INDUSTRY CLASSIFICATIONS

FOR THE

CENSUS OF MANUFACTURES, 1929

The classification of reports for manufacturing establishments consists in the assignment of each to the particular industry to which it belongs in order to bring together, so far as practicable, data for all establishments engaged in the same or in kindred industries.

The assignment of a report to a specific industry is determined by the character of the product or class of products of chief value. This rule is occasionally disregarded, however, in order to avoid classifying an individual establishment in one industry at one census and in another at the next. To illustrate: In 1927 a certain establishment may have manufactured two general classes of products, one of which contributed 55 per cent and the other 45 per cent of its total value of products; but for 1929 these percentages might be reversed, the predominant class of products for 1927 becoming the secondary class for 1929. In such a case as this, in order to make the statistics for 1929 as nearly comparable as possible with those for preceding censuses, the establishment is classified in the same industry for 1929 as for 1927, unless it appears probable that the change is permanent in character.

The number of industry classifications recognized at the census for 1927 was 344. In a number of cases, however, certain classifications appearing separately in "Classifications by Industries, 1927," were combined in the published reports, so that only 340 industries are shown as such in the final report for 1927. At the census for 1929 several of the former industries have been abandoned, some have been consolidated with others in the same groups, and a few new industry classifications have been established. (See "Changes in classifications and in industry titles," p. 59.) The number of classifications now recognized is 331. The industries are listed alphabetically within each group and numbered from 101 in Group 1, 201 in Group 2,

and so on. Thus, the last two figures in each industry number indicate the position of the industry within the group, while the preceding figure or figures indicate the group number. For example, industry No. 411 is the eleventh industry in Group 4, No. 1403 is the third industry in Group 14, and so on.

The work of analyzing and compiling the data and preparing the statistics for the 16 *industry groups* is handled in the division of manufactures by 6 *office groups*, and it has therefore been necessary, except in the case of Office Group 1, to assign 2 or more of the 16 industry groups, in whole or in part, to each office group. The following statement shows the assignment of industry groups to office groups:

Office Group 1:
Industry Group 1, complete.

Office Group 2:
Industry Group 2, complete.
Industry Group 9, except 907.
Industry Group 16—1615, 1616, 1619.

Office Group 3:
Industry Group 11, complete.
Industry Group 12, complete.
Industry Group 13, complete.
Industry Group 14—1405, 1406, 1410.
Industry Group 15, complete.

Office Group 4:
Industry Group 3, complete.
Industry Group 4—407, 410.
Industry Group 16—1624.

Office Group 5:
Industry Group 6, complete.
Industry Group 7, complete.
Industry Group 8, complete.
Industry Group 9—907.
Industry Group 10—1002, 1004, 1008, 1013, 1017, 1018.

Office Group 6:
Industry Group 4, except 407, 410.
Industry Group 5, complete.
Industry Group 10, except 1002, 1004, 1008, 1013, 1017, 1018.
Industry Group 14, except 1405, 1406, 1410.
Industry Group 16, except 1615, 1616, 1619, 1624.

INDUSTRIES—ALPHABETICAL LIST

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number 1929	Industry number Old	INDUSTRY
1301	*1201*	*Agricultural implements.
1401	*1401*	*Aircraft and parts.
601	*821*	Alcohol, ethyl.
1201	*1001*	*Aluminum manufactures.
602	*801*	*Ammunition and related products.
1601	*1601*	Artificial and preserved flowers and plants.
201	*201*	*Artificial leather.
1602	*1602*	Artificial limbs.
1603	*1603*	Artists' materials.
1001	*902*	*Asbestos products, other than steam packing or pipe and boiler covering.
202	*202*	*Asphalted-felt-base floor coverings.
203	*203*	Awnings, tents, sails, and canvas covers.
	1002	*Babbit metal, white metal, type metal, and solder. Abandoned as a separate industry classification; combined with "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified" and "Lead: Bar, pipe, and sheet." See "Nonferrous-metal alloys and products."*
204	*204*	Bags, other than paper, not made in textile mills.
401	*701*	*Bags, paper, exclusive of those made in paper mills.
603	*802*	*Baking powders, yeast, and other leavening compounds.
301	*401*	*Baskets and rattan and willow ware, not including furniture.
205	*205*	Belting and hose, other than leather, rubber, and balata, made from purchased fabrics.
901	*501*	*Belting, leather.
101	*101*	*Beverages.
302	*402*	*Billiard and pool tables, bowling alleys, and accessories.
604	*803*	Blacking, stains, and dressings.
605	*804*	Bluing.
1101	*808*	*Bolts, nuts, washers, and rivets, not made in rolling mills.
606	*805*	*Bone black, carbon black, and lampblack.
501	*702*	Bookbinding and blank-book making.
902	*502*	Boot and shoe cut stock, not made in boot and shoe factories.
903	*503*	Boot and shoe findings, not made in boot and shoe factories.
904	*504*	*Boots and shoes, other than rubber.
801	*602*	*Boots and shoes, rubber.
303	*403*	*Boxes, cigar, wooden.
402	*703*	*Boxes, paper, not elsewhere classified.
304	*404*	*Boxes, wooden, except cigar boxes.
	1004	*Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified. Abandoned as a separate industry classification; combined with "Babbitt metal, white metal, type metal, and solder" and "Lead: Bar, pipe, and sheet." See "Nonferrous metal alloys and products."*

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate th group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
1929	Old	
102	*102*	*Bread and other bakery products.
1604	*1604*	*Brooms.
1605	*1605*	*Brushes, other than rubber.
103	*103*	*Butter.
1606	*1606*	*Buttons.
607	*806*	Candles.
104	*105*	*Canning and preserving: Fish, crabs, shrimps, oysters, and clams.
105	*106*	*Canning and preserving: Fruits and vegetables; pickles, jellies, pr serves, and sauces.
1501	*1501*	*Car and general construction and repairs, electric-railroad repai shops.
1502	*1502*	*Car and general construction and repairs, steam-railroad repair shop
1607		*Carbon paper and inked ribbons.
403	*705*	*Cardboard, not made in paper mills.
404	*704*	*Card cutting and designing.
206	*206*	Carpets and rugs, rag.
207	*207*	*Carpets and rugs, wool, other than rag.
1402	*1402*	Carriage, wagon, sleigh, and sled materials.
1403	*1403*	*Carriages and sleds, children's.
1404	*1404*	*Carriages, wagons, sleighs, and sleds.
1405	*1405*	*Cars, electric and steam railroad, not built in railroad repair shops.
1302	*1202*	*Cash registers, adding machines, and calculating machines.
305	*405*	*Caskets, coffins, burial cases, and other morticians' goods.
1102	*309*	*Cast-iron pipe.
1002	*903*	*Cement.
106	*133*	*Cereal preparations.
107	*108*	*Cheese.
608	*807*	*Chemicals, not elsewhere classified.
108	*109*	*Chewing gum.
1003	*904*	China firing and decorating, not done in potteries.
109	*110*	*Chocolate and cocoa products, not including confectionery.
1608	*1102*	*Cigars and cigarettes.
1004	*905*	*Clay products (other than pottery) and nonclay refractories.
609	*808*	*Cleaning and polishing preparations.
1202	*1005*	*Clocks, clock movements, time-recording devices, and time stamps.
208	*210*	*Clothing (except work clothing), men's, youths', and boys', not elsewhere classified.
209	*209*	Clothing, men's, buttonholes.
210	*212*	*Clothing, women's, not elsewhere classified.
211	*258*	*Clothing, work (except shirts), men's.
212	*208*	Cloth sponging and refinishing.
110	*111*	*Coffee and spice, roasting and grinding.
701	*809*	*Coke, not including gas-house coke.
1203	*1025*	*Collapsible tubes.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
929	Old	
13	*214*	*Collars, men's.
09	*1607*	Combs and hairpins, not made from metal or rubber.
10	*840*	*Compressed and liquefied gases.
05	*901*	*Concrete products.
11	*112*	*Condensed and evaporated milk.
12	*113*	*Confectionery.
06	*406*	*Cooperage.
04	*1006*	Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified.
14	*215*	*Cordage and twine.
07	*407*	*Cork products.
13	*114*	*Corn sirup, corn sugar, corn oil, and starch.
15	*216*	*Corsets and allied garments.
16	*217*	*Cotton goods.
17	*219*	*Cotton small wares.
06	*906*	Crucibles.
03	*301*	*Cutlery (not including silver and plated cutlery) and edge tools.
10	*1608*	*Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.
11	*1609*	*Dental goods and equipment.
04	*310*	*Doors, shutters, and window sash and frames, metal.
1	*811*	*Druggists' preparations.
2	*810*	Drug grinding.
7	*1661*	*Dyeing and cleaning establishments.
8	*220*	Dyeing and finishing textiles.
3	*1203*	*Electrical machinery, apparatus, and supplies.
5	*1007*	Electroplating.
9	*255*	*Embroideries.
7	*907*	Emery wheels and other abrasive and polishing appliances.
	1610	*Enameling and japanning. Abandoned as a separate industry classification; combined with "Stamped and enameled ware, not elsewhere classified." See "Stamped ware, enameled ware, and metal-stamping, enameling, japanning, and lacquering."*
1	*1204*	*Engines, turbines, tractors, and water wheels.
2	*723*	Engravers' materials.
3	*706*	Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking.
4	*707*	Engraving, steel and copperplate, and plate printing.
5	*708*	Engraving, wood.
5	*709*	*Envelopes.
3	*408*	*Excelsior.
3	*813*	*Explosives.
2	*1612*	Fancy and miscellaneous articles, not elsewhere classified.
3	*1613*	Feathers, plumes, and manufactures thereof.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indica group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
1929	Old	
114	*136*	*Feeds, prepared, for animals and fowls.
220	*221*	*Felt goods, wool, hair, or jute.
614	*814*	*Fertilizers.
1105	*302*	*Files.
1106	*303*	*Firearms.
1206	*1008*	Fire extinguishers, chemical.
615	*815*	Fireworks.
221	*222*	Flags and banners.
115	*115*	*Flavoring extracts and flavoring sirups.
222	*223*	Flax and hemp, dressed.
116	*117*	*Flour and other grain-mill products.
117	*118*	*Food preparations, not elsewhere classified.
1107	*311*	Forgings, iron and steel, not made in steel works or rolling mills.
1305	*1205*	*Foundry and machine-shop products, not elsewhere classified.
1614	*1614*	Foundry supplies.
702	*1615*	Fuel, manufactured.
1615	*1616*	*Fur goods.
223	*224*	*Furnishing goods, men's, not elsewhere classified.
309	*409*	*Furniture, including store and office fixtures.
1616	*1617*	Furs, dressed.
1108	*304*	Galvanizing and other coating, not done in rolling mills.
1207	*1009* *1013*	*Gas and electric fixtures; lamps, lanterns, and reflectors.
	1009	*Gas and electric fixtures, not including lamps and reflectors. Aband as a separate industry classification; combined with "Lamps an flectors, not including electric bulbs." See "Gas and electric fixt lamps, lanterns, and reflectors."*
1306	*1206*	*Gas machines and gas and water meters.
703	*816*	*Gas, manufactured, illuminating and heating.
1008	*908*	*Glass.
1009	*909*	Glass cutting, staining, and ornamenting.
224	*225*	*Gloves and mittens, cloth or cloth and leather combined, made f purchased fabrics.
905	*505*	*Gloves and mittens, leather.
616	*817*	*Glue and gelatin.
1208	*1010*	*Gold leaf and foil.
1209	*1011*	Gold, silver, and platinum, reducing and refining, not from the or
1010	*910*	Graphite, ground and refined.
617	*818*	*Grease and tallow, not including lubricating greases.
1011	*911*	Grindstones, pulpstones, and millstones.
225	*226*	Haircloth.
1617	*1618*	Hair work.
	227	*Hammocks. Abandoned as a separate industry classification; combi with "Furniture, including store and office fixtures."*

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
929	Old	
226	*257*	*Handkerchiefs.
118	*1619*	Hand stamps and stencils and brands.
109	*305*	*Hardware, not elsewhere classified.
227	*228*	Hat and cap materials, men's.
228	*229*	*Hats and caps, except felt and straw, men's.
229	*230*	*Hats, fur-felt.
119	*1620*	*Hats, straw, men's.
230	*231*	*Hats, wool-felt.
112	*912*	Hones, whetstones, and similar products.
231	*232*	Horse blankets, fly nets, and related products.
	306	*Horseshoes, not made in rolling mills. Abandoned as a separate industry classification; combined with "Forgings, iron and steel, not made in steel works and rolling mills."*
232	*233*	*House-furnishing goods, not elsewhere classified.
118	*119*	*Ice cream.
119	*120*	*Ice, manufactured.
118	*819*	Ink, printing.
119	*820*	Ink, writing.
120	*1621*	*Instruments, professional and scientific.
110	*307*	*Iron and steel: Blast furnaces.
111	*313*	Iron and steel, processed.
112	*314*	*Iron and steel: Steel works and rolling mills.
121	*1622*	Ivory, shell, and bone work, not including buttons, combs, or hairpins.
110	*1012*	*Jewelry.
122	*1623*	Jewelry and instrument cases.
233	*234*	*Jute goods.
234	*235*	*Knit goods.
106	*710*	*Labels and tags.
235	*218*	*Lace goods.
	1013	*Lamps and reflectors, not including electric bulbs. Abandoned as a separate industry classification; combined with "Gas and electric fixtures, not including lamps and reflectors." See "Gas and electric fixtures; lamps, lanterns, and reflectors."*
123	*1624*	Lapidary work.
120	*134*	*Lard substitutes and vegetable cooking oils.
110	*410*	*Lasts and related products.
	1014	*Lead: Bar, pipe, and sheet. Abandoned as a separate industry classification; combined with "Babbitt metal, white metal, type metal, and solder" and "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified." See "Nonferrous-metal alloys and products."*
106	*506*	*Leather goods, not elsewhere classified.
107	*507*	*Leather: Tanned, curried, and finished.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
1929	Old	
1013	*913*	*Lime.
236	*236*	*Linen goods.
237	*237*	*Linoleum.
620	*823*	Liquors, vinous.
506	*711*	Lithographing.
1406	*1407*	*Locomotives, not made in railroad repair shops.
704	*824*	Lubricating oils and greases, not made in petroleum refineries.
311	*411*	*Lumber and timber products, not elsewhere classified.
121	*125*	*Macaroni, spaghetti, vermicelli, and noodles.
1307	*1207*	*Machine tools.
122	*121*	*Malt.
1014	*914*	*Marble, granite, slate, and other stone products.
312	*413*	*Matches.
238	*238*	Mats and matting, grass and coir.
1624	*1625*	*Mattresses and bed springs, not elsewhere classified.
123	*128*	*Meat packing, wholesale.
1308	*1216*	*Metal-working machinery, other than machine tools.
239	*239*	*Millinery.
1015	*915*	Minerals and earths, ground or otherwise treated.
313	*414*	*Mirror and picture frames.
1016	*916*	*Mirrors, framed and unframed.
1625	*1626*	Models and patterns, not including paper patterns.
1626	*1627*	*Motion pictures, not including projection in theaters.
1407	*1408*	*Motor-vehicle bodies and motor-vehicle parts.
1408	*1409*	*Motor vehicles, not including motorcycles.
1409	*1410*	*Motorcycles, bicycles, and parts.
621	*825*	Mucilage, paste, and other adhesives, except glue and rubber ceme
1627	*1303*	*Musical instrument parts and materials: Piano and organ.
1628	*1301*	*Musical instruments and parts and materials, not elsewhere classifi
1629	*1302*	*Musical instruments: Organs.
1630	*1304*	*Musical instruments: Pianos.
1113	*812*	*Nails, spikes, etc., not made in rolling mills or wire mills.
1211	*1015*	*Needles, pins, hooks and eyes, and snap fasteners.
240	*240*	Nets and seines.
1212	*1002*, *1004*, *1014*	*Nonferrous-metal alloys and products.
622	*826*	*Oil, cake, and meal, cottonseed.
623	*827*	*Oil, cake, and meal, linseed.
624	*828*	*Oils, essential.
625	*829*	*Oils, not elsewhere classified.
241	*242*	*Oilcloth.
124	*122*	*Oleomargarine and other butter substitutes, not made in me packing establishments.

Industries—Alphabetical List—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number 1929	Industry number Old	INDUSTRY
1631	*1628*	*Optical goods.
626	*830*	*Paints and varnishes.
407	*712*	*Paper.
408	*713*	*Paper goods, not elsewhere classified.
409	*714*	*Paper patterns.
627	*831*	*Patent and proprietary medicines and compounds.
1632	*1629*	Paving materials, other than brick or granite.
125	*123*	*Peanuts, walnuts, and other nuts, processed.
1633	*1630*	*Pencils, lead (including mechanical).
1634	*317*, *1016*, *1631*	*Pens, fountain and stylographic; pen points, gold, steel, and brass.
	1631	*Pens, fountain and stylographic. Abandoned as a separate industry classification; combined with "Pens, gold" and "Pens, steel and brass." See "Pens, fountain and stylographic; pen points, gold, steel, and brass."*
	1016	*Pens, gold. Abandoned as a separate industry classification; combined with "Pens, steel and brass" and "Pens, fountain and stylographic." See "Pens, fountain and stylographic; pen points, gold, steel, and brass."*
	317	*Pens, steel and brass. Abandoned as a separate industry classification; combined with "Pens, gold" and "Pens, fountain and stylographic." See "Pens, fountain and stylographic; pen points, gold, steel, and brass."*
628	*832*	*Perfumes, cosmetics, and other toilet preparations.
705	*833*	*Petroleum refining.
1635	*1505*	*Phonographs.
507	*715*	Photo-engraving, not done in printing establishments.
1636	*1632*	*Photographic apparatus and materials.
1637	*1634*	Pipes (tobacco).
314	*412*	*Planing-mill products (including general millwork), not made in planing mills connected with sawmills.
1213	*1017*	*Plated ware.
1114	*318*	*Plumbers' supplies, not including pipe or vitreous-china sanitary ware.
908	*508*	*Pocketbooks, purses, and cardcases.
1017	*917*	*Pottery, including porcelain ware.
126	*125*	*Poultry killing, dressing, and packing, wholesale.
1676	*1660*	*Power laundries.
508	*716*	*Printing and publishing, book and job.
509	*717*	*Printing and publishing, music.
510	*718*	*Printing and publishing, newspaper and periodical.
511	*719*	Printing materials, not including type or printing ink.
315	*415*	Pulp goods.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
1929	Old	
410	*724*	*Pulp (wood and other fiber).
1309	*1209*	*Pumps (hand and power) and pumping equipment.
629	*839*	*Rayon and allied products.
316	*416*	*Refrigerators and refrigerator cabinets, exclusive of mechanical re frigerating equipment.
1310	*1217*	*Refrigerators, mechanical.
242	*245*	Regalia, badges, and emblems.
127	*126*	*Rice cleaning and polishing.
1638	*1636*	*Roofing materials, not including wood, slate, burnt tile, asbestos, o metal.
802	*603*	*Rubber goods, other than tires, inner tubes, and boots and shoes.
803	*604*	*Rubber tires and inner tubes.
909	*509*	Saddlery and harness.
1115	*319*	Safes and vaults.
630	*834*	Salt.
1018	*918*	*Sand-lime brick.
1639	*1637*	Sandpaper, emery paper, and other abrasive paper and cloth.
128	*127*	*Sausage, meat puddings, headcheese, etc., and sausage casings, no made in meat-packing establishments.
1116	*320*	*Saws.
1311	*1210*	*Scales and balances.
	321	*Screw-machine products. Abandoned as a separate industry classifica tion; combined with "Screws, wood." See "Screw-machine product and wood screws."*
1117	*321* *322*	*Screw-machine products and wood screws.
	322	*Screws, wood. Abandoned as a separate industry classification; combine with screw-machine products. See "Screw-machine products and wood screws."*
1312	*1211*	*Sewing machines, cases, and attachments.
1410	*1411*	*Ship and boat building, steel and wooden, including repair work.
243	*244*	*Shirts.
1640	*1638*	*Signs and advertising novelties.
244	*245*	*Silk and rayon manufactures.
1214	*1018*	*Silversmithing and silverware.
	128	*Slaughtering and meat packing, wholesale. Title changed to "Mea packing, wholesale."*
1215	*1019*	*Smelting and refining, copper.
1216	*1020*	*Smelting and refining, lead.
	1021	*Smelting and refining, metals not elsewhere classified. Abandoned. N establishments reported at recent censuses.*
1217	*1022*	*Smelting and refining, metals other than gold, silver, or platinum, not from the ore.
1218	*1023*	*Smelting and refining, zinc.
631	*835*	*Soap.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number 1929	Industry number Old	INDUSTRY
1641	*1639*	Soda-water apparatus.
1642	*1640*	*Sporting and athletic goods, not including firearms or ammunition.
1118	*323*	*Springs, steel, except wire, not made in rolling mills.
	1024	*Stamped and enameled ware, not elsewhere classified. Abandoned as a separate industry classification; combined with "Enameling and japanning." See "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering."*
1219	*1024*	*Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.
1643	*1641*	Stationery goods, not elsewhere classified.
1019	*919*	Statuary and art goods, factory product.
1644	*1642*	*Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills.
1119	*324*	*Steam fittings and steam and hot-water heating apparatus.
1120	*325*	Steel barrels, kegs, and drums.
512	*720*	Stereotyping and electrotyping, not done in printing establishments.
	326	*Stoves and appliances, gas and oil. Abandoned as a separate industry classification; combined with "Stoves (other than gas, oil, or electric) and warm-air furnaces." See "Stoves and ranges (other than electric) and warm-air furnaces."*
1121	*326*	*Stoves and ranges (other than electric) and warm-air furnaces.
	327	*Stoves (other than gas, oil, or electric) and warm-air furnaces. Abandoned as a separate industry classification; combined with "Stoves and appliances, gas and oil." See "Stoves and ranges (other than electric) and warm-air furnaces."*
1122	*328*	*Structural and ornamental iron and steel work, not made in rolling mills.
129	*129*	*Sugar, beet.
130	*130*	*Sugar, cane, not including products of refineries.
131	*131*	*Sugar refining, cane.
	836	*Sulphuric, nitric, and mixed acids. Abandoned as a separate industry classification; included with "Chemicals, not elsewhere classified."*
1645	*1643*	Surgical appliances.
245	*246*	*Suspenders, garters, and other elastic woven goods, made from purchased webbing.
632	*812*	*Tanning materials, natural dyestuffs, mordants and assistants, and sizes.
1313	*1212*	*Textile machinery and parts.
1646	*1644*	Theatrical scenery and stage equipment.
	1025	*Tin and other foils, not including gold and silver; collapsible tubes. Separated into two classifications. See "Collapsible tubes," and "Tin and other foils, not including gold foil."*
1220	*1025*	*Tin and other foils, not including gold foil.
1123	*330*	*Tin cans and other tinware, not elsewhere classified.
1124	*329*	*Tin plate and terneplate, not made in rolling mills.
1647	*1101*	*Tobacco: Chewing and smoking, and snuff.

INDUSTRIES—ALPHABETICAL LIST—Continued

[The figure or figures *preceding* the last two in each industry number indicate the group number. Industries marked (*) require special schedules]

Industry number		INDUSTRY
1929	Old	
1125	*331*	*Tools, not including edge tools, machine tools, files, or saws.
1648	*1645*	*Toys (not including children's wheel goods or sleds), games, and playground equipment.
246	*256*	*Trimmings (not made in textile mills) and stamped art goods for embroidering.
910	*510*	Trunks, suitcases, and bags.
317	*419*	*Turpentine and rosin.
513	*721*	Type founding.
1314	*1213*	*Typewriters and parts.
	1213	*Typewriters and supplies. Classification separated into "Typewriters and parts" and "Carbon paper and inked ribbons."*
1649	*1646*	Umbrellas, parasols, and canes.
247	*247*	Upholstering materials, not elsewhere classified.
132	*132*	*Vinegar and cider.
411	*722*	*Wall paper.
1020	*920*	*Wall plaster, wall board, and floor composition.
1315	*1214*	*Washing machines, wringers, driers, and ironing machines, for household use.
248	*248*	*Waste.
1221	*1026*	*Watch and clock materials and parts, except watchcases.
1222	*1027*	*Watchcases.
1223	*1028*	*Watches and watch movements.
1650	*1647*	Whips.
1316	*1215*	Windmills and windmill towers.
318	*420*	*Window and door screens and weather strip.
1651	*1648*	Window shades and fixtures.
1126	*333*	*Wire, drawn from purchased bars or rods.
1127	*334*	*Wirework, not elsewhere classified.
633	*838*	*Wood distillation and charcoal manufacture.
	423	*Wooden goods, not elsewhere classified. Abandoned as a separate industry classification. See "Wood turned and shaped and other wooden goods, not elsewhere classified."*
319	*421*	*Wood preserving.
320	*422*	*Wood turned and shaped and other wooden goods, not elsewhere classified.
	422	*Wood, turned and shaped, not elsewhere classified. Abandoned as a separate industry classification. See "Wood turned and shaped and other wooden goods, not elsewhere classified."*
1317		*Woodworking machinery.
249	*252*	*Woolen goods.
250	*249*	Wool pulling.
251	*250*	Wool scouring.
252	*251*	*Wool shoddy.
253	*253*	*Worsted goods.
1128	*315*	*Wrought pipe, welded and heavy riveted, not made in rolling mills.

INDUSTRIES, BY GROUPS

An asterisk (*) in front of an industry number indicates a new industry classification; an asterisk in front of a form number indicates that the industry named on the same line is reported on a special schedule for the first time.

Industry Group 1.—FOOD AND KINDRED PRODUCTS

OFFICE GROUP 1

Industry number		CLASSIFICATION	Form No.
1929	Old		
101	*101*	**Beverages** Root beer, ginger ale, grape juice, cereal beverages, "near beer," etc. (Sirups for use in flavoring soda-fountain drinks are classified under Flavoring extracts and flavoring sirups.)	101
102	*102*	**Bread and other bakery products** Bread, biscuit, crackers, pretzels, pies, cake, etc. (*a*) Biscuit and crackers. (*b*) Bakery products, other than biscuit and crackers.	102
103	*103*	**Butter** (*see also* **Cheese; Condensed and evaporated milk**)	103
104	*105*	**Canning and preserving: Fish, crabs, shrimps, oysters, and clams** (*see also* **Food preparations, not elsewhere classified**) Canned, pickled, smoked, and dried fish, and canned crabs, lobsters, shrimps, oysters, and clams. (Does not include establishments engaged solely in shucking oysters.)	104
105	*106*	**Canning and preserving: Fruits and vegetables; pickles, jellies, preserves, and sauces** (*see also* **Food preparations, not elsewhere classified**) Canned and preserved fruits and vegetables; processed and dried fruits and vegetables; preserves, jellies, pickles, sauces, dressings, catsup, prepared mustard, etc.	105
106	*133*	**Cereal preparations** Cereal breakfast foods, hominy, cracked wheat, rolled oats, hulled corn, self-raising flour, cereal coffee substitutes, etc.	116
107	*108*	**Cheese** (*see also* **Butter; Condensed and evaporated milk**)	103
108	*109*	**Chewing gum** (*see also* **Confectionery**)	112
109	*110*	**Chocolate and cocoa products, not including confectionery** (*see also* **Confectionery**) Chocolate, cocoa, cocoa butter, broma, and other products of the nut of the cacao tree.	109
110	*111*	**Coffee and spice, roasting and grinding**	110
111	*112*	**Condensed and evaporated milk** (*see also* **Butter; Cheese**) Condensed milk, evaporated milk, powdered milk, sugar of milk; dried casein (not plastic).	103
112	*113*	**Confectionery** (*see also* **Chocolate and cocoa products**) Confectionery of all kinds, and stick licorice, corn balls, salted nuts, etc.	112

INDUSTRY GROUP 1.—FOOD AND KINDRED PRODUCTS—Cont

OFFICE GROUP 1—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
113	*114*	**Corn sirup, corn sugar, corn oil, and starch** Corn sirup; corn sugar; corn, wheat, potato, and root starch; corn oil; corn-oil cake and meal; etc.	
114	*136*	**Feeds, prepared, for animals and fowls** (*see also* **Flour and other grain-mill products**) Feeds prepared from ground grain and other ingredients such as alfalfa, molasses, bone meal, etc.; ground oyster shells.	
115	*115*	**Flavoring extracts and flavoring sirups** (*see also* **Baking powders, yeast, and other leavening compounds**) Flavoring extracts, pastes, and powders; colors for bakers and confectioners, flavoring sirups, and crushed fruits for soda-fountain use.	
116	*117*	**Flour and other grain-mill products** (*see also* **Feeds, prepared, for animals and fowls**) Wheat, corn, rye, buckwheat, rice, and barley, flour and meal; cracked corn, shorts, middlings, feed for livestock, etc.	
117	*118*	**Food preparations, not elsewhere classified** All food preparations for human consumption, not classifiable in any of the other industries in Group 1. Meat products such as boiled and boneless ham; blended and compounded sirups for table use; peanut butter; preparations such as mincemeat, potato chips, and plum and fig puddings; malted-milk products; ice-cream cones, etc. Flavoring sirups, corn sirup, cane-sugar sirup, and beet-sugar sirup are *not* included, these products having separate classifications.	
118	*119*	**Ice cream**	1
119	*120*	**Ice, manufactured** Ice manufactured for sale.	1
120	*134*	**Lard substitutes and vegetable cooking oils** (*see also* **Meat packing**) Lard substitutes compounded of both animal and vegetable oils and fats and those made of vegetable oils only.	1
121	*135*	**Macaroni, spaghetti, vermicelli, and noodles**	1
122	*121*	**Malt** Malt, made chiefly from barley, but to some extent from other grains.	1
123	*128*	**Meat packing, wholesale** (*see also* **Lard substitutes and vegetable cooking oils; Oleomargarine and other butter substitutes; Sausage, etc., and sausage casings**) This classification covers establishments engaged both in slaughtering cattle, hogs, sheep, or other animals and in preserving all or a part of the raw stock by canning, salting, smoking, or otherwise curing it for the trade; establishments which purchase raw stock from slaughterhouses and preserve it; and establishments engaged in wholesale slaughtering only.	1
	123	*Nuts, processed.* (*Title changed to Peanuts, walnuts, and other nuts, processed.*)	

INDUSTRY GROUP 1.—FOOD AND KINDRED PRODUCTS—Contd.

OFFICE GROUP 1—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
124	*122*	**Oleomargarine and other butter substitutes, not made in meat-packing establishments** (*see also* **Meat packing, wholesale**)	124
		Oleomargarine, butterine, etc., not including that made in meat-packing establishments.	
125	*123*	**Peanuts, walnuts, and other nuts, processed**	125
		Bleached and shelled walnuts; polished pecans; graded and shelled peanuts; etc.	
126	*125*	**Poultry killing, dressing, and packing, wholesale**	*126
		This classification covers establishments with products valued at $20,000 or more, engaged primarily in poultry killing, dressing, and packing (including canning), for the wholesale trade.	
127	*126*	**Rice cleaning and polishing**	127
128	*127*	**Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments** (*see also* **Meat packing**)	128
		Sausage, meat puddings, headcheese, scrapple, etc., and sausage casings.	
	128	*Slaughtering and meat packing, wholesale. Title changed to Meat packing, wholesale.*	
129	*129*	**Sugar, beet**	129
130	*130*	**Sugar, cane, not including products of refineries**	130
		This classification covers all establishments engaged primarily in the manufacture of sugar (raw or refined), molasses, and sirups, from cane.	
131	*131*	**Sugar refining, cane**	131
		This classification embraces establishments engaged wholly or mainly in the refining of raw cane sugar, practically all of which is imported.	
132	*132*	**Vinegar and cider**	105
		SPECIAL INQUIRIES	
		Annual:	
176	*176*	**Canned vegetables: Peas, corn, and tomatoes—stocks on hand**	------
177	*177*	**Canned vegetables: Pack of peas, green and wax beans, corn, spinach, and tomatoes**	------

Industry Group 2.—TEXTILES AND THEIR PRODUCTS

OFFICE GROUP 2

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
201	*201*	**Artificial leather** All kinds of artificial or imitation leather, regardless of method of manufacture, materials, or use of finished product.	201
202	*202*	**Asphalted-felt-base floor coverings** (*see also* **Linoleum**) A product which resembles linoleum, made by printing or painting on the surface of a foundation of asphalted felt.	201
203	*203*	**Awnings, tents, sails, and canvas covers** Window, store, and veranda awnings; tents; sails; tarpaulins; and canvas covers. Small establishments making these goods to individual order are not included.	100
204	*204*	**Bags, other than paper, not made in textile mills** Meal bags, salt bags, gunny or jute bags, and all other bags made from materials other than paper.	100
205	*205*	**Belting and hose, other than leather, rubber, and balata, made from purchased fabrics** (*see also* **Cotton small wares**) Belting and hose made from duck or canvas. (*a*) Belting. (*b*) Hose.	100
206	*206*	**Carpets and rugs, rag** Some of the establishments embraced in this classification manufacture carpets and rugs from materials supplied by others.	100
207	*207*	**Carpets and rugs, wool, other than rag** (*see also* **Cotton goods; Jute goods; Woolen goods; Worsted goods**) Carpets and rugs made chiefly of wool, and usually with a jute, cotton, or linen back. This industry does *not* include the manufacture of rag, cotton, or jute carpets and rugs, or floor coverings of grass or reeds.	207
208	*210*	**Clothing (except work clothing), men's, youths', and boys', not elsewhere classified** (*a*) Regular factories. (*b*) Contract shops.	208
209	*209*	**Clothing, men's, buttonholes**	100
210	*212*	**Clothing, women's, not elsewhere classified** Women's, misses', girls', and infants' suits, dresses, coats, cloaks, skirts, blouses, shirt waists, undergarments, petticoats, scarfs (except knitted), neckwear, etc. (*a*) Regular factories. (*b*) Contract shops.	210
211	*258*	**Clothing, work (except shirts), men's**	208
212	*208*	**Cloth sponging and refinishing** Sponging and refinishing cloth on contract. (This classification must not be confused with "Dyeing and finishing textiles.")	100
213	*214*	**Collars, men's** (*see also* **Furnishing goods, men's; Shirts**)	213

INDUSTRY GROUP 2.—TEXTILES AND THEIR PRODUCTS—Contd.

OFFICE GROUP 2—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
214	*215*	**Cordage and twine** (*see also* **Cotton goods; Cotton small wares; Jute goods; Linen goods; Nets and seines**) Rope, cable, cordage, twine, binder twine, fish line, etc., braided or twisted, made from hemp, flax, cotton, manila, jute, and other fiber.	214
215	*216*	**Corsets and allied garments** Corsets, brassières, bandeaux, combinations, girdles, corset stays, etc.	21[illegible]
216	*217*	**Cotton goods** (*see also* **Cordage and twine; Cotton small wares; Knit goods; Lace goods**) All kinds of plain and fancy woven fabrics, in the piece or otherwise, over 12 inches in width; cotton felts; and yarn, thread, and cotton waste for sale.	216
217	*219*	**Cotton small wares** (*see also* **Cotton goods; Lace goods**) Narrow woven fabrics, not over 12 inches in width, and braids of every description. Woven belting and hose, elastic and nonelastic webbing, tape, trimmings, edgings, bindings, shoe laces, corset laces, wicks and wicking, etc.	216
218	*220*	**Dyeing and finishing textiles** Bleaching, dyeing, printing, mercerizing, spooling, warping, winding (except silk and rayon warping and winding), etc., of piece goods, yarn, stock, etc., of cotton, wool, silk, or other textile fiber.	100
219	*255*	**Embroideries** (*see also* **Lace goods**) Schiffli embroideries and burnt-out laces; bonnaz and other hand-machine embroideries; hand embroideries.	219
220	*221*	**Felt goods, wool, hair, or jute** Felt goods made of wool, hair, or jute, woven or made by the needle-loom process or by heat, moisture, and pressure.	207
221	*222*	**Flags and banners** (*see also* **Regalia, badges, and emblems**) Flags, banners, pennants, etc.	100
222	*223*	**Flax and hemp, dressed** Removal of seeds, dross, etc., and preparation of raw flax and hemp for factory use.	100
223	*224*	**Furnishing goods, men's, not elsewhere classified** (*see also* **Collars, men's; Gloves and mittens, cloth or cloth and leather combined; Gloves and mittens, leather; Knit goods; Shirts; Suspenders, garters, and other elastic woven goods**) Neckwear; belts, other than leather; bathrobes; lounging garments; sleeping garments; underwear (cut and sewed from purchased fabric); etc.	208
224	*225*	**Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics** (*see also* **Gloves and mittens, leather; Knit goods**)	224
225	*226*	**Haircloth**	100
	227	*Hammocks. Abandoned as a separate industry classification, combined with No. 309, "Furniture, including store and office fixtures."*	
226	*257*	**Handkerchiefs**	208

Industry Group 2.—Textiles and Their Products—Contd.

OFFICE GROUP 2—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
227	*228*	**Hat and cap materials, men's** Hatters' fur, sweatbands, visors, linings, bindings, trimmings, tip printing, etc.	1[illegible]
228	*229*	**Hats and caps, except felt and straw, men's** Silk hats, chapeaux, opera or crush hats, cloth caps, uniform caps, athletic hats and caps, etc.	*2[illegible]
229	*230*	**Hats, fur-felt** Stiff and soft hats and hat bodies made chiefly from hatters' fur for men, women, and children.	2[illegible]
230	*231*	**Hats, wool-felt** Men's, women's, and children's hats and hat bodies, the chief materials of which are wool, wool nolls, wool shoddy, etc.	2[illegible]
231	*232*	**Horse blankets, fly nets, and related products** Horse blankets made from purchased fabrics, saddle cloths, fly nets, sweat pads, etc.	1[illegible]
232	*233*	**House-furnishing goods, not elsewhere classified** (*see also* **Artificial leather; Asphalted-felt-base floor coverings; Carpets and rugs, rag; Carpets and rugs, wool, other than rag; Cotton goods; Furniture; Lace goods; Linoleum; Mattresses and bed springs; Oilcloth; Silk and rayon manufactures; Upholstering materials**) Comfortables, piano covers and scarfs, carpet linings, mosquito canopies, portières, draperies, slip covers of every kind, serving trays, cushions (except spring cushions), hassocks, pillow shams, carpet sweepers, pillows, quilts, cotton batting, mops, pincushions, clothslines (put up from purchased line), and other house-furnishing goods not covered by separate classifications.	2[illegible]
233	*234*	**Jute goods** (*see also* **Cordage and twine; Linen goods; Mats and matting, grass and coir**) Bagging for baling cotton; carpets and rugs, webbing, yarns, twine, etc.; other goods where the material of chief value is jute fiber or jute yarn.	2[illegible]
234	*235*	**Knit goods** (*see also* **Clothing, women's; Furnishing goods, men's**) Hosiery, underwear, outerwear, knit cloth, and all other machine-knit goods, whether for personal wear or for domestic, mechanical, or other use, without regard to the kind of yarn used, which may be of cotton, wool, silk, rayon, linen, or other fiber, or of any mixture of fibers.	2[illegible]
235	*218*	**Lace goods** All lace-machine products, such as Nottingham lace curtains and nets, levers laces, bobbinets, lace bedspreads, panels, and other pieces, barmen laces, etc.	2[illegible]
236	*236*	**Linen goods** (*see also* **Cordage and twine; Jute goods; Lace goods**) Crash, towels, toweling, and other linen and cotton-and-linen mixed fabrics; yarns, thread, etc., where the material of chief value is flax.	2[illegible]

INDUSTRY GROUP 2.—TEXTILES AND THEIR PRODUCTS—Contd.

OFFICE GROUP 2—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
237	257	**Linoleum** (*see also* **Asphalted-felt-base floor coverings**) Plain, printed, and inlaid linoleum, and a form of linoleum known as "cork carpet."	201
238	238	**Mats and matting, grass and coir** (*see also* **Jute goods**) Door mats, floor mattings, art squares, rugs, and carpets, made from such materials as wire grass, reeds, and coir (cocoa fiber).	100
239	239	**Millinery** (*see also* **Artificial and preserved flowers and plants; Feathers, plumes, and manufactures thereof; Hats, fur-felt; Hats, wool-felt**) Trimmed hats, including felt hats made from purchased bodies; women's straw hats; hat frames; millinery trimmings (for sale as such); infants' headwear; etc.	239
240	240	**Nets and seines** (*see also* **Cordage and twine**) Fish nets, laundry nets, seines, etc.	100
241	242	**Oilcloth** Table, wall, shelf, stair, and enameled oilcloth.	201
242	243	**Regalia, badges, and emblems** (*see also* **Flags and banners**) Regalia, badges, and emblems for use by military and civilian organizations.	100
243	244	**Shirts** (*see also* **Clothing, men's; Clothing, work, men's; Collars, men's; Furnishing goods, men's**) Shirts of cotton, linen, wool, silk, artificial silk, etc., shirt bosoms, and shirt waists for men and boys; work shirts.	213
244	245	**Silk and rayon manufactures** (*see also* **Cotton goods; Knit goods**) (*a*) Manufacture of finished products: Broad silks (all-silk, all-rayon, silk-mixed, and rayon-mixed goods), velvets, plushes, upholstery, tapestries, ribbons, veils, veilings, braids, bindings, trimmings, machine twist, etc.; sewing, embroidery, and other floss silks. (*b*) Throwing, winding, and warping of silk and rayon, and the spinning of silk or rayon waste. The greater part of this work is done on a contract basis, the materials and products being owned and reported by others.	244
245	246	**Suspenders, garters, and other elastic woven goods, made from purchased webbing** (*see also* **Furnishing goods, men's; Surgical appliances**)	245
246	256	**Trimmings (not made in textile mills) and stamped art goods for embroidering** Dress and coat trimmings, millinery trimmings, tuckings, pleatings, hemstitching, bias bindings, crochet goods, stamped art goods for embroidering, etc.	246
247	247	**Upholstering materials, not elsewhere classified** (*see also* **Artificial leather; Cotton goods; Cotton small wares; Excelsior; Oilcloth; Silk and rayon manufactures; Woolen goods; Worsted goods**) Curled hair, moss, tow, etc. (*a*) Curled hair. (*b*) All other.	100

Industry Group 2.—Textiles and Their Products—Contd.

OFFICE GROUP 2—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
248	*248*	**Waste** Cleaning or otherwise preparing waste of cotton or other fiber by use of picker or similar machine, and production of wiping rags, oakum, etc.	248
249	*252*	**Woolen goods** (*see also* **Carpets and rugs, wool, other than rag; Felt goods, wool, hair, or jute; Knit goods; Worsted goods**) All kinds of woven fabrics (except woven felts), in the piece or otherwise, braids, webbing, cords, etc., and yarns and waste for sale, made from wool, shoddy, noils of wool or mohair or other animal hair, or a combination of these materials with one another or with cotton, silk, or other fiber.	207
250	*249*	**Wool pulling** (*see also* **Meat packing**) Detaching wool from sheepskin.	100
251	*250*	**Wool scouring** Scouring, sorting, and carbonizing wool.	100
252	*251*	**Wool shoddy** (*see also* **Woolen goods; Worsted goods**) Recovered wool fiber, known as "shoddy," "mungo," "flocks" (the result of shearing cloth), and "wool extract," made from rags, waste, noils, tailors' clippings, etc.	207
253	*253*	**Worsted goods** (*see also* **Knit goods; Woolen goods**) All kinds of woven fabrics, in the piece or otherwise, braids, webbing, cords, etc., and yarns and waste for sale, made from wool, mohair, or other hair; tops made from wool, mohair, or other hair, or a combination of these materials with one another or with cotton, silk, or other fiber.	207

Industry Group 3.—FOREST PRODUCTS

OFFICE GROUP 4

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
301	*401*	**Baskets and rattan and willow ware, not including furniture.** Baskets of all kinds, including fruit and berry baskets and boxes; coffee drums; laundry hampers; and, in general, small articles made of veneer, reed, rattan, and willow. (Rattan and willow furniture is classified under Furniture.)	301
302	*402*	**Billiard and pool tables, bowling alleys, and accessories.** Billiard, pool, and bagatelle tables, billiard cues and chalk, pool pockets, cue tips, pool balls, bowling alleys, bowling-alley accessories, etc.	302
303	*403*	**Boxes, cigar, wooden** (*see also* **Boxes, paper and other**). All wooden boxes in which cigars are packed and from which they must be sold.	301
304	*404*	**Boxes, wooden, except cigar boxes** (*see also* **Planing-mill products**). Wooden boxes and cases; box shooks; trunk slats; crates for butter, fruits, berries, and vegetables; cases for eggs and canned goods; carrier trays; wooden storage-battery boxes; fancy boxes of wood covered with cretonne, silk, etc.	301
305	*405*	**Caskets, coffins, burial cases, and other morticians' goods.** Caskets and coffins, whether of wood or of metal; burial cases; shipping cases; and morticians' supplies and accessories, such as burial garments, gloves, and slippers, casket linings and draperies, ambulance baskets, door draperies, lowering devices, couches, embalming tables, and embalming fluids.	305
306	*406*	**Cooperage** (*see also* **Wood turned and shaped and other wooden goods**). Casks, kegs, tierces, barrels, hogsheads, wooden tubs, tanks, vats, and similar containers made of staves. (Staves, heading, and hoops—the cooperage stock—are products of the "Lumber and timber products" industry.)	306
307	*407*	**Cork products.** Bottle corks, life preservers, cork board for insulation, cork tips, and other articles made of cork.	307
308	*408*	**Excelsior.** Excelsior and excelsior pads, wrappers, etc.	308
309	*409*	**Furniture, including store and office fixtures** (*see also* **Planing-mill products; Mattresses and bed springs; Refrigerators and refrigerator cabinets**). All classes of wood and metal furniture, including hammocks, furniture ornaments, store and office fixtures, show cases, display cases, wall cases, and cabinets.	309
310	*410*	**Lasts and related products.** Lasts for boots and shoes, shoe-trees, shoe stretchers, display forms for boots and shoes, etc.	320

INDUSTRY GROUP 3.—FOREST PRODUCTS—Continued

OFFICE GROUP 4—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
311	*411*	**Lumber and timber products, not elsewhere classified** (*see also* **Planing-mill products**) Logging camps, producing logs, bolts, and rough timber products, such as hewn crossties, poles, posts, mine timbers, wheel and handle stock, excelsior stock, etc.; sawmills, producing rough lumber, laths, shingles, staves, heading, hoops, veneer stock, veneers, and other products from logs and bolts. Planing mills operated in conjunction with *sawmills are to be included in this classification, but independent* planing mills should be classified in "Planing-mill products."	311
312	*413*	**Matches**	312
313	*414*	**Mirror and picture frames** (*see also* **Planing-mill products**) Frames and finished picture moldings, chiefly of wood, for mirrors, pictures, photographs, and medallions. (The unfinished moldings of which the frames are made are, as a rule, planing-mill products.) Establishments engaged in framing pictures, etc., to individual order are *not* to be included.	313
314	*418*	**Planing-mill products (including general millwork), not made in planing mills connected with sawmills** (*see also* **Boxes, wooden, except cigar boxes; Furniture; Lumber and timber products; Wood, turned and shaped**) Dressed lumber, sash, doors, blinds, moldings, panels, wood mantels, brackets, stair work, door and window frames, and all classes of general millwork.	314
315	*415*	**Pulp goods** Imitation wood carving, pails, dishes, tubs, boxes, and other articles of this character made from wood pulp or paper chemically treated.	100
316	*416*	**Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment** Refrigerators, ice boxes, and refrigerator show cases, counters, and cabinets; water coolers. This classification does not cover mechanically-operated (electric) and heat-operated refrigerating equipment or units for commercial or household use, which are classified in the "Refrigerators, mechanical" industry; nor ice-making machinery for use in ice factories, which is classified in the "Foundry and machine-shop products" industry.	*309
317	*419*	**Turpentine and rosin** (*see also* **Wood distillation and charcoal manufacture**) Spirits of turpentine and rosin made by distillation of the resinous exudation of the pine tree.	317
318	*420*	**Window and door screens and weather strip** Window screens, door screens, and weather strip, irrespective of the material used.	318
	423	*Wooden goods, not elsewhere classified. Abandoned as a separate industry classification; combined with "Wood, turned and shaped, not elsewhere classified. See No. 320, "Wood turned and shaped and other wooden goods, not elsewhere classified."*	

Industry Group 3.—Forest Products—Continued

OFFICE GROUP 4—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
319	*421*	**Wood preserving** Treatment of wood to prevent decay and for protection against fire, worms, etc. Products include railway ties, paving blocks, etc.	319
320	*422* *423*	**Wood turned and shaped and other wooden goods, not elsewhere classified (*see also* Cooperage; Planing-mill products).** Bobbins, bowls, bungs, brush blocks, dowels, handles, marquetry, oars, rollers, rolling pins, spools, picker sticks for looms, and other turned and shaped wooden articles and wood carvings; also miscellaneous articles such as wooden dishes, trays, meat boards toothpicks, washboards, clothespins, ironing boards and tables, grain measures, tailors' pressing blocks, flagpoles, masts and spars, ladders, etc.	320
	422	*Wood, turned and shaped, not elsewhere classified. Abandoned as a separate industry classification; combined with "Wooden goods, not elsewhere classified." See No. 320, "Wood turned and shaped and other wooden goods, not elsewhere classified."*	
		SPECIAL INQUIRIES	
		Decennial:	
376	*476*	**Mine timbers used underground (1923–1933, etc.)**	376
		Biennial:	
378	*478*	**Crossties purchased**	378
377	*477*	**Poles purchased**	377
379	*479*	**Vegetable materials used by tanners**	379
		Annual:	
380	*480*	**Lumber, lath, and shingles, production of**	380
381	*481*	**Pulpwood consumption and wood-pulp production**	381

Industry Group 4.—PAPER AND PAPER PRODUCTS

OFFICE GROUPS 4 AND 6

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
401	*701*	**Bags, paper, exclusive of those made in paper mills**	401
402	*703*	**Boxes, paper, not elsewhere classified** (*see also* **Fancy and miscellaneous articles; Jewelry and instrument cases**) Plain and metal-edged boxes, made of paper, news board, or cardboard, for confectionery, millinery, cigarettes, lunches, druggists' preparations, silverware, etc.	401
403	*705*	**Cardboard, not made in paper mills** (*see also* **Paper**)	401
404	*704*	**Card cutting and designing** Jewelers' cards; index cards for office and library cabinets; Jacquard cards; fancy cards; stencil cards for addressing machines; photograph mats, mounts, and folders; cardboard panels and foundations; etc.	401
405	*709*	**Envelopes** (*see also* **Stationery goods**)	401
406	*710*	**Labels and tags** (*see also* **Engraving and diesinking; Hand stamps and stencils and brands; Printing and publishing, book and job**) Labels and tags of paper, celluloid, metal, cardboard, etc.; baggage and other checks, door and name plates, metal badges and checks; labels for clothing; patent indexes; laundry and shipping tags; pin tickets, etc.	401
407	*712*	**Paper** All kinds of paper and paper boards, such as newsprint, book, cover, writing, wrapping, tissue, absorbent, and building papers. Converted-paper products *made in paper mills* are to be included in this classification. An independent factory making converted-paper products should be given its specific industry classification.	407
408	*713*	**Paper goods, not elsewhere classified** (*see also* **Stationery goods**) Crêpe paper; surface-coated paper; glazed, waxed, oiled, waterproof, and corrugated paper; tar, fly, and toilet paper; paper lace; cigarette paper; playing cards; confetti; milk-bottle caps, etc.	401
409	*714*	**Paper patterns** All kinds of patterns, fashion plates, etc., made from paper.	401
410	*724*	**Pulp (wood and other fiber)** Wood pulp, mechanical and chemical; other pulp. Establishments making wood flour are classified in this industry.	410
411	*722*	**Wall paper** Establishments engaged chiefly in the designing of patterns and the printing of paper used to cover interior walls and ceilings. (The paper itself, designated as "hanging paper," is made in paper mills.)	401

Industry Group 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES

OFFICE GROUPS 4 AND 6

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
501	*702*	**Bookbinding and blank-book making** (*see also* **Printing and publishing—three classifications**) Bookbinding and blank-book making; embossing; book gilding; paper ruling; paper cutting; card, book, and paper edging; card beveling and bronzing; mounting of woolen and other samples; show-card mounting; etc.	100
502	*723*	**Engravers' materials** Copper, zinc, steel, and other metal plates for engravers' use; wood blocks, for use in wood engraving and photo-engraving; lithographic stones; etc.	100
503	*706*	**Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking** (*see also* **Hand stamps and stencils and brands; Labels and tags**) Engraving, chasing, and etching on jewelry and silverware, notarial seals, fancy metals, etc., for purposes other than printing; diesinking.	100
504	*707*	**Engraving, steel and copperplate, and plate printing** (*see also* **Lithographing; Photo-engraving**) Engraving on steel or copper for cards, music, plate engraving, fine stationery work, etchings, illustrations, etc., and generally all engraving of this character which may be associated with printing.	100
505	*708*	**Engraving, wood** Wood engraving (generally wood cuts for use in printing).	100
506	*711*	**Lithographing** (*see also* **Photo-engraving; Printing and publishing—three classifications**) Establishments engaged primarily in photolithographing, in lithographing on paper, tin, etc., and in drawing or transferring designs or preparing stones or plates used in lithographing.	100
507	*715*	**Photo-engraving, not done in printing establishments** (*see also* **Lithographing; Stereotyping and electrotyping**) Photogravures and similar transfer work; products include reproductions of photographs, maps, charts, diagrams, post cards, fashion plates, art pictures, drawings, half tones, line plates, and illustrations of all sorts.	100
508	*716*	**Printing and publishing, book and job** (*see also* **Bookbinding and blank-book making; Printing and publishing, music; Printing and publishing, newspaper and periodical**) Establishments engaged primarily in (*a*) job printing; (*b*) printing and publishing of books and pamphlets; (*c*) publishing, but not printing, books and pamphlets; (*d*) linotype work or typesetting. (*a*) Job printing. (*b*) Book publishing and printing. (*c*) Book publishing without printing. (*d*) Linotype work, typesetting, etc.	508
509	*717*	**Printing and publishing, music** (*see also* **Printing and publishing, book and job; Printing and publishing, newspaper and periodical**) Books of music and sheet music. (*a*) Printing and publishing. (*b*) Publishing without printing.	508

INDUSTRY GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES—Continued

OFFICE GROUPS 4 AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
510	*718*	**Printing and publishing, newspaper and periodical** (*see also* **Bookbinding and blank-book making; Printing and publishing, book and job**) Establishments engaged primarily in the preparation, printing, and publishing, or in the preparation and publishing but not the printing, of newspapers and periodicals. Some of these establishments also do job printing; but establishments engaged primarily in job printing should be classified under "Printing and publishing, book and job." (Care should be taken to see that the information called for by sections A and B of Inquiry 9 has been supplied.) 1.—Newspapers: (*a*) Printing and publishing. (*b*) Publishing without printing. 2.—Periodicals: (*a*) Printing and publishing. (*b*) Publishing without printing.	508
511	*719*	**Printing materials, not including type or printing ink** (*see also* **Foundry and machine-shop products; Ink, printing; Type founding**) Composing rules and sticks, mallets, planes, chases, quoins, type cases, galleys, printers' rollers, blocks, plate hooks, locking devices, etc.	100
512	*720*	**Stereotyping and electrotyping, not done in printing establishments** (*see also* **Printing and publishing—three classifications; Printing materials; Type founding**)	100
513	*721*	**Type founding** (*see also* **Printing materials; Stereotyping and electrotyping**) Type, brass rules, leads, slugs, etc.	100

Industry Group 6.—CHEMICALS AND ALLIED PRODUCTS

OFFICE GROUP 5

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
601	821	**Alcohol, ethyl** Ethyl or grain alcohol, including denatured.	100
602	801	**Ammunition and related products** (*see also* **Explosives; Firearms; Fireworks**) Ammunition for small arms and artillery; also fuses, blasting and detonating caps, miners' squibs, naval and railroad torpedoes, fog and danger signals, etc. (Dynamite and other explosives for agricultural use and "cartridges" *for use in oil wells are classified under "Explosives,"* and fireworks are classified separately as such.)	602
603	802	**Baking powders, yeast, and other leavening compounds** (*see also* **Flavoring extracts, flavoring sirups, and bitters**) Baking powders, yeast (dry, compressed, and liquid), and other leavening compounds. (*a*) Baking powders. (*b*) Yeast and other leavening compounds.	603
604	803	**Blacking, stains, and dressings** (*see also* **Boot and shoe findings; Cleaning and polishing preparations**) Blackings, waxes, stains, dressings, and polishes for leather, boots and shoes, harness, and belting; stove polish; burnishing inks; enameled dressings for automobile and carriage tops, etc.	100
605	804	**Bluing** Laundry bluing, soluble and liquid, aniline blue, etc., made principally from indigo and Prussian blue.	100
606	805	**Bone black, carbon black, and lampblack** (*see also* **Chemicals; Paints and varnishes**) (*a*) Bone black. (*b*) Carbon black. (*c*) Lamp black.	606
607	806	**Candles** (*see also* **Grease and tallow; Petroleum refining; Soap**) Candles made of spermaceti, paraffin, wax, tallow, stearine, etc.	100
608	807	**Chemicals, not elsewhere classified** (*see also* **Coke; Compressed and liquefied gases; Druggists' preparations; Explosives; Fertilizers; Gas, manufactured; Oils, essential; Paints and varnishes; Patent and proprietary medicines and compounds; Rayon and allied products; Tanning materials, natural dyestuffs, mordants and assistants, and sizes; Turpentine and rosin; Wood distillation and charcoal manufacture**) All chemicals except those produced in the allied industries specified above. They are grouped under six heads, namely: (I) Acids. (II) Nitrogen compounds, including ammonium and cyanogen compounds. (III) Sodium compounds. (IV) Potassium compounds, including potash from original sources. (V) General inorganic compounds, including alums and the various salts and compounds of metals (antimony, arsenic, copper, gold, iron, etc.), rare earths, insecticide chemicals, etc. (VI) General organic compounds, including the alkaloids and their salts; coal-tar crudes, intermediates, and finished	608

INDUSTRY GROUP 6.—CHEMICALS AND ALLIED PRODUCTS—Con.

OFFICE GROUP 5—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
608	807	**Chemicals, not elsewhere classified**—Continued. coal-tar products; synthetic photographic chemicals, flavors, essential oils, perfumes, narcotics, pharmaceuticals, etc.; plastics, such as the pyroxylin plastics, rubber substitutes, etc., including finished goods made by the establishment that makes the plastic; formaldehyde; glycerin; carbon products; ether; acetone; etc.	
609	808	**Cleaning and polishing preparations** (*see also* **Blacking, stains, and dressings**) Preparations for cleaning and polishing furniture, floors, wall paper, gloves and other wearing apparel, metal ware, and cars; automobile body polish; paint and varnish removers; rust and stain removers; washing, ironing, sweeping, and scouring compounds; laundry tablets; floor wax; eyeglass and windshield cleaners; copper cloth; steel wool; etc.	609
610	840	**Compressed and liquefied gases** Acetylene (when sold in containers), chlorine, hydrogen, nitrous oxide (laughing gas), oxygen, sulphur dioxide, and other gases, compressed and liquefied.	610
611	811	**Druggists' preparations** (*see also* **Chemicals; Patent and proprietary medicines and compounds; Perfumes, cosmetics, and other toilet preparations**) Serums, vaccines, and toxins; capsules (filled or empty), tablets, pills, pepsin, tinctures, medicinal plasters, cough sirups, ointments, and other pharmaceuticals.	611
612	810	**Drug grinding** Establishments engaged in grinding drugs of all kinds, sometimes known as "drug millers."	100
613	813	**Explosives** (*see also* **Ammunition and related products; Chemicals; Firearms**) Blasting powder, gunpowder (black), nitroglycerin, dynamite, guncotton or pyroxylin, smokeless powder, fulminating mercury, permissible explosives, etc.	613
614	814	**Fertilizers** (*see also* **Meat packing; Oil, cake, and meal, cottonseed**) Superphosphates from minerals, bones, etc.; ammoniated fertilizers, concentrated phosphate, complete fertilizers, fish scrap, etc.	614
615	815	**Fireworks** Display fireworks of all kinds, such as air and toy torpedoes, bombs, shells, wheels, torches, rockets, colored fire, sparklers, and firecrackers.	100
616	817	**Glue and gelatin** (*see also* **Fertilizers; Meat packing**) Glue (flexible and liquid), gelatin, and glue jelly or paste, derived from hides, fleshings, and fish.	616
617	818	**Grease and tallow, not including lubricating greases** (*see also* **Candles; Fertilizers; Lubricating oils and greases; Meat packing; Soap**)	617
618	819	**Ink, printing** Printing and lithographing inks.	100

INDUSTRY GROUP 6.—CHEMICALS AND ALLIED PRODUCTS—Con.

OFFICE GROUP 5—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
619	*820*	**Ink, writing** Writing ink and fluids, indelible ink, etc.	100
620	*823*	**Liquors, vinous** Wines, still and effervescing.	100
621	*825*	**Mucilage, paste, and other adhesives, except glue and rubber cement** (*see also* **Glue and gelatin**) Mucilage, paste, mending cement, sealing wax, pneumatic-tire fillers, and other adhesives, except glue, which has a separate classification.	100
622	*826*	**Oil, cake, and meal, cottonseed** Cottonseed oil, either crude or refined, and such by-products as meal and cake, hulls, linters, and grabbots.	622
623	*827*	**Oil, cake, and meal, linseed** Linseed oil, made from flaxseed, and such by-products as flaxseed cake and meal.	623
624	*828*	**Oils, essential** (*see also* **Perfumes, cosmetics, and other toilet preparations**) Volatile oils from plants, such as peppermint, spearmint, sassafras, wintergreen, clove, lemon, aniseed, bergamot, lavender, orange, patchouli, witch-hazel, etc.	624
625	*829*	**Oils, not elsewhere classified** Castor oil, cocoanut oil, peanut oil, fish oils, etc.	*625
626	*830*	**Paints and varnishes** (*see also* **Chemicals**) Colors and pigments, paints in oils, ready-mixed paints, water paints, kalsomine, stains, fillers, putty, varnishes, japans, lacquers, etc.	626
627	*831*	**Patent and proprietary medicines and compounds** (*see also* **Chemicals; Druggists' preparations; Perfumes, cosmetics, and other toilet preparations**) Medicines and compounds for either man or animal, sold under the protection of patents, copyrights, or trademarks, or prepared according to secret formulas, including medicines of a proprietary character, not necessarily patented, and compounds or products handled by the pharmaceutical trade, not otherwise provided for, such as insect powders, corn cures, liver pads, household ammonia, disinfectants, boiler compounds, fire-extinguishing compounds, etc.	611
628	*832*	**Perfumes, cosmetics, and other toilet preparations** (*see also* **Chemicals; Druggists' preparations; Oils, essential; Soap**) Cologne, toilet water, face powders, washes and lotions, hair tonics, skin emollients, shaving cream, tooth paste and powder, bay rum, etc.	611
629	*839*	**Rayon and allied products** Rayon and allied products in yarn, sheet, or other form.	629
630	*834*	**Salt** Table, packers', rock, and other grades of salt, whether obtained by mining or by evaporation.	100

INDUSTRY GROUP 6.—CHEMICALS AND ALLIED PRODUCTS—Con.

OFFICE GROUP 5—Continued

Industry number		CLASSIFICATION	Form No.
1929	Old		
631	*835*	**Soap** (*see also* **Candles; Grease and tallow; Perfumes, cosmetics, and other toilet preparations; Meat packing**)..... Hard, soft, cake, bar, powdered, liquid, and other soaps.	631
	836	*Sulphuric, nitric, and mixed acids. Abandoned as a separate industry classification; included with No. 608, "Chemicals, not elsewhere classified."*	
632	*812*	**Tanning materials, natural dyestuffs, mordants and assistants, and sizes** (*see also* **Chemicals; Paints and varnishes**)..... Oak, chestnut, hemlock, and other tanning extracts; chrome tannage and other tanning materials; natural dyestuffs, of logwood, fustic, quercitron, etc.; mordants, such as tannic acid, iron liquor, etc.; assistants; and sizes.	632
633	*838*	**Wood distillation and charcoal manufacture** (*see also* **Turpentine and rosin**)..... Methanol (wood alcohol), charcoal, turpentine, tar, acetone, acetate of lime, etc., made by the distillation of wood through the use of either the destructive or the steam process; charcoal produced by the charring of wood without recovery of the volatile products. (*a*) Wood distillation. (*b*) Charcoal.	633

Industry Group 7.—PRODUCTS OF PETROLEUM AND COAL

OFFICE GROUP 5—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
701	*809*	**Coke, not including gas-house coke** (*a*) Beehive ovens. (*b*) By-product ovens.	701
702	*1615*	**Fuel, manufactured** Briquettes and boulets made from anthracite culm, bituminous slack, peat, etc., mixed with tar or pitch as a binder; charcoal briquettes; powdered fuel.	100
703	*816*	**Gas, manufactured, illuminating and heating** (*see also* **Compressed and liquefied gases,** for gas compressed and sold in containers) Gas and its by-products made from coal, coke, oil, gasoline, or calcium carbide (acetylene) and *distributed through mains.* (Establishments engaged solely in the production of *natural gas,* and those engaged solely in the *distribution* of gas, either natural or manufactured, are not manufacturing establishments and therefore are not included in this industry. Establishments which manufacture gas of any kind for sale in containers, in compressed or liquefied form, are classified in the Compressed and liquefied gases industry.)	703
704	*824*	**Lubricating oils and greases, not made in petroleum refineries** (*see also* **Grease and tallow; Petroleum refining**) Lubricating oils, not made in petroleum refineries; axle grease; and other hard and soft lubricating greases.	100
705	*833*	**Petroleum refining**	705

Industry Group 8.—RUBBER PRODUCTS

OFFICE GROUP 5

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
801	*602*	**Boots and shoes, rubber** Rubber boots, shoes, overshoes, and canvas shoes with rubber soles.	801
802	*603*	**Rubber goods, other than tires, inner tubes, and boots and shoes** (*see also* **Suspenders, garters, and other elastic woven goods**) Rubber belting and hose; balata belting; rubberized fabrics and cloth; druggists' and stationers' sundries, such as rubber brushes, rubber bands, rubber type, etc.; rubber mats, hard-rubber goods; rubber heels and soles; etc.	*801*
803	*604*	**Rubber tires and inner tubes** Pneumatic tires and inner tubes for automobiles, motor cycles, bicycles, etc.; solid and cushion rubber tires for trucks and other vehicles.	801

Industry Group 9.—LEATHER AND ITS MANUFACTURES

OFFICE GROUPS 2 AND 5

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisks, see p. 15]	Form No.
901	*501*	**Belting, leather** (*see also* **Leather: Tanned, curried, and finished**) All kinds of leather belting, used for the transmission of power.	901
902	*502*	**Boot and shoe cut stock, not made in boot and shoe factories** (*see also* **Boot and shoe findings; Boots and shoes, other than rubber**) Soles, tips, heels, top lifts, inner soles, uppers, etc.	100
903	*503*	**Boot and shoe findings, not made in boot and shoe factories** (*see also* **Boot and shoe cut stock; Boots and shoes, other than rubber; Blacking, stains, and dressings**) Shoe pegs, bows, clasps, stays, metal tips and heelplates, toe caps, buckles, boot and shoe laces, heel caps, rands, stamples, counters, shanks, wooden heels, shoe trimmings, etc.	100
904	*504*	**Boots and shoes, other than rubber** Boots, shoes (high and low cut), pumps, slippers, sandals, putties, leggings, overgaiters, and allied footwear, made of leather, felt (purchased), canvas, or other textile fabrics. Establishments engaged in contract work on materials furnished by others, in connection with the manufacture of boots, shoes, etc., are also included in this industry. (Felt shoes, etc., made in mills which manufacture the felt are classified in "Felt goods.")	904
905	*505*	**Gloves and mittens, leather** (*see also* **Furnishing goods, men's; Gloves and mittens, cloth or cloth and leather combined**) Men's, boys', women's, and children's leather gloves and mittens, lined and unlined.	224
906	*506*	**Leather goods, not elsewhere classified** (*see also* **Gloves and mittens, leather; Pocketbooks, purses, and cardcases; Saddlery and harness; Trunks, suitcases, and bags**) Miscellaneous leather products not classified in other industries; for example, belts (for wear on the person), handles, corners, and straps for luggage, dog furnishings, cigar and cigarette cases, vanity cases, key cases, leather check-book covers, desk sets, embossed leather, burnt-leather goods, leather washers, razor strops, etc.	*906
907	*507*	**Leather: Tanned, curried, and finished** Rough leather, sole leather, upper leather, morocco and colored skins, horsehides, calf and kip skins, goatskins and sheepskins; belting, harness, carriage, trunk, bag and pocketbook, bookbinders', and furniture leather; leather for gloves, mittens, etc.	907
908	*508*	**Pocketbooks, purses, and cardcases** (*see also* **Leather goods; Trunks, suitcases, and bags**) Pocketbooks, bill folds, cardcases, coin purses, women's purse-hand-bags, etc.	*908
909	*509*	**Saddlery and harness** (*see also* **Leather goods**) Saddlery and parts, harness and parts, halters, horse boots, turf goods, feed bags, etc.	100
910	*510*	**Trunks, suitcases, and bags** (*see also* **Leather goods; Pocketbooks, purses, and cardcases**) Trunks, valises, suitcases, traveling bags, satchels, carrying cases, brief cases, Boston bags, hat boxes, luncheon kits, etc., irrespective of the materials from which made.	100

Industry Group 10.—STONE, CLAY, AND GLASS PRODUCTS

OFFICE GROUPS 5 AND 6

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1001	*902*	**Asbestos products, other than steam packing or pipe and boiler covering** (*see also* **Steam and other packing, pipe and boiler covering, and gaskets**) Asbestos building materials, such as roofing, sheathing, siding, and flooring; other asbestos products, such as table mats and pads, holders for flatirons, packing for ice boxes and refrigerating cars, antifriction facings and linings, and insulating material.	1001
1002	*903*	**Cement** Portland cement; hydraulic, fireproof, and slag cement, etc.	1002
1003	*904*	**China firing and decorating, not done in potteries** (*see also* **Pottery, including porcelain ware**) China firing and decorating for the trade. (Small establishments engaged in such work for private customers or to individual order are not included.)	100
1004	*905*	**Clay products (other than pottery) and nonclay refractories** (*see also* **Pottery, including porcelain ware; Sand-lime brick**) Building brick, fancy and ornamental brick, vitrified brick, fire brick, sewer pipe, draintile, etc., and other refractories.	1004
1005	*901*	**Concrete products** (*see also* **Marble, granite, slate, and other stone products**) Building blocks, building trimmings, cement roofing tile, etc., and other articles, such as laundry tubs, burial vaults, etc., manufactured from a combination of stone or gravel and sand, with cement.	1005
1006	*906*	**Crucibles** Crucibles of all sizes, made largely from fire clay, German clay, kaolin, and plumbago.	100
1007	*907*	**Emery wheels and other abrasive and polishing appliances** (*see also* **Dental goods; Grindstones, pulpstones, and millstones; Hones, whetstones, and similar products**) Abrasive wheels, whether of emery, corundum, or other material; polishing and buffing wheels, belts, and disks.	100
1008	*908*	**Glass** Building glass, pressed and blown glass, wire glass, etc., and glass containers of all kinds.	1008
1009	*909*	**Glass cutting, staining, and ornamenting** (*see also* **Glass**) Glass cutting, glass beveling, bending sheet glass, engraving on glass, making glass labels, staining and ornamenting glass, and manufacturing safety glass.	100
1010	*910*	**Graphite, ground and refined** (*see also* **Pencils, lead**) The extraction from the ore and the refining of graphite (plumbago or black lead).	100
1011	*911*	**Grindstones, pulpstones, and millstones**	100
1012	*912*	**Hones, whetstones, and similar products** (*see also* **Emery wheels and other abrasive and polishing appliances**) Hones, whetstones, oilstones, scythestones, lawn-mower sharpeners, rubbing stones for hardware finish, rubbing brick, shoemakers' sandstones, etc.	100

NDUSTRY GROUP 10.—STONE, CLAY, AND GLASS PRODUCTS—Continued

OFFICE GROUPS 5 AND 6—Continued

Industry number 929	Industry number Old	CLASSIFICATION	Form No.
013	*913*	**Lime**	1013
014	*914*	**Marble, granite, slate, and other stone products** Monuments, tombstones, and other articles for cemetery uses; roofing slate, slate blackboards, and other slate work; builders' and plumbers' marble, granite, and other stone work; soapstone work; all other stone work, except millstones, grindstones, pulpstones, and hones and whetstones.	1014
015	*915*	**Minerals and earths, ground or otherwise treated** Ground or pulverized earths, rocks, and minerals, such as emery, flint, barytes, manganese, chalk, talc, feldspar, sandstone, kaolin, mica, fuller's earth, pumice, slate, etc.	100
016	*916*	**Mirrors, framed and unframed** (*see also* **Furniture**)	1016
017	*917*	**Pottery, including porcelain ware** [*see also* **Clay products (other than pottery) and nonclay refractories**] Stoneware, red earthenware, white ware, china, bone china, delft, Belleek ware, sanitary ware, etc.	1004
018	*918*	**Sand-lime brick** [*see also* **Concrete products; Clay products (other than pottery) and nonclay refractories**] Bricks made from a combination of sand and lime.	1018
019	*919*	**Statuary and art goods, factory product** (*see also* **Marble, granite, slate, and other stone products**) The *factory manufacture* of such products as statues, vases, urns, brackets, garden and lawn furniture, flower boxes, fountains, plaques, mantels, columns, panels, moldings, pedestals, ornamental plaster work, architectural sculptures, small images, scagliola, church statuary, bronze statuary, and pâpier-mâché articles.	100
020	*920*	**Wall plaster, wall board, and floor composition** Gypsum plaster and other ready-mixed wall plasters and similar preparations, such as hard wall plaster, plaster wainscoting, fiber plaster, stucco, calcined plaster, molding plaster, plaster board, asphalt mastic, and ornamental plaster work for interior decoration; gypsum wall board and other wall boards, not made in paper mills; insulating board not made in paper mills; floor composition; etc.	1020
		SPECIAL INQUIRIES[1]	
		Annual:	
004	*905*	**Production and stocks of clay products (other than pottery) and nonclay refractories**	1004
017	*917*	**Production and stocks of pottery manufactures, including porcelain ware**	1004
018	*918*	**Production and stocks of sand-lime brick**	1018

[1] In odd-numbered years these inquiries are merged in the biennial census inquiries; even-numbered years special forms calling for data on production and stocks only are used.

Industry Group 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY

OFFICE GROUP 3

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1101	308	**Bolts, nuts, washers, and rivets, not made in rolling mills** (*see also* **Iron and steel: Steel works and rolling mills**)	1101 [illegible]
1102	309	**Cast-iron pipe** Cast-iron gas, water, soil, and other cast-iron pipe.	1102
1103	301	**Cutlery (not including silver and plated cutlery) and edge tools** (*see also* **Hardware; Saws; Tools**) Knives, razors, scissors, shears, augers, gimlets, planes, meat choppers, axes, hatchets, and implements of a similar character. Does not include silver, nickel-silver, or plated knives, forks, etc., which are classified under "Plated ware" or "Silver-smithing and silverware."	1103
1104	310	**Doors, shutters, and window sash and frames, metal** (*see also* **Foundry and machine-shop products; Structural and ornamental iron and steel work**)	*1122
1105	302	**Files** (*see also* **Hardware; Tools**) The manufacture and recutting of files, rasps, etc.	1103
1106	303	**Firearms** (*see also* **Ammunition and related products**) Rifles, shotguns, revolvers, pistols, stocks, parts, etc.	602
1107	311	**Forgings, iron and steel, not made in steel works or rolling mills** (*see also* **Iron and steel: Steel works and rolling mills**) Light and heavy drop and steam-hammer forgings, chains, anchors, axles, car wheels, frogs, etc.	100
1108	304	**Galvanizing and other coating, not done in rolling mills** Galvanizing or coating sheet steel or iron or formed products with zinc; coating sheet steel or iron or formed products with aluminum and lead; retinning of cans and utensils.	100
1109	305	**Hardware, not elsewhere classified** (*see also* **Cutlery and edge tools; Files; Nonferrous-metal alloys and products; Saws; Screw-machine products; Sporting and athletic goods; Tools, not including edge tools, machine tools, files, or saws**) Locks, car seals, seal presses, brackets, andirons and fireplace goods, and trunk trimmings; builders', cabinet, saddlery, harness, car, carriage, casket, furniture, piano, and organ hardware; vacuum bottles and containers.	1109
	306	*Horseshoes, not made in rolling mills. Abandoned as a separate industry classification; combined with No. 1107, "Forgings, iron and steel, not made in steel works or rolling mills."*	
1110	307	**Iron and steel: Blast furnaces** Pig iron and blast-furnace ferro-alloys.	111[illegible]
1111	313	**Iron and steel, processed** Establishments engaged chiefly in casehardening, tempering, rustproofing, or otherwise specially treating iron or steel.	10[illegible]

Industry Group 11.—Iron and Steel and Their Products, Not Including Machinery—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1112	*314*	**Iron and steel: Steel works and rolling mills** Establishments engaged in the manufacture of steel or in the rolling of hot iron and steel. Products include steel ingots and direct steel castings; rolled iron and steel, such as rails, splice bars, rail joints, bars and rods, tin-plate bars, wire rods, structural shapes, hoops, bands, and cotton ties; plates and sheets, including black plates and sheets for tinnings; nail and tack plates; car axles, rolled and hammered; car wheels; armor plate; gun forgings, etc.	1112
1113	*312*	**Nails, spikes, etc., not made in rolling mills or wire mills** (*see also* **Iron and steel: Steel works and rolling mills; Wire, drawn from purchased bars or rods**)	1113
	317	*Pens, steel and brass. Abandoned as a separate industry classification; combined with "Pens, gold" and "Pens, fountain and stylographic." See No. 1634, "Pens, fountain and stylographic; pen points, gold, steel, and brass."*	
1114	*318*	**Plumbers' supplies, not including pipe or vitreous-china sanitary ware** (*see also* **Cast-iron pipe; Foundry and machine-shop products; Marble, granite, slate, and other stone products; Nonferrous-metal alloys and products; Stamped ware, enameled ware, and metal stamping, etc.; Wrought pipe**) Bath and laundry tubs, bathroom and laundry equipment and fittings of all descriptions, kitchen and pantry sinks, range boilers, flush valves, faucets, pipe hangers, and kindred products.	1114
1115	*319*	**Safe and vaults** Safes and vaults, safe-deposit boxes and chests, vault doors and linings, safe and vault locks, etc.	100
1116	*320*	**Saws** (*see also* **Cutlery and edge tools; Tools**)	1103
	321	*Screw-machine products. Abandoned as a separate industry classification; combined with "Screws, wood." See No. 1117, "Screw-machine products and wood screws."*	
1117	*321* *322*	**Screw-machine products and wood screws** (*see also* **Bolts, nuts, washers, and rivets; Hardware**) Machine screws and a great variety of special parts (most of which are threaded) made on "screw machines", and wood screws.	1101
	322	*Screws, wood. Abandoned as a separate industry classification; combined with "Screw-machine products." See No. 1117, "Screw-machine products and wood screws".*	
1118	*323*	**Springs, steel, except wire, not made in rolling mills** (*see also* **Carriage, wagon, sleigh, and sled materials; Iron and steel: Steel works and rolling mills; Motor-vehicle bodies and motor-vehicle parts**) Leaf springs—railway, motor-vehicle, carriage, wagon, etc.; hot-wound springs, railway and other; flat springs, coiled. (Does not include the manufacture of light coiled springs, which are products of the Wirework, not elsewhere classified, industry.)	1118

Industry Group 11.—Iron and Steel and Their Products, Not Including Machinery—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1119	324	**Steam fittings and steam and hot-water heating apparatus** [*see also* **Foundry and machine-shop products; Stoves and ranges (other than electric) and warm-air furnaces**] Hot-water and steam heating apparatus, radiators, valves, gauges, coils, thermostats, etc.	1119
1120	325	**Steel barrels, kegs, and drums** Portable iron and steel barrels, kegs, and drums, for shipping and storage purposes.	100
	326	*Stoves and appliances, gas and oil. Abandoned as a separate industry classification; combined with "Stoves (other than gas, oil, or electric) and warm-air furnaces." See No. 1121, "Stoves and ranges (other than electric) and warm-air furnaces."*	
1121	326	**Stoves and ranges (other than electric) and warm-air furnaces. (Old numbers 326 and 327 combined.)** (*See also* **Steam fittings and steam and hot-water heating apparatus**) All heating and cooking appliances using coal, gas, oil, or other fuel. These include, among others, heating and cooking stoves, ranges, and furnaces; gas fireplaces, logs, and grates; gas and oil water heaters, hot-water tanks; gas pressing irons, hot plates, soldering furnaces, etc.; and Bunsen burners.	1119
	327	*Stoves (other than gas, oil, or electric) and warm-air furnaces. Abandoned as a separate industry classification; combined with "Stoves and appliances, gas and oil." See No. 1121, "Stoves and ranges (other than electric) and warm-air furnaces."*	
1122	328	**Structural and ornamental iron and steel work, not made in rolling mills** (*see also* **Foundry and machine-shop products; Iron and steel: Steel works and rolling mills**) Girders, columns, trusses, grilles, railings, fire escapes, and other builders' ironwork, structural and ornamental.	*1122
1123	330	**Tin cans and other tinware, not elsewhere classified** (*see also* **Copper, tin, and sheet-iron work; Stamped ware, enameled ware, and metal stamping, etc.**) Plain and decorated tin cans, pails, boxes, and packages; milk cans and ice-cream cans; steam cookers, boilers, and household and cooking utensils; and other tinware not elsewhere classified.	1123
1124	329	**Tin plate and terneplate, not made in rolling mills** (*see also* **Iron and steel: Steel works and rolling mills**) Establishments engaged in the coating of purchased black plates with tin or terne mixture.	1124
1125	331	**Tools, not including edge tools, machine tools, files, or saws** (*see also* **Cutlery and edge tools; Files; Hardware; Machine tools; Saws**) Stone and marble cutting tools, spirit levels, picks, plumbers' tools, jewelers' tools, ironworkers' tools, confectioners' tools, bakers' tools, shovels, spades, scoops, pressing irons, hammers, mallets, soldering irons, screw drivers, wrenches, pliers, and all tools not covered by other classifications.	1103

INDUSTRY GROUP 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY—Continued

OFFICE GROUP 3—Continued

Industry number		CLASSIFICATION	Form No.
1929	Old		
1126	*333*	**Wire, drawn from purchased bars or rods** (*see also* **Iron and steel: Steel works and rolling mills; Nonferrous-metal alloys and product(s)**)	1126
1127	*334*	***Wirework, not elsewhere classified*** (*see also* ***Mattresses*** **and bed springs; Wire, drawn from purchased bars or rods**) Barbed wire, bale ties, wire springs, poultry netting and other woven-wire fencing, wire rope and cable, wire cloth, and small manufactures of wire, such as mousetraps, bird cages, bottle stoppers, wire clasps, belt lacings, garment hangers, etc., made from purchased wire.	1127
1128	*315*	**Wrought pipe, welded and heavy riveted, not made in rolling mills** (*see also* **Iron and steel: Steel works and rolling mills**) Wrought welded pipe and boiler tubes; clinched, brazed, and heavy riveted pipe.	1102

Industry Group 12.—NONFERROUS METALS AND THEIR PRODUCTS

OFFICE GROUP 3

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisks, see p. 15]	Form No.
1201	*1001*	**Aluminum manufactures** Aluminum castings, bars, plates, and sheets; aluminum ware, such as kitchen utensils and household appliances; and other aluminum goods, such as specialties, airplane parts, engine and machine parts, etc.	1201
	1002	*Babbitt metal, white metal, type metal, and solder. Abandoned as a separate industry classification; combined with "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified" and "Lead: Bar, pipe, and sheet." See No. 1212, "Nonferrous-metal alloys and products."*	
	1004	*Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified. Abandoned as a separate industry classification; combined with "Babbitt metal, white metal, type metal, and solder" and "Lead: Bar, pipe, and sheet." See No. 1212, "Nonferrous-metal alloys and products."*	
1202	*1005*	**Clocks, clock movements, time-recording devices, and time stamps** (*see also* **Watch and clock materials and parts, except watchcases; Watches and watch movements**)	1202
*1203	*1025*	**Collapsible tubes** (*see also* **Tin and other foils**)	1208
1204	*1006*	**Copper, tin, and sheet-iron work, including galvanized-iron work, not elsewhere classified** (*see also* **Nonferrous-metal alloys and products; Roofing materials, etc.; Tin cans and other tinware**) Sinks, tanks and bins, cooking apparatus, smokestacks, stove and furnace pipes and elbows, stove and furnace casings, cornices, roofing, skylights, ventilators, corrugated-iron culverts, etc., made from sheet copper, tin plate, or sheet iron; coppersmithing and sheet-iron work, including galvanized-iron work. (Factory or shop work only.)	100
1205	*1007*	**Electroplating** Electroplating of all descriptions, such as nickel plating, silver plating, etc. In many cases this work is done on a contract basis on articles furnished by others.	100
1206	*1008*	**Fire extinguishers, chemical** Chemical engines, hose carts, and other apparatus and appliances for fire extinguishing through the use of chemicals; chemical preparations for use with such apparatus and appliances; hand grenades for fire extinguishing, etc.	100
1207	*1009* *1013*	**Gas and electric fixtures; lamps, lanterns, and reflectors** Gas fixtures, chandeliers, domes, burners, mantles, etc.; electric fixtures, holders, electroliers, brackets, portables, etc.; combination gas and electric fixtures; motor-vehicle lamps, carriage and wagon lamps, all other lamps; reflectors.	*1207
	1009	*Gas and electric fixtures, not including lamps and reflectors. Abandoned as a separate industry classification; combined with "Lamps and reflectors, not including electric bulbs." See No. 1207, "Gas and electric fixtures; lamps, lanterns, and reflectors."*	

Industry Group 12.—Nonferrous Metals and Their Products—Continued

OFFICE GROUP 3—Continued

Industry number: 1929	Industry number: Old	Classification	Form No.
1208	*1010*	**Gold leaf and foil** (*see also* **Tin and other foils**) Gold leaf and foil for decorators, dentists, etc. (made by establishments generally known as goldbeaters).	1208
1209	*1011*	**Gold, silver, and platinum, reducing and refining, not from the ore** The reduction and refining of precious metals, chiefly from the waste and sweepings of factories engaged in the manufacture of jewelry, silverware, etc.	100
1210	*1012*	**Jewelry** Rings, pins, bracelets, and chains; diamond setting and mountings; gold trimmings for umbrellas, canes, etc.; rolled plate, filled wire, etc.	1210
	1013	*Lamps and reflectors, not including electric bulbs. Abandoned as a separate industry classification; combined with "Gas and electric fixtures, not including lamps and reflectors." See No. 1207, "Gas and electric fixtures; lamps, lanterns, and reflectors."*	
	1014	*Lead: Bar, pipe, and sheet. Abandoned as a separate industry classification; combined with "Babbitt metal, white metal, type metal, and solder" and "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified." See No. 1212, "Nonferrous-metal alloys and products."*	
1211	*1015*	**Needles, pins, hooks and eyes, and snap fasteners** (*see also* **Buttons**) Machine and hand needles, knitting and sewing; toilet, hat, and safety pins, wire hairpins, etc.; glove fasteners, snap fasteners, hooks and eyes, etc.	1211
1212	*1002* *1004* *1014*	**Nonferrous-metal alloys and products** (*see also* **Gas and electric fixtures; lamps, lanterns, and reflectors; Hardware; Plumbers' supplies; Smelting and refining, metals other than gold, silver, or platinum; Wire, drawn from purchased bars or rods**) (Formerly three separate industry classifications—"Babbitt metal, white metal, type metal, and solder"; "Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified;" "Lead: Bar, pipe, and sheet.") Lead, bar, pipe, and sheet; antifriction-bearing metals; type metal; solders; bars and rods of brass, bronze, and other nonferrous alloys, such as Monel metal and German silver; plates, sheets, rods, tubing, wire, castings, and machinery fittings made from copper or zinc or from brass, bronze, or other nonferrous alloys; various finished products, such as die-castings, extruded shapes, electrical supplies, car and engine brasses, refinished brass work, oiling devices, spigots, hose couplings, stair plates and rods, fenders, screen plates, spun metal, bells, etc. Copper ingots are normally products of the "Smelting and refining, copper" industry. Establishments engaged in the manufacture of wire from purchased bars or rods are classified in the "Wire, drawn from purchased bars or rods" industry. Establishments engaged primarily in the manufacture of gas and electric fixtures, hardware, and plumbers' supplies are not	1212

INDUSTRY GROUP 12.—NONFERROUS METALS AND THEIR PRODUCTS—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1212	*1014*	**Nonferrous-metal alloys and products**—Continued. to be classified in this industry, these lines of manufacture being covered by separate classifications. (See cross references, above.)	
	1016	*Pens, gold. Abandoned as a separate industry classification; combined with "Pens, steel and brass" and "Pens, fountain and stylographic." See No. 1634, "Pens, fountain and stylographic; pen points, gold, steel, and brass."*	
1213	*1017*	**Plated ware** (*see also* **Silversmithing and silverware**)..... Articles plated with gold, silver, or other metals; articles made of nickel-silver or pewter.	1213
1214	*1018*	**Silversmithing and silverware** (*see also* **Plated ware**)..... Solid silver knives, forks, spoons, and other flatware; solid silver hollow ware, toilet ware, ornaments, ecclesiastical ware, novelties, cane and umbrella handles, etc.	1213
1215	*1019*	**Smelting and refining, copper** (*see also* **Nonferrous-metal alloys and products**).....	1212
1216	*1020*	**Smelting and refining, lead** (*see also* **Nonferrous-metal alloys and products**).....	1212
	1021	*Smelting and refining, metals not elsewhere classified. This industry covered the smelting and refining of such metals as antimony, molybdenum, nickel, tin, titanium, tungsten, and vanadium. No establishment smelting or refining such metals as a primary activity has been reported since the census for 1921.*	
1217	*1022*	**Smelting and refining, metals other than gold, silver, or platinum, not from the ore** (*see also* **Nonferrous-metal alloys and products**)..... The smelting and refining of scrap metals and dross of all kinds, except gold, silver, and platinum, for which there is a special classification.	1212
1218	*1023*	**Smelting and refining, zinc**.....	1212
	1024	*Stamped and enameled ware, not elsewhere classified. Abandoned as a separate industry classification; combined with "Enameling and japanning." See No. 1219, "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering."*	
1219	*1024* *1610*	**Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering** (*see also* **Plumbers' supplies: Tin cans and other tinware**)..... Stamped and enameled sheet-metal products of all kinds, except those classifiable in the industries named above; perforated metals and metal stampings, including stamped machine parts; japanning, lacquering, and paint-enameling on bathroom fixtures, bedsteads, automobile and bicycle parts, sewing machines and other machines, typewriters, signs, emblems, tags, gas and electric fixtures; vitreous enameling of household and hospital ware, stove parts, etc.	1219
	1025	*Tin and other foils, not including gold and silver; collapsible tubes; separated into two classifications, No. 1203, "Collapsible tubes," and No. 1220, "Tin and other foils, not including gold foil."*	

INDUSTRY GROUP 12.—NONFERROUS METALS AND THEIR PRODUCTS—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1220	*1025*	**Tin and other foils, not including gold foil** (*see also* **Gold leaf and foil**) Tin foil, aluminum foil and leaf, lead foil, etc.	1208
1221	*1026*	**Watch and clock materials and parts, except watchcases** (*see also* **Clocks, clock movements, time-recording devices, and time stamps; Nonferrous-metal alloys and products; Watchcases; Watches and watch movements**) Mainsprings, hairsprings, balance wheels, jewels, chimes, dials, pendulums, etc., and clock cases.	1202
1222	*1027*	**Watchcases** (*see also* **Watch and clock materials and parts, except watchcases; Watches and watch movements**)	1202
1223	*1028*	**Watches and watch movements** (*see also* **Clocks, time-recording devices, and clock movements**)	1202

Industry Group 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT

OFFICE GROUP 3

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
*1301	*1201*	**Agricultural implements** [*see also* **Carriages, wagons, sleighs, and sleds; Dairymen's supplies, etc.; Engines, turbines, tractors, and water wheels; Pumps (hand and power) and pumping equipment; Windmills and windmill towers**]..... (1) Planting and fertilizing machinery—corn planters, cotton planters, potato planters, grain drills, combined listers and drills, beet drills, broadcast seeders, transplanters, fertilizer distributors, lime spreaders, manure spreaders, etc.; (2) Plows and listers—moldboard plows, disk plows, listers, ridge busters, subsoilers, plowstocks, steel plow shapes, etc.; (3) Harrows, rollers, pulverizers, and stalk cutters; (4) Cultivators and weeders, etc.; (5) Harvesting machinery—grain binders, grain headers, combines (harvester-threshers), rice binders, cornbinders, corn harvesters, corn picker-huskers, corn snappers, reapers, potato-digging machines, pea and bean harvesters, beet lifters, etc.; (6) Haying machinery—mowers, horserakes (hand rakes to be classified under "Tools, not including edge tools, machine tools, files, or saws"), tedders, loaders, stackers, and combined sweep rakes and stackers, windrowers and bunchers, etc.; (7) Machines for preparing crops for market or use—threshers, clover hullers, ensilage cutters, corn shellers, corn huskers and shredders, hay presses, feed grinders and crushers, grain cleaners and graders (including fanning mills), potato sorters and graders, cane mills (farm size), sirup evaporators and kettles, sirup-evaporator furnaces, cider mills, etc.; (8) Miscellaneous agricultural implements—grain cradles, straw spreaders, seed-potato cutters, eveners, hay carriers, forks, and slings, tracks for hay carriers, scythes, etc.	1301
.02	*1202*	**Cash registers, adding machines, and calculating machines**.... Adding machines and adding attachments for typewriters, cash registers and similar devices, fare registers and recording fare boxes for railway cars, ticket-counting machines, coin changers, rotary wage tables, slide rules, and other calculating and computing machines and devices.	1302
1303	*1203*	**Electrical machinery, apparatus, and supplies** (*see also* **Locomotives**)..... All classes of machinery, apparatus, and supplies for employment directly in the generation, storage, transmission, or utilization of electric energy. Products include electric locomotives, dynamos, motors, batteries, transformers, switchboards, panel boards, cut-out cabinets, carbons, arc and incandescent lamps, searchlights, projectors and focusing lamps, sockets, transmitters, receivers, lightning arresters, rheostats and resistances, electric welding apparatus, electric therapeutic apparatus, switches, signals, telegraph and telephone apparatus, fire-alarm apparatus, radio apparatus, miscellaneous electric household appliances, etc.	1303
1304	*1204*	**Engines, turbines, tractors, and water wheels** (*see also* **Agricultural implements; Foundry and machine-shop products; Locomotives**)..... Steam engines—reciprocating, turbine, traction, etc.; internal-combustion engines—Diesel type, aviation, marine, motor-vehicle, and motor-cycle engines, tractors (farm, road, and other), etc.; water turbines, water wheels, and water motors.	1304

INDUSTRY GROUP 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1305	*1205*	**Foundry and machine-shop products, not elsewhere classified.** All products of boiler shops, foundries, and machine shops, not classified in any of the other industries in this group nor in any of the industries in Groups 11 and 12.	1305
1306	*1206*	**Gas machines and gas and water meters** (*see also* **Foundry and machine-shop products**). Machines for manufacturing gas, acetylene-gas generators, gas meters, water meters, gas and water regulators, etc.	*1306
1307	*1207*	**Machine tools** (*see also* **Foundry and machine-shop products; Cutlery and edge tools; Tools**). Power-driven machines for cutting or shaping metals, such as lathes, planers, drilling machines, etc. Machine tools are designed for more or less general use, as distinct from machines designed for manufacturing special articles. Portable hand tools (power-driven) for calking, riveting, and driving screws are also included under this classification.	1307
1308	*1216*	**Metal-working machinery, other than machine tools.** Rolling-mill machinery, rod-working machinery, wire-drawing machinery, can-making machinery, and other metal-working machinery not classifiable as "Machine tools."	1305
1309	*1209*	**Pumps (hand and power) and pumping equipment** (*see also* **Foundry and machine-shop products**). Tire and other air pumps, oil pumps, spray pumps, water pumps (antisuction, bucket, chain, diaphragm, etc.), and other hand pumps; steam reciprocating, centrifugal, rotary, air, oil-well, spray, and other power pumps; windmill pumps; residence water-pumping systems; gasoline filling-station pumps and equipment; pump jacks and other pumping equipment.	1309
1310	*1217*	**Refrigerators, mechanical.** All types of refrigerators which do not use ice as the refrigerating medium. Such refrigerators include not only the motor-driven type but also those which use heat to actuate the cooling medium.	1310
1311	*1210*	**Scales and balances.** Scales, balances, weighing machines and apparatus, automatic and computing weighing machines, etc.	1302
1312	*1211*	**Sewing machines, cases, and attachments.**	1312
1313	*1212*	**Textile machinery and parts.** All classes of textile machinery and parts, including machinery for bleaching, dyeing, printing, mercerizing, finishing, etc.	1313
1314	*1213*	**Typewriters and parts.** Typewriters and parts of typewriters.	1302
	1213	*Typewriters and supplies.* *Classification separated into No. 1314, "Typewriters and parts," and No. 1607, "Carbon paper and inked ribbons."*	

INDUSTRY GROUP 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT—Continued

OFFICE GROUP 3—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisks, see p. 15]	Form No.
1315	*1214*	**Washing machines, wringers, driers, and ironing machines, for household use** (*see also* **Foundry and machine-shop products**)	1312
		Washing machines, wringers, drying machines, and ironing machines, whether operated by mechanical power or by hand, for use in homes. (Laundry machinery for use in commercial laundries only is to be classified under "Foundry and machine-shop products, not elsewhere classified.")	
1316	*1215*	**Windmills and windmill towers** (*see also* **Agricultural implements**)	100
		Windmills and accessories and parts; windmill towers.	
*1317		**Woodworking machinery** (*see also* **Foundry and machine-shop products**)	*1317
		Machines for cutting, boring, or shaping wood, such as boring and mortising machines, lathes, tenoners, molders, planers, matchers, sanders, sawing machines, etc.	
		SPECIAL INQUIRY	
		Annual:	
1376	*1276*	**Farm equipment**—Manufacture and sale	1376

Industry Group 14.—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER

OFFICE GROUPS 3 AND 6

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1401	*1401*	**Aircraft and parts** All types of aircraft (including balloons) and parts.	1401
1402	*1402*	**Carriage, wagon, sleigh, and sled materials** (*see also* **Carriages, wagons, sleighs, and sleds; Motor-vehicle bodies and motor-vehicle parts; Springs, steel; Railway, vehicle, heavy machine, etc.**) Bodies, tops, cushions, hubs, felloes, spokes, wheels, whiffletrees, carriage boots and aprons, axles, dashboards, neck yokes, whip sockets, and other materials and parts except springs, which are separately classified.	100
1403	*1403*	**Carriages and sleds, children's** (*see also* **Furniture**) Baby carriages, "walkers," gocarts, sleds, doll carriages, children's velocipedes and tricycles, children's express wagons, etc.	1648
1404	*1404*	**Carriages, wagons, sleighs, and sleds** (*see also* **Agricultural implements; Carriage, wagon, sleigh, and sled materials; Motor vehicles; Motor-vehicle bodies and motor-vehicle parts**) Complete carriages, wagons, sleighs, sleds, pungs, handcarts, pushcarts, and wheelbarrows.	1404
1405	*1405*	**Cars, electric and steam railroad, not built in railroad repair shops** (*see also* **Car and general construction and repairs, electric-railroad repair shops; Car and general construction and repairs, steam-railroad repair shops**)	1405
1406	*1407*	**Locomotives, not made in railroad repair shops** (*see also* **Car and general construction and repairs, steam-railroad repair shops; Engines, turbines, tractors, and water wheels; Electrical machinery, apparatus, and supplies**) All kinds of steam and internal-combustion locomotives. (Electric locomotives are to be classified under "Electrical machinery, apparatus, and supplies.")	1406
1407	*1408*	**Motor-vehicle bodies and motor-vehicle parts** (*see also* **Carriage, wagon, sleigh, and sled materials; Motor vehicles**) Establishments engaged primarily in the manufacture of (*a*) motor-vehicle bodies; (*b*) parts and accessories such as gears, wheels, radiators, bumpers, axles, rear-axle housings, axle shafts, shock absorbers, windshields, rims, frames, horns, windshield wipers, and various other assemblies and parts, not including complete chassis, which are classified under "Motor vehicles." (*a*) Bodies. (*b*) Parts and accessories.	1407
1408	*1409*	**Motor vehicles, not including motor cycles** (*see also* **Carriages, wagons, sleighs, and sleds; Motor-vehicle bodies and motor-vehicle parts**) All complete four-wheeled motor vehicles—automobiles, trucks, motor busses, etc.—complete chassis and trailers.	1408
1409	*1410*	**Motor cycles, bicycles, and parts** Complete motor cycles, side cars, and bicycles, and motor cycle and bicycle parts, such as saddles, seat posts, frames, gears, handlebars, chains, etc. Establishments which manufacture complete motor cycles or bicycles by merely assembling purchased parts should be included in this classification.	1409

Industry Group 14.—Transportation Equipment, Air, Land, and Water—Continued

OFFICE GROUPS 3 AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1410	*1411*	**Ship and boat building, steel and wooden, *including repair work***	1410
		Building of all classes of steel and wooden vessels, including yachts, rowboats, canoes, etc.; repairs to such vessels; masts, spars, and other accessories for such vessels; rigging of such vessels (equipping with ropes, chains, etc., which support or raise and lower masts and spars, or serve to set and trim sails).	
		SPECIAL INQUIRY	
1476		***Automobile repairing***	1476
		Repair work, both that done in shops equipped with power-driven machinery and that done in shops equipped with hand tools only. Such shops may be operated in conjunction with garages and filling stations or may be operated independently.	

Industry Group 15.—RAILROAD REPAIR SHOPS

OFFICE GROUP 3

Industry number		CLASSIFICATION	Form No.
1929	Old		
1501	*1501*	**Car and general construction and repairs, electric-railroad repair shops** (*see also* **Cars, electric and steam railroad**) Shopwork done by electric-railroad companies; consists principally of repairs to rolling stock and bridges belonging to the company operating the shop. Some shops, however, build new cars, and some perform repair work for other railroad companies.	1501
1502	*1502*	**Car and general construction and repairs, steam-railroad repair shops** (*see also* **Cars, electric and steam railroad; Locomotives**) Shopwork done by steam-railroad companies; consists principally of repairs to rolling stock and bridges belonging to the company operating the shop. Some shops, however, build new cars and locomotives, and some perform repair work for other railroad companies.	1501

Industry Group 16.—MISCELLANEOUS INDUSTRIES

OFFICE GROUPS 2, 4, 5, AND 6

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1601	*1601*	**Artificial and preserved flowers and plants** (*see also* **Feathers, plumes, and manufactures thereof; Millinery**) Manufacture of artificial leaves, palms, grasses, wreaths, plants, foliage and vines, buds, and fruits; manufacture of wax flowers; preservation of flowers, plants, stems, and other material for the manufacture of artificial flowers.	100
1602	*1602*	**Artificial limbs** (*see also* **Surgical appliances**) Artificial legs, arms, hands, and feet; orthopedic appliances and joints; also crutches, artificial-leg wood prepared for sale as such, etc. (This classification must not be confused with "Surgical appliances.")	100
1603	*1603*	**Artists' materials** Canvas board; prepared canvases or frames; oil colors; air brushes for portrait work; air compressors for art work; easels; drawing tables and boards; palettes; sketch boxes; pantographs; wax, dustless, and other crayons; tailors' chalk; crayon pencils; gold and bronze mixtures, powders, paints, and size; gold and aluminum enamel and paint for china painting; pyrography goods, including platinum points; drafting materials; drawing ink; etc.	100
1604	*1604*	**Brooms** Brooms, whisk brooms, etc., made from broom corn or fiber; street and stable brooms made from heavier materials.	1604
1605	*1605*	**Brushes, other than rubber** (*see also* **House-furnishing goods; Rubber goods, other than tires, inner tubes, and boots and shoes**) Paint, sash, floor, whitewash, and other brushes, not including those made of rubber.	1604
1606	*1606*	**Buttons** (*see also* **Needles, pins, hooks and eyes, and snap fasteners**) All kinds of buttons, parts of buttons, and button blanks or molds.	1606
*1607		**Carbon paper and inked ribbons**	1607
1608	*1102*	**Cigars and cigarettes** (*see also* **Tobacco: Chewing and smoking, and snuff**) (*a*) Cigars. (*b*) Cigarettes.	1608
1609	*1607*	**Combs and hairpins, not made from metal or rubber** (*see also* **Fancy and miscellaneous articles; Ivory, shell, and bone work; Needles, pins, hooks and eyes, and snap fasteners; Rubber goods, other than tires, inner tubes, etc.**) Combs and hairpins for dressing or ornamenting the hair, made from fiber, bone, horn, tortoise shell, celluloid, and ivory; also novelties for ladies' headdress, barrettes, hairpuff pins, hair ornaments, comb mountings, etc.	100
1610	*1608*	**Dairymen's supplies; creamery, cheese-factory, and butter-factory equipment; and poultrymen's and apiarists' supplies.** (*a*) Incubators and brooders. (*b*) Other poultrymen's supplies, such as coops, hovers, houses, incubator regulators, feeders, feed cookers, crates and chicken-shipping boxes, etc. (*c*) Cream separators, centrifugal and gravity,	1610

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1920	Industry number Old	CLASSIFICATION	Form No.
1610	*1608*	**Dairymen's supplies**—Continued. and accessories. (d) Other dairymen's, creamery, cheese-factory, and butter-factory supplies and equipment, such as *automatic sanitary butter machines; butter workers*, vats, colors, packers, ladles, and molds; cheese presses, and bandages; rennet extract and lactic ferment; churns; dairy tinware; milk tanks, coolers, etc.; pasteurizers; portable stalls; etc. (Creamery, butter-factory, and cheese-factory machinery, except cream separators, is to be classified under "*Foundry and machine-shop products, not elsewhere classified*," Group 13.) (e) Apiarists' supplies, such as bee escapes, bee veils, comb foundation, hives, honey boxes and sections, etc.	
1611	*1609*	**Dental goods and equipment** (*see also* **Emery wheels and other abrasive and polishing appliances; Instruments, professional and scientific**)..... Artificial teeth, filling material, dental alloys, plate material, carborundum disks and wheels, mandrels, casting machines, dental files, impression materials, gold crown *and bridge work, rubber plate work* and suction plates and cups, workshop tools, etc. (Dental instruments are to be classified under "Instruments, professional and scientific.")	1611
	1610	*Enameling and japanning. Abandoned as a separate industry classification; combined with "Stamped and enameled ware, not elsewhere classified." See No. 1219, "Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering."*	
1612	*1612*	**Fancy and miscellaneous articles, not elsewhere classified** (*see also* **Boxes, paper and other; Combs and hairpins; Ivory, shell, and bone work; Signs and advertising novelties**)..... Beaded articles, celluloid novelties, art novelties, holiday goods, photo jewelry and buttons, inlaid veneer work, silk watch chains, burnt-wood articles, lamp shades, bric-a-brac, *composition* ornaments, needle and pin books, decalcomania work (when not on china or glass), and many other miscellaneous small articles not covered by distinct classifications.	100
1613	*1613*	**Feathers, plumes, and manufactures thereof** (*see also* **Artificial and preserved flowers and plants; Millinery**)..... Production of fancy feathers, plumes, quills, and articles made principally from feathers and plumes; curling, dyeing, and renovating ostrich feathers for the trade. (Establishments engaged wholly or mainly in the performance of custom work are not to be included.)	100
1614	*1614*	**Foundry supplies**..... Foundry supplies, such as molding sand, cement for castings, core oils and compounds, chaplets, wax and flux, "parting" composition, flasks, sieves, pipe blacking, plumbago, etc.	100
1615	*1616*	**Fur goods** (*see also* **Hats and caps, except felt and straw**)..... Fur and fur-lined coats and overcoats, fur neck pieces of all kinds, fur hats and caps, fur trimming, fur robes, all other fur and fur-lined goods, sheep-lined garments.	1615

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1616	*1617*	**Furs, dressed** The scraping, currying and tanning, and bleaching and dyeing of pelts for use in the manufacture of fur goods, and the dressing of hair and bristles. In many cases this work is done for others on a contract basis.	100
1617	*1618*	**Hair work** Wigs, switches, braids, puffs, and related articles made largely from human hair but in some cases from mohair or other animal hair.	100
1618	*1619*	**Hand stamps and stencils and brands** [*see also* **Engraving (other than steel, copperplate, or wood), chasing, etching, and diesinking; Labels and tags**] Rubber and metal stamps, dies, seals, and presses, steel letters and figures, check protectors, date and time stamps, numbering machines, copper and brass stamps for marking textiles, steel shoe stamps, etc. Stencils made of brass, steel, or other material for use in painting or marking or in addressing machines; branding irons (irons to be heated and used in marking casks, boxes, articles of merchandise, etc.).	100
1619	*1620*	**Hats, straw, men's** (*see also* **Millinery**) The manufacture of men's straw hats and the bleaching and finishing of Panama and other straw hats. (Trimmed hats for women and children are to be classified under "Millinery, not elsewhere classified.")	230
1620	*1621*	**Instruments, professional and scientific** All kinds of anthropometrical, astronomical, physiological, chemical, and physical apparatus for educational and commercial purposes; drafting instruments; surveyors', nautical, and similar instruments; surgical, dental, orthopedic, and veterinary instruments, etc. Among the numerous products are the following: Speedometers, barometers, thermometers, compasses, binnacles, dental mirrors, micrometers, and spectroscopes.	*1620
21	*1622*	**Ivory, shell, and bone work, not including buttons, combs, or hairpins** (*see also* **Buttons; Combs and hairpins; Fancy and miscellaneous articles**) Articles made from ivory, shell, mother-of-pearl, horn, or bone, not elsewhere classified. Products include mosaics, knife handles and tips, fobs, buckles, and other fittings for jewelers' use, manicure implements, watch chains, stick pins, hatpins, inlaying for musical instruments, etc.	100
1622	*1623*	**Jewelry and instrument cases** Cases, trays, fancy boxes, etc., for jewelry, instruments, cutlery, eyeglasses, combs, compasses, cigarettes, pipes, toilet sets, etc.	100
1623	*1624*	**Lapidary work** (*see also* **Jewelry**) Cutting and polishing of diamonds and other precious or semiprecious stones; drilling of pearls; recutting and setting for the trade; preparation of jewels for surveyors' and electrical instruments and for watches and chronometers, and of real and imitation stones for emblems. Much of the work is done on a contract basis on materials owned by others.	100

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION	Form No.
1624	*1625*	**Mattresses and bed springs, not elsewhere classified** (*see also* **Furniture; Wirework**) Mattresses filled with hair, cotton, felt, moss, or similar material; wire springs for use on beds, couches, and cots; spring cushions.	1624
1625	*1626*	**Models and patterns, not including paper patterns** Patterns and models for use in making matrices or molds for casting metal or for making brick, glassware, etc.; hat blocks, pottery braces, wax figures, dress and show forms, stamping outfits, etc.	100
1626	*1627*	**Motion pictures, not including projection in theaters** All processes and activities connected with the *production* of motion pictures, *not including their projection in theaters.*	1626
1627	*1302*	**Musical instrument parts and materials: Piano and organ** (*see also* **Musical instruments: Organs; Musical instruments: Pianos; Hardware**) Piano strings, plates, keys, actions, keyboards, cases, back frames, pedal attachments, hammers, sounding boards, legs, and trusses; organ reeds, pipes, stops, knobs, pedals, and reed boards; and all other parts and materials for pianos and organs, except piano and organ hardware.	1628
1628	*1301*	**Musical instruments and parts and materials, not elsewhere classified** All kinds of complete musical instruments except pianos, organs, and orchestrions; parts and materials for musical instruments other than pianos, organs, and orchestrions.	1628
1629	*1302*	**Musical instruments: Organs** (*see also* **Musical instruments: Pianos; Musical instrument parts and materials: Piano and organ**) Complete organs (pipe and reed).	1628
1630	*1304*	**Musical instruments: Pianos** (*see also* **Musical instruments: Organs; Musical instrument parts and materials: Piano and organ**) Complete pianos, with or without player attachments.	1628
1631	*1628*	**Optical goods** (*see also* **Jewelry; Instruments, professional and scientific; Photographic apparatus and materials**) This classification covers manufacturing opticians. Although some establishments produce complete spectacles and eyeglasses of various kinds, most of them either grind the lenses or make the frames but are not engaged in both lines of manufacture. Products include automatic eyeglass holders, eye shields and shades, eye-testing sets, eyeglasses, frames, and mountings, goggles, lenses, microscopes, telescopes, opera glasses, ophthalmic instruments and apparatus, optometers, photographic and projection lenses and prisms, photomicro and micro-projection apparatus, refractometers, spectrometers, optical measuring instruments, range finders, fire-control apparatus, and optical glass, machinery, and tools.	1631

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisks, see p. 15]	Form No.
1632	*1629*	**Paving materials, other than brick or granite** Paving blocks and paving materials, mixed and unmixed, for streets and sidewalks, and paving blocks for floors. Blocks are made of asphalt, creosoted wood, and various patented compositions. (*Stone paving blocks, including granite*, are to be classified under "Marble, granite, slate, and other stone products.") Mixed paving materials include artificial asphalt, asphalt mixture for top coat and binder, bituminous and other cements, liquid asphalt, tar concrete, etc. Unmixed materials include crushed furnace slag, granite, sandstone, and limestone; distillates; pitch; tar; coal-tar oil; flux; screenings; macadam; riprap; ballast; etc.	100
1633	*1630*	**Pencils, lead (including mechanical)** Complete lead pencils, wooden; pencils with removable holders and removable leads; holders only; leads only.	*1634
	1631	*Pens, fountain and stylographic. Abandoned as a separate industry classification; combined with "Pens, gold" and "Pens, steel and brass." See No. 1634, "Pens, fountain and stylographic; pen points, gold, steel, and brass."*	
1634	*317* *1016* *1631*	**Pens, fountain and stylographic; pen points, gold, steel, and brass** Complete fountain pens, stylographic pens, and ink pencils; rubber holders and other parts; gold pens; steel and other metal pens.	*1634
1635	*1805*	**Phonographs** All kinds of machines for mechanically recording or reproducing speech, music, or other sounds; parts and supplies, such as mechanical parts, record blanks, and records of music, speeches, etc.	1635
1636	*1632*	**Photographic apparatus and materials** Cameras, motion-picture machines, photostat machines, blue-printing machines, flash-light apparatus, tripods, film rewinders and reels, plate holders, developing tanks, shutters, etc.; films, plates, developers, etc. (Include unexposed motion-picture films.)	1636
1637	*1634*	**Pipes (tobacco)** All kinds of smokers' pipes, pipestems, etc.	100
1638	*1636*	**Roofing materials, not including wood, slate, burnt tile, asbestos, or metal [*see also* Asbestos products; Clay products (other than pottery) and nonclay refractories; Copper, tin, and sheet-iron work; Paints and varnishes]** Asphalt shingles, roofing cement, crushed furnace slag, tarred and other saturated felts, mastic, and roofing pitch. (The laying of roofing, which is a building and not a manufacturing process, is not included in this industry.)	*1638
1639	*1637*	**Sandpaper, emery paper, and other abrasive paper and cloth** Sandpaper, sand cloth, emery paper, emery cloth, flint paper, glass paper, etc.	100

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1929	Industry number Old	CLASSIFICATION [For explanation of asterisk, see p. 15]	Form No.
1640	*1638*	**Signs and advertising novelties** (*see also* **Fancy and miscellaneous articles**) Electric signs; other signs, such as illuminated signs, "talking signs," street-car destination signs, painted and decorated show cards, etc.; advertising novelties—tools, utensils, and conveniences marked with advertising notices, such as corkscrews, match boxes, calendars, memorandum books, etc.	1640
1641	*1639*	**Soda-water apparatus** Soda fountains, tanks, siphons, etc.	100
1642	*1640*	**Sporting and athletic goods, not including firearms or ammunition** (*see also* **Ammunition and related products; Firearms; Toys, games, and playground equipment**) Boxing gloves; punching bags; dumb-bells; clay-pigeon traps; fishing rods and tackle; baseball, football, basket ball, tennis, golf, and polo goods; exercising machines; skates, ice and roller; snowshoes; toboggans; decoys; etc.	*1642
1643	*1641*	**Stationery goods, not elsewhere classified** (*see also* **Envelopes; Paper; Paper goods; Pencils, lead (including mechanical); Pens, fountain and stylographic; pen points, gold, steel, and brass; Typewriters and parts**) Papeterie and other stationers' specialties; inkstands; penholders, desk pads, etc.; calendars; copying devices; maps (wall, school, and other) and globes; school supplies; etc.	100
1644	*1642*	**Steam and other packing, pipe and boiler covering, and gaskets, not made in textile mills** (*see also* **Asbestos products; Rubber goods**) Packing for use in stuffing boxes of steam engines, in pipe joints of many kinds, and in air compressors; gaskets for internal-combustion engines; and heat-insulating materials for use as covering on boilers, steam and hot-water pipes, ammonia pipes in refrigerating plants, etc.	*1001
1645	*1643*	**Surgical appliances** (*see also* **Artificial limbs; Dental goods; Instruments, professional and scientific**) Surgical appliances other than surgical instruments and dental appliances; bandages; dressings. Specific products include, among others, trusses, elastic hosiery and belts, braces, extension shoes, arch supports for insteps, obesity belts, surgical gauze, douches, pneumatic splints, abdominal supporters, shoulder braces, "magnetic" insoles, sutures, eardrums, electric belts, anklets, kneecaps, suspensories, etc.	100
1646	*1644*	**Theatrical scenery and stage equipment** Scenery for theaters, opera houses, halls, and schools; advertising curtains; stage hardware and equipment; floats for street pageants; etc. (Incidental work done on scenery in theaters is not to be included.)	100
1647	*1101*	**Tobacco: Chewing and smoking, and snuff** (*see also* **Cigars and cigarettes**)	1608

INDUSTRY GROUP 16.—MISCELLANEOUS INDUSTRIES—Contd.

OFFICE GROUPS 2, 4, 5, AND 6—Continued

Industry number 1920	Industry number Old	CLASSIFICATION	Form No.
1648	*1645*	**Toys (not including children's wheel goods or sleds), games, and playground equipment** (*see also* **Carriages and sleds, children's; Paper goods; Rubber goods, other than tires, inner tubes, and boots and shoes; Sporting and athletic goods)** All games for adults except those classifiable under "Sporting and athletic goods, not including firearms or ammunition" and those played with ordinary playing cards (classified under "Paper goods, not elsewhere classified"); all games for children; magic lanterns; carrousels; dolls and doll clothing; conjuring apparatus; puzzles; toy furniture and utensils; playground goods; toy building blocks; children's driving reins; rattles and floor-rolling chimes; toy drums; hobbyhorses and rocking-horses; kites; magical apparatus, tricks, and novelties; masks; mechanical toys; toy railways, engines, and cars; toy savings banks; wigwams; marbles; fabric and leather-covered balls; educational boards; toy tools, canes, pistols, bells, and air rifles; etc.	1648
1649	*1646*	**Umbrellas, parasols, and canes** (*see also* **Jewelry; Silversmithing and silverware)** Umbrellas, parasols, cases, handles (other than gold or silver), frames and other parts; canes. (Gold handles are to be classified under "Jewelry" and silver handles under "Silversmithing and silverware.")	100
1650	*1647*	**Whips** Whips, riding whips, and crops, whipstocks, whip handles, whiplashes, etc.	100
1651	*1648*	**Window shades and fixtures** Window shades, rollers, curtain poles and rods, etc.	100
		SPECIAL INQUIRIES	
1676	*1660*	**Power laundries**	1676
1677	*1661*	**Dyeing and cleaning establishments**	1677

CHANGES IN CLASSIFICATIONS AND IN INDUSTRY TITLES

GROUPING OF INDUSTRIES

1929 and 1927	1925 and 1923
1. Food and kindred products.	1. Food and kindred products.
2. Textiles and their products.	2. Textiles and their products.
3. Forest products.	3. Iron and steel and their products, not including machinery.
4. Paper and paper products.	4. Forest products.
5. Printing, publishing, and allied industries.	5. Leather and its manufactures.
6. Chemicals and allied products.	6. Rubber products.
7. Products of petroleum and coal.	7. Paper, printing, and related products.
8. Rubber products.	8. Chemicals and allied products.
9. Leather and its manufactures.	9. Stone, clay, and glass products.
10. *Stone, clay, and glass products.*	10. *Metals and metal products, other* than iron and steel.
11. Iron and steel and their products, not including machinery.	11. Tobacco manufactures.
12 Nonferrous metals and their products.	12. Machinery, not including transportation equipment.
13. Machinery, not including transportation equipment.	13. Musical instruments and phonographs.
14. Transportation equipment, air, land, and water.	14. Transportation equipment, air, land, and water.
15. Railroad repair shops.	15. Railroad repair shops.
16. Miscellaneous industries.	16. Miscellaneous industries.

CHANGES IN GROUP NUMBERS AND TITLES

[The old grouping was set forth in "Classifications by Industries" for 1927, 1925, and 1923; but the new grouping was followed in the published reports of the census for 1927]

Old grouping	*New grouping*
Group 3, Iron and steel and their products.	Group 11, Iron and steel and their products.
Group 4, Lumber and allied products.	Group 3, Forest products.
Group 5, Leather and its manufactures.	Group 9, Leather and its manufactures.
Group 6, Rubber products.	Group 8, Rubber products.
Group 7, Paper, printing, and related industries.	Group 4, Paper and paper products. Group 5, Printing, publishing, and allied industries.
Group 8, Chemicals and allied products.	Group 6, Chemicals and allied products. Group 7, Products of petroleum and coal.
Group 9, Stone, clay, and glass products.	Group 10, Stone, clay, and glass products.
Group 10, Metals and metal products, other than iron and steel.	Group 12, Nonferrous metals and their products.
Group 12, Machinery, not including transportation equipment.	Group 13, Machinery, not including transportation equipment.
Group 11, Tobacco manufactures.	Group 16, Miscellaneous.
Group 13, Musical instruments and phonographs.	
Group 16, Miscellaneous.	

INDUSTRY CHANGES, BY GROUPS

GROUP 1.—FOOD AND KINDRED PRODUCTS.

Coffee and spice, roasting and grinding.—Omitted at census for 1925; restored.

Corn sirup, corn oil, and starch.—Title changed to *Corn sirup, corn sugar, corn oil, and starch.*

Lard substitutes.—Title as published in "Classifications by Industries" for 1927; changed to "*Lard substitutes and vegetable cooking oils*" and so published in reports for 1927.

Nuts, processed.—Title as published in "Classifications by Industries" for 1927; changed to *Peanuts, walnuts, and other nuts, processed,* and so published in reports for 1927.

Oleomargarine, not made in slaughtering and meat-packing establishments.—Title changed to *Oleomargarine and other butter substitutes, not made in meat-packing establishments.*

Poultry killing and dressing.—Omitted at the census for 1927, restored with title changed to *Poultry, killing, dressing, and packing, wholesale.*

Sausage and sausage casings, not made in slaughtering and meat-packing establishments.—Title as published in "Classifications by Industries" for 1927 changed to *Sausage, meat puddings, headcheese, etc., and sausage casings, not made in meat-packing establishments,* and so published in reports for 1927.

Slaughtering and meat packing, wholesale.—Title changed to *Meat packing, wholesale.*

GROUP 2.—TEXTILES AND THEIR PRODUCTS.

Belting and hose, other than leather and rubber, made from purchased fabrics.—Title changed to *Belting and hose, other than leather, rubber, and balata, made from purchased fabrics.*

Felt goods, wool or hair.—Title changed to *Felt goods, wool, hair, or jute.*

Gloves and mittens, cloth or chiefly cloth, made from purchased fabrics.—Title changed to *Gloves and mittens, cloth or cloth and leather combined, made from purchased fabrics.*

Hat and cap materials.—Title changed to *Hat and cap materials, men's.*

Hats and caps, except felt and straw.—Title changed to *Hats and caps, except felt and straw, men's.*

Hammocks.—Prior to census for 1927 a separate industry in Group 2; abandoned as a separate industry classification for 1927; combined with No. 309, Group 3, *Furniture, including store and office fixtures.*

Millinery, not elsewhere classified.—Title changed to *Millinery.*

Silk manufactures.—Title changed to *Silk and rayon manufactures.*

Trimmings (not made in textile mills) and trimmed articles, not elsewhere classified.—Title changed to *Trimmings (not made in textile mills) and stamped art goods for embroidering.*

GROUP 3.—FOREST PRODUCTS.

Caskets, coffins, burial cases, and morticians' goods.—Title changed to *Caskets, coffins, burial cases, and other morticians' goods.*

Furniture.—Title as published in "Classifications by Industries" for 1927 changed to *Furniture, including store and office fixtures,* and so published in reports for 1927. Includes *Hammocks,* prior to 1927 a separate industry classification in Group 2.

Planing-mill products, not made in planing mills connected with sawmills.—Title changed to *Planing-mill products (including general millwork), not made in planing mills connected with sawmills.*

INDUSTRY CHANGES, BY GROUPS—Continued

GROUP 3.—FOREST PRODUCTS—Continued.

Refrigerators, ice.—Title changed at census for 1927 to *Refrigerators and refrigerator cabinets, exclusive of mechanical refrigerating equipment,* and so published in reports for 1927.

Wooden goods, not elsewhere classified.—Abandoned as a separate classification; combined with *Wood, turned and shaped, not elsewhere classified* to form new classification, *Wood turned and shaped and other wooden goods, not elsewhere classified.*

Wood, turned and shaped, not elsewhere classified.—Combined with *Wooden goods, not elsewhere classified* to form new classification, *Wood turned and shaped and other wooden goods, not elsewhere classified.*

Wood turned and shaped and wooden goods, not elsewhere classified.—Title for combined industries. (See above.)

GROUP 4.—PAPER AND PAPER PRODUCTS.

This group was formerly a part of old Group 7, *Paper, printing, and related industries.*

Boxes, paper and other, not elsewhere classified.—Title changed to *Boxes, paper, not elsewhere classified.*

GROUP 5.—PRINTING, PUBLISHING, AND ALLIED INDUSTRIES.

This group was formerly a part of old Group 7, *Paper, printing, and related industries.*

No change in industries.

GROUP 6.—CHEMICALS AND ALLIED PRODUCTS.

This group formerly included four industries now assigned to Group 7, namely: Gas, manufactured, illuminating and heating; Coke, not including gas-house coke; Lubricating greases, not made in petroleum refineries; Petroleum refining.

Chemicals, not elsewhere classified.—For 1929 includes *Sulphuric, nitric and mixed acids,* formerly a separate classification.

Mucilage, paste and other adhesives, not elsewhere classified.—Title changed to *Mucilage, paste and other adhesives, except glue and rubber cement.*

Patent medicines and compounds.—Title published in "Classifications by Industries" for 1927, but changed to *Patent and proprietary medicines and compounds,* and so published in reports for 1927.

Perfumery, cosmetics, and toilet preparations.—Title published in "Classifications by Industries" for 1927, but changed to *Perfumes, cosmetics, and other toilet preparations,* and so published in reports for 1927.

Rayon.—Title changed to *Rayon and allied products.*

Sulphuric, nitric, and mixed acids.—Abandoned as a separate industry classification; combined with *Chemicals, not elsewhere classified.*

GROUP 7.—PRODUCTS OF PETROLEUM AND COAL.

Four of the industries in this group were formerly included in Group 6. The remaining industry, *Fuel, manufactured,* was transferred from Group 16.

Lubricating greases, not made in petroleum refineries.—Title changed to *Lubricating oils and greases, not made in petroleum refineries.*

GROUP 8.—RUBBER PRODUCTS.

Rubber goods, not elsewhere classified.—Title as published in "Classifications by Industries" for 1927, but changed to *Rubber goods, other than tires, inner tubes, and boots and shoes,* and so published in reports for 1927.

INDUSTRY CHANGES, BY GROUPS—Continued

GROUP 9.—LEATHER AND ITS MANUFACTURES.

No changes in industries.

GROUP 10.—STONE, CLAY, AND GLASS PRODUCTS.

No changes in industries.

GROUP 11.—IRON AND STEEL AND THEIR PRODUCTS, NOT INCLUDING MACHINERY.

Bolts, nuts, washers, and rivets, iron and steel, not made in rolling mills.—Title as published in "Classifications by Industries" for 1927, but changed to *Bolts, nuts, washers, and rivets, not made in rolling mills*, and so published in reports for 1927.

Doors, shutters, and window sash and frames, iron and steel.—Title as published in "Classifications by Industries" for 1927, but changed to *Doors, shutters, and window sash and frames, metal*, and so published in reports for 1927.

Forgings, iron and steel, not made in steel works or rolling mills.—Includes *Horseshoes, not made in rolling mills*, formerly a separate classification.

Horseshoes, not made in rolling mills.—Abandoned as a separate classification and combined with *Forgings, iron and steel, not made in steel works or rolling mills.*

Pens, steel and brass.—Abandoned as a separate classification; combined with *Pens, gold* and *Pens, fountain and stylographic.* See *Pens, fountain and stylographic; pen points, gold, steel, and brass*, No. 1634.

Plumbers' supplies, not including pipe or marble, slate, and porcelain sanitary ware.—Title thus published in "Classifications by Industries" for 1927, but changed to *Plumbers' supplies, not including pipe or vitreous-china sanitary ware*, and so published in reports for 1927.

Screw-machine products.—Combined with *Screws, wood;* new title *Screw-machine products and wood screws.*

Screws, wood.—Abandoned as a separate classification; combined with *Screw-machine products.*

Springs, steel: Railway, vehicle, heavy machine, etc., not made in rolling mills.—Title changed to *Springs, steel (except wire), not made in rolling mills.*

Stoves and appliances, gas and oil.—Title thus published in "Classifications by Industries" for 1927, but abandoned as a separate classification; combined with *Stoves (other than gas, oil, or electric) and warm-air furnaces* at census for 1927 under title *Stoves and ranges (other than electric) and warm-air furnaces*, and so published in the reports for 1927.

Stoves (other than gas, oil, or electric) and warm-air furnaces.—Title thus published in "Classifications by Industries" for 1927, but abandoned as a separate industry classification; combined with *Stoves and appliances, gas and oil* at the census for 1927 under title *Stoves and ranges (other than electric and warm-air furnaces).*

Structural and ornamental ironwork, not made in rolling mills.—Title thus published in "Classifications by Industries" for 1927, but changed to *Structural and ornamental iron and steel work, not made in rolling mills*, at the census for 1927 and so published in the reports for 1927.

Wrought pipe, not made in rolling mills. Title thus published in "Classifications by Industries" for 1927, but changed to *Wrought pipe, welded and heavy riveted*, and so published in the reports for 1927.

INDUSTRY CHANGES, BY GROUPS—Continued

GROUP 12.—NONFERROUS METALS AND THEIR PRODUCTS.

Babbitt metal, white metal, type metal, and solder.—Title abandoned as a separate classification; combined with *Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified* and *Lead: Bar, pipe, and sheet*, to form new classification, *Nonferrous-metal alloys and products.*

Brass, bronze, and other nonferrous alloys, and manufactures of these alloys and of copper, not specifically classified.—Abandoned as a separate classification; combined with *Babbitt metal, white metal, type metal, and solder*, and *Lead: Bar, pipe, and sheet*, to form new classification, *Nonferrous-metal alloys and products.*

Clocks, time-recording devices, and clock movements.—Title changed to *Clocks, clock movements, time-recording devices, and time stamps.*

Collapsible tubes.—Formerly a part of classification *Tin and other foils; collapsible tubes;* for 1921 a separate industry classification.

Gas and electric fixtures, not including lamps and reflectors.—Title thus published in "Classifications by Industries" for 1927, but combined with classification *Lamps and reflectors, not including electric bulbs*, at the census for 1927 and published as *Gas and electric fixtures; lamps, lanterns, and reflectors*, in the reports for 1927.

Gas and electric fixtures; lamps, lanterns, and reflectors.—Combined classification for *Gas and electric fixtures, not including lamps and reflectors*, and *Lamps and reflectors, not including electric bulbs.*

Gold and silver, leaf and foil.—Title changed to *Gold leaf and foil.*

Lead: Bar, pipe, and sheet.—Abandoned as a separate classification; combined with *Babbitt metal, white metal, type metal, and solder* and *Brass, bronze, and other nonferrous alloys and manufactures of these alloys and of copper, not specifically classified*, to form a new classification, *Nonferrous metal alloys and products.*

Nonferrous-metal alloys and products.—New classification title, combination of *Babbitt metal, white metal, type metal, and solder; Brass, bronze, and other nonferrous alloys and manufactures of these alloys and of copper, not specifically classified;* and *Lead: Bar, pipe, and sheet.*

Pens, gold.—Abandoned as a separate industry classification; combined with *Pens, fountain and stylographic* and *Pens, steel and brass* to form new classification *Pens, fountain and stylographic; pen points, gold, steel, and brass.* (See No. 1634.)

Smelting and refining, metals not elsewhere classified.—Abandoned as an industry classification. No establishments reporting metals other than those called for by the other smelting-industries classifications have been reported since the census for 1921.

Stamped and enameled ware, not elsewhere classified.—Abandoned as a separate classification; combined with *Enameling and japanning.* New classification title *Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.*

Stamped ware, enameled ware, and metal stamping, enameling, japanning, and lacquering.—New title for combined classifications, *Stamped and enameled wares not elsewhere classified* and *Enameling and japanning.*

Tin and other foils, not including gold and silver; collapsible tubes.—Separated into two classifications, *Tin and other foils, not including gold foil, and Collapsible tubes.*

Tin and other foils, not including gold and silver.—Separated from *Tin and other foils, not including gold and silver; collapsible tubes*, and title changed to *Tin and other foils, not including gold foil.*

INDUSTRY CHANGES, BY GROUPS—Continued

GROUP 13.—MACHINERY, NOT INCLUDING TRANSPORTATION EQUIPMENT.

Cash registers and calculating machines.—Title thus published in "Classifications by Industries" for 1927, but changed to *Cash registers, adding machines, and calculating machines*, and so published in reports for 1927.

Engines and water wheels.—Title thus published in "Classifications by Industries" for 1927; changed to *Engines, turbines, and water wheels*, and so published in the reports for 1927; title further changed to *Engines, turbines, tractors, and water wheels.*

Refrigerators, mechanical.—Not listed as an industry classification in "Classifications by Industries" for 1927; first established as a separate classification at the census for 1927 and thus published in the reports for 1927; formerly included in *Foundry and machine-shop products* and *Electrical machinery, apparatus, and supplies.*

Typewriters and supplies.—Title changed to *Typewriters and parts* and new classification established to cover supplies. (See No. 1607, *Carbon paper and inked ribbons.*)

Washing machines, clothes wringers, driers, and ironing machines for domestic use.—Title thus published in "Classifications by Industries" for 1927, but changed to *Washing machines, wringers, driers, and ironing machines for household use* and so published in reports for 1927.

GROUP 14.—TRANSPORTATION EQUIPMENT, AIR, LAND, AND WATER.

No change.

GROUP 15.—RAILROAD REPAIR SHOPS.

No change.

GROUP 16.—MISCELLANEOUS.

Old Group 11, Tobacco manufactures, and old Group 13, Musical instruments and phonographs, have been abandoned as separate groups and combined with Group 16.

Artists' materials.—Title thus published in "Classifications by Industries" for 1927, but changed to *Artists' and draftsmen's materials* and so published in reports for 1927; original title, *Artists' materials*, restored.

Carbon paper and inked ribbons.—New industry classification, formerly included in *Typewriters and supplies.* See *Typewriters and supplies*, Group 13.

Tobacco: Cigars and cigarettes.—Title thus published in "Classifications by Industries" for 1927, but changed to *Cigars and cigarettes*, and so published in reports for 1927.

Dental goods.—Title thus published in "Classifications by Industries" for 1927, but changed to *Dental goods, including dental-laboratory work*, and so published in reports for 1927; further changed to *Dental goods and equipment.*

Enameling and japanning.—Abandoned as a separate classification; combined with *Stamped and enameled ware, not elsewhere classified*, to form new classification, *Stamped ware, enameled ware and metal stamping, enameling, japanning, and lacquering.*

Fuel, manufactured.—Formerly in this group; transferred to Group 7, *Products of petroleum and coal.*

Hats, men's, straw.—Title changed to *Hats, straw, men's.*

Musical-instrument materials: Piano and organ.—Title changed to *Musical instrument parts and materials: Piano and organ.*

INDUSTRY CHANGES BY GROUPS—Continued

GROUP 16—MISCELLANEOUS—Continued

Musical instruments, parts, and materials, not elsewhere classified.—Title thus published in "Classifications by Industries" for 1927, but changed to *Musical instruments and parts and materials, not elsewhere classified.*

Musical instruments: Organs and orchestrions.—Title thus published in "Classifications by Industries" for 1927, but changed to *Musical instruments: Organs,* and so published in reports.

Pencils, lead.—Title changed to *Pencils, lead (including mechanical).*

Pens, fountain and stylographic.—Abandoned as a separate industry classification; combined with *Pens, gold,* and *Pens, steel and brass,* to form new classification, *Pens, fountain and stylographic; pen points, gold, steel, and brass.*

Pipes, tobacco, and cigar and cigarette holders.—Title thus published in "Classifications by Industries" for 1927, but changed to *Pipes, tobacco,* and so published in reports for 1927.

Roofing materials, not including wood, slate, burnt tile, asbestos, or metal other than metal shingles and ceilings.—Title changed to *Roofing materials, not including wood, slate, burnt tile, asbestos, or metal.*