Embroideries—Schiffli-machine products—contract factories.
495—Curtains, draperies, and bedspreads—contract factories.	2212—Embroideries—other than Schiffli-machine products—regular factories.
496—Housefurnishings (except curtains, draperies, and bedspreads).	2245—Embroideries—other than Schiffli-machine products—contract factories.
497—Textile bags—not made in textile mills.	2213—Trimnings (not made in textile mills); stamped art goods for embroidering—regular factories.
498—Canvas products (except bags).	2246—Trimnings (not made in textile mills); stamped art goods for embroidering—contract factories.
499—Miscellaneous fabricated textile products not elsewhere classified.	2181—Curtains, draperies, and bedspreads—regular factories.
	2281—Curtains, draperies, and bedspreads—contract factories.
	2182—Housefurnishings not elsewhere classified (part of; <i>see also</i> Ind. 373).
	2192—Bags, other than paper.
	2191—Awnings, tents, sails, and canvas covers.
	2193—Flags, banners, regalia, vestments, robes, and related products (part of; <i>see also</i> Ind. 429).
	2194—Fabricated textile products not elsewhere classified.

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
511—Logging camps and logging contractors (not operating sawmills).	311—Lumber and timber products not elsewhere classified (part of; <i>see also</i> Ind. 532).
520—Sawmills, veneer mills, and cooperage-stock mills, including those combined with logging camps and with planing mills.	314—Planing-mill products and other wooden products not elsewhere classified, made in planing mills not connected with sawmills (part of; <i>see also</i> Ind. 532 and 663).
531—Planing mills not operated in conjunction with sawmills.	311—Lumber and timber products not elsewhere classified (part of; <i>see also</i> Ind. 511 and 520).
532—Plywood mills.	314—Planing-mill products and other wooden products not elsewhere classified, made in planing mills not connected with sawmills (part of; <i>see also</i> Ind. 531 and 663).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
611—Mattresses and bedsprings.	1624—Mattresses and bedsprings not elsewhere classified.
612—Upholstered household furniture.	309—Furniture, including store and office fixtures.
619—Household furniture except upholstered.	301—Baskets and rattan and willowware, not including furniture.
620—Office furniture.	303—Boxes, cigar, wooden and part wooden.
631—Public-building furniture.	304—Boxes, wooden, except cigar boxes.
632—Laboratory, hospital, and other professional furniture.	305—Cooperage.
641—Partitions, shelving, cabinet work, and office and store fixtures.	318—Window and door screens and weather strip.
651—Baskets for fruits and vegetables.	1651—Window shades (textile and paper) and fixtures.
652—Rattan and willowware (except furniture) and baskets other than vegetable and fruit baskets.	314—Planing-mill products, and other wooden products not elsewhere classified, made in planing mills not connected with sawmills (part of; <i>see also</i> Ind. 531 and 532).
653—Cigar boxes: wooden, part wooden.	305—Caskets, coffins, burial cases, and other morticians' goods.
654—Wooden boxes except cigar boxes.	308—Excelsior.
655—Cooperage.	307—Cork products.
661—Window and door screens and weather strip.	312—Matches.
662—Window shades.	319—Wood preserving.
663—Venetian blinds.	310—Lasts and related products.
671—Caskets, coffins, burial cases, and other morticians' goods.	313—Mirror and picture frames.
691—Excelsior.	320—Wood turned and shaped and other wooden goods, not elsewhere classified.
692—Cork products.	
693—Matches.	
694—Wood preserving.	
695—Lasts and related products.	
696—Mirror frames and picture frames.	
699—Wood products not elsewhere classified.	

## Industry Group 7.—PAPER AND ALLIED PRODUCTS

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
711—Pulp mills.	410—Pulp (wood and other fiber).
720—Paper and paperboard mills.	407—Paper.
740—Coated and glazed paper.	408—Paper goods not elsewhere classified (part of; <i>see also</i> Ind. 774, 791, and 799).
751—Envelopes.	408—Envelopes.
780—Paper bags, except those made in paper mills.	401—Bags, paper, exclusive of those made in paper mills.
	402—Boxes, paper, not elsewhere classified (part of; <i>see also</i> Ind. 779).
	315—Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified (part of; <i>see also</i> Ind. 794 and 2086).
774—Fiber cans, tubes, and similar products.	408—Paper goods not elsewhere classified (part of; <i>see also</i> Ind. 740, 791, and 799).
	402—Boxes, paper, not elsewhere classified (part of; <i>see also</i> Ind. 774).
779—Paperboard containers and boxes not elsewhere classified.	403—Cardboard, not made in paper mills.
791—Die-cut paper and paperboard, and converted cardboard.	404—Card cutting and designing.
793—Wallpaper.	408—Paper goods not elsewhere classified (part of; <i>see also</i> Ind. 740, 774, and 799).
704—Pulp goods (pressed, molded).	411—Wallpaper.
	315—Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified (part of; <i>see also</i> Ind. 774 and 2086).
799—Converted paper products not elsewhere classified.	408—Paper goods not elsewhere classified (part of; <i>see also</i> Ind. 740, 774, and 791).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
811—Newspapers: publishing without printing.	510—Printing and publishing, newspaper and periodical.
812—Newspapers: publishing and printing.	508—Printing and publishing, book, music, and job (in part; <i>see also</i> Ind. 833, 851, 862, and 891).
821—Periodicals: publishing without printing.	508—Printing and publishing, book, music, and job (in part; <i>see also</i> Ind. 831, 832, 851, 862, and 891).
822—Periodicals: publishing and printing.	506—Lithographing (in part; <i>see also</i> Ind. 861 and 862).
831—Books: publishing without printing.	507—Photoengraving, not done in printing establishments (in part; <i>see also</i> Ind. 871 and 893).
832—Books: publishing and printing.	508—Printing and publishing, book, music, and job (in part; <i>see also</i> Ind. 831, 832, 833, 862, and 891).
833—Books: printing without publishing.	506—Lithographing (in part; <i>see also</i> Ind. 833 and 862).
851—General commercial (job) printing.	508—Printing and publishing, book, music, and job (in part; <i>see also</i> Ind. 831, 832, 833, 851, and 891).
861—Lithographing and photo-lithographing (including preparation of stones or plates and dry transfers).	506—Lithographing (in part; <i>see also</i> Ind. 833 and 861).
862—Greeting cards (except hand-painted).	504—Engraving, steel, copperplate, and wood, and plate printing (in part; <i>see also</i> Ind. 892).
871—Gravure, rotogravure, and rotary photogravure (including preparation of plates).	507—Photoengraving, not done in printing establishments (in part; <i>see also</i> Ind. 833 and 893).
880—Bookbinding and related industries.	501—Bookbinding and blank-book making.
891—Machine and hand typesetting (including advertisement typesetting).	508—Printing and publishing, book, music, and job (in part; <i>see also</i> Ind. 831, 832, 833, 851, and 862).
892—Engraving (steel, copperplate, and wood); plate printing.	504—Engraving, steel, copperplate, and wood, and plate printing (in part; <i>see also</i> Ind. 862).
893—Photoengraving, not done in printing establishments (including preparation of plates).	507—Photoengraving, not done in printing establishments (in part; <i>see also</i> Ind. 833 and 871).
894—Electrotyping and stereotyping, not done in printing establishments.	512—Stereotyping and electrotyping, not done in printing establishments.

## Industry Group 9.—CHEMICALS AND ALLIED PRODUCTS

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
911—Paints, varnishes, and lacquers.	626—Paints, pigments, and varnishes.
912—Colors and pigments.	622—Oil, cake, and meal, cottonseed.
921—Cottonseed oil, cake, meal, and linters.	623—Oil, cake, and meal, linseed.
922—Linsed oil, cake, and meal.	625—Oils not elsewhere classified (part of; <i>see also</i> Ind. 925 and 929).
923—Soybean oil, cake, and meal.	624—Oils, essential.
924—Essential oils.	625—Oils not elsewhere classified (part of; <i>see also</i> Ind. 923 and 929).
925—Fish and other marine oils, cake, and meal.	625—Oils not elsewhere classified (part of; <i>see also</i> Ind. 923 and 925).
929—Vegetable and animal oils, not elsewhere classified.	611—Drugs and medicines.
931—Drugs and medicines (including drug grinding).	612—Drug grinding.
932—Perfumes, cosmetics, and other toilet preparations.	628—Perfumes, cosmetics, and other toilet preparations.
933—Insecticides, fungicides, and related industrial and household chemical compounds.	627—Insecticides and fungicides, and industrial and household chemical compounds not elsewhere classified.
941—Soap and glycerin.	1014—Foundry supplies.
951—Rayon and allied products.	631—Soap.
961—Hardwood distillation and charcoal manufactures.	629—Rayon and allied products.
962—Wood naval stores.	633—Wood distillation and charcoal manufacture.
963—Gum naval stores (processing but not gathering or warehousing).	317—Turpentine and rosin.
970—Fertilizers.	614—Fertilizers.
980—Tanning materials, natural dyestuffs, mordants, assistants, and sizes.	632—Tanning materials, natural dyestuffs, mordants, and assistants, and sizes.
981—Coal-tar products, crude and intermediates.	608—Chemicals not elsewhere classified (part of; <i>see also</i> Ind. 999 and 1510).
982—Plastic materials.	613—Explosives.
983—Explosives.	630—Salt.
984—Salt.	610—Compressed and liquefied gases.
985—Compressed and liquefied gases—not made in petroleum refineries or in natural-gasoline plants.	609—Bone black, carbon black, and lampblack.
986—Bone black, carbon black, and lampblack.	618—Ink, printing.
987—Printing ink.	602—Ammunition and related products.
988—Ammunition.	609—Cleaning and polishing preparations.
989—Cleaning and polishing preparations, blackings, and dressings.	604—Blacking, stains, and dressings.
990—Glue and gelatin.	616—Glue and gelatin.
991—Grease and tallow (except lubricating greases).	617—Grease and tallow, not including lubricating greases.
992—Lubricating oils and greases—not made in petroleum refineries.	704—Lubricating oils and greases, not made in petroleum refineries.
993—Fireworks.	615—Fireworks and allied products.
994—Candles.	607—Candles.
995—Bluing.	605—Bluing.
996—Mucilage, paste, and other adhesives, except glue and rubber cement.	621—Mucilage, paste, and other adhesives, except glue and rubber cement.
997—Writing ink.	619—Ink, writing.
999—Chemicals not elsewhere classified.	608—Chemicals not elsewhere classified (part of; <i>see also</i> Ind. 981, 982, and 1510).



**Industry Group 10.—PRODUCTS OF PETROLEUM AND COAL**

[References in right-hand column are to 1939 industry numbers]

1939	1937
1011—Petroleum refining.	705—Petroleum refining.
1031—Beehive coke.	701—Coke-oven products.
1032—Oven coke and coke-oven byproducts.	1632—Paving materials: blocks (except brick and stone) and mixtures.
1051—Paving blocks and paving mixtures: asphalt, creosoted wood, and composition.	1638—Roofing, built-up and roll; asphalt shingles; roof coatings other than paint.
1052—Roofing, built-up and roll; asphalt shingles; roof coating (except paint).	702—Fuel briquets.
1091—Fuel briquets.	

**Industry Group 11.—RUBBER PRODUCTS**

[References in right-hand column are to 1939 industry numbers]

1939	1937
1111—Tires and inner tubes.	803—Rubber tires and inner tubes.
1121—Rubber boots and shoes (including rubber-soled footwear with fabric uppers).	801—Boots and shoes, rubber.
1191—Reclaimed rubber.	802—Rubber goods other than tires, inner tubes, and boots and shoes.
1199—Rubber products not elsewhere classified.	

**Industry Group 12.—LEATHER AND LEATHER PRODUCTS**

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1211—Leather: tanned, curried, and finished—regular factories or jobbers engaging contractors.	907—Leather: tanned, curried, and finished—regular factories.
1212—Leather: tanned, curried, and finished—contract factories.	927—Leather: tanned, curried, and finished—contract factories.
1221—Industrial leather belting and packing leather.	901—Belting and packing, leather.
1230—Boot and shoe cut stock and findings.	902—Boot and shoe cut stock and findings.
1240—Footwear (except rubber).	904—Boots and shoes, other than rubber.
1250—Leather gloves and mittens.	905—Gloves and mittens, leather.
1260—Suitcases, brief cases, bags, trunks, and other luggage.	910—Trunks, suitcases, brief cases, bags, and other luggage.
1271—Women's pocketbooks, handbags, and purses.	908—Hand bags and purses, women's.
1272—Small leather goods.	911—Leather goods—small articles.
1291—Saddlery, harness, and whips.	909—Saddlery, harness, and whips.
1299—Leather goods not elsewhere classified.	906—Leather goods not elsewhere classified (part of; see also Ind. 446).

**Industry Group 13.—STONE, CLAY, AND GLASS PRODUCTS**

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1310—Flat glass.	1008—Glass.
1321—Glass containers.	1016—Mirrors and other glass products made of purchased glass.
1329—Tableware, pressed or blown glass, and glassware not elsewhere classified.	1002—Cement.
1330—Mirrors and other glass products made of purchased glass.	
1340—Cement.	1004—Clay products, other than pottery
1351—Brick and hollow structural tile.	
1352—Terra cotta.	1017—Pottery, including porcelain ware (part of; see also Ind. 1369).
1353—Roofing tile.	
1354—Floor and wall tile (except quarry tile).	1003—China firing and decorating, not done in potteries.
1355—Sewer pipe and kindred products.	1017—Pottery, including porcelain ware (part of; see also Ind. 1361, 1362, 1363, and 1364).
1356—Clay refractories, including refractory cement (clay).	1005—Concrete products.
1359—Clay products (except pottery) not elsewhere classified.	1022—Gypsum products.
1361—Vitreous-china plumbing fixtures.	1020—Wallboard and plaster (except gypsum) building insulation and floor composition.
1362—Hotel china.	1013—Lime.
1363—Whiteware.	1014—Marble, granite, slate, and other stone, cut and shaped.
1364—Porcelain electrical supplies.	1021—Abrasive wheels, stones, paper, and cloth, and related products.
1365—China firing and decorating (for the trade).	1001—Asbestos products other than steam packing and pipe and boiler covering.
1369—Pottery products not elsewhere classified.	1644—Steam and other packing, pipe and boiler covering, and gaskets, not elsewhere classified.
1371—Concrete products.	1010—Graphite, ground and refined.
1372—Gypsum products.	1015—Minerals and earths ground or otherwise treated.
1373—Mineral wool.	1018—Sand-lime brick.
1374—Wallboard and wall plaster (except gypsum), building insulation (except mineral wool), and floor composition.	1023—Nonclay refractories.
1375—Lime.	1019—Statuary and art goods (except concrete), factory production.
1380—Monuments, tombstones, cut-stone, and stone products not elsewhere classified.	
1391—Abrasive wheels, stones, paper, cloth, and related products.	
1392—Asbestos products (except steam packing and pipe and boiler covering).	
1393—Steam and other packing; pipe and boiler covering.	
1394—Natural graphite, ground and refined.	
1395—Minerals and earths, ground or otherwise treated.	
1396—Sand-lime brick, block and tile.	
1397—Nonclay refractories.	
1398—Statuary and art goods (except stone and concrete)—factory production.	

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1411—Blast-furnace products.	1110—Blast-furnace products.
1412—Steel works and rolling mills.	1112—Steel-works and rolling-mill products.
1423—Steel castings.	1131—Foundry products (gray-iron and malleable-iron).
1421—Gray-iron and semisteel castings.	1102—Cast-iron pipe and fittings.
1422—Malleable-iron castings.	1123—Tin cans and other tinware not elsewhere classified.
1424—Cast-iron pipe and fittings.	1126—Wire drawn from purchased rods.
1430—Tin cans and other tinware not elsewhere classified.	1113—Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.
1441—Wire drawn from purchased rods.	1127—Wirework not elsewhere classified.
1442—Nails, spikes, etc., not made in wire mills or in plants operated in connection with rolling mills.	1102—Cutlery (not including silver and plated cutlery) and edge tools.
1449—Wirework not elsewhere classified.	1125—Tools, not including edge tools, machine tools, files, or saws.
1451—Cutlery (except aluminum, silver, and plated cutlery) and edge tools.	1105—Files.
1452—Tools (except edge tools, machine tools, files, and saws).	1116—Saws.
1453—Files.	1109—Hardware not elsewhere classified.
1454—Saws.	1114—Plumbers' supplies, not including pipe or vitreous china sanitary ware.
1459—Hardware not elsewhere classified.	1130—Boiler-shop products.
1461—Enameled-iron sanitary ware and other plumbers' supplies (not including pipe and vitreous and semivitreous china sanitary ware).	1119—Heating and cooking apparatus, except electric.
1463—Power boilers and associated products.	1129—Stamped and pressed metal products; enameling, japanning, and lacquering.
1462—Oil burners, domestic and industrial.	
1464—Steam and hot-water heating apparatus (including hot-water furnaces).	1108—Galvanizing and other coating, done in plants not operated in connection with rolling mills.
1465—Stoves, ranges, water heaters, and hot-air furnaces (except electric).	1122—Structural and ornamental metal work, made in plants not operated in connection with rolling mills.
1466—Steam fittings, regardless of material.	
1469—Heating and cooking apparatus, except electric, not elsewhere classified.	
1471—Vitreous-enameled products, including kitchen, household, and hospital utensils.	
1472—Automobile stampings.	
1473—Stamped and pressed metal products (except automobile stampings).	
1474—Enameling, japanning, and lacquering.	
1475—Galvanizing and other coating—carried on in plants not operated in connection with rolling mills.	
1481—Fabricated structural steel and ornamental metal work, made in plants not operated in connection with rolling mills.	



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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939

- 1482—Doors, window sash, frames, molding, and trim (made of metal).
- 1491—Bolts, nuts, washers, and rivets—made in plants not operated in connection with rolling mills.
- 1492—Forgings, iron and steel—made in plants not operated in connection with rolling mills.
- 1493—Wrought pipe, welded and heavy riveted—made in plants not operated in connection with rolling mills.
- 1494—Springs, steel (except wire)—made in plants not operated in connection with rolling mills.
- 1495—Screw-machine products and wood screws.
- 1496—Steel barrels, kegs, and drums.
- 1497—Firearms.
- 1498—Safes and vaults.
- 1499—Cold-rolled steel sheets and strip and cold-finished steel bars made in plants not operated in connection with hot-rolling mills.

1937

- 1104—Doors, shutters, and window sash and frames, molding, and trim, metal.
- 1101—Bolts, nuts, washers, and rivets, made in plants not operated in connection with rolling mills.
- 1107—Forgings, iron and steel, made in plants not operated in connection with steel works or rolling mills.
- 1128—Wrought pipe, welded and heavy riveted, made in plants not operated in connection with rolling mills.
- 1118—Springs, steel, except wire, made in plants not operated in connection with rolling mills.
- 1117—Screw-machine products and wood screws.
- 1120—Steel barrels, kegs, and drums.
- 1106—Firearms.
- 1115—Safes and vaults.
- 1326—Machine-shop products (part of; *see also* Ind. 1766, 1768, and 1770).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939

- 1510—Primary smelting and refining of nonferrous metals.
- 1520—Alloying; and rolling and drawing of nonferrous metals, except aluminum.
- 1531—Secondary smelting and refining, gold, silver, and platinum.
- 1532—Secondary smelting and refining of nonferrous metals, not elsewhere classified.
- 1541—Clocks, watches, and materials and parts (except watchcases).
- 1542—Watchcases.
- 1551—Jewelry (precious metals).
- 1552—Jewelers' findings and materials.
- 1553—Lapidary work.
- 1561—Silverware and plated ware.
- 1571—Engraving on metal (except for printing purposes).
- 1572—Electroplating, plating, and polishing.
- 1580—Lighting fixtures.
- 1591—Nonferrous-metal foundries (except aluminum).
- 1592—Aluminum ware, kitchen, hospital, and household (except electrical appliances).
- 1593—Aluminum products (including rolling and drawing and extruding), not elsewhere classified.
- 1594—Collapsible tubes.
- 1595—Gold and silver leaf and foil.
- 1596—Tin and other foils (except gold and silver foil).
- 1597—Sheet-metal work not specifically classified.
- 1599—Nonferrous-metal products not elsewhere classified.

1937

- 1215—Smelting and refining, copper.
- 1216—Smelting and refining, lead.
- 1218—Smelting and refining, zinc.
- 608—Chemicals not elsewhere classified (part of; *see also* Ind. 931, 932, and 999).
- 1212—Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified (part of; *see also* Ind. 1591 and 1599).
- 1209—Gold, silver, and platinum, refining and alloying.
- 1217—Smelting and refining, nonferrous metals other than gold, silver, and platinum, not from the ore.
- 1202—Clocks, watches, time-recording devices, and materials and parts except watchcases.
- 1222—Watchcases.
- 1210—Jewelry (part of; *see also* Ind. 2071).
- 1224—Jewelers' findings and materials.
- 1623—Lapidary work.
- 1213—Silverware and plated ware.
- 503—Engraving (other than steel, copperplate, or wood), chasing, etching, and dieinking.
- 1205—Electroplating.
- 1207—Lighting equipment.
- 1212—Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified (part of; *see also* Ind. 1520 and 1599).
- 1201—Aluminum products.
- 1203—Collapsible tubes.
- 1208—Gold leaf and foil.
- 1220—Tin and other foils, not including gold foil.
- 1204—Sheet-metal work, not specifically classified.
- 1212—Nonferrous-metal alloys; nonferrous-metal products, except aluminum, not elsewhere classified (part of; *see also* Ind. 1520 and 1591).

## Industry Group 16.—ELECTRICAL MACHINERY

[References in parentheses in right-hand column are to 1939 industry numbers]

1939

- 1611—Wiring devices and supplies.
- 1612—Carbon products for the electrical industry, and manufactures of carbon or artificial graphite.
- 1613—Electrical measuring instruments.
- 1619—Generating, distribution, and industrial apparatus, and apparatus for incorporation in manufactured products, not elsewhere classified.
- 1620—Electrical appliances.
- 1630—Insulated wire and cable.
- 1640—Automotive electrical equipment.
- 1650—Electric lamps.
- 1662—Communication equipment.
- 1691—Batteries, storage and primary (dry and wet).
- 1692—X-ray and therapeutic apparatus and electronic tubes.
- 1699—Electrical products not elsewhere classified.
- 1601—Radios, radio tubes, and phonographs.

1937

- 1303—Electrical machinery, apparatus, and supplies.

- 1319—Radios, radio tubes, and phonographs.

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939

- 1711—Steam engines, turbines, and water wheels.
- 1712—Internal-combustion engines.
- 1721—Tractors.
- 1729—Agricultural machinery (except tractors).
- 1731—Construction and similar machinery (except mining and oil-field machinery and tools).
- 1732—Oil-field machinery and tools.
- 1733—Mining machinery and equipment.
- 1751—Food-products machinery.
- 1753—Woodworking machinery.
- 1754—Paper-mill, pulp-mill, and paper-products machinery.
- 1759—Special-industry machinery, not elsewhere classified.
- 1762—Elevators, escalators, and conveyors.
- 1763—Cars and trucks, industrial.
- 1764—Blowers; exhaust and ventilating fans.
- 1767—Stokers, mechanical, domestic and industrial.
- 1769—Industrial machinery, not elsewhere classified.
- 1772—Vending, amusement, and other in-operated machines.
- 1782—Commercial laundry, dry-cleaning, and pressing machinery.

1937

- 1304—Engines, turbines, water wheels, and windmills (part of; *see also* Ind. 1729 and 1921).
- 1301—Agricultural implements (including tractors) (part of; *see also* Ind. 1729).
- 1301—Agricultural implements (including tractors) (part of; *see also* Ind. 1721).
- 1304—Engines, turbines, water wheels, and windmills (part of; *see also* Ind. 1711, 1712, and 1921).
- 1305—Machinery not elsewhere classified (part of; *see also* Ind. 1731, 1732, 1733, 1749, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1765, 1766, 1767, 1769, 1771, 1772, and 1782).
- 1324—Cranes and dredging, excavating, and road-building machinery.
- 1305—Machinery not elsewhere classified (part of; *see also* Ind. 1729, 1732, 1733, 1749, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1765, 1766, 1767, 1769, 1771, 1772, and 1782).
- 1305—Machinery not elsewhere classified (part of; *see also* Ind. 1729, 1731, 1749, 1765, 1766, and 1771).

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

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1741—Machine tools.	1307—Machine tools (part of; <i>see also</i> Ind. 1749).
1742—Machine-tool and other metalworking-machinery accessories, metal-cutting and shaping tools, and machinists' precision tools.	1318—Machine-tool accessories and machinists' precision tools.
1749—Metalworking machinery and equipment, not elsewhere classified.	1305—Machinery not elsewhere classified (part of; <i>see also</i> Ind. 1729, 1731, 1732, 1733, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1765, 1766, 1767, 1769, 1771, 1772, and 1782).
1752—Textile machinery.	1307—Machine tools (part of; <i>see also</i> Ind. 1741).
1755—Printing-trades machinery and equipment.	1313—Textile machinery and parts.
1760—Measuring and dispensing pumps.	1325—Printers' machinery and equipment.
1761—Pumping equipment and air compressors.	1309—Pumps (hand and power), pumping equipment, and air compressors.
1765—Measuring instruments, mechanical (except electrical measuring instruments, watches, and clocks).	1620—Instruments and apparatus, professional, scientific, commercial, and industrial (part of; <i>see also</i> Ind. 2011 and 2021).
1768—Machine-shop products, not elsewhere classified.	1302—Cash registers, adding and calculating machines, and other business machines except typewriters (part of; <i>see also</i> Ind. 1771).
1770—Machine-shop repairs.	1305—Machinery not elsewhere classified (part of; <i>see also</i> Ind. 1729, 1731, 1732, 1733, 1749, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1766, 1767, 1769, 1771, 1772, and 1782).
1766—Mechanical power-transmission equipment.	1326—Machine-shop products (part of; <i>see also</i> Ind. 1499, 1766, 1768, and 1770).
1771—Office and store machines, not elsewhere classified.	1326—Machine-shop products (part of; <i>see also</i> Ind. 1499, 1765, and 1766).
1776—Scales and balances.	1305—Machinery not elsewhere classified (part of; <i>see also</i> Ind. 1729, 1731, 1732, 1733, 1749, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1765, 1767, 1769, 1771, 1772, and 1782).
1781—Laundry equipment, domestic.	1326—Machine-shop products (part of; <i>see also</i> Ind. 1499, 1765, 1768, and 1770).
1783—Sewing machines, domestic and industrial.	1302—Cash registers, adding and calculating machines, and other business machines except typewriters (part of; <i>see also</i> Ind. 1765).
1784—Refrigerators, domestic (mechanical and absorption), refrigeration machinery and equipment, and complete air-conditioning units.	1314—Typewriters and parts.
	1305—Machinery not elsewhere classified (part of; <i>see also</i> Ind. 1729, 1731, 1732, 1733, 1749, 1751, 1753, 1754, 1759, 1762, 1763, 1764, 1765, 1766, 1767, 1769, 1772, and 1782).
	1311—Scales and balances.
	1315—Washing machines, wringers, driers, and ironing machines, for household use.
	1312—Sewing machines and attachments.
	1310—Refrigerators and refrigerating and ice-making apparatus.

## Industry Group 18.—AUTOMOBILES AND AUTOMOBILE EQUIPMENT

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1810—Motor vehicles, motor-vehicle bodies, parts and accessories.	1407—Motor-vehicle bodies and motor-vehicle parts (part of; <i>see also</i> Ind. 1820).
1820—Automobile trailers (for attachment to passenger cars).	1408—Motor vehicles, not including motorcycles.
	1407—Motor-vehicle bodies and motor-vehicle parts (part of; <i>see also</i> Ind. 1810).

## Industry Group 19.—TRANSPORTATION EQUIPMENT EXCEPT AUTOMOBILES

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
1911—Locomotives (including frames) and parts: railroad, mining, and industrial.	1406—Locomotives, railroad, mining, and industrial, not built in railroad repair shops.
1912—Cars, and car equipment—railroad, street, and rapid-transit.	1405—Cars, electric and steam railroad, not built in railroad repair shops.
1921—Aircraft and parts, including aircraft engines.	1401—Aircraft and parts.
1931—Shipbuilding and ship repairing.	1304—Engines, turbines, water wheels, and windmills (part of; <i>see also</i> Ind. 1711, 1712, and 1729).
1932—Boat building and boat repairing.	1410—Ship and boat building, steel and wooden, including repair work.
1941—Motorcycles, bicycles, and parts.	1409—Motorcycles, bicycles, and parts.
1999—Transportation equipment not elsewhere classified.	1404—Carriages, wagons, sleighs, and sleds.

## Industry Group 20.—MISCELLANEOUS INDUSTRIES

[References in parentheses in right-hand column are to 1939 industry numbers]

1939	1937
2011—Professional and scientific instruments (except surgical and dental).	1620—Instruments and apparatus, professional, scientific, commercial, and industrial (part of; <i>see also</i> Ind. 2021 and 1765).
2012—Photographic apparatus and materials and projection equipment (except lenses).	1636—Photographic apparatus and materials and projection apparatus.
2013—Optical instruments and lenses.	1631—Optical goods.
2014—Ophthalmic goods: lenses and fittings.	1620—Instruments and apparatus, professional, scientific, commercial, and industrial (part of; <i>see also</i> Ind. 2011 and 1765).
2021—Surgical and medical instruments.	1645—Surgical and orthopedic appliances and related products.
2022—Surgical supplies and equipment not elsewhere classified; orthopedic appliances.	1611—Dentists' equipment and supplies.
2023—Dental equipment and supplies.	1630—Musical instruments: pianos.
2031—Pianos.	1629—Musical instruments: organs.
2032—Organs.	1627—Musical-instrument parts and materials: piano and organ.
2033—Piano and organ parts and materials.	1628—Musical instruments and parts and materials, not elsewhere classified.
2039—Musical instruments, parts, and materials not elsewhere classified.	1648—Toys (not including children's wheel goods or sleds), games, and playground equipment.
2041—Games and toys (except dolls and children's vehicles).	1655—Carriages and sleds, children's.
2042—Dolls (except rubber).	302—Billiard and pool tables, bowling alleys, and accessories.
2043—Children's vehicles.	1642—Sporting and athletic goods, not including firearms or ammunition.
2049—Sporting and athletic goods not elsewhere classified.	1634—Pens, fountain and stylographic; pen points; gold, steel, and brass.
2051—Pens, mechanical pencils, and pen points.	1633—Pencils, lead (including mechanical), and crayons (part of; <i>see also</i> Ind. 2052).
2052—Pencils (except mechanical) and crayons.	1633—Pencils, lead (including mechanical), and crayons (part of; <i>see also</i> Ind. 2051).
2053—Hand stamps, stencils, and brands.	1618—Hand stamps and stencils and brands.
2054—Artists' materials.	1603—Artists' materials.
2055—Carbon paper and inked ribbons.	1607—Carbon paper and inked ribbons.
2061—Buttons.	1606—Buttons.
2071—Costume jewelry and costume novelties (jewelry other than fine jewelry).	1612—Miscellaneous articles not elsewhere classified (part of; <i>see also</i> Ind. 2073 and 2099).
2072—Jewelry cases and instrument cases.	1210—Jewelry (part of; <i>see also</i> Ind. 1551).
2073—Lamp shades.	1622—Jewelry and instrument cases.
2074—Feathers, plumes, and artificial flowers.	1612—Miscellaneous articles not elsewhere classified (part of; <i>see also</i> Ind. 2071 and 2099).
2081—Brooms.	1601—Artificial and preserved flowers and plants.
2082—Brushes.	1613—Feathers, plumes, and manufactures thereof.
2083—Beauty-shop and barber-shop equipment.	1604—Brooms.
	1605—Brushes, other than rubber.
	1653—Beauty-shop equipment, except furniture.

## CENSUS OF MANUFACTURES: 1939

## Industry Group 20.—MISCELLANEOUS INDUSTRIES—Continued

[References in parentheses in right-hand column are to 1939 industry numbers]

1939

1937

2084—Furs, dressed and dyed.  
 2085—Signs, advertising displays, and advertising novelties.  
 2086—Fabricated plastic products, not elsewhere classified.

2087—Umbrellas, parasols, and canes.  
 2088—Tobacco pipes and cigarette holders.  
 2091—Soda fountains, beer dispensing equipment, and related products.  
 2092—Models and patterns (except paper patterns).  
 2093—Hair work.  
 2094—Wool pulling.  
 2095—Needles, pins, hooks and eyes, and slide and snap fasteners.  
 2096—Fire extinguishers, chemical.

2099—Miscellaneous fabricated products not elsewhere classified.

1616—Furs, dressed and dyed.  
 1640—Signs and advertising novelties.  
 315—Synthetic-resin, cellulose-plastic, vulcanized-fiber, and molded and pressed pulp fabricated articles, not elsewhere classified (part of; *see also* Ind. 774 and 794)  
 1649—Umbrellas, parasols, and canes.  
 1637—Pipes (tobacco).  
 1641—Soda fountains and related products.  
 1625—Models and patterns, not including paper patterns.  
 1617—Hair work.  
 1654—Wool pulling.  
 1211—Needles, pins, hooks and eyes, and slide and snap fasteners.  
 1206—Fire extinguishers, chemical.  
 1646—Theatrical scenery and stage equipment.  
 1612—Miscellaneous articles not elsewhere classified (part of; *see also* Ind. 2071 and 2073)

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