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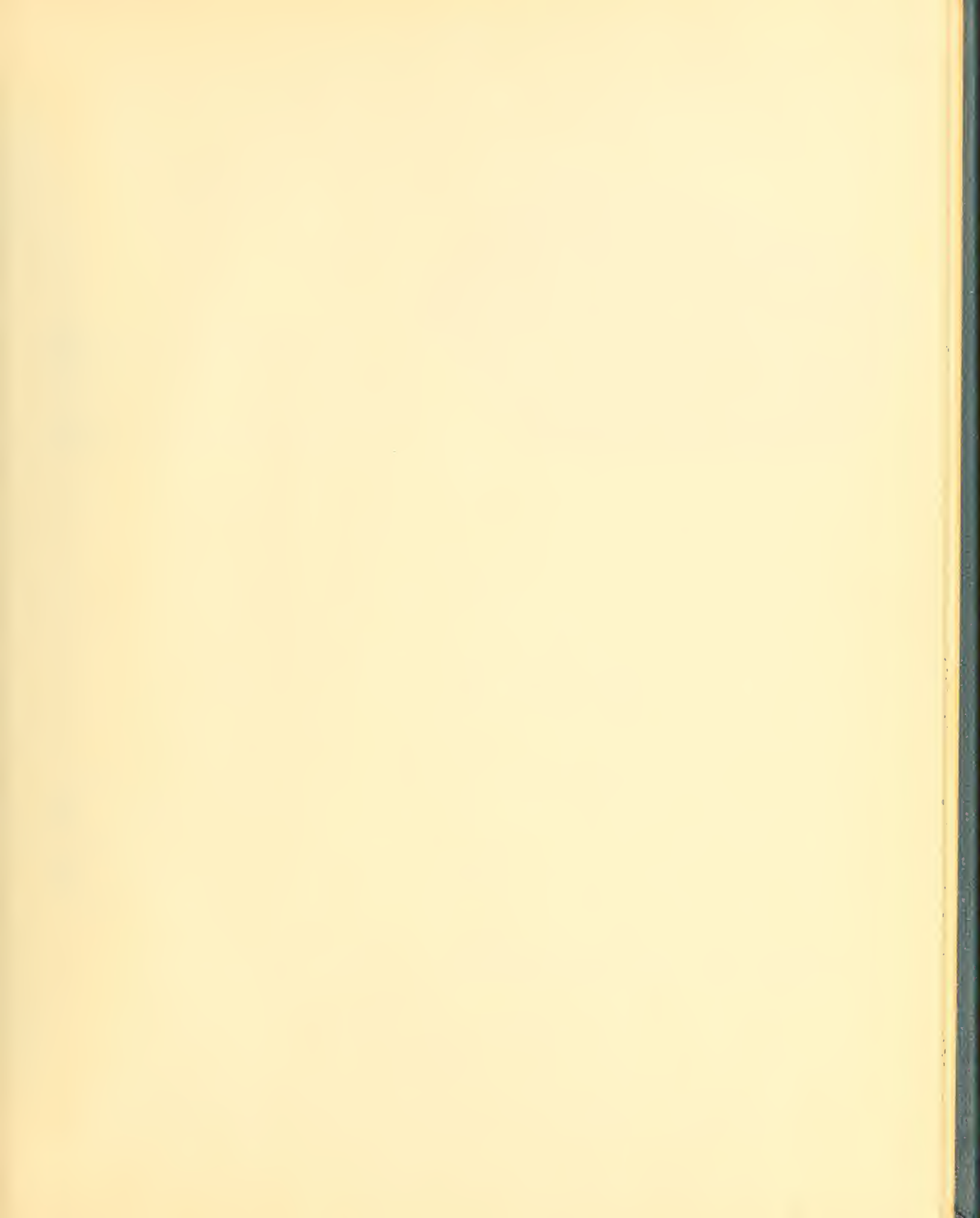
MATERIALS CONSUMED BY
SPECIALIZED
ESTABLISHMENTS IN
SELECTED INDUSTRIES

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**MATERIALS CONSUMED BY
SPECIALIZED ESTABLISHMENTS
IN SELECTED INDUSTRIES**



1954 Census of Manufactures



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1954 CENSUS OF MANUFACTURES REPORTS

INDUSTRY BULLETINS—Each bulletin contains introductory text and data for groups of related manufacturing industries, showing for each industry: 1954 statistics on detailed product shipments and materials consumption in terms of quantity and value, cost of fuels and electric energy, value added by manufacture, employment, payrolls, man-hours, inventories, new capital expenditures, horsepower of power equipment, and number of manufacturing establishments, with historical comparisons. Value of shipments, cost of materials, capital expenditures, and employment and payroll data are shown for each industry by geographic region and State. Number of employees, value added by manufacture, and number of establishments are shown by size class of establishment within industry. Data are provided on selected measures for specialized product plants.

STATE BULLETINS—Each bulletin contains introductory text and data for each State, showing for the State: 1954 statistics on value of shipments, value added by manufacture, employment, payrolls, man-hours, new capital expenditures, and number of manufacturing establishments for important industries and industry groups, with historical comparisons. For the State's important metropolitan areas and industrial counties, similar data are shown by industry group. Totals for all manufacturing industries are shown for the above statistics (except value of shipments) for all counties, standard metropolitan areas, and cities with 10,000 or more population. The number of establishments in each major industry group are presented by size of establishment within county.

SUBJECT BULLETINS—Each bulletin contains introductory text and detailed statistics for an individual subject, such as: Employment, payrolls, and man-hours; size of establishments; inventories; new capital expenditures; horsepower of power equipment; fuels and electric energy; industrial water use; important materials consumed.

CENSUS VOLUMES—The Industry, State, and Subject bulletins described above will be consolidated and issued as three separate bound volumes, together with full explanatory texts and technical appendixes. In addition, there will be a general summary chapter in all three volumes, summary statistics chapters for major industry groups in the Industry volume, and summary statistics chapters for geographic divisions in the Area volume.

SUGGESTED IDENTIFICATION

U. S. Bureau of the Census. *U. S. Census of Manufactures: 1954*
Subject Bulletin MC-306, Materials Consumed by Specialized Establishments
in Selected Industries

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INTRODUCTION

OUTLINE

1. Description of Report
2. Definition of Manufacturing Industries
3. Definition of Establishment
4. Industry Classification of Establishment
5. Cost of Materials, etc., Consumed
6. Individual Materials Consumed
7. Value of Shipments
8. Plant Specialization Data

1. Description of Report

This report presents materials consumption data for specialized establishments in the metal product and chemical areas of the manufacturing economy. The data were derived from a special tabulation of the 1954 Census of Manufactures which was compiled by the Bureau of the Census for the Business and Defense Services Administration.

In previous Census publications, detailed materials consumed data were, with minor exceptions, shown only at the total industry level. This publication is part of the program, begun in the 1954 Census of Manufactures, of showing data for establishments by degree of specialization in product classes and all primary products of each industry. Specialized establishments are those whose shipments of a single product class represent 90 percent or more of the total products shipped by the establishment or whose shipments of all primary products (products primary to the industry in which the establishment is classified) represent 90 percent or more of all product shipments of the establishment (see section 8 of this introduction).

The material requirements within an industry may vary widely from establishment to establishment. Where such variations occur, one of the important contributing factors may be the difference in material requirements of the various products of an industry when these products are produced in different proportions by establishments in the industry. The data in this bulletin provide some information on these differences.

The pattern of purchased materials consumed by specialized establishments is not necessarily typical of the process for making a given product class. Highly specialized establishments often manufacture only a portion of the total output of a given product class. Less specialized establishments in the same industry and establishments classified in other industries may also be important producers. In addition to the degree of product specialization, materials requirements may vary considerably because the processes carried on by particular establishments in the industry may be markedly different. The table which follows shows value of shipments for all establishments as well as specialized establishments indicating coverage of the specialized establishment data at the 4-digit level. Table 5B of the 1954 Census of Manufactures Volume II, Industry Statistics, for the primary industry of the product class provides information as to the various industries in which a given product class is manufactured.

The study covered only Major Groups 28 and 33-38. Also, the data for some of the industries and product classes were withheld for a variety of reasons, principally to avoid disclosing the operations of individual companies.

Data in these tables include (1) total value of shipments for the entire 4-digit industry, (2) both value of shipments and selected materials consumed for establishments specializing 90 percent or more in the primary products of the industry, and (3) value of shipments and selected materials consumed by establishments specializing 90 percent or more in specified product classes.

2. Definition of Manufacturing Industries

The 1954 Census of Manufactures covers all establishments primarily engaged in manufacturing as defined in the Standard Industrial Classification Manual, Volume I, Manufacturing Industries, dated November 1945, as amended by the Bureau of the Budget. This system of classification is in general use among Government agencies and also outside the

Government. The Manual defines manufacturing as the mechanical or chemical transformation of inorganic or organic substances into new products. The assembly of component parts of products is also considered to be manufacturing if the resulting product is neither a structure nor other fixed improvement. These activities are usually carried on in plants, factories, or mills, which characteristically use power-driven machines and materials-handling equipment.

Manufacturing production is usually carried on for the wholesale market, for transfer to other plants of the same company, or to the order of industrial users rather than for direct sale to the household consumer. Some manufacturers in a few industries sell chiefly at retail to household consumers through the mail, through house-to-house routes, or through salesmen. Some activities of a service nature (enameling, engraving, etc.) when performed primarily for the trade are included in manufacturing; when performed primarily to the order of the household consumer, they are considered non-manufacturing.

The Standard Industrial Classification Manual, issued November 1945, was amended slightly by the Bureau of the Budget prior to the 1954 Census. In classifying establishments by industry in the 1954 Census of Manufactures, the Census Bureau followed the amended version of the Standard Industrial Classification. Significant changes in the standard classification from the 1945 edition are discussed in the introductory texts for the industries affected.

3. Definition of Establishment

The Census of Manufactures is conducted on an establishment basis. That is, a company operating establishments at more than one location is required to submit a report for each location; also, companies engaged in distinctly different lines of activity at one location are required to submit separate reports if the plant records permit such a separation and if the activities are substantial in size. Census tabulations of establishment reports, therefore, differ substantially from those prepared on a company basis, i.e., from consolidated reports which not only combine activities at different locations (thereby eliminating interplant transfers) but also include the nonmanufacturing activities of companies primarily engaged in manufacturing. Census figures will also differ to some extent from other tabulations based on establishment reports, where the definition of an establishment as to location and line of activity is not so rigidly applied.

In 1954, as in earlier years, a minimum size limit was set for including establishments in the census. In both the 1954 and 1947 Censuses, reports were required from all establishments employing one or more persons at any time during the census year, whereas in prior Censuses establishments with less than \$5,000 value of products were excluded. The change in the minimum size limit in 1947 does not appreciably affect the historical comparability of the Census figures except for data on number of establishments for a few industries.

4. Industry Classification of Establishments

Each of the establishments covered in the census was classified in one of approximately 460 manufacturing industries in accordance with the industry definitions embodied in the Standard Industrial Classification system. Under this system of classification, an industry is generally defined as a group of establishments producing a single product or more or less closely related group of products. The product groupings from which industry classifications are derived are based on such considerations as whether they are typically produced by the same establishment, similarity of manufacturing processes, types of material used, types of customers, and the like. The group of products assigned to an industry is said to be "primary" to that industry. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of products of any other single industry. In a few instances, however, the industry classification of an establishment is determined not only by the products it makes but also by the processes employed in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to this extent. The value of shipments shown for an industry, therefore, reflect not only the primary activities of the establishments in that industry but also their activities of a secondary nature.

5. Cost of Materials, etc., Consumed

A summary inquiry on the 1954 Census report forms requested information on the cost of materials, supplies, semi-finished goods, fuels and electric energy, actually consumed or put into production during the year, whether purchased, withdrawn from inventories, or received from other establishments of the company, as well as the cost of contract work. "Cost" refers to direct charges actually paid or payable for items consumed or put into production during the year, after discounts, and including freight charges and other direct charges incurred by the establishment in acquiring these materials.

Under the general heading "Cost of materials, etc." separate figures were obtained for (a) the total delivered cost of all raw materials, semi-finished goods, parts, components, containers, scrap, and supplies consumed or put into production; (b) the amount paid for electric energy purchased; (c) the amount paid for all fuels consumed for heat, power, or the generation of electricity; and (d) the cost of work done by others on materials or parts furnished by the reporting manufacturing establishment (contract work). The cost of materials figure published for each industry does not include the separately reported cost of products bought and resold in the same condition; also, it excludes the cost of purchased services, such as advertising, insurance, telephone, and research; it excludes overhead costs, such as depreciation charges, rent, interest, etc.; it excludes materials, machinery and equipment used in replacement or expansion of plant or capitalized repairs which are chargeable to fixed assets accounts.

Where the respondent's records did not show the actual amounts consumed or put into production during 1954, he was permitted to enter purchase figures provided purchases closely approximated consumption during the year. For minor materials and supplies, the substitution of purchase records was accepted regardless of the variation between purchases and consumption. If for any major material, however, the two measures differed significantly, the manufacturer was instructed to derive an estimated consumption figure by adding purchases (or receipts) to amounts on hand at the beginning of the year and subtracting amounts on hand at the end of the year. While it was not feasible to audit the resulting figures reported for materials and supplies consumed, enough checks of consistency were made so that it is believed that the aggregates reported are close approximations of actual consumption.

In the case of materials received from other plants of the same company or from a central materials depot (whether at the same or different physical location) the respondent was asked to approximate the commercial value of these materials, including freight and other direct handling charges. For some industries in which there was no satisfactory market counterpart of the transferred material, special instructions were necessary. The respondent was also asked, where possible, to check that such approximated costs exceeded the value of shipments reported by the company's plant producing and transferring the goods only by the addition of freight and other direct charges.

It should be noted that the cost of fuel consumed under (c) above (including anthracite and bituminous coal, natural and manufactured gas, fuel oil, liquefied petroleum gas, and other fuels) does not include fuel used as a material in the manufacturing process, for example, coal used in the production of coke. Such costs were included with other materials costs in category (a) above.

A summation of industry figures for cost of materials would result in large and unknown amounts of duplication in industry group totals, owing to the addition of costs reported by related industries engaged in successive fabrication stages in the production of finished manufactured products. For this reason, cost of materials figures are not shown at the industry group (3-digit) and major industry group (2-digit) levels. With some important exceptions (such as Blast Furnaces and Steel Mills, Radios and Related Products, and Motor Vehicles and Parts) this duplication is not significant within individual industries.

6. Individual Materials Consumed

In addition to the total cost of materials, fuels, etc., which every establishment was required to report, quantity and cost information was collected on the use of 433 specific materials. Consumption information was also collected for an additional 762 items as part of the product sections of the report forms. The latter group typically consisted of items which were produced and also consumed by the producing establishments or by other establishments in the same industry. For example, many chemical plants produced a basic chemical and then used it in further processes. Also in the steel industry, data on receipts and consumption of mill shapes were obtained as part of the inquiry calling for the production and shipments of these shapes.

Materials were covered in two ways. For 230 materials, every industry that consumed appreciable quantities of the material was canvassed so that the data would represent at least ninety percent of the total consumption by manufacturing industries. For the remaining 203 materials, information on consumption was obtained on a more limited basis, generally only from those industries in which the materials were an important part of total material costs. Of the 762 products for which consumption information was obtained, industries accounting for ninety percent or more of manufacturing consumption were covered for about 300 items.

Because American industry uses an enormous variety of materials, the number of materials for which "complete" coverage consumption data (90 percent or higher) were obtained had to be strictly limited. The selection of a particular material for such coverage was, therefore, based on the following criteria:

- (1) The importance of the material as measured by the total value of United States consumption of the material,
- (2) The percentage of total consumption accounted for by manufacturing establishments,
- (3) The availability of consumption information from manufacturers' records,
- (4) In certain instances, other factors such as the strategic importance of the material or the availability of historical data on the use of the material.

The materials included on a limited coverage basis were chosen not only because they constituted important inputs for particular industries but, frequently, because they provided necessary classification-type information and other indirect measures. For example, an industry's production was of a heterogeneous character and materials consumed afforded a better measure of physical output than could be obtained from available production data.

Tabulated data on the materials consumed in an industry are usually shown in the report for that industry. In addition, for the 230 materials covered on a complete basis (see above), consumption by all industries and, frequently, by States is shown in the Summary Volume. The data on materials consumed relate generally to the quantity and cost of materials purchased from other companies or obtained from other plants of the same company. However, for selected materials which are also importantly produced for use within the same establishment, information was requested on such captive production in quantity terms only.

Some undercoverage exists in the statistics for most individual materials. This undercoverage results from the fact that:

- (1) Individual materials consumption information was obtained only from establishments using one of the Census of Manufactures standard forms. For the most part, therefore, plants with fewer than six employees are not represented in the statistics. A rough indication of the effect of short forms on the materials covered can be derived from an analysis of the size of establishment tables which appear in the industry reports in the Industry Volume and in a separate chapter of the Summary Volume.
- (2) Establishments consuming less than a specified amount of a material were not requested to report consumption of the material separately. For the majority of individual materials, the minimum amount was \$5,000.

The use of such cut-offs, as well as short forms, is not believed to have had a significant effect on the totals for most materials. However, for industries where a sizeable proportion of the activity is accounted for by small establishments or where a specified material is used in relatively small quantities, the above limitations may be of some consequence.

In the area of metal mill shapes and castings, the minimum amounts to be reported separately in the 1947 Census were 50 tons for carbon steel shapes, 25 tons for alloy steel and 10 tons for stainless steel, nonferrous mill shapes and castings. The reporting cut-off for each of these metals in 1954 was \$5,000. Because of the dominance of large consuming establishments in the totals for these materials, however, the effect of the difference in cut-offs between the two years is believed to be negligible.

7. Value of Shipments

The amounts under value of shipments both for industries and for individual products or classes of products are the received or receivable net selling values, f.o.b. plant, after discounts and allowances, and excluding freight charges and excise taxes. However, where the products of an industry are customarily delivered by the manufacturing establishments (bakery products, fluid milk, soft drinks, for example) the value of shipments if based on the delivered price of the goods rather than the f.o.b. plant price. For the tobacco and other industries where excise taxes are important, such taxes are covered separately.

Under the general heading of shipments, manufacturers were asked to include all items, made by or for each establishment from materials owned by it, whether sold, transferred to other plants of the same company, or shipped on consignment. Also included were receipts for contract work and for such miscellaneous activities as sale of scrap and refuse, installation work by manufacturing plant employees, research and development work, and repair work. The net selling value of products made in one plant on a contract basis from materials owned by others was reported by the plant providing the materials. The value of products bought and resold without further processing (merchandising) was reported separately and is excluded from the value of shipments figures shown in all tables; the value and cost of resales are, however, shown separately in table 3 of the Industry Volume.

In the case of multi-unit companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company (i. e., other manufacturing plants, separate sales branches, or retail stores) at "the nearest approximation to corresponding commercial values, f.o.b. plant, and not the cost of production."

The industry "value of shipments" is necessarily different from the value of shipments of the group of products regarded as "primary" to the industry. The value of shipments of primary products of an industry (Tables 5 and 6 of the Industry Volume) includes the value of such products reported by all producers, including those establishments in other industries which make these items as "secondary" products. However, that value does not include the value of secondary products of establishments classified in the industry, nor receipts of such establishments for contract work and other miscellaneous activities. The general use of shipments as the basis for valuing the output of manufacturing industries differs from the practice for all censuses except those for 1947 and 1929. The selection of shipments in recent censuses was made in order to facilitate direct reporting from records of sales, shipments, or billings. Value of shipments for 1954 and 1947 may, however, be directly compared with value of products for earlier years. In the first place, it is likely that in earlier censuses many manufacturers valued their output in terms of shipments even though value of production was requested. Secondly, the changes in the value of finished goods inventories for most industries were of minor importance and there was, therefore, little difference between production and shipments in 1954, 1957, and 1939 Censuses. The "value of production" was requested in the 1954 Census for a relatively few industries where such records are generally maintained in place of shipment figures and reporting of the latter would have involved undue difficulty for the respondent. These instances are noted in the tables and descriptive text for the industries involved.

8. Plant Specialization Data

In response to needs expressed by data users, a program of plant specialization statistics was developed for the 1954 Census of Manufactures. These data provide a more exact measurement of the relationship between the output of an industry and the statistics on employment and payrolls, cost of materials, etc., reported by the same industry. The plant specialization data (in table 8 of the Industry Volume and Chapter XI of the Summary Volume) importantly supplement the information presented in the industry tables 5A and 5B.

Specialization for an establishment is computed in two ways. The first computation is in terms of the ratio of all the primary products of the establishment to its total of primary plus secondary products. The second in terms of the ratio of the largest single product class of the establishment to its total of primary plus secondary products. Receipts for contract and commission work as well as other miscellaneous receipts are not included in the plant specialization computation. Establishments are then grouped according to their degrees of specialization at the two levels. The statistics presented in table 8 group establishments in four specialization ranges for most industries: 90 percent or more, 75-89 percent, 50-74 percent, and less than 50 percent. For each of these ranges at the two levels (all primary products and the product class), statistics are shown on employment and payrolls, value added, cost of materials, and value of shipments.

Not all industries or all product classes are included in table 8 in each of the industry chapters. Industries having a high degree of primary product specialization (90 percent or more--see table 3 of the industry chapters) and including only one product class are omitted since the statistics for the specialized establishments would be approximately the same as those for the entire industry. In addition, selected industries having more than one product class as well as particular specialization ranges within a product class may have been omitted in order to avoid disclosing individual company figures.

Certain product classes are primary to more than one industry. The industry classification of establishments primarily producing such classes of products is determined on the basis of the kind of operation performed in the establishment, e.g., making the product from purchased materials or from materials produced at the same location. In the plant specialization data (table 8), product classes primary to two or more industries are shown in each of the respective industries. For each industry, the specialization data by industry and product class include only those establishments producing the class of product in the manner defined (e.g., lubricating oils from purchased materials).

Table 8 of the Industry Volume permits analysis of an industry in terms of the differences introduced by variation among establishments in the degree of specialization in the products of the industry or subgroup thereof. For example, where the ratios of various statistics tend to be different for establishments specializing to different degrees in the products of the industry or in different product classes, such ratios for the industry as a whole would be importantly affected by shifts in product mix. It should be noted that for those industries in which a production process results in the manufacture of by-products or other similarly highly correlated products which are separate product classes in the Census, the degree of specialization in each of the product classes tends to be somewhat lower.

Differences in the degree of integration of production processes within establishments are often more important than the element of product mix. No comprehensive industry by industry measure of variations in production processes among establishments is available in the 1954 Census tables. A partial measure of differences arising from this factor can be derived for some industries through the metalworking operations or other equipment data. For some other industries, data on the production and use of products within the same establishment may be used as an approximate measure.

Statistics for establishments highly specialized in the products of their industry classification are also presented in table 3 of the Industry Volume for industries with a primary product specialization ratio of less than 90 percent. This permits a direct comparison of the statistics for the specialized establishments with the totals for the industry. However, the proportion of the total industry represented by the specialized establishments should be considered in the analytical use of the statistics for such establishments.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES

(This table presents material consumption data for establishments specializing 90 percent or more in the manufacture of (1) products primary to the industry in which the establishment is classified (industry specialization and (2) specified product classes (product specialization).

The degree of "industry" specialization is the ratio of primary product shipments of the establishment to the total primary and secondary product shipments of the establishment. The degree of product class specialization is the ratio of shipments of the specified product class to total primary and secondary product shipments of the establishment. Data are not shown for some industries, product classes and materials for a variety of reasons.

Materials listed after the industry title (4-digit code) are those consumed by establishments specializing in primary products of the specified industry. Materials listed after the product class titles (5-digit codes) are those consumed by establishments specializing in the specified product class)

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
2811		SULFURIC ACID:				
		All establishments in industry.....	139,270	.....	...	...
		Establishments with 90 percent or more industry specialization.	59,641	.....	...	...
	147711	Sulfur, crude ¹.....	...	Long ton...	621,804	19,987
2819 ²		INORGANIC CHEMICALS, N.E.C.:				
		All establishments in industry.....	1,859,372	.....	...	...
		Establishments with 90 percent or more industry specialization.	809,730	.....	...	...
	105111	Bauxite.....	...	Short ton..	6,587,557	78,085
	131311	Natural gas (used as a raw material).....	...	Mil. cu. ft.	32,443	7,414
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	659,723	13,731
	281211	Chlorine.....	...	..do.....	68,159	4,789
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	189,759	9,030
	281231	Sodium carbonate (soda ash).....	...	..do.....	974,003	31,853
	281931	Ammonia, synthetic, anhydrous.....	...	..do.....	117,496	9,767
	293211	Coke.....	...	..do.....	605,037	8,156
		Establishments with 90 percent or more product specialization:				
		Synthetic ammonia nitric acid, and ammonia compound.....	121,437	.....	...	...
	131311	Natural gas (used as a raw material).....	...	Mil. cu. ft.	25,547	4,124
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	3,734	262
	281931	Ammonia, synthetic, anhydrous.....	...	..do.....	90,534	7,316
28192		Chlorine and other bleaching compounds.....	53,233	.....	...	...
	281211	Chlorine.....	...	Short ton..	43,203	3,142
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	44,525	2,735
28197		Other inorganic chemicals.....	175,849	.....	...	...
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	79,878	2,011
	281211	Chlorine.....	...	..do.....	7,361	563
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	4,104	217
	281231	Sodium carbonate (soda ash).....	...	..do.....	47,387	1,370
	293211	Coke.....	...	..do.....	572,597	7,528
282 ²		INTERMEDIATES AND ORGANIC COLORS:				
		All establishments in industry.....	715,602	.....	...	...
		Establishments with 90 percent or more industry specialization.	118,101	.....	...	...
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	28,185	748
	281211	Chlorine.....	...	..do.....	9,257	560
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	11,644	687
	281231	Sodium carbonate (soda ash).....	...	..do.....	4,888	205
	281931	Ammonia, synthetic, anhydrous.....	...	..do.....	1,020	93
	282151	Naphthalene, grades of 77.5° C or higher.....	...	1,000 lbs..	46,825	2,441
	282211	Aniline.....	...	..do.....	1,198	241
	282221	Chlorobenzene.....	...	..do.....	1,475	152
	282241	Nitrobenzene.....	...	..do.....	2,200	234
	282251	Phenol.....	...	..do.....	4,118	480
	282261	Phthalic anhydride.....	...	..do.....	2,075	443
	282945	Ethylene glycol.....	...	..do.....	377	60
	282951	Formaldehyde.....	...	..do.....	407	21
	293231	Benzol (benzene).....	...	..do.....	179,129	10,461
		Establishments with 90 percent or more product specialization:				
		Cyclic (coal-tar) intermediates.....	39,460	.....	...	...
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	3,065	124
28222		Cyclic (coal-tar) dyes.....	43,064	.....	...	...
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	17,316	438
	281211	Chlorine.....	...	..do.....	653	53
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	6,394	405
	282211	Aniline.....	...	1,000 lbs..	715	147
	282221	Chlorobenzene.....	...	..do.....	1,207	124
	282241	Nitrobenzene.....	...	..do.....	1,042	115
	282951	Formaldehyde.....	...	..do.....	172	9
2823 ²		PLASTICS MATERIALS:				
		All establishments in industry.....	1,231,448	.....	...	...
		Establishments with 90 percent or more industry specialization.	816,495	.....	...	...
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	132,710	2,949
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	99,379	6,149
	282251	Phenol.....	...	1,000 lbs..	100,693	13,394
	282261	Phthalic anhydride.....	...	..do.....	22,798	4,594
	282271	Styrene.....	...	..do.....	279,001	56,311
	282925	Amyl, butyl, methyl, and propyl (alcohol).....	...	1,000 gals..	21,172	7,103
	282937	Cellulose acetate.....	...	1,000 lbs..	62,370	19,412
	282951	Formaldehyde.....	...	..do.....	186,296	6,562
	282955	Maleic anhydride.....	...	..do.....	3,666	1,002
	282965	Urea.....	...	..do.....	50,742	3,247
	284111	Glycerine.....	...	..do.....	33,037	10,309

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
2823 ²		PLASTICS MATERIALS--Continued				
28235		Establishments with 90 percent or more product specialization:				
		Synthetic resins, except protective coatings.....	240,819	.....	...	...
	282251	Phenol.....	...	1,000 lbs...	29,247	4,492
	282271	Styrene.....	...	..do.....	68,179	13,961
	282925	Amyl, butyl, methyl, and propyl (alcohol).....	...	1,000 gals..	6,334	2,173
	282951	Formaldehyde.....	...	1,000 lbs...	141,640	4,953
	282965	Urea.....	...	..do.....	32,201	2,044
2825 ²		RAYON, ACETATE, NONCELLULOSIC, SYNTHETIC FIBERS, AND RELATED PRODUCTS:				
		All establishments in industry.....	1,240,942	.....	...	...
		Establishments with 90 percent or more industry specialization.	1,075,982	.....	...	...
	261115	Purchased (market) wood pulp.....	...	Short ton..	421,284	81,324
	281111	Sulfuric acid, exc. spent acid.....	...	..do.....	531,817	11,874
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	377,384	21,952
	281971	Sodium sulfate (salt cake, crude).....	...	..do.....	2,250	50
	282935	Carbon disulfide.....	...	..do.....	131,997	14,135
2829 ²		ORGANIC CHEMICALS, N.E.C.:				
		All establishments in industry.....	2,198,687	.....	...	...
		Establishments with 90 percent or more industry specialization.	674,992	.....	...	...
	131311	Natural gas (used as a raw material).....	...	Mil. cu. ft.	2,392	288
	147711	Sulfur, crude.....	...	Long ton...	189,596	6,949
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	179,059	3,975
	281211	Chlorine.....	...	..do.....	271,049	15,537
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	84,436	4,908
	281231	Sodium carbonate (soda ash).....	...	..do.....	11,774	418
	281931	Ammonia, synthetic, anhydrous.....	...	..do.....	45,595	3,909
	282251	Phenol.....	...	1,000 lbs...	8,828	1,329
	282261	Phthalic anhydride.....	...	..do.....	13,442	2,714
	282925	Amyl, butyl, methyl, and propyl (alcohol).....	...	1,000 gals..	11,032	3,321
	293231	Benzol (benzene).....	...	1,000 lbs...	16,906	945
28293		Establishments with 90 percent or more product specialization:				
		Miscellaneous acyclic chemicals.....	504,880	.....	...	...
	131311	Natural gas (used as a raw material).....	...	Mil. cu. ft.	2,392	288
	147711	Sulfur, crude.....	...	Long ton...	186,668	6,852
	281111	Sulfuric acid, exc. spent acid.....	...	Short ton..	106,445	2,196
	281211	Chlorine.....	...	..do.....	259,870	14,862
	281221	Sodium hydroxide (caustic soda).....	...	..do.....	64,489	3,689
	281231	Sodium carbonate (soda ash).....	...	..do.....	5,683	193
	281931	Ammonia, synthetic, anhydrous.....	...	..do.....	44,321	3,780
	282925	Amyl, butyl, methyl, and propyl (alcohol).....	...	1,000 gals..	7,713	2,137
	293231	Benzol (benzene).....	...	1,000 lbs...	11,669	694
2841 ²		SOAP AND GLYCERINE:				
		All establishments in industry.....	959,679	.....	...	...
		Establishments with 90 percent or more industry specialization.	602,429	.....	...	...
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	24,044	7,650
	281231	Sodium carbonate (soda ash).....	...	..do.....	38,822	1,437
	281951	Tetrasodium pyrophosphate.....	...	..do.....	17,200	2,681
	284151	Soap.....	...	..do.....	5,990	1,058
	284211	Bulk surface active agents, primarily for detergent purposes.....	...	1,000 lbs...	31,925	5,306
28412		Establishments with 90 percent or more product specialization:				
		Soaps, except specialty, bulk.....	2,208	.....	...	...
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	176	14
2842 ²		CLEANING AND POLISHING PREPARATIONS:				
		All establishments in industry.....	560,059	.....	...	...
		Establishments with 90 percent or more industry specialization.	340,341	.....	...	...
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	44,750	3,196
	281231	Sodium carbonate (soda ash).....	...	..do.....	18,718	695
	281951	Tetrasodium pyrophosphate.....	...	..do.....	27,060	4,292
	281955	Sodium tripolyphosphate.....	...	..do.....	33,291	5,464
	284151	Soap.....	...	..do.....	10,371	2,358
28423		Establishments with 90 percent or more product specialization:				
		Specialty detergents.....	29,592	.....	...	...
	282971	Bulk surface active agents, other (emulsifiers, etc.).....	...	1,000 lbs...	270	55
	284151	Soap.....	...	Short ton..	173	112
	284211	Bulk surface active agents, primarily for detergent purposes.....	...	1,000 lbs...	351	81
28424		Polishing preparations and related products.....	150,157	.....	...	...
	282971	Bulk surface active agents, other (emulsifiers, etc.).....	...	1,000 lbs...	3,515	2,068
	284151	Soap.....	...	Short ton..	129	44
28425		Alkaline detergents.....	8,099	.....	...	...
	281221	Sodium hydroxide (caustic soda).....	...	Short ton..	1,231	105
	281231	Sodium carbonate (soda ash).....	...	..do.....	2,547	102
	281951	Tetrasodium pyrophosphate.....	...	..do.....	886	150
	281955	Sodium tripolyphosphate.....	...	..do.....	1,586	277
	282971	Bulk surface active agents, other (emulsifiers, wetting agents, etc.).....	...	1,000 lbs...	448	91
	284151	Soap.....	...	Short ton..	272	65
	284211	Bulk surface active agents, primarily for detergent purposes.....	...	1,000 lbs...	3,178	428

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
2862		SOFTWOOD DISTILLATION:				
		All establishments in industry.....	88,650	.....	...	...
		Establishments with 90 percent or more industry specialization.....	14,877	.....	...	...
	241119	Stumps, softwood.....	...	Short ton...	490,222	3,899
2871 ²		FERTILIZERS:				
		All establishments in industry.....	533,448	.....	...	...
		Establishments with 90 percent or more industry specialization.....	470,133	.....	...	...
	140011	Secondary plant food (limestone, magnesium oxide, copper compounds, etc.) except sulfur.....	...	Short ton...	449,027	2,360
	144151	Inert fillers.....	...	do.....	523,707	1,587
	147411	Muriate of potash - 60-62% K ₂ O.....	...	do.....	1,194,825	42,402
	147421	Muriate of potash - 50% K ₂ O.....	...	do.....	28,490	1,103
	147441	Sulfate of potash.....	...	do.....	66,321	3,092
	147451	Sulfate of potash - magnesia.....	...	do.....	30,175	870
	147461	Other potash bearing materials, excluding potassium nitrate.....	...	do.....	2,882	100
	147511	Phosphate rock (used in the manufacture of superphosphate).....	...	Long ton....	5,046,061	61,760
	147711	Sulfur, crude.....	...	do.....	819,484	26,313
	149811	Soil conditioners (peat, nut hulls, and citrus meals).....	...	Short ton...	65,395	724
	280021	Chemical containing nitrogen and potassium (include potassium nitrate).....	...	do.....	1,853	117
	280031	Chemical containing nitrogen only.....	...	do.....	30,622	959
	280049	Other organic ammoniates, including tobacco stems.....	...	do.....	112,210	1,757
	281111	Sulfuric acid, except spent acid?.....	...	do.....	1,302,310	22,442
	281135	Spent sulfuric acid transferred from other plants or purchased and used in the manufacture of superphosphate.....	...	do.....	373,392	6,464
		Chemical nitrogenous:				
	281931	Ammonia, synthetic, anhydrous.....	...	do.....	147,995	13,353
	281935	Ammonium nitrate.....	...	do.....	18,507	1,366
	281941	Ammoniating or nitrogen solutions.....	...	do.....	166,520	24,096
	281961	Nitrate of soda.....	...	do.....	28,449	1,441
	281965	Sulfate of ammonia.....	...	do.....	463,911	22,991
	281975	Calcium cyanamide.....	...	do.....	3,624	217
	281991	Phosphoric acid transferred or purchased and used in the manufacture of superphosphate.....	...	do.....	48,064	3,110
	287111	Ammonium nitrate and limestone mixtures (calnitro, ANL, etc.).....	...	do.....	12,975	695
	287121	Superphosphate, normal (22% A.P.A. and less).....	...	do.....	29,280	2,928
	287131	Superphosphate, concentrated (40% A.P.A. and over).....	...	do.....	159,296	20,758
	287151	Concentrated superphosphate transferred or purchased and used in the manufacture of ordinary (normal) superphosphate.....	...	do.....	1,276	119
	288111	Cottonseed meal.....	...	do.....	9,766	632
28711		Establishments with 90 percent or more product specialization:				
		Mixed fertilizers, complete and incomplete.....	181,131	.....	...	...
	140011	Secondary plant food (limestone, magnesium oxide, copper compounds, etc.) except sulfur.....	...	Short ton...	187,784	856
	144151	Inert fillers.....	...	do.....	189,621	551
	147411	Muriate of potash - 60-62% K ₂ O.....	...	do.....	626,066	22,052
	147421	Muriate of potash - 50% K ₂ O.....	...	do.....	1,123	36
	147441	Sulfate of potash.....	...	do.....	29,110	1,370
	147451	Sulfate of potash - magnesia.....	...	do.....	8,925	259
	147511	Phosphate rock (used in the manufacture of superphosphate).....	...	Long ton....	1,207,378	17,926
	147711	Sulfur, crude.....	...	do.....	125,891	3,964
	149811	Soil conditioners (peat, nut hulls, and citrus meals).....	...	Short ton...	30,822	333
	201021	Meat scrap and tankage.....	...	do.....	3,359	326
	280043	Urea and calurea (nitrogen content).....	...	do.....	3,704	473
	280049	Other organic ammoniates including tobacco stems.....	...	do.....	41,569	772
	281111	Sulfuric acid, except spent acid?.....	...	do.....	628,546	11,298
	281135	Spent sulfuric acid transferred from other plants or purchased and used in the manufacture of superphosphate.....	...	do.....	86,365	1,599
		Chemical nitrogenous:				
	281931	Ammonia, synthetic, anhydrous.....	...	do.....	101,981	8,960
	281935	Ammonium nitrate.....	...	do.....	5,816	418
	281941	Ammoniating or nitrogen solution.....	...	do.....	73,635	10,952
	281961	Nitrate of soda.....	...	do.....	15,086	727
	281965	Sulfate of ammonia.....	...	do.....	203,770	10,296
	281975	Calcium cyanamide.....	...	do.....	1,158	72
	281991	Phosphoric acid transferred or purchased and used in the manufacture of superphosphate.....	...	do.....	22,181	1,452
	287111	Ammonium nitrate and limestone mixtures (calnitro, ANL, etc.).....	...	do.....	9,232	496
	287121	Superphosphate - normal (22% A.P.A. and less).....	...	do.....	15,500	1,550
	287131	Superphosphate - concentrated (40% A.P.A. and over).....	...	do.....	77,800	10,192
	288111	Cottonseed meal.....	...	do.....	2,837	190
28713		Superphosphate.....	53,803	.....	...	...
	147511	Phosphate rock (used in the manufacture of superphosphate).....	...	Long ton....	1,175,409	9,346
	147711	Sulfur, crude.....	...	do.....	339,067	10,356
	281111	Sulfuric acid, except spent acid?.....	...	Short ton...	160,932	2,570
2872 ²		FERTILIZERS, MIXING ONLY:				
		All establishments in industry.....	329,328	.....	...	...
		Establishments with 90 percent or more industry specialization.....	280,856	.....	...	...
	140011	Secondary plant food (limestone, magnesium oxide, copper compounds, etc.) except sulfur.....	...	Short ton...	383,729	2,243
	144151	Inert fillers.....	...	do.....	529,178	1,782
	147411	Muriate of potash - 60-62% K ₂ O.....	...	do.....	857,640	30,496
	147421	Muriate of potash - 50% K ₂ O.....	...	do.....	14,257	481

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
2872 ²		FERTILIZERS, MIXING ONLY--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	147431	Muriate of potash - manure salts (30% K ₂ O and under).....	...	Short ton...	1,049	21
	147441	Sulfate of potash.....	...	do.....	59,700	2,903
	147451	Sulfate of potash - magnesia.....	...	do.....	55,072	1,817
	147461	Other potash bearing materials, excluding potassium nitrate	...	do.....	8,074	312
	147711	Sulfur, crude.....	...	Long ton...	1,391	56
	147911	Pyrites.....	...	do.....	1,400	15
	149811	Soil conditioners (peat, nut hulls, and citrus meals).....	...	Short ton...	40,924	487
	280021	Other chemical nitrogenous materials containing nitrogen and potassium (including potassium nitrate).....	...	do.....	6,322	395
	280031	Other chemical nitrogenous materials containing nitrogen only.....	...	do.....	18,064	789
	280049	Other organic ammoniates including tobacco stems.....	...	do.....	45,684	1,371
	281111	Sulfuric acid, except spent acid.....	...	do.....	41,618	930
	281135	Spent sulfuric acid transferred from other plants or purchased and used in the manufacture of superphosphate... Chemical nitrogenous:	...	do.....	13,646	241
	281931	Ammonia, synthetic, anhydrous.....	...	do.....	36,706	3,258
	281935	Ammonium nitrate.....	...	do.....	60,314	4,514
	281941	Ammoniating or nitrogen solutions.....	...	do.....	158,462	19,911
	281961	Nitrate of soda.....	...	do.....	73,948	3,603
	281965	Sulfate of ammonia.....	...	do.....	397,843	19,835
	281975	Calcium cyanamide.....	...	do.....	6,941	457
	281991	Phosphoric acid transferred or purchased and used in the manufacture of superphosphate.....	...	do.....	653	53
	287111	Ammonium nitrate and limestone mixtures (calnitro, ANL, etc.)	...	do.....	31,077	1,626
	287121	Superphosphate - normal (22% A.P.A. and less).....	...	do.....	455,111	45,511
	287126	Superphosphate - enriched (over 22% and under 40% A.P.A.)..	...	do.....	8,583	1,038
	287131	Superphosphate - concentrated (40% A.P.A. and over).....	...	do.....	146,314	19,163
	287141	Superphosphate - wet base goods.....	...	do.....	3,950	442
	288111	Cottonseed meal.....	...	do.....	15,128	1,105
2897		INSECTICIDES AND FUNGICIDES:				
		All establishments in industry.....	174,613	.....	...	...
		Establishments with 90 percent or more industry specialization.	105,603	.....	...	...
	147711	Sulfur, crude.....	...	Long ton...	125,157	3,885
3312		STEEL WORKS AND ROLLING MILLS:				
		All establishments in industry.....	10,587,608	.....	...	...
		Establishments with 90 percent or more industry specialization.	(4)	.....	...	...
	101111	Iron ore.....	...	Gross weight short ton..	6,146,347	82,979
	106211	Manganese ore (containing 5% or more manganese).....	...	do.....	2,272	255
	281111	Sulfuric acid, except spent acid.....	...	Short ton...	654,316	14,407
	331251	Pig iron.....	...	do.....	46,990,426	1,922,987
	331281	Steel rolls for rerolling.....	...	do.....	416,104	17,585
	331311	Ferromanganese.....	...	do.....	608,752	128,987
	331312	Spiegeleisen.....	...	do.....	31,785	2,652
	331314	Ferrosilicon (over 6% silicon).....	...	do.....	177,412	24,800
	331316	Ferrochromium.....	...	do.....	170,036	66,228
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingot, etc.).....	...	do.....	31,916	11,915
	333921	Cobalt.....	...	Pounds.....	659,946	2,170
	335921	Nickel.....	...	Short ton...	31,861	35,805
	941011	Iron and steel scrap, purchased.....	...	do.....	16,008,124	451,890
33122		Establishments with 90 percent or more product specialization:				
		Semifinished steel mill shapes and forms.....	211,476	.....	...	...
	331311	Ferromanganese.....	...	Short ton...	28,231	5,874
	331314	Ferrosilicon (over 6% silicon).....	...	do.....	6,745	743
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingot, etc.).....	...	do.....	1,406	524
33127		Hot rolled bars and bar shapes.....	103,316	.....	...	...
	331251	Pig iron.....	...	Short ton...	2,250	121
	331281	Steel rolls for rerolling.....	...	do.....	199,547	8,752
	331311	Ferromanganese.....	...	do.....	1,655	368
	331314	Ferrosilicon (over 6% silicon).....	...	do.....	590	205
	331316	Ferrochromium.....	...	do.....	855	359
	333921	Cobalt.....	...	Pounds.....	158	105
	941011	Iron and steel scrap, purchased.....	...	Short ton...	409,078	11,222
3341		SECONDARY NONFERROUS METALS:				
		All establishments in industry.....	724,643	.....	...	...
		Establishments with 90 percent or more industry specialization.	620,042	.....	...	...
	333113	Refined unalloyed copper.....	...	Short ton...	5,055	2,809
	333213	Refined lead.....	...	do.....	25,046	6,778
	333315	Refined zinc.....	...	do.....	112,981	27,038
	333421	Refined aluminum.....	...	do.....	13,850	5,785
	333521	Refined magnesium.....	...	do.....	677	844
	333911	Tin.....	...	do.....	8,956	16,771
	941021	Copper and copper-base alloy scrap.....	...	do.....	363,834	145,108
	941031	Aluminum and aluminum-base alloy scrap.....	...	Short ton...	201,980	57,079
	941051	Zinc and zinc-base alloy scrap.....	...	do.....	82,148	9,533

See footnotes at end of table.

PRODUCT CLASS SHIFMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3341		SECONDARY NONFERROUS METALS--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	941061	Lead and lead-base alloy scrap (except home scrap).....	...	Short ton...	381,934	78,405
	941071	Tin plate scrap (except home scrap).....	...	..do.....	268,283	5,650
33411		Establishments with 90 percent or more product specialization:				
		Aluminum alloys.....	62,930	.....	...	...
	333421	Refined aluminum.....	...	Short ton...	5,404	2,223
	333521	Refined magnesium.....	...	..do.....	51	34
	941021	Copper and copper-base alloy.....	...	..do.....	538	258
	941031	Aluminum and aluminum-base alloy.....	...	..do.....	131,003	36,904
33412		Copper alloys (pig, ingot, shot, etc.).....	113,654	.....	...	...
	333315	Refined zinc.....	...	Short ton...	7,009	1,629
	333911	Tin.....	...	..do.....	810	1,508
	941021	Copper and copper-base alloy scrap.....	...	..do.....	162,555	66,517
	941031	Aluminum and aluminum-base alloy scrap.....	...	..do.....	348	96
	941051	Zinc and zinc-base alloy scrap.....	...	..do.....	652	112
	941061	Lead and lead-base alloy scrap (except home scrap).....	...	..do.....	1,385	386
	941071	Tin plate scrap (except home scrap).....	...	..do.....	1,025	44
33413		Lead alloys (pig, ingot, shot, etc.).....	40,044	.....	...	...
	333213	Refined lead.....	...	Short ton...	2,980	822
	333911	Tin.....	...	..do.....	352	626
	941061	Lead and lead-base alloy scrap (except home scrap).....	...	..do.....	93,948	19,030
3351		COPPER ROLLING AND DRAWING:				
		All establishments in industry.....	1,320,608	.....	...	...
		Establishments with 90 percent or more industry specialization.	1,134,781	.....	...	...
	333113	Refined unalloyed copper.....	...	Short ton...	863,500	522,377
	333115	Copper-base alloys.....	...	..do.....	54,117	27,796
	333211	Lead and lead-base alloys.....	...	..do.....	2,608	767
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	75,643	17,935
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingot, etc.).....	...	..do.....	7,276	3,585
	335921	Nickel.....	...	..do.....	2,318	2,762
3352		ALUMINUM ROLLING AND DRAWING:				
		All establishments in industry.....	874,408	.....	...	...
		Establishments with 90 percent or more industry specialization.	688,476	.....	...	...
	333311	Zinc and zinc-base alloy refinery shapes.....	...	Short ton...	2,508	609
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingot, etc.).....	...	..do.....	745,238	311,432
	333511	Magnesium and magnesium-base alloys.....	...	..do.....	6,124	3,527
3359		ROLLING AND DRAWING, N.E.C.:				
		All establishments in industry.....	300,715	.....	...	...
		Establishments with 90 percent or more industry specialization.	235,643	.....	...	...
	333115	Copper-base alloys.....	...	Short ton...	263	365
	333211	Lead and lead-base alloys.....	...	..do.....	96,728	30,937
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	43,027	9,588
	333511	Magnesium and magnesium-base alloys.....	...	..do.....	13,254	7,866
	941021	Copper and copper-base alloy scrap.....	...	..do.....	62	24
	941051	Zinc and zinc-base alloy scrap.....	...	..do.....	546	69
33592		Establishments with 90 percent or more product specialization:				
		All other nonferrous metal mill products.....	170,324	.....	...	...
	333115	Copper-base alloys.....	...	Short ton...	110	196
	333211	Lead and lead-base alloys.....	...	..do.....	9,036	2,716
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	33,355	7,332
3391		IRON AND STEEL FORGINGS:				
		All establishments in industry.....	595,434	.....	...	...
		Establishments with 90 percent or more industry specialization.	417,200	.....	...	...
	331244	Alloy steel (except stainless) ingots.....	...	Short ton...	33,392	4,150
	331245	Alloy steel (except stainless) blooms, billets, etc.....	...	..do.....	126,961	20,687
	331246	Alloy steel (except stainless) bars.....	...	..do.....	292,908	46,814
	331241	Carbon steel ingots.....	...	..do.....	17,040	1,550
	331242	Carbon steel blooms, billets, and slabs.....	...	..do.....	225,522	21,828
	331243	Carbon steel bars.....	...	..do.....	473,151	54,758
	331247	Stainless steel ingots.....	...	..do.....	889	372
	331248	Stainless steel blooms, billets, and slabs.....	...	..do.....	8,804	6,001
	331249	Stainless steel bars.....	...	..do.....	6,170	5,896
33911		Establishments with 90 percent or more product specialization:				
		Drop, upset, and press steel forgings.....	296,446	.....	...	...
	331245	Alloy steel (except stainless) blooms, billets, etc.....	...	Short ton...	56,934	9,056
	331246	Alloy steel (except stainless) bars.....	...	..do.....	256,905	40,519
	331242	Carbon steel blooms, billets, and slabs.....	...	..do.....	108,992	10,574
	331243	Carbon steel bars.....	...	..do.....	422,555	49,154
	331249	Stainless steel bars.....	...	..do.....	6,033	5,713
33912		Press and hammer steel forgings.....	53,226	.....	...	...
	331244	Alloy steel (except stainless) ingots.....	...	Short ton...	27,597	3,305
	331245	Alloy steel (except stainless) blooms, billets, etc.....	...	..do.....	26,357	4,647
	331246	Alloy steel (except stainless) bars.....	...	..do.....	733	305
	331241	Carbon steel ingots.....	...	..do.....	10,120	946

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3391		IRON AND STEEL FORGINGS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
33912		Press and hammer steel forgings--Continued				
	331242	Carbon steel blooms, billets, and slabs.....	...	Short ton...	36,777	3,745
	331243	Carbon steel bars.....	...	..do.....	11,075	1,272
	331248	Stainless steel blooms, billets, and slabs.....	...	..do.....	4,809	2,896
3392		WIRE DRAWING:				
		All establishments in industry.....	1,266,436	.....	...	...
		Establishments with 90 percent or more industry specialization.	1,046,868	.....	...	...
	331263	Alloy steel (except stainless) rods.....	...	Short ton...	11,693	2,622
	331261	Carbon steel rods.....	...	..do.....	879,287	99,457
	331273	Carbon steel wire for redrawing.....	...	..do.....	49,971	10,120
	086111	Rubber, natural.....	...	Long ton...	2,157	1,137
	282410	Synthetic rubber.....	...	..do.....	20,783	15,448
	303111	Reclaimed rubber.....	...	..do.....	380	89
	335151	Copper rods, unalloyed.....	...	1,000 lbs...	660,235	213,267
	335155	Copper-base alloy rods.....	...	..do.....	29,945	10,272
	335251	Aluminum and aluminum-base alloy mill shapes and forms (rods).....	...	..do.....	126,013	31,808
	335955	Other nonferrous metal mill shapes for drawing wire.....	...	..do.....	3,518	1,022
	339217	Copper and copper-base alloy wire for redrawing.....	...	..do.....	37,715	12,576
	339227	Aluminum and aluminum-base alloy wire for redrawing.....	...	..do.....	3,095	1,592
	331265	Stainless steel rods.....	...	Short ton...	4,131	3,053
		Establishments with 90 percent or more product specialization:				
33921		Steel wire.....	66,394	.....	...	...
	331261	Carbon steel rods.....	...	Short ton...	167,258	19,457
	331273	Carbon steel wire for redrawing.....	...	..do.....	35,432	6,865
	339217	Copper and copper-base alloy wire for redrawing.....	...	1,000 lbs...	20	18
	331265	Stainless steel rods.....	...	Short ton...	550	488
33923		Copper and copper-base alloy, wire and cable.....	28,005	.....	...	...
	335151	Copper, unalloyed, rods.....	...	1,000 lbs...	52,965	17,338
	339217	Copper and copper-base alloy wire for redrawing.....	...	..do.....	5,241	1,957
	331277	Stainless steel wire for redrawing.....	...	Short ton...	25	36
3411		TIN CANS AND OTHER TINWARE:				
		All establishments in industry.....	1,366,766	.....	...	...
		Establishments with 90 percent or more industry specialization.	1,250,128	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	7,834	1,356
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	3,803,215	629,981
		Establishments with 90 percent or more product specialization:				
34111		Metal cans.....	1,237,480	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	7,782	1,348
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	3,773,046	625,792
3421		CUTLERY:				
		All establishments in industry.....	169,750	.....	...	...
		Establishments with 90 percent or more industry specialization.	108,133	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	594	315
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	226	139
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,805	420
	331212	Carbon steel sheet and strip.....	...	..do.....	8,417	3,406
	332011	Iron castings (gray and malleable).....	...	..do.....	309	161
	332311	Steel castings.....	...	..do.....	28	24
	331231	Stainless steel mill shapes and forms.....	...	..do.....	2,568	2,241
		Establishments with 90 percent or more product specialization:				
34211		Cutlery, scissors, shears, trimmers, and snips.....	54,583	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,805	420
	331212	Carbon steel sheet and strip.....	...	..do.....	4,452	1,104
	332011	Iron castings (gray and malleable).....	...	..do.....	309	161
	332311	Steel castings.....	...	..do.....	28	24
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	2,561	2,235
3422		EDGE TOOLS:				
		All establishments in industry.....	69,721	.....	...	...
		Establishments with 90 percent or more industry specialization.	33,983	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	1,651	973
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	223	201
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,702	722
	331212	Carbon steel sheet and strip.....	...	..do.....	3,340	701
3423		HAND TOOLS, N.E.C.:				
		All establishments in industry.....	256,991	.....	...	...
		Establishments with 90 percent or more industry specialization.	157,129	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	13,383	2,659
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	818	195
	331211	Carbon steel bars and bar shapes.....	...	..do.....	31,162	4,328
	331212	Carbon steel sheet and strip.....	...	..do.....	46,138	5,818
	331213	Carbon steel plates.....	...	..do.....	442	60
	331217	Carbon steel wire and wire products.....	...	..do.....	11,799	2,663
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,324	408
	332011	Iron castings (gray and malleable).....	...	..do.....	7,429	3,283

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES- Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3423		HAND TOOLS, N.E.C.--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	332311	Steel castings.....	...	Short ton...	814	394
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,056	964
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,715	916
34231		Establishments with 90 percent or more product specialization: Mechanics hand service tools.....	89,802	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	11,203	2,212
	331211	Carbon steel bars and bar shapes.....	...	..do.....	14,623	2,242
	331212	Carbon steel sheet and strip.....	...	..do.....	21,777	2,400
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	544	209
	332011	Iron castings (gray and malleable).....	...	..do.....	4,694	2,257
	332311	Steel castings.....	...	..do.....	562	256
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	317	140
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,441	754
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	12	15
34232		Other hand tools.....	56,285	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	497	138
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	802	189
	331211	Carbon steel bars and bar shapes.....	...	..do.....	14,554	1,800
	331212	Carbon steel sheet and strip.....	...	..do.....	23,838	3,333
	331213	Carbon steel plates.....	...	..do.....	223	34
	331217	Carbon steel wire and wire products.....	...	..do.....	1,282	263
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	780	199
	332011	Iron castings (gray and malleable).....	...	..do.....	2,144	771
	332311	Steel castings.....	...	..do.....	252	137
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	1,736	822
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	274	162
3429		HARDWARE, N.E.C.:				
		All establishments in industry.....	1,111,529	.....	...	...
		Establishments with 90 percent or more industry specialization:	598,176	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	1,714	1,027
	331211	Carbon steel bars and bar shapes.....	...	..do.....	30,045	4,533
	331212	Carbon steel sheet and strip.....	...	..do.....	222,402	32,806
	331213	Carbon steel plates.....	...	..do.....	1,306	183
	331215	Carbon steel structural shapes.....	...	..do.....	1,043	171
	331217	Carbon steel wire and wire products.....	...	..do.....	20,094	5,154
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	13,506	3,771
	332011	Iron castings (gray and malleable).....	...	..do.....	15,579	5,673
	332311	Steel castings.....	...	..do.....	2,274	759
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	5,101	2,551
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	16,249	4,375
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	667	323
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	..do.....	37,935	16,893
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	12,363	6,002
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	2,730	1,895
	336121	Copper and copper-base alloy castings.....	...	..do.....	2,504	1,745
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	9,394	8,322
34291		Establishments with 90 percent or more product specialization: Transportation equipment hardware.....	185,689	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	214	111
	331211	Carbon steel bars and bar shapes.....	...	..do.....	9,800	1,206
	331212	Carbon steel sheet and strip.....	...	..do.....	101,616	14,144
	331213	Carbon steel plates.....	...	..do.....	577	83
	331215	Carbon steel structural shapes.....	...	..do.....	180	29
	331217	Carbon steel wire and wire products.....	...	..do.....	149	51
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	330	70
	332011	Iron castings (gray and malleable).....	...	..do.....	2,173	712
	332311	Steel castings.....	...	..do.....	524	270
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	1,982	874
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,202	1,098
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	184	132
	336121	Copper and copper-base alloy castings.....	...	..do.....	121	84
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	6,629	5,692
34292		Furniture hardware.....	13,837	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	10,138	1,370
34294		Builders' hardware.....	182,234	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	32	33
	331211	Carbon steel bars and bar shapes.....	...	..do.....	9,760	1,825
	331212	Carbon steel sheet and strip.....	...	..do.....	61,217	9,896
	331213	Carbon steel plates.....	...	..do.....	622	83
	331215	Carbon steel structural shapes.....	...	..do.....	727	114
	331217	Carbon steel wire and wire products.....	...	..do.....	13,475	3,914
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,326	583

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS OF SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3429		HARDWARE, N.E.C.--Continued Establishments with 90 percent or more product specialization--Continued Builders' hardware--Continued				
	332011	Iron castings (gray and malleable).....	...	Short ton...	7,099	2,854
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	2,413	1,251
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	2,241	687
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	137	58
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	17,542	7,881
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	3,264	1,617
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,087	816
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,605	1,054
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,071	1,023
34295		Other hardware.....	74,677	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	4,374	627
	331212	Carbon steel sheet and strip.....	...	..do.....	10,892	1,881
	331215	Carbon steel structural shapes.....	...	..do.....	51	10
	331217	Carbon steel wire and wire products.....	...	..do.....	1,153	294
	332011	Iron castings (gray and malleable).....	...	..do.....	2,068	703
	332311	Steel castings.....	...	..do.....	29	14
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	1,247	611
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	784	251
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	161	78
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	9,969	4,143
	336121	Copper and copper-base alloy castings.....	...	..do.....	424	241
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	310	321
3431		PLUMBING FIXTURES AND FITTINGS: All establishments in industry.....	443,260	.....	...	...
		Establishments with 90 percent or more industry specialization.	296,301	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	18,235	2,756
	331217	Carbon steel wire and wire products.....	...	..do.....	398	109
	331251	Pig iron.....	...	..do.....	191,312	10,913
	332011	Iron castings (gray and malleable).....	...	..do.....	1,368	354
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	21,869	10,227
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	1,066	568
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	301	207
	336121	Copper and copper-base alloy castings.....	...	..do.....	18,438	11,479
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,150	1,125
34311		Establishments with 90 percent or more product specialization: Metal plumbing fixtures.....	135,149	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	15,415	2,237
	331251	Pig iron.....	...	..do.....	164,795	9,166
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	455	197
34312		Plumbing fixture fittings and trim (brass goods).....	132,865	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	983	201
	331217	Carbon steel wire and wire products.....	...	..do.....	176	30
	333111	Copper and copper base alloy refinery shapes.....	...	..do.....	20,542	9,643
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	591	362
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	285	199
	336121	Copper and copper-base alloy castings.....	...	..do.....	17,866	11,236
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	173	139
3439		HEATING AND COOKING EQUIPMENT ⁵ : All establishments in industry.....	1,146,608	.....	...	...
		Establishments with 90 percent or more industry specialization.	562,851	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	..do.....	14,764	1,849
	331212	Carbon steel sheet and strip.....	...	..do.....	342,600	44,246
	331213	Carbon steel plates.....	...	..do.....	37,816	5,317
	331215	Carbon steel structural shapes.....	...	..do.....	2,070	409
	331217	Carbon steel wire and wire products.....	...	..do.....	1,891	419
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	16,140	3,545
	331251	Pig iron.....	...	..do.....	100,943	5,414
	332011	Iron castings (gray and malleable).....	...	..do.....	34,478	10,824
	332311	Steel castings.....	...	..do.....	1,649	1,293
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	323	167
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	4,544	2,726
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	6,707	2,687
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	1,072	782
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,309	843
	361411	Fractional horsepower electric motors.....	...	Number.....	1,003,059	11,987
	361431	Integral horsepower electric motors and generators.....	...	..do.....	5,063	336
				1,000 lbs. (metal content)...	113	69
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	87,017	3,100
	941011	Purchased iron and steel scrap.....	...	..do.....	2,172	2,369
	331231	Stainless steel mill shapes and forms.....	...	..do.....	2,172	2,369

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3439		HEATING AND COOKING EQUIPMENT ¹ --Continued				
34391		Establishments with 90 percent or more product specialization:				
		Warm air furnaces.....	76,750	.....	...	..
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	2,272	308
	331212	Carbon steel sheet and strip.....	...	..do.....	59,592	7,124
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	104	15
	332011	Iron castings (gray and malleable).....	...	..do.....	5,540	1,673
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	59	40
	361411	Fractional horsepower electric motors.....	...	Number.....	342,842	4,232
	361431	Integral horsepower electric motors and generators.....	...	..do.....	852	72
				1,000 lbs. (metal content)...	83	49
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	267	323
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
34392		Cast iron heating boilers, radiators, and convectors.....	45,252	.....	...	...
	331251	Pig iron.....	...	Short ton...	59,339	3,184
34393		Steel and nonferrous convectors.....	12,527	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	13,712	1,728
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,210	612
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	1,000 lbs...	997	613
	335211	Aluminum and aluminum base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	1,014	513
34394		Water heaters, except electric.....	32,755	.....	...	...
	332011	Iron castings (gray and malleable).....	...	Short ton...	1,319	601
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	1,000 lbs...	567	333
34395		Domestic heating stoves.....	9,727	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	3,525	445
	332011	Iron castings (gray and malleable).....	...	..do.....	887	147
	331231	Stainless steel mill shapes and forms.....	...	..do.....	52	51
34396		Domestic cooking stoves, except electric.....	84,647	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	76,680	10,573
	331251	Pig iron.....	...	..do.....	9,643	524
	332011	Iron castings (gray and malleable).....	...	..do.....	3,418	1,316
34397		Commercial cooking equipment, except electric.....	14,207	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	101	18
	331212	Carbon steel sheet and strip.....	...	..do.....	2,238	332
	331213	Carbon steel plates.....	...	..do.....	124	21
	332011	Iron castings (gray and malleable).....	...	..do.....	717	218
	331231	Stainless steel mill shapes and forms.....	...	..do.....	895	1,005
34398		Steel heating boilers, 15 P.S.I. and under.....	20,688	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	991	130
	331212	Carbon steel sheet and strip.....	...	..do.....	2,677	325
	331213	Carbon steel plates.....	...	..do.....	27,722	3,744
	331215	Carbon steel structural shapes.....	...	..do.....	357	63
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	5,402	1,195
	332011	Iron castings (gray and malleable).....	...	..do.....	1,118	382
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	1,000 lbs...	352	255
34399		Other heating equipment, except electric.....	54,396	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	22,623	2,855
	332011	Iron castings (gray and malleable).....	...	..do.....	4,289	1,450
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	1,000 lbs...	1,191	660
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	1,151	466
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	194	147
	361411	Fractional horsepower electric motors.....	...	Number.....	83,443	1,215
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	28	29
3441		STRUCTURAL AND ORNAMENTAL WORK:				
		All establishments in industry.....	1,809,971	.....	...	...
		Establishments with 90 percent or more industry specialization.....	1,271,482	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	709	172
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	11,884	1,805
	331211	Carbon steel bars and bar shapes.....	...	..do.....	873,658	97,201
	331212	Carbon steel sheet and strip.....	...	..do.....	336,173	42,980
	331213	Carbon steel plates.....	...	..do.....	511,578	55,138
	331215	Carbon steel structural shapes.....	...	..do.....	2,148,995	232,312
	331217	Carbon steel wire and wire products.....	...	..do.....	25,871	4,144
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	180,722	26,647
	331251	Pig iron.....	...	..do.....	2,965	161
	332011	Iron castings (gray and malleable).....	...	Short ton...	5,083	1,509
	332311	Steel castings.....	...	..do.....	6,308	2,422
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	4,192	822
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	408	189
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	539	220
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	8,805	4,315
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	501	273
	336121	Copper and copper-base alloy castings.....	...	..do.....	135	89
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,116	1,356
	331211	Carbon steel bars and bar shapes.....	...	..do.....	325	48

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3441		STRUCTURAL AND ORNAMENTAL WORK--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	331212	Carbon steel sheet and strip.....	...	Short ton...	578	87
	331213	Carbon steel plates.....	...	..do.....	606	88
	331215	Carbon steel structural shapes.....	...	..do.....	1,041	155
34411		Establishments with 90 percent or more product specialization:				
		Fabricated structural iron and steel.....	682,338	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	2,815	439
	331211	Carbon steel bars and bar shapes.....	...	..do.....	172,927	20,273
	331212	Carbon steel sheet and strip.....	...	..do.....	36,700	4,633
	331213	Carbon steel plates.....	...	..do.....	383,417	40,786
	331215	Carbon steel structural shapes.....	...	..do.....	1,575,930	167,313
	331217	Carbon steel wire and wire products.....	...	..do.....	2,320	468
	331219	All other carbon steel bars and bar shapes.....	...	..do.....	67,982	11,334
	332011	Iron castings (gray and malleable).....	...	..do.....	2,539	721
	332311	Steel castings.....	...	..do.....	4,769	1,872
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	4,093	790
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	76	38
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	939	440
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	88	62
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	328	408
34412		Ornamental and structural metal work.....	123,959	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	75	25
	331225	All other alloy steel bars and bar shapes.....	...	..do.....	356	130
	331211	Carbon steel bars and bar shapes.....	...	..do.....	26,259	3,689
	331212	Carbon steel sheet and strip.....	...	..do.....	104,544	12,181
	331213	Carbon steel plates.....	...	..do.....	7,749	965
	331215	Carbon steel structural shapes.....	...	..do.....	19,736	2,674
	331217	Carbon steel wire and wire products.....	...	..do.....	1,569	311
	331219	All other carbon steel bars and bar shapes.....	...	..do.....	10,074	2,080
	331251	Pig iron.....	...	..do.....	1,746	96
	332011	Iron castings (gray and malleable).....	...	..do.....	1,075	339
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	362	166
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	375	145
	335211	Aluminum and aluminum-base alloy mill shapes and forms.....	...	..do.....	4,296	2,138
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	358	169
	336121	Copper and copper-base alloy castings.....	...	..do.....	50	36
	941031	Aluminum and aluminum-base alloy scrap.....	...	Short ton...	54	21
	331231	Stainless steel mill shapes and forms.....	...	..do.....	621	725
34413		Prefabricated and portable metal buildings and parts.....	40,641	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	23,037	3,263
	331212	Carbon steel sheet and strip.....	...	..do.....	41,718	6,464
	331213	Carbon steel plates.....	...	..do.....	1,698	277
	331215	Carbon steel structural shapes.....	...	..do.....	6,813	896
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	915	275
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	769	305
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	66	91
34414		Miscellaneous metal building materials.....	99,594	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	443,523	46,456
	331212	Carbon steel sheet and strip.....	...	..do.....	39,694	5,569
	331215	Carbon steel structural shapes.....	...	..do.....	16,656	1,906
	331217	Carbon steel wire and wire products.....	...	..do.....	10,885	1,593
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	15,217	2,382
	332011	Iron castings (gray and malleable).....	...	..do.....	329	138
3442		METAL DOORS, SASH, AND TRIM:				
		All establishments in industry.....	638,501	.....	...	...
		Establishments with 90 percent or more industry specialization.....	427,415	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	432	178
	331211	Carbon steel bars and bar shapes.....	...	..do.....	52,415	7,435
	331212	Carbon steel sheet and strip.....	...	..do.....	92,773	12,873
	331213	Carbon steel plates.....	...	..do.....	2,635	401
	331215	Carbon steel structural shapes.....	...	..do.....	6,377	862
	331217	Carbon steel wire and wire products.....	...	..do.....	1,051	260
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,173	233
	332011	Iron castings (gray and malleable).....	...	..do.....	1,206	352
	332311	Steel castings.....	...	..do.....	1,752	687
	333311	Zinc and zinc-base alloy refinery shapes.....	...	Short ton...	391	125
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	7,188	3,469
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	146,512	68,185
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	7,882	4,025
	336121	Copper and copper-base alloy castings.....	...	..do.....	91	60
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	8,110	6,953
34421		Establishments with 90 percent or more product specialization:				
		Metal doors and frames.....	70,482	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	3,555	487
	331212	Carbon steel sheet and strip.....	...	..do.....	44,670	6,450
	331213	Carbon steel plates.....	...	..do.....	2,529	385

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3442		METAL DOORS, SASH, AND TRIM--Continued				
		Establishments with 90 percent or more product specialization--Continued				
34421		Metal doors and frames--Continued				
	331215	Carbon steel structural shapes.....	...	Short ton...	5,077	701
	331217	Carbon steel wire and wire products.....	...	..do.....	508	128
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,126	224
	332011	Iron castings (gray and malleable).....	...	..do.....	1,169	335
	332311	Steel castings.....	...	..do.....	1,743	672
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	9,572	4,717
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	39	28
	336121	Copper and copper-base alloy castings.....	...	..do.....	72	43
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	171	187
34422		Metal window sash and frames.....	88,791	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	41,363	5,698
	331212	Carbon steel sheet and strip.....	...	..do.....	5,582	823
	331217	Carbon steel wire and wire products.....	...	..do.....	350	77
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	32,825	13,938
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	40	50
34423		Metal molding and trim and store fronts.....	36,030	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	11,963	1,699
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	170	54
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	4,535	2,322
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	7,320	6,182
34424		Metal storm and combination sash and doors.....	132,027	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	126	31
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	996	565
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	69,144	33,706
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	7,774	3,941
3443		BOILER SHOP PRODUCTS:				
		All establishments in industry.....	1,133,670	.....	...	...
		Establishments with 90 percent or more industry specialization.....	532,619	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	2,129	515
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	20,826	10,000
	331211	Carbon steel bars and bar shapes.....	...	..do.....	30,968	4,201
	331212	Carbon steel sheet and strip.....	...	..do.....	120,208	13,493
	331213	Carbon steel plates.....	...	..do.....	811,002	86,251
	331215	Carbon steel structural shapes.....	...	..do.....	50,739	5,916
	331217	Carbon steel wire and wire products.....	...	..do.....	1,768	367
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	67,256	13,968
	331251	Pig iron.....	...	..do.....	4,800	278
	332011	Iron castings (gray and malleable).....	...	..do.....	5,059	1,939
	332311	Steel castings.....	...	..do.....	2,543	1,921
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	855	380
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	44	39
	941011	Purchased iron and steel scrap.....	...	Short ton...	5,282	218
	331231	Stainless steel mill shapes and forms.....	...	..do.....	6,662	8,532
34431		Establishments with 90 percent or more product specialization:				
		Metal tanks, complete at factory.....	211,644	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	14,805	1,736
	331212	Carbon steel sheet and strip.....	...	..do.....	77,014	8,451
	331213	Carbon steel plates.....	...	..do.....	481,403	51,612
	331215	Carbon steel structural shapes.....	...	..do.....	28,102	2,990
	331217	Carbon steel wire and wire products.....	...	..do.....	1,307	251
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	17,268	3,765
	332011	Iron castings (gray and malleable).....	...	..do.....	220	58
	332311	Steel castings.....	...	..do.....	73	44
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	504	191
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	30	28
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	2,452	3,230
34432		Fabricated steel plate.....	16,973	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,846	278
	331212	Carbon steel sheet and strip.....	...	..do.....	2,748	343
	331213	Carbon steel plates.....	...	..do.....	17,928	1,834
	331215	Carbon steel structural shapes.....	...	..do.....	2,873	360
	331231	Stainless steel mill shapes and forms.....	...	..do.....	653	666
34433		Power boilers, over 15 P.S.I., parts and attachments.....	158,147	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	5,331	953
	331212	Carbon steel sheet and strip.....	...	..do.....	14,522	1,720
	331213	Carbon steel plates.....	...	..do.....	43,770	5,267
	331215	Carbon steel structural shapes.....	...	..do.....	8,395	1,032
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	37,458	7,459
34434		Gas cylinders and other boiler shop products.....	21,626	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,706	252
	331212	Carbon steel sheet and strip.....	...	..do.....	1,954	260
	331213	Carbon steel plates.....	...	..do.....	29,051	3,174

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3443		BOILER SHOP PRODUCTS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
34434		Gas cylinders and other boiler shop products--Continued				
	331215	Carbon steel structural shapes.....	...	Short ton...	1,828	272
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,692	684
	332311	Steel castings.....	...	..do.....	110	54
	331231	Stainless steel mill shapes and forms.....	...	..do.....	164	230
3444		SHEET METAL WORK:				
		All establishments in industry.....	738,481	.....	...	...
		Establishments with 90 percent or more industry specialization.	431,842	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	..do.....	11,522	1,878
	331212	Carbon steel sheet and strip.....	...	..do.....	402,209	58,789
	331213	Carbon steel plates.....	...	..do.....	17,452	2,246
	331215	Carbon steel structural shapes.....	...	..do.....	9,603	1,330
	331217	Carbon steel wire and wire products.....	...	..do.....	558	172
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	8,255	1,307
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,812	393
	332011	Iron castings (gray and malleable).....	...	..do.....	1,474	404
	332311	Steel castings.....	...	..do.....	1,443	297
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	2,013	577
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	1,006	530
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	71,973	32,200
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	4,127	1,854
	336121	Copper and copper-base alloy castings.....	...	..do.....	212	133
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	5,294	6,238
3463		METAL STAMPINGS:				
		All establishments in industry.....	1,727,544	.....	...	...
		Establishments with 90 percent or more industry specialization.	876,616	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	1,278	425
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	25,146	5,786
	331211	Carbon steel bars and bar shapes.....	...	..do.....	27,831	4,048
	331212	Carbon steel sheet and strip.....	...	..do.....	753,761	95,893
	331213	Carbon steel plates.....	...	..do.....	16,416	2,290
	331215	Carbon steel structural shapes.....	...	..do.....	333	52
	331217	Carbon steel wire and wire products.....	...	..do.....	11,955	2,220
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	273,423	42,380
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	8,320	1,766
	332311	Steel castings.....	...	..do.....	590	246
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	12,326	4,326
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	70,608	29,288
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	5,328	2,612
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	35,338	34,535
34631		Establishments with 90 percent or more product specialization:				
		Job stampings, except automotive.....	171,750	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	903	225
	331225	All other steel mill shapes and forms.....	...	..do.....	22,589	5,348
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,675	784
	331212	Carbon steel sheet and strip.....	...	..do.....	145,959	20,242
	331213	Carbon steel plates.....	...	..do.....	962	121
	331215	Carbon steel structural shapes.....	...	..do.....	109	20
	331217	Carbon steel wire and wire products.....	...	..do.....	765	125
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	4,175	594
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,517	393
	332311	Steel castings.....	...	..do.....	338	185
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	9,856	4,244
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	314	224
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,864	2,209
34632		Stamped and spun cooking and kitchen utensils.....	75,975	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	4,230	798
	331217	Carbon steel wire and wire products.....	...	..do.....	1,224	215
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	33,920	14,005
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	527	474
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	4,672	4,890
34633		Pails, ash cans, and garbage cans.....	8,635	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	14,961	2,283
	331217	Carbon steel wire and wire products.....	...	..do.....	2,000	269
34635		Metal commercial closures, except crowns.....	45,882	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	9	7
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	54,320	9,047
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	4,296	1,820
34637		Job stampings, automotive.....	180,744	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	84	52
	331211	Carbon steel bars and bar shapes.....	...	..do.....	10,162	1,507
	331212	Carbon steel sheet and strip.....	...	..do.....	222,440	27,974

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3463		METAL STAMPINGS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
34637		Job stampings, automotive--Continued				
	331213	Carbon steel plates.....	...	Short ton...	1,218	146
	331215	Carbon steel structural shapes.....	...	..do.....	85	10
	331217	Carbon steel wire and wire products.....	...	..do.....	1,704	673
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	395	657
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	3,383	619
	335211	Aluminum and aluminum-base alloy mill shapes and forms.....	...	1,000 lbs...	1,316	523
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	23,159	22,083
34638		Other stamped or pressed metal end products.....	61,388	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,391	187
	331212	Carbon steel sheet and strip.....	...	..do.....	49,481	6,902
	331213	Carbon steel plates.....	...	..do.....	1,990	234
	331217	Carbon steel wire and wire products.....	...	..do.....	897	149
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	2,809	400
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	366	82
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	3,644	1,609
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	121	84
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	292	332
3471		LIGHTING FIXTURES:				
		All establishments in industry.....	641,569	.....	...	...
		Establishments with 90 percent or more industry specialization.	415,812	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	746	282
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,695	796
	331212	Carbon steel sheet and strip.....	...	..do.....	146,184	20,846
	331213	Carbon steel plates.....	...	..do.....	1,868	250
	331215	Carbon steel structural shapes.....	...	..do.....	1,309	211
	331217	Carbon steel wire and wire products.....	...	..do.....	7,916	2,004
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,666	811
	332011	Iron castings (gray and malleable).....	...	..do.....	3,789	949
	332311	Steel castings.....	...	..do.....	1,681	813
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	2,069	1,325
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	235	117
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	9,831	4,946
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	5,444	3,152
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	4,038	2,269
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,732	1,020
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	3,965	2,844
34711		Establishments with 90 percent or more product specialization: Incandescent lighting fixtures, except specialties.....	36,223	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	5,571	798
	331217	Carbon steel wire and wire products.....	...	..do.....	332	66
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	342	95
	332011	Iron castings (gray and malleable).....	...	..do.....	213	74
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	1,368	761
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	1,506	981
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	122	85
	336121	Copper and copper-base alloy castings.....	...	..do.....	354	232
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	173	122
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	8	9
34712		Incandescent portable lamps.....	86,638	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	60	25
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	276	108
	331211	Carbon steel bars and bar shapes.....	...	..do.....	196	36
	331212	Carbon steel sheet and strip.....	...	..do.....	3,310	540
	331213	Carbon steel plates.....	...	..do.....	281	36
	331217	Carbon steel wire and wire products.....	...	..do.....	2,373	549
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	967	236
	332011	Iron castings (gray and malleable).....	...	..do.....	1,689	367
	332311	Steel castings.....	...	..do.....	574	241
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	81	39
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	1,925	939
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	199	103
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	66	48
	336121	Copper and copper-base alloy castings.....	...	..do.....	289	173
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	1,070	740
34713		Incandescent vehicular lighting equipment.....	33,460	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	13,100	1,659
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	217	109
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	293	306

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3471		LIGHTING FIXTURES--Continued				
		Establishments with 90 percent or more product specialization--Continued				
34714		Incandescent hand portable lighting equipment.....	13,479	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	51	20
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	1,964	934
	335211	Aluminum and aluminum-base alloy mill shapes and forms.....	...	...do.....	266	137
34716		All other specialized incandescent lighting equipment.....	11,900	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	260	47
	335211	Aluminum and aluminum-base alloy mill shapes and forms.....	...	1,000 lbs...	70	57
	336121	Copper and copper-base alloy castings.....	...	...do.....	68	39
				1,000 lbs.		
				(metal content)...	297	202
34717		Fluorescent lighting equipment and parts.....	111,928	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	2,429	371
	331212	Carbon steel sheet and strip.....	...	...do.....	92,261	13,023
	331217	Carbon steel wire and wire products.....	...	...do.....	555	112
	331219	All other carbon steel mill shapes and forms.....	...	...do.....	290	92
	332011	Iron castings (gray and malleable).....	...	...do.....	309	75
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	578	289
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	...do.....	1,281	798
	336111	Aluminum and aluminum-base alloy castings.....	...	...do.....	167	138
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	695	466
3481		NAILS AND SPIKES:				
		All establishments in industry.....	33,778	.....	...	...
		Establishments with 90 percent or more industry specialization.	21,872	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	14,566	2,063
	331217	Carbon steel wire and wire products.....	...	...do.....	19,612	3,306
3489		WIREWORK, N.E.C.:				
		All establishments in industry.....	744,766	.....	...	...
		Establishments with 90 percent or more industry specialization.	515,971	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	1,060	577
	331211	Carbon steel bars and bar shapes.....	...	...do.....	11,620	1,537
	331212	Carbon steel sheet and strip.....	...	...do.....	69,417	11,410
	331215	Carbon steel structural shapes.....	...	...do.....	3,999	653
	331217	Carbon steel wire and wire products.....	...	...do.....	622,434	117,485
	332311	Steel castings.....	...	...do.....	3,133	1,180
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	10,647	5,352
	335119	All other copper and copper-base alloy mill shapes and forms	...	...do.....	4,177	2,138
	335211	Aluminum and aluminum base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	...do.....	9,619	5,903
	336111	Aluminum and aluminum-base alloy castings.....	...	...do.....	1,813	1,226
				1,000 lbs.		
				(metal content)...	93	57
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	3,026	5,146
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	3,026	5,146
34891		Establishments with 90 percent or more product specialization:				
		Wire springs.....	171,505	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	16	18
	331225	All other alloy steel mill shapes and forms.....	...	...do.....	809	491
	331211	Carbon steel bars and bar shapes.....	...	...do.....	193	56
	331212	Carbon steel sheet and strip.....	...	...do.....	50,566	8,319
	331217	Carbon steel wire and wire products.....	...	...do.....	191,829	38,794
	331219	All other carbon steel mill shapes and forms.....	...	...do.....	12,331	1,890
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	594	326
	335119	All other copper and copper-base alloy mill shapes and forms	...	...do.....	353	187
				1,000 lbs.		
				(metal content)...	93	57
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	464	721
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	464	721
34892		Noninsulated wire rope, and cable and strand, copper.....	46,193	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	64,271	17,739
34893		Fencing and fence gates.....	37,319	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	6,333	742
	331212	Carbon steel sheet and strip.....	...	...do.....	2,029	303
	331215	Carbon steel structural shapes.....	...	...do.....	3,400	549
	331217	Carbon steel wire and wire products.....	...	...do.....	47,468	7,401
	332311	Steel castings.....	...	...do.....	2,740	1,053
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	281	149
34894		Wire cloth and woven wire products.....	59,373	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	305	44
	331212	Carbon steel sheet and strip.....	...	...do.....	128	24
	331217	Carbon steel wire and wire products.....	...	...do.....	24,707	6,422
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	8,636	4,320
	335119	All other copper and copper-base alloy mill shapes and forms	...	...do.....	1,654	631
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	...do.....	8,658	5,552

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3489		WIREWORK, N.E.C.--Continued				
		Establishments with 90 percent or more product specialization--Continued				
34895		Other wire products.....	122,552	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	4,108	571
	331212	Carbon steel sheet and strip.....	...	..do.....	8,078	1,325
	331217	Carbon steel wire and wire products.....	...	..do.....	158,222	24,742
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs..	810	384
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	860	419
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	431	177
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	586	833
3491		METAL BARRELS, DRUMS, AND PAILS:				
		All establishments in industry.....	217,239	.....	...	...
		Establishments with 90 percent or more industry specialization.	128,198	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton..	512,552	59,707
	331217	Carbon steel wire and wire products.....	...	..do.....	1,639	314
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	5,860	755
		Establishments with 90 percent or more product specialization:				
34911		Steel shipping packages.....	7,478	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton..	21,456	2,650
34912		Steel barrels and drums, except beer (over 12 gal.).....	58,270	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton..	241,199	27,546
	331218	Carbon steel tin plate, terne plate, and black plate.....	...	..do.....	3,680	487
3493		STEEL SPRINGS:				
		All establishments in industry.....	115,692	.....	...	...
		Establishments with 90 percent or more industry specialization.	57,508	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	49,124	5,610
	331217	Carbon steel wire and wire products.....	...	..do.....	668	419
3494		BOLTS, NUTS, WASHERS, AND RIVETS:				
		All establishments in industry.....	699,523	.....	...	...
		Establishments with 90 percent or more industry specialization.	497,481	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	16,384	4,153
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	31,860	8,930
	331211	Carbon steel bars and bar shapes.....	...	..do.....	233,381	28,145
	331212	Carbon steel sheet and strip.....	...	..do.....	48,461	8,317
	331213	Carbon steel plates.....	...	..do.....	1,160	173
	331217	Carbon steel wire and wire products.....	...	..do.....	345,404	52,088
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	97,434	12,499
	332311	Steel castings.....	...	..do.....	161	85
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs..	15,867	7,342
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	15,509	7,309
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	8,184	3,888
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	287	116
	336121	Copper and copper-base alloy castings.....	...	..do.....	60	27
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	6,259	7,019
		Establishments with 90 percent or more product specialization:				
34941		Bolts, nuts, and other standard industrial fasteners.....	273,272	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	12,519	2,656
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	8,258	1,986
	331211	Carbon steel bars and bar shapes.....	...	..do.....	210,907	24,957
	331212	Carbon steel sheet and strip.....	...	..do.....	30,399	4,135
	331213	Carbon steel plates.....	...	..do.....	1,141	171
	331217	Carbon steel wire and wire products.....	...	..do.....	193,575	28,502
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	42,962	5,753
	332311	Steel castings.....	...	..do.....	84	40
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs..	7,568	3,556
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	12,314	5,772
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	5,771	2,798
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	41	29
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	3,803	4,144
34942		Special products, except standard type fasteners.....	30,449	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton..	5,567	1,555
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,512	283
	331212	Carbon steel sheet and strip.....	...	..do.....	2,958	770
	331217	Carbon steel wire and wire products.....	...	..do.....	12,520	2,011
	331231	Stainless steel mill shapes and forms.....	...	..do.....	158	184
3519		INTERNAL COMBUSTION ENGINES:				
		All establishments in industry.....	891,027	.....	...	...
		Establishments with 90 percent or more industry specialization.	522,232	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	3,344	1,370
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,548	624
	331211	Carbon steel bars and bar shapes.....	...	..do.....	3,300	686
	331212	Carbon steel sheet and strip.....	...	..do.....	18,145	2,845
	331213	Carbon steel plates.....	...	..do.....	797	115
	331251	Pig iron.....	...	..do.....	2,874	165
	332011	Iron castings (gray and malleable).....	...	..do.....	80,533	26,088
	332311	Steel castings.....	...	..do.....	600	445
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	5,288	2,796
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	17,447	14,849
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,770	1,235
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	7,358	325
	331231	Stainless steel mill shapes and forms.....	...	..do.....	861	891

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3519		INTERNAL COMBUSTION ENGINES--Continued				
35194		Establishments with 90 percent or more product specialization:	20,072			
	332011	Internal combustion engine parts and accessories.....	...	Short ton...	2,389	802
		Iron castings (gray and malleable).....	...			
3521		TRACTORS:				
		All establishments in industry.....	1,177,974			
		Establishments with 90 percent or more industry specialization.	632,229			
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	12,222	1,831
	331211	Carbon steel bars and bar shapes.....	...	do.....	86,720	11,021
	331212	Carbon steel sheet and strip.....	...	do.....	31,197	3,518
	331213	Carbon steel plates.....	...	do.....	25,662	3,082
	331215	Carbon steel structural shapes.....	...	do.....	10,324	1,200
	331217	Carbon steel wire and wire products.....	...	Short ton...	369	60
	331219	All other carbon steel mill shapes and forms.....	...	do.....	40,700	5,744
	301111	Tires.....	...	Number.....	829,690	25,063
	301151	Inner tubes.....	...	do.....	852,994	3,506
	331251	Pig iron.....	...	Short ton...	63,705	3,533
	332011	Iron castings (gray and malleable).....	...	do.....	220,635	46,320
	332311	Steel castings.....	...	do.....	19,754	7,399
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	194	107
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	598	313
	336121	Copper and copper-base alloy castings.....	...	do.....	359	275
	351911	Gasoline and other carburetor engines.....	...	Number.....	129,207	10,818
	351921	Diesel and semi-Diesel engines.....	...	do.....	26,929	29,351
				1,000 lbs. (metal content)...	60	43
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs...	102,365	2,865
	941011	Iron and steel scrap (purchased scrap only).....	...			
3522		FARM MACHINERY (EXCEPT TRACTORS):				
		All establishments in industry.....	1,095,685			
		Establishments with 90 percent or more industry specialization.	733,743			
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	7,702	1,348
	331225	All other alloy steel mill shapes and forms.....	...	do.....	6,034	1,469
	331211	Carbon steel bars and bar shapes.....	...	do.....	271,969	32,896
	331212	Carbon steel sheet and strip.....	...	do.....	242,982	31,155
	331213	Carbon steel plates.....	...	do.....	41,225	4,819
	331215	Carbon steel structural shapes.....	...	do.....	29,051	3,459
	331217	Carbon steel wire and wire product.....	...	do.....	7,220	1,426
	331219	All other carbon steel mill shapes and forms.....	...	do.....	38,221	7,977
	301151	Inner tubes.....	...	Number.....	491,067	1,180
	331251	Pig iron.....	...	Short ton...	35,296	1,989
	332011	Iron castings (gray and malleable).....	...	do.....	95,189	26,052
	332311	Steel castings.....	...	do.....	6,112	2,938
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	3,087	1,635
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	6,118	3,256
	336121	Copper and copper-base alloy castings.....	...	do.....	1,825	1,067
	361431	Integral horsepower electric motors and generators.....	...	1,000.....	3	447
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	37,566	1,344
	331231	Stainless steel mill shapes and forms.....	...	do.....	1,201	1,388
35221		Establishments with 90 percent or more product specialization:	7,943			
		Flows and listers.....	...			
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	4,469	576
	331212	Carbon steel sheet and strip.....	...	do.....	581	81
	331213	Carbon steel plates.....	...	do.....	1,207	162
	332311	Steel castings.....	...	do.....	99	56
35222		Harrows, rollers, pulverizers, and stalk cutters.....	10,261			
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	5,370	873
	331212	Carbon steel sheet and strip.....	...	do.....	1,175	145
	331213	Carbon steel plates.....	...	do.....	1,536	207
	331215	Carbon steel structural shapes.....	...	do.....	1,509	218
	301151	Inner tubes.....	...	Number.....	1,513	3
	332011	Iron castings (gray and malleable).....	...	Short ton...	1,272	373
35223		Planting, seeding, and fertilizing machinery.....	13,895			
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	5,190	977
	331212	Carbon steel sheet and strip.....	...	do.....	7,507	1,001
	331213	Carbon steel plates.....	...	do.....	1,534	157
	331215	Carbon steel structural shapes.....	...	do.....	972	133
	331219	All other carbon steel mill shapes and forms.....	...	do.....	483	44
	301151	Inner tubes.....	...	Number.....	2,235	8
	332011	Iron castings (gray and malleable).....	...	Short ton...	994	324
35224		Sprayers and dusters.....	19,998			
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	910	139
	331212	Carbon steel sheet and strip.....	...	do.....	4,673	762
	331215	Carbon steel structural shapes.....	...	do.....	271	45
	331217	Carbon steel wire and wire products.....	...	do.....	353	61
	331219	All other carbon steel mill shapes and forms.....	...	do.....	224	63
	332011	Iron castings (gray and malleable).....	...	do.....	640	218
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	97	54
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	165	134
	336121	Copper and copper-base alloy castings.....	...	do.....	269	172
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	140	165

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3522		FARM MACHINERY (EXCEPT TRACTORS) -Continued				
		Establishments with 90 percent or more product specialization--Continued				
35225		Harvesting machinery.....	65,582	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	20,304	2,542
	331212	Carbon steel sheet and strip.....	...	..do.....	29,975	3,434
	331213	Carbon steel plates.....	...	..do.....	2,147	243
	331215	Carbon steel structural shapes.....	...	..do.....	3,800	414
	331217	Carbon steel wire and wire products.....	...	..do.....	705	127
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	4,478	1,035
	301151	Inner tubes.....	...	Number.....	50,220	168
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	46	27
35226		Haying machinery.....	50,264	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	10,479	1,192
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	811	230
35227		Lawn mowers.....	84,396	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	366	139
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	84	31
	331211	Carbon steel bars and bar shapes.....	...	..do.....	8,154	1,480
	331212	Carbon steel sheet and strip.....	...	..do.....	14,118	2,663
	331217	Carbon steel wire and wire products.....	...	..do.....	84	13
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,297	361
	301151	Inner tubes.....	...	Number.....	2,941	6
	332011	Iron castings (gray and malleable).....	...	Short ton...	7,909	2,157
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	250	140
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	4,476	1,966
35229		All other farm machines and equipment.....	65,566	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	180	49
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	419	125
	331211	Carbon steel bars and bar shapes.....	...	..do.....	7,785	1,182
	331212	Carbon steel sheet and strip.....	...	..do.....	37,102	5,658
	331213	Carbon steel plates.....	...	..do.....	1,261	196
	331215	Carbon steel structural shapes.....	...	..do.....	1,292	229
	331217	Carbon steel wire and wire products.....	...	..do.....	1,716	364
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	3,454	741
	301151	Inner tubes.....	...	Number.....	1,515	5
	331251	Pig iron.....	...	Short ton...	1,844	101
	332011	Iron castings (gray and malleable).....	...	..do.....	3,185	1,003
	332311	Steel castings.....	...	..do.....	172	77
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	1,149	538
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	861	554
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,413	801
	361431	Integral horsepower electric motors and generators.....	...	Number.....	2,615	385
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	1,063	41
3531		CONSTRUCTION AND MINING MACHINERY:				
		All establishments in industry.....	1,132,333	.....	...	...
		Establishments with 90 percent or more industry specialization.....	684,804	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	19,336	4,308
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	10,638	2,231
	331211	Carbon steel bars and bar shapes.....	...	..do.....	71,349	10,362
	331212	Carbon steel sheet and strip.....	...	..do.....	29,849	3,513
	331213	Carbon steel plates.....	...	..do.....	168,907	18,482
	331215	Carbon steel structural shapes.....	...	..do.....	56,150	7,072
	331217	Carbon steel wire and wire products.....	...	..do.....	2,032	827
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	18,990	3,563
	331251	Pig iron.....	...	..do.....	7,699	451
	332011	Iron castings (gray and malleable).....	...	..do.....	59,422	15,316
	332311	Steel castings.....	...	..do.....	90,926	41,383
	336121	Copper and copper base alloy castings.....	...	1,000 lbs...	3,528	2,092
	351911	Gasoline and other carburetor engines.....	...	Number.....	22,426	6,342
	351921	Diesel and semi-Diesel engines.....	...	..do.....	8,722	16,869
	361431	Integral horsepower electric motors and generators.....	...	Number.....	9,486	6,041
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	11,739	632
	331231	Stainless steel mill shapes and forms.....	...	..do.....	382	404
35311		Establishments with 90 percent or more product specialization:				
		Cranes, except construction, power and overhead travel.....	24,595	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	575	147
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,806	278
	331212	Carbon steel sheet and strip.....	...	..do.....	814	140
	331213	Carbon steel plates.....	...	..do.....	1,803	242
	331215	Carbon steel structural shapes.....	...	..do.....	2,620	359
	331217	Carbon steel wire and wire products.....	...	..do.....	160	52
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	786	161
	332011	Iron castings (gray and malleable).....	...	..do.....	4,602	1,376
	332311	Steel castings.....	...	..do.....	3,498	1,138
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	437	222
	351911	Gasoline and other carburetor engines.....	...	Number.....	701	192
	351921	Diesel and semi-Diesel engines.....	...	..do.....	107	305
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,574	461

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3531		CONSTRUCTION AND MINING MACHINERY--Continued				
		Establishments with 90 percent or more product specialization--Continued				
35312		Power cranes, draglines, and shovels.....	192,551	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	7,062	1,565
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	5,785	870
	331211	Carbon steel bars and bar shapes.....	...	..do.....	19,666	2,788
	331212	Carbon steel sheet and strip.....	...	..do.....	5,790	656
	331213	Carbon steel plates.....	...	..do.....	43,264	4,540
	331215	Carbon steel structural shapes.....	...	..do.....	14,589	2,024
	331217	Carbon steel wire and wire products.....	...	..do.....	691	397
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,946	284
	332011	Iron castings (gray and malleable).....	...	Short ton...	18,446	4,594
	332311	Steel castings.....	...	..do.....	49,403	23,127
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	2,120	1,211
	351911	Gasoline and other carburetor engines.....	...	Number.....	3,648	1,663
	351921	Diesel and semi-Diesel engines.....	...	..do.....	3,631	8,313
35313		Mixers, pavers, and related equipment.....	8,158	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,128	152
	331212	Carbon steel sheet and strip.....	...	..do.....	1,237	170
	331213	Carbon steel plates.....	...	..do.....	1,746	217
	331215	Carbon steel structural shapes.....	...	..do.....	510	65
	332311	Steel castings.....	...	..do.....	9	5
	351911	Gasoline and other carburetor engines.....	...	Number.....	2,102	607
35314		Specialized mining machinery and equipment.....	6,683	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	939	106
	331213	Carbon steel plates.....	...	..do.....	3,542	363
	331215	Carbon steel structural shapes.....	...	..do.....	1,214	144
35315		Crushing, pulverizing, and screening machinery.....	13,205	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	342	63
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,544	286
	331212	Carbon steel sheet and strip.....	...	..do.....	397	48
	331213	Carbon steel plates.....	...	..do.....	2,784	299
	331215	Carbon steel structural shapes.....	...	..do.....	1,395	163
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	627	185
	332011	Iron castings (gray and malleable).....	...	..do.....	1,083	310
	332311	Steel castings.....	...	..do.....	2,296	1,146
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	77	67
	361431	Integral horsepower electric motors and generators.....	...	Number.....	79	38
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	17	26
35316		Excavating and road construction machinery.....	41,745	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	274	82
	331211	Carbon steel bars and bar shapes.....	...	..do.....	6,213	842
	331212	Carbon steel sheet and strip.....	...	..do.....	1,447	204
	331213	Carbon steel plates.....	...	..do.....	15,937	1,657
	331215	Carbon steel structural shapes.....	...	..do.....	5,001	694
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,457	248
	332011	Iron castings (gray and malleable).....	...	..do.....	3,092	580
	332311	Steel castings.....	...	..do.....	3,701	1,603
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	58	39
	351911	Gasoline and other carburetor engines.....	...	Number.....	2,050	712
	351921	Diesel and semi-Diesel engines.....	...	..do.....	1,445	2,333
35318		Other construction, mining, and similar machinery.....	44,535	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	2,461	635
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	472	172
	331211	Carbon steel bars and bar shapes.....	...	..do.....	6,044	1,273
	331212	Carbon steel sheet and strip.....	...	..do.....	1,295	179
	331213	Carbon steel plates.....	...	..do.....	4,325	546
	331215	Carbon steel structural shapes.....	...	..do.....	3,630	479
	331217	Carbon steel wire and wire products.....	...	..do.....	279	88
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,747	482
	332011	Iron castings (gray and malleable).....	...	..do.....	1,402	401
	332311	Steel castings.....	...	..do.....	752	392
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	101	59
	351911	Gasoline and other carburetor engines.....	...	Number.....	251	49
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	82	77
3532		OIL-FIELD MACHINERY AND TOOLS:				
		All establishments in industry.....	513,383	.....	...	...
		Establishments with 90 percent or more industry specialization.....	372,579	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	93,249	20,605
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	25,881	8,458
	331211	Carbon steel bars and bar shapes.....	...	..do.....	27,913	4,153
	331212	Carbon steel sheet and strip.....	...	..do.....	3,887	598
	331213	Carbon steel plates.....	...	..do.....	16,218	2,037
	331215	Carbon steel structural shapes.....	...	..do.....	32,102	4,296
	331217	Carbon steel wire and wire products.....	...	..do.....	1,415	489
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	26,399	5,384
	332011	Iron castings (gray and malleable).....	...	..do.....	23,056	4,883
	332311	Steel castings.....	...	..do.....	15,613	8,665
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	1,338	832
	351911	Gasoline and other carburetor engines.....	...	Number.....	2,389	1,640
	351921	Diesel and semi-Diesel engines.....	...	..do.....	461	1,488
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,370	1,403

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3532		OIL-FIELD MACHINERY AND TOOLS--Continued				
		Establishments with 90 percent or more product specialization:				
35321		Oil- and gas-field, drilling equipment.....	221,658	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	76,418	17,138
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	15,951	6,248
	331211	Carbon steel bars and bar shapes.....	...	..do.....	5,603	854
	331212	Carbon steel sheet and strip.....	...	..do.....	640	128
	331213	Carbon steel plates.....	...	..do.....	2,982	406
	331215	Carbon steel structural shapes.....	...	..do.....	3,441	545
	331217	Carbon steel wire and wire products.....	...	..do.....	290	98
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	5,135	964
	332011	Iron castings (gray and malleable).....	...	..do.....	1,193	427
	332311	Steel castings.....	...	..do.....	6,659	3,977
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	342	255
35322		Other oil, gas, and water well machinery and tools.....	83,356	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	9,638	2,010
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	8,261	1,674
	331211	Carbon steel bars and bar shapes.....	...	..do.....	13,637	1,962
	331212	Carbon steel sheet and strip.....	...	..do.....	1,834	235
	331213	Carbon steel plates.....	...	..do.....	11,124	1,315
	331215	Carbon steel structural shapes.....	...	..do.....	24,155	2,900
	331217	Carbon steel wire and wire products.....	...	..do.....	775	209
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	13,228	2,357
	332011	Iron castings (gray and malleable).....	...	..do.....	19,665	3,601
	332311	Steel castings.....	...	..do.....	6,618	3,322
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	921	527
	351911	Gasoline and other carburetor engines.....	...	Number.....	1,153	846
	351921	Diesel and semi-Diesel engines.....	...	..do.....	33	137
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	627	863
3541		MACHINE TOOLS:				
		All establishments in industry.....	1,146,932	.....	...	...
		Establishments with 90 percent or more industry specialization.	589,737	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	9,203	3,056
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,388	720
	331211	Carbon steel bars and bar shapes.....	...	..do.....	17,419	3,938
	331212	Carbon steel sheet and strip.....	...	..do.....	3,261	516
	331213	Carbon steel plates.....	...	..do.....	8,927	1,816
	331215	Carbon steel structural shapes.....	...	..do.....	1,598	418
	331251	Pig iron.....	...	..do.....	12,349	746
	332011	Iron castings (gray and malleable).....	...	..do.....	92,872	26,601
	332311	Steel castings.....	...	..do.....	2,946	1,742
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	670	302
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	963	762
	336121	Copper and copper-base alloy castings.....	...	..do.....	2,212	1,474
	361431	Integral horsepower electric motors and generators.....	...	1,000.....	44	8,592
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	21,410	829
	331231	Stainless steel mill shapes and forms.....	...	..do.....	79	95
		Establishments with 90 percent or more product specialization:				
35412		Drilling machines.....	22,846	.....	...	...
	332011	Iron castings (gray and malleable).....	...	Short ton..	7,944	2,578
	332311	Steel castings.....	...	..do.....	33	25
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	164	129
	361431	Integral horsepower electric motors and generators.....	...	1,000.....	2	247
35414		Grinding and polishing machines.....	48,490	.....	...	...
	332011	Iron castings (gray and malleable).....	...	Short ton..	19,690	2,438
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	11	12
	336121	Copper and copper-base alloy castings.....	...	..do.....	52	39
35415		Lathes, except woodworking.....	41,031	.....	...	...
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	104	123
	361431	Integral horsepower electric motors and generators.....	...	1,000.....	3	1,059
35417		Other machine tools, except home workshop.....	45,483	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	1,469	328
	331215	Carbon steel structural shapes.....	...	..do.....	40	6
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	135	41
	332011	Iron castings (gray and malleable).....	...	..do.....	7,149	2,320
	332311	Steel castings.....	...	..do.....	166	87
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	26	32
	336121	Copper and copper-base alloy castings.....	...	..do.....	20	14
	361431	Integral horsepower electric motors and generators.....	...	1,000.....	2	327
35419		Rebuilt machine tools.....	390,455	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	115	18
	331213	Carbon steel plates.....	...	..do.....	67	8
3542		METALWORKING MACHINERY:				
		All establishments in industry.....	839,899	.....	...	...
		Establishments with 90 percent or more industry specialization.	390,455	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	4,277	1,599
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,205	582
	331211	Carbon steel bars and bar shapes.....	...	..do.....	15,115	2,955
	331212	Carbon steel sheet and strip.....	...	..do.....	4,480	709
	331213	Carbon steel plates.....	...	..do.....	39,350	4,556
	331215	Carbon steel structural shapes.....	...	..do.....	3,846	615

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3542		METALWORKING MACHINERY--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	331219	All other carbon steel mill shapes and forms.....	...	Short ton..	12,320	3,132
	331251	Pig iron.....	...	..do.....	14,695	844
	332011	Iron castings (gray and malleable).....	...	..do.....	30,074	8,275
	332311	Steel castings.....	...	..do.....	25,954	8,517
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	696	459
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	3,710	3,285
	336121	Copper and copper-base alloy castings.....	...	..do.....	2,770	2,094
	361411	Fractional horsepower electric motors.....	...	Number.....	194,295	1,468
	361431	Integral horsepower electric motors and generators.....	...	..do.....	12,758	2,594
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	42,904	1,546
	331231	Stainless steel mill shapes and forms.....	...	..do.....	290	378
35421		Establishments with 90 percent or more product specialization:				
		Rolling mill machinery.....	55,325	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	1,564	235
	331213	Carbon steel plates.....	...	..do.....	4,697	484
	331215	Carbon steel structural shapes.....	...	..do.....	1,098	119
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	532	152
	332011	Iron castings (gray and malleable).....	...	..do.....	299	107
35422		Metalworking presses, including forging presses.....	65,350	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	250	106
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,082	326
	331213	Carbon steel plates.....	...	..do.....	8,944	1,086
	331215	Carbon steel structural shapes.....	...	..do.....	198	43
	332011	Iron castings (gray and malleable).....	...	..do.....	14,624	3,531
	332311	Steel castings.....	...	..do.....	1,768	628
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	163	112
	361411	Fractional horsepower electric motors.....	...	Number.....	3,133	28
	361431	Integral horsepower electric motors and generators.....	...	..do.....	2,955	654
35425		Bending and forming machines.....	2,913	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	373	66
	331215	Carbon steel structural shapes.....	...	..do.....	64	10
	332011	Iron castings (gray and malleable).....	...	..do.....	100	26
	332311	Steel castings.....	...	..do.....	80	36
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	10	8
	361431	Integral horsepower electric motors and generators.....	...	Number.....	330	62
35426		Power-driven hand tools.....	65,486	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	1,035	377
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,269	259
	332011	Iron castings (gray and malleable).....	...	..do.....	191	87
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	2,874	2,450
				1,000 lbs. (metal content)...		
35427	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	622	441
		Acetylene welding and cutting apparatus.....	21,903	.....	...	...
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	56	77
35428		Other metalworking machinery.....	14,734	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	80	38
	331211	Carbon steel bars and bar shapes.....	...	..do.....	974	158
	331213	Carbon steel plates.....	...	..do.....	539	65
	331215	Carbon steel structural shapes.....	...	..do.....	296	47
	332011	Iron castings (gray and malleable).....	...	..do.....	1,375	505
	332311	Steel castings.....	...	..do.....	227	133
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	42	34
	361431	Integral horsepower electric motors and generators.....	...	Number.....	420	66
3544		SPECIAL DIES AND TOOLS:				
		All establishments in industry.....	931,542	.....	...	...
		Establishments with 90 percent or more industry specialization.....	571,702	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	9,380	6,900
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	5,552	1,363
	331211	Carbon steel bars and bar shapes.....	...	..do.....	38,621	9,274
	331212	Carbon steel sheet and strip.....	...	..do.....	7,809	1,257
	331213	Carbon steel plates.....	...	..do.....	29,210	4,548
	332011	Iron castings (gray and malleable).....	...	..do.....	29,880	7,908
	332311	Steel castings.....	...	..do.....	5,578	2,696
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	871	515
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	740	586
	336121	Copper and copper-base alloy castings.....	...	..do.....	478	350
3545		METALWORKING MACHINERY ATTACHMENTS:				
		All establishments in industry.....	476,704	.....	...	...
		Establishments with 90 percent or more industry specialization.....	297,285	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	12,230	14,881
	331211	Carbon steel bars and bar shapes.....	...	..do.....	12,914	3,035
	331212	Carbon steel sheet and strip.....	...	..do.....	2,062	1,034
	331213	Carbon steel plates.....	...	..do.....	968	141
	332011	Iron castings (gray and malleable).....	...	..do.....	3,637	1,019
	332311	Steel castings.....	...	..do.....	827	650
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	602	620
	336121	Copper and copper-base alloy castings.....	...	..do.....	289	288

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3545		METALWORKING MACHINERY ATTACHMENTS--Continued				
35451		Establishments with 90 percent or more product specialization:				
		Cutting tools for machine tools metalworking machinery.....	165,112	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	8,565	12,199
	331211	Carbon steel bars and bar shapes.....	...	..do.....	6,503	1,560
	332011	Iron castings (gray and malleable).....	...	..do.....	48	18
35452		Precision measuring tools.....	42,127	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	638	291
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,232	260
	332011	Iron castings (gray and malleable).....	...	..do.....	141	46
35453		Other metalworking attachments and accessories.....	45,514	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	1,358	455
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,382	870
	332011	Iron castings (gray and malleable).....	...	..do.....	3,272	884
	332311	Steel castings.....	...	..do.....	353	202
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	378	274
	336121	Copper and copper-base alloy castings.....	...	..do.....	99	62
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	7	13
3551		FOOD-PRODUCTS MACHINERY:				
		All establishments in industry.....	404,261	.....	...	...
		Establishments with 90 percent or more industry specialization.	248,989	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	1,098	491
	331211	Carbon steel bars and bar shapes.....	...	..do.....	14,787	2,622
	331212	Carbon steel sheet and strip.....	...	..do.....	18,461	2,940
	331213	Carbon steel plates.....	...	..do.....	8,564	1,153
	331215	Carbon steel structural shapes.....	...	..do.....	3,728	569
	331217	Carbon steel wire and wire products.....	...	..do.....	369	122
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	6,039	1,611
	331251	Pig iron.....	...	..do.....	2,977	156
	332011	Iron castings (gray and malleable).....	...	..do.....	12,106	4,679
	332311	Steel castings.....	...	..do.....	1,101	738
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	612	364
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,929	1,704
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,923	1,618
	361431	Integral horsepower electric motors and generators.....	...	Number.....	24,539	2,834
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	625	24
	331231	Stainless steel mill shapes and forms.....	...	..do.....	7,060	8,507
		Establishments with 90 percent or more product specialization:				
35511		Dairy and milk products plant machinery and equipment.....	52,585	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,608	280
	331212	Carbon steel sheet and strip.....	...	..do.....	970	140
	331213	Carbon steel plates.....	...	..do.....	2,262	293
	331215	Carbon steel structural shapes.....	...	..do.....	236	39
	332011	Iron castings (gray and malleable).....	...	..do.....	2,070	813
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	207	103
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	218	285
	336121	Copper and copper-base alloy castings.....	...	..do.....	347	254
	361431	Integral horsepower electric motors and generators.....	...	Number.....	5,548	491
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	2,042	2,419
35512		Bakery machinery and equipment.....	16,296	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,551	331
	331212	Carbon steel sheet and strip.....	...	..do.....	2,841	393
	331213	Carbon steel plates.....	...	..do.....	296	50
	331215	Carbon steel structural shapes.....	...	..do.....	309	51
	332011	Iron castings (gray and malleable).....	...	..do.....	768	301
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	8	7
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	84	62
	336121	Copper and copper-base alloy castings.....	...	..do.....	62	46
	361431	Integral horsepower electric motors and generators.....	...	Number.....	1,552	143
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	77	103
35513		Bottling machinery, except dairy.....	954	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	30	6
35514		Other industrial food-products machinery.....	67,303	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	103	63
	331211	Carbon steel bars and bar shapes.....	...	..do.....	6,148	1,022
	331212	Carbon steel sheet and strip.....	...	..do.....	9,596	1,415
	331213	Carbon steel plates.....	...	..do.....	2,301	333
	331215	Carbon steel structural shapes.....	...	..do.....	2,064	303
	331217	Carbon steel wire and wire products.....	...	..do.....	203	51
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,067	203
	331251	Pig iron.....	...	..do.....	719	39
	332011	Iron castings (gray and malleable).....	...	..do.....	3,847	1,360
	332311	Steel castings.....	...	..do.....	604	343
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	203	127
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	141	115
	336121	Copper and copper-base alloy castings.....	...	..do.....	283	230
	361431	Integral horsepower electric motors and generators.....	...	Number.....	6,587	1,292
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,744	1,981

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3551		FOOD-PRODUCTS MACHINERY--Continued				
		Establishments with 90 percent or more product specialization--Continued				
35515		Other commercial food-products machinery.....	31,956	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	422	161
	331211	Carbon steel bars and bar shapes.....	...	..do.....	910	238
	331212	Carbon steel sheet and strip.....	...	..do.....	1,933	553
	331213	Carbon steel plates.....	...	..do.....	788	107
	331215	Carbon steel structural shapes.....	...	..do.....	46	8
	331217	Carbon steel wire and wire products.....	...	..do.....	92	28
	332011	Iron castings (gray and malleable).....	...	..do.....	917	562
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	68	36
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,143	915
	361431	Integral horsepower electric motors and generators.....	...	Number.....	6,093	345
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	422	448
3552		TEXTILE MACHINERY:				
		All establishments in industry.....	336,785	.....	...	...
		Establishments with 90 percent or more industry specialization.	211,654	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	1,348	455
	331225	All other steel mill shapes and forms.....	...	..do.....	633	274
	331211	Carbon steel bars and bar shapes.....	...	..do.....	21,649	3,890
	331212	Carbon steel sheet and strip.....	...	..do.....	10,141	2,493
	331213	Carbon steel plates.....	...	..do.....	1,950	260
	331215	Carbon steel structural shapes.....	...	..do.....	3,095	693
	331217	Carbon steel wire and wire products.....	...	..do.....	4,421	2,705
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,866	394
	331251	Pig iron.....	...	..do.....	16,134	930
	332011	Iron castings (gray and malleable).....	...	..do.....	40,894	12,508
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	1,431	748
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	868	644
	361431	Integral horsepower electric motors and generators.....	...	Number.....	15,795	1,476
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	15,404	526
	331231	Stainless steel mill shapes and forms.....	...	..do.....	1,548	2,205
35521		Establishments with 90 percent or more product specialization:				
		Textile machinery.....	19,086	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	68	15
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,142	413
	331212	Carbon steel sheet and strip.....	...	..do.....	664	119
	331213	Carbon steel plates.....	...	..do.....	145	30
	331217	Carbon steel wire and wire products.....	...	..do.....	437	132
	332011	Iron castings (gray and malleable).....	...	..do.....	1,499	497
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	158	118
	361431	Integral horsepower electric motors and generators.....	...	Number.....	2,704	389
35522		Parts and attachments for textile machinery.....	66,306	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	2,961	609
	331212	Carbon steel sheet and strip.....	...	..do.....	7,670	1,392
	331213	Carbon steel plates.....	...	..do.....	129	26
	331215	Carbon steel structural shapes.....	...	..do.....	191	32
	331217	Carbon steel wire and wire products.....	...	..do.....	3,555	2,384
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	478	111
	331251	Pig iron.....	...	..do.....	1,112	58
	332011	Iron castings (gray and malleable).....	...	..do.....	9,813	1,361
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	561	296
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	266	170
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	1,146	42
	331231	Stainless steel mill shapes and forms.....	...	..do.....	309	657
3553		WOODWORKING MACHINERY:				
		All establishments in industry.....	167,160	.....	...	...
		Establishments with 90 percent or more industry specialization.	78,099	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	828	670
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,647	1,156
	331212	Carbon steel sheet and strip.....	...	..do.....	1,585	260
	331213	Carbon steel plates.....	...	..do.....	2,245	339
	331215	Carbon steel structural shapes.....	...	..do.....	1,922	336
	331251	Pig iron.....	...	..do.....	413	24
	332011	Iron castings (gray and malleable).....	...	..do.....	9,800	2,659
	332311	Steel castings.....	...	..do.....	1,858	681
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs..	188	102
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	2,292	1,118
	336121	Copper and copper-base alloy castings.....	...	..do.....	171	117
	361411	Fractional horsepower electric motors and generators.....	...	Number.....	41,400	907
	361431	Integral horsepower electric motors and generators.....	...	..do.....	4,573	869
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton..	604	25
	331231	Stainless steel mill shapes and forms.....	...	..do.....	32	46
35531		Establishments with 90 percent or more product specialization:				
		Woodworking machinery, except home workshops.....	57,884	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	813	644
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,160	1,046
	331212	Carbon steel sheet and strip.....	...	..do.....	1,091	197
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	859	235
	332011	Iron castings (gray and malleable).....	...	..do.....	5,254	1,662
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs..	484	451

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954 BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3553		WOODWORKING MACHINERY--Continued				
		Establishments with 90 percent or more product specialization--Continued				
		Woodworking machinery, except home workshops--Continued				
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	150	108
	361431	Fractional horsepower electric motors.....	...	Number.....	25,920	287
	361431	Integral horsepower electric motors and generators.....	...	..do.....	4,445	855
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	579	23
	331231	Stainless steel mill shapes and forms.....	...	..do.....	27	38
35532		Woodworking machinery, for home workshops.....	2,241	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	11	24
3554		PAPER-INDUSTRIES MACHINERY:				
		All establishments in industry.....	196,635	.....	...	...
		Establishments with 90 percent or more industry specialization.	106,909	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	6,292	1,355
	331212	Carbon steel sheet and strip.....	...	..do.....	716	167
	331213	Carbon steel plates.....	...	..do.....	4,648	651
	331215	Carbon steel structural shapes.....	...	..do.....	2,215	364
	331217	Carbon steel wire and wire products.....	...	..do.....	17	7
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,933	585
	331251	Pig iron.....	...	..do.....	8,132	483
	332011	Iron castings (gray and malleable).....	...	..do.....	12,999	3,820
	332311	Steel castings.....	...	..do.....	1,167	578
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	288	157
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	800	520
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	9,358	432
	331231	Stainless steel mill shapes and forms.....	...	..do.....	818	848
3559		SPECIAL-INDUSTRY MACHINERY:				
		All establishments in industry.....	580,515	.....	...	...
		Establishments with 90 percent or more industry specialization.	284,088	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	1,674	648
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	2,017	408
	331211	Carbon steel bars and bar shapes.....	...	..do.....	27,761	4,482
	331212	Carbon steel sheet and strip.....	...	..do.....	12,909	1,945
	331213	Carbon steel plates.....	...	..do.....	30,114	3,570
	331215	Carbon steel structural shapes.....	...	..do.....	7,926	1,080
	331217	Carbon steel wire and wire products.....	...	..do.....	655	208
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	7,904	1,921
	331251	Pig iron.....	...	..do.....	3,873	220
	332011	Iron castings (gray and malleable).....	...	..do.....	17,588	5,690
	332311	Steel castings.....	...	..do.....	5,942	2,333
	333411	Aluminum and aluminum-base alloy refinery shapes.....	...	..do.....	805	342
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	359	225
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	536	419
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,920	1,225
	361431	Integral horsepower electric motors and generators.....	...	Number.....	11,669	1,884
				1,000 lbs. (metal content)...	72	60
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	3,631	129
	331231	Stainless steel mill shapes and forms.....	...	..do.....	4,352	4,468
35591		Establishments with 90 percent or more product specialization:				
		Chemical industries machinery and equipment.....	23,585	.....	...	...
	331213	Carbon steel plates.....	...	Short ton...	1,504	189
	331215	Carbon steel structural shapes.....	...	..do.....	410	57
	332011	Iron castings (gray and malleable).....	...	..do.....	1,066	365
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	134	98
	336121	Copper and copper-base alloy castings.....	...	..do.....	21	18
	361431	Integral horsepower electric motors and generators.....	...	Number.....	316	65
35592		Foundry machinery and equipment, except molds.....	23,127	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	7,987	1,199
	331212	Carbon steel sheet and strip.....	...	..do.....	1,189	157
	331213	Carbon steel plates.....	...	..do.....	5,123	735
	331215	Carbon steel structural shapes.....	...	..do.....	1,345	182
	332011	Iron castings (gray and malleable).....	...	..do.....	1,205	418
	332311	Steel castings.....	...	..do.....	218	118
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	28	20
35593		Plastics working machinery and equipment, except molds.....	6,700	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	195	170
	331211	Carbon steel bars and bar shapes.....	...	..do.....	375	78
	331212	Carbon steel sheet and strip.....	...	..do.....	115	21
	331213	Carbon steel plates.....	...	..do.....	305	42
	332011	Iron castings (gray and malleable).....	...	..do.....	87	33
	361431	Integral horsepower electric motors and generators.....	...	Number.....	802	163
35594		Rubber working machinery and equipment, except molds.....	26,861	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	112	33
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,914	291
	331215	Carbon steel structural shapes.....	...	..do.....	419	70
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	289	89
	332011	Iron castings (gray and malleable).....	...	..do.....	1,959	559

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3559		SPECIAL-INDUSTRY MACHINERY--Continued				
		Establishments with 90 percent or more product specialization--Continued				
35594		Rubber working machinery and equipment, except molds--Continued				
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	27	13
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	24	22
	361431	Integral horsepower electric motors and generators.....	...	Number.....	755	141
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	..do.....	16	11
35597		Other special industry machinery and equipment.....	160,133	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	645	320
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	622	179
	331211	Carbon steel bars and bar shapes.....	...	..do.....	9,911	1,899
	331212	Carbon steel sheet and strip.....	...	..do.....	7,042	1,141
	331213	Carbon steel plates.....	...	..do.....	6,784	951
	331215	Carbon steel structural shapes.....	...	..do.....	4,410	585
	331217	Carbon steel wire and wire products.....	...	..do.....	295	123
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	3,563	842
	331251	Pig iron.....	...	..do.....	1,956	114
	332011	Iron castings (gray and malleable).....	...	..do.....	9,229	3,323
	332311	Steel castings.....	...	..do.....	1,010	564
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	134	81
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	378	304
	336121	Copper and copper-base alloy castings.....	...	..do.....	871	514
	361431	Integral horsepower electric motors and generators.....	...	Number.....	8,956	1,160
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	..do.....	45	41
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	433	16
	331231	Stainless steel mill shapes and forms.....	...	..do.....	537	642
3561		PUMPS AND COMPRESSORS:				
		All establishments in industry.....	890,873	.....	...	...
		Establishments with 90 percent or more industry specialization.	497,106	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	3,148	1,263
	331225	All other steel mill shapes and forms.....	...	..do.....	5,331	2,177
	331211	Carbon steel bars and bar shapes.....	...	..do.....	17,758	3,564
	331212	Carbon steel sheet and strip.....	...	..do.....	10,518	1,971
	331213	Carbon steel plates.....	...	..do.....	5,145	894
	331215	Carbon steel structural shapes.....	...	..do.....	3,562	604
	331217	Carbon steel wire and wire products.....	...	..do.....	329	54
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	35,715	7,695
	331251	Pig iron.....	...	..do.....	23,975	1,478
	332011	Iron castings (gray and malleable).....	...	..do.....	79,486	26,214
	332311	Steel castings.....	...	..do.....	8,232	8,921
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	1,242	756
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	315	124
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	3,613	1,910
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	456	494
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	3,121	3,394
	336121	Copper and copper-base alloy castings.....	...	..do.....	12,729	8,678
	351911	Gasoline and other carburetor engines.....	...	Number.....	57,466	4,333
	351921	Diesel and semi-Diesel engines.....	...	..do.....	343	641
	361411	Fractional horsepower electric motors.....	...	..do.....	746,047	18,865
	361431	Integral horsepower electric motors and generators.....	...	..do.....	86,769	13,060
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	..do.....	1,572	1,015
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	25,081	988
	941021	Copper and copper-base alloy nonferrous scrap (excluding home scrap).....	...	..do.....	1,656	819
	331231	Stainless steel mill shapes and forms.....	...	..do.....	2,342	2,550
35611		Establishments with 90 percent or more product specialization:				
		Industrial pumps.....	58,447	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	362	122
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	187	49
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,491	327
	331213	Carbon steel plates.....	...	..do.....	537	91
	331215	Carbon steel structural shapes.....	...	..do.....	350	62
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	2,451	454
	331251	Pig iron.....	...	..do.....	590	33
	332011	Iron castings (gray and malleable).....	...	..do.....	10,142	2,914
	332311	Steel castings.....	...	..do.....	261	230
	333111	Copper and copper-base alloy mill shapes and forms.....	...	..do.....	146	89
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	143	73
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	157	156
	336121	Copper and copper-base alloy castings.....	...	..do.....	2,119	1,376
	361411	Fractional horsepower electric motors.....	...	Number.....	152,722	3,916
	361431	Integral horsepower electric motors and generators.....	...	..do.....	13,878	2,089
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	960	31
	331231	Stainless steel mill shapes and forms.....	...	..do.....	488	585

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3561		PUMPS AND COMPRESSORS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
35612		Domestic water systems, including hand pumps.....	13,542	.....	...	...
	332011	Iron castings (gray and malleable).....	...	Short ton...	2,562	1,502
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	200	128
	336121	Copper and copper-base alloy castings.....	...	..do.....	320	293
	361411	Fractional horsepower electric motors.....	...	Number.....	61,689	2,334
	361431	Integral horsepower electric motors and generators.....	...	..do.....	5,848	339
35613		Air and gas compressors, except refrigeration.....	20,120	.....	...	...
	332011	Iron castings (gray and malleable).....	...	Short ton...	487	180
	351911	Gasoline and other carburetor engines.....	...	Number.....	14,470	844
	361411	Fractional horsepower electric motors.....	...	..do.....	620	18
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,611	212
35614		Industrial spraying equipment.....	6,433	.....	...	...
	361411	Fractional horsepower electric motors.....	...	Number.....	29,547	399
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,173	35
35615		Other pumps and compressors.....	15,322	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	386	145
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,441	257
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,621	727
	332011	Iron castings (gray and malleable).....	...	..do.....	262	102
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	244	133
	336121	Copper and copper-base alloy castings.....	...	..do.....	58	37
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	89	89
35616		Parts and attachments for pumps and compressors.....	8,252	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	97	32
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	128	50
	331211	Carbon steel bars and bar shapes.....	...	..do.....	576	128
3562		ELEVATORS AND ESCALATORS:				
		All establishments in industry.....	161,024	.....	...	...
		Establishments with 90 percent or more industry specialization.	53,480	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	44	11
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	54	26
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,678	434
	331212	Carbon steel sheet and strip.....	...	..do.....	1,918	316
	331213	Carbon steel plates.....	...	..do.....	3,651	387
	331215	Carbon steel structural shapes.....	...	..do.....	6,887	972
	331217	Carbon steel wire and wire products.....	...	..do.....	238	147
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	7,480	1,069
	332011	Iron castings (gray and malleable).....	...	..do.....	2,893	839
	332311	Steel castings.....	...	..do.....	512	281
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs...	281	202
	361411	Fractional horsepower electric motors.....	...	Number.....	6,027	400
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,871	947
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	75	87
3563		CONVEYORS:				
		All establishments in industry.....	479,224	.....	...	...
		Establishments with 90 percent or more industry specialization.	172,323	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	596	203
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	277	100
	331211	Carbon steel bars and bar shapes.....	...	..do.....	24,173	3,678
	331212	Carbon steel sheet and strip.....	...	..do.....	27,166	3,821
	331213	Carbon steel plates.....	...	..do.....	18,834	2,449
	331215	Carbon steel structural shapes.....	...	..do.....	34,941	4,749
	331217	Carbon steel wire and wire products.....	...	..do.....	516	132
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	11,094	2,266
	332011	Iron castings (gray and malleable)	...	..do.....	7,700	1,754
	332311	Steel castings.....	...	..do.....	1,720	992
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	45	21
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	38	24
	336121	Copper and copper-base alloy castings.....	...	..do.....	169	110
	351911	Gasoline and other carburetor engines.....	...	Number.....	10,347	559
	361411	Fractional horsepower electric motors.....	...	..do.....	35,220	1,210
	361431	Integral horsepower electric motors and generators.....	...	..do.....	6,620	1,330
		Establishments with 90 percent or more product specialization:				
		Overhead traveling cranes and monorail systems.....	31,941	.....	...	...
35631		Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	105	25
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,117	271
	331212	Carbon steel sheet and strip.....	...	..do.....	414	50
	331213	Carbon steel plates.....	...	..do.....	6,717	787
	331215	Carbon steel structural shapes.....	...	..do.....	7,544	1,015
	331217	Carbon steel wire and wire products.....	...	..do.....	41	10
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	950	189
	332011	Iron castings (gray and malleable).....	...	..do.....	1,065	382
	332311	Steel castings.....	...	..do.....	719	492
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	40	18
	336121	Copper and copper-base alloy castings.....	...	..do.....	143	93
	361411	Fractional horsepower electric motors.....	...	Number.....	16,556	544
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,678	502
		Establishments with 90 percent or more product specialization:				
		Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)	193	129
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	447	542
		Establishments with 90 percent or more product specialization:				
		Overhead traveling cranes and monorail systems.....	31,941	.....	...	...
35631		Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	105	25
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,117	271
	331212	Carbon steel sheet and strip.....	...	..do.....	414	50
	331213	Carbon steel plates.....	...	..do.....	6,717	787
	331215	Carbon steel structural shapes.....	...	..do.....	7,544	1,015
	331217	Carbon steel wire and wire products.....	...	..do.....	41	10
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	950	189
	332011	Iron castings (gray and malleable).....	...	..do.....	1,065	382
	332311	Steel castings.....	...	..do.....	719	492
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	40	18
	336121	Copper and copper-base alloy castings.....	...	..do.....	143	93
	361411	Fractional horsepower electric motors.....	...	Number.....	16,556	544
	361431	Integral horsepower electric motors and generators.....	...	..do.....	1,678	502
		Establishments with 90 percent or more product specialization:				
		Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	98	62

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3563		CONVEYORS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
35632		Farm elevators and parts.....	11,170	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	5,099	902
	331212	Carbon steel sheet and strip.....	...	..do.....	9,368	1,478
	331213	Carbon steel plates.....	...	..do.....	247	36
	331215	Carbon steel structural shapes.....	...	..do.....	367	59
	331217	Carbon steel wire and wire products.....	...	..do.....	102	22
	332011	Iron castings (gray and malleable).....	...	..do.....	384	111
	361411	Fractional horsepower electric motors.....	...	Number.....	783	23
	361431	Integral horsepower electric motors and generators.....	...	..do.....	130	9
35633		Conveyors and conveying equipment (except hoists).....	69,085	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	83	74
	331211	Carbon steel bars and bar shapes.....	...	..do.....	9,187	1,402
	331212	Carbon steel sheet and strip.....	...	..do.....	7,769	1,165
	331213	Carbon steel plates.....	...	..do.....	4,827	769
	331215	Carbon steel structural shapes.....	...	..do.....	12,696	1,820
	331217	Carbon steel wire and wire products.....	...	..do.....	212	52
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	6,879	1,328
	332011	Iron castings (gray and malleable).....	...	..do.....	3,774	422
	332311	Steel castings.....	...	..do.....	244	166
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	22	13
	361411	Fractional horsepower electric motors.....	...	Number.....	7,975	333
	361431	Integral horsepower electric motors and generators.....	...	..do.....	2,294	379
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	236	295
3564		BLOWERS AND FANS:				
		All establishments in industry.....	261,825	.....	...	...
		Establishments with 90 percent or more industry specialization.	118,023	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	168	56
	331211	Carbon steel bars and bar shapes.....	...	..do.....	3,771	555
	331212	Carbon steel sheet and strip.....	...	..do.....	48,162	6,535
	331213	Carbon steel plates.....	...	..do.....	6,795	921
	331215	Carbon steel structural shapes.....	...	..do.....	969	144
	331217	Carbon steel wire and wire products.....	...	..do.....	1,115	547
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,242	243
	332011	Iron castings (gray and malleable).....	...	..do.....	3,374	1,169
	332311	Steel castings.....	...	..do.....	165	86
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	171	116
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,294	937
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	705	522
	336121	Copper and copper-base alloy castings.....	...	..do.....	81	52
	361411	Fractional horsepower electric motors.....	...	Number.....	857,092	7,672
	361431	Integral horsepower electric motors and generators.....	...	..do.....	11,148	1,216
				1,000 lbs. (metal content)...	237	128
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton..	525	590
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	525	590
3565		INDUSTRIAL TRUCKS AND TRACTORS:				
		All establishments in industry.....	245,110	.....	...	...
		Establishments with 90 percent or more industry specialization.	141,808	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	5,085	1,037
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	258	83
	331211	Carbon steel bars and bar shapes.....	...	..do.....	13,297	1,756
	331212	Carbon steel sheet and strip.....	...	..do.....	12,516	1,516
	331213	Carbon steel plates.....	...	..do.....	24,070	2,525
	331215	Carbon steel structural shapes.....	...	..do.....	13,220	1,641
	331217	Carbon steel wire and wire products.....	...	..do.....	4,586	721
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	12,290	2,170
	332011	Iron castings (gray or malleable).....	...	..do.....	19,078	3,645
	332311	Steel castings.....	...	..do.....	4,506	2,280
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	224	143
	351911	Gasoline and other carburetor engines.....	...	Number.....	19,235	4,809
	351921	Diesel and semi-Diesel engines.....	...	..do.....	74	110
	361411	Fractional horsepower electric motors.....	...	..do.....	12,612	496
	361431	Integral horsepower electric motors and generators.....	...	..do.....	3,186	383
				1,000 lbs. (metal content)...	394	288
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton..	69	84
	369111	Storage batteries.....	...	Number.....	12,053	2,726
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	69	84
3566		POWER-TRANSMISSION EQUIPMENT:				
		All establishments in industry.....	603,633	.....	...	...
		Establishments with 90 percent or more industry specialization.	395,289	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	13,579	3,839
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	13,513	5,209
	331211	Carbon steel bars and bar shapes.....	...	..do.....	27,579	5,459
	331212	Carbon steel sheet and strip.....	...	..do.....	44,119	7,590
	331213	Carbon steel plates.....	...	..do.....	5,459	868
	331215	Carbon steel structural shapes.....	...	..do.....	242	40
	331217	Carbon steel wire and wire products.....	...	..do.....	335	78
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	5,065	1,524

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3566		POWER-TRANSMISSION EQUIPMENT--Continued Establishments with 90 percent or more industry specialization--Continued				
	331251	Pig iron.....	...	Short ton...	4,995	283
	332011	Iron castings (gray and malleable).....	...	..do.....	48,708	13,090
	332311	Steel castings.....	...	..do.....	10,149	4,557
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	5,151	2,939
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	346	259
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,251	870
	336121	Copper and copper-base alloy castings.....	...	..do.....	6,992	4,677
	941011	Iron and steel scrap (purchased scrap only).....	...	Short ton...	5,188	206
	941021	Copper and copper-base alloy scrap (purchased scrap only).....	...	..do.....	5,986	2,886
	331231	Stainless steel mill shapes and forms.....	...	..do.....	668	796
35661		Establishments with 90 percent or more product specialization:				
		Plain bearings.....	115,480	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	91	64
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,241	862
	331212	Carbon steel sheet and strip.....	...	..do.....	24,637	4,288
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,192	295
	332311	Steel castings.....	...	..do.....	89	49
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	4,692	2,611
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	300	221
	336121	Copper and copper-base alloy castings.....	...	..do.....	3,138	1,583
	941021	Copper and copper-base alloy scrap (purchased scrap only).....	...	Short ton...	5,905	2,845
	331231	Stainless steel mill shapes and forms.....	...	..do.....	45	47
35662		Speed changers, industrial speed drives and gears.....	120,126	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	5,139	1,362
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	3,333	1,251
	331211	Carbon steel bars and bar shapes.....	...	..do.....	8,657	1,859
	331213	Carbon steel plates.....	...	..do.....	369	77
	331215	Carbon steel structural shapes.....	...	..do.....	86	12
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,455	441
	332011	Iron castings (gray and malleable).....	...	..do.....	14,438	4,595
	332311	Steel castings.....	...	..do.....	6,916	2,890
	355211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	11	10
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	309	226
	336121	Copper and copper-base alloy castings.....	...	..do.....	2,312	1,677
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	126	123
35663		Other mechanical power-transmission equipment.....	97,787	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	6,351	1,596
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	7,169	2,425
	331211	Carbon steel bars and bar shapes.....	...	..do.....	11,108	2,026
	331212	Carbon steel sheet and strip.....	...	..do.....	19,228	3,259
	331213	Carbon steel plates.....	...	..do.....	3,999	580
	331217	Carbon steel wire and wire products.....	...	..do.....	181	36
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,909	627
	332011	Iron castings (gray and malleable).....	...	..do.....	25,807	6,136
	332311	Steel castings.....	...	..do.....	691	444
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	229	179
	336121	Copper and copper-base alloy castings.....	...	..do.....	148	106
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	367	423
3567		INDUSTRIAL FURNACES AND OVENS: All establishments in industry.....	160,132	.....	...	...
		Establishments with 90 percent or more industry specialization.....	93,960	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	2,641	374
	331212	Carbon steel sheet and strip.....	...	..do.....	5,420	768
	331213	Carbon steel plates.....	...	..do.....	15,184	1,774
	331215	Carbon steel structural shapes.....	...	..do.....	13,343	1,757
	332311	Steel castings.....	...	..do.....	1,312	828
	331231	Stainless steel mill shapes and forms.....	...	..do.....	2,905	4,064
35671		Establishments with 90 percent or more product specialization: Electric industrial furnaces and ovens.....	5,500	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	224	33
	331212	Carbon steel sheet and strip.....	...	..do.....	337	91
	331215	Carbon steel structural shapes.....	...	..do.....	273	40
35672		Fuel-fired industrial furnaces and ovens.....	36,726	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,245	166
	331212	Carbon steel sheet and strip.....	...	..do.....	2,413	318
	331213	Carbon steel plates.....	...	..do.....	9,838	1,109
	331215	Carbon steel structural shapes.....	...	..do.....	7,951	984
35673		Parts and attachments for industrial furnaces and ovens.....	3,179	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	257	39
3569		GENERAL INDUSTRIAL MACHINERY, N.E.C.: All establishments in industry.....	370,499	.....	...	...
		Establishments with 90 percent or more industry specialization.....	178,133	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	452	246
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,020	439
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,010	755
	331212	Carbon steel sheet and strip.....	...	..do.....	7,350	1,092

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3569		GENERAL INDUSTRIAL MACHINERY, N.E.C.--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	331213	Carbon steel plates.....	...	Short ton...	11,575	1,726
	331215	Carbon steel structural shapes.....	...	..do.....	3,297	535
	331217	Carbon steel wire and wire products.....	...	..do.....	1,680	539
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	77,597	8,820
	332011	Iron castings (gray and malleable).....	...	..do.....	4,876	1,730
	332311	Steel castings.....	...	..do.....	1,197	740
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	1,565	821
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	10,958	7,056
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	956	577
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	584	628
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,504	1,070
	361411	Fractional horsepower electric motors.....	...	Number.....	35,883	709
	361431	Integral horsepower electric motors and generators.....	...	..do.....	2,631	725
				1,000 lbs. (metal content)...	26	21
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	1,148	1,802
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,148	1,802
		Establishments with 90 percent or more product specialization:				
35691		Heat exchangers and steam condensers.....	40,610	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	112	49
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	465	239
	331211	Carbon steel bars and bar shapes.....	...	..do.....	1,360	195
	331212	Carbon steel sheet and strip.....	...	..do.....	3,650	469
	331213	Carbon steel plates.....	...	..do.....	8,496	1,247
	331215	Carbon steel structural shapes.....	...	..do.....	1,114	193
	331217	Carbon steel wire and wire products.....	...	..do.....	475	85
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	9,052	2,475
	332011	Iron castings (gray and malleable).....	...	..do.....	746	280
	332311	Steel castings.....	...	..do.....	522	280
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	8,998	5,721
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	493	303
	336121	Copper and copper-base alloy castings.....	...	..do.....	635	476
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	359	802
3571		COMPUTING AND RELATED MACHINES:				
		All establishments in industry.....	614,265	.....	...	...
		Establishments with 90 percent or more industry specialization.	245,659	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	213	142
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,096	486
	331211	Carbon steel bars and bar shapes.....	...	..do.....	8,509	1,578
	331212	Carbon steel sheet and strip.....	...	..do.....	16,303	3,359
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	423	250
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,027	928
	361411	Fractional horsepower electric motors.....	...	Number.....	134,577	3,376
3579		OFFICE AND STORE MACHINES, N.E.C.:				
		All establishments in industry.....	276,437	.....	...	...
		Establishments with 90 percent or more industry specialization.	84,692	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	3,767	693
	331212	Carbon steel sheet and strip.....	...	..do.....	4,466	753
	332311	Steel castings.....	...	..do.....	187	96
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	332	176
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	801	509
	361411	Fractional horsepower electric motors.....	...	Number.....	35,985	428
3581		DOMESTIC LAUNDRY EQUIPMENT:				
		All establishments in industry.....	527,535	.....	...	...
		Establishments with 90 percent or more industry specialization.	452,167	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	17,362	2,932
	331212	Carbon steel sheet and strip.....	...	..do.....	211,237	27,411
	332011	Iron castings (gray and malleable).....	...	..do.....	23,338	5,831
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	2,076	798
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	20,500	10,580
	336121	Copper and copper-base alloy castings.....	...	..do.....	48	33
	361411	Fractional horsepower electric motors.....	...	Number.....	3,157,618	29,986
				1,000 lbs. (metal content)...	760	567
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,015	945
		Establishments with 90 percent or more product specialization:				
35811		Household mechanical washing machines.....	131,677	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	7,668	1,371
	331212	Carbon steel sheet and strip.....	...	..do.....	49,998	7,217
	332011	Iron castings (gray and malleable).....	...	..do.....	7,565	2,595
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	15,290	7,833
	336121	Copper and copper-base alloy castings.....	...	..do.....	32	21
	361411	Fractional horsepower electric motors.....	...	Number.....	1,058,775	9,473
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	522	654

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3582		LAUNDRY AND DRY-CLEANING EQUIPMENT:				
		All establishments in industry.....	88,065	.....	...	...
		Establishments with 90 percent or more industry specialization.....	57,022	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	.....	Short ton..	134	43
	331211	Carbon steel bars and bar shapes.....	.....	..do.....	3,129	569
	331212	Carbon steel sheet and strip.....	.....	..do.....	7,012	1,135
	331213	Carbon steel plates.....	.....	..do.....	2,638	379
	331215	Carbon steel structural shapes.....	.....	..do.....	1,250	211
	331217	Carbon steel wire and wire products.....	.....	..do.....	197	87
	331219	All other carbon steel mill shapes and forms.....	.....	..do.....	1,301	367
	332011	Iron castings (gray and malleable).....	.....	..do.....	6,804	1,998
	335119	Copper and copper-base alloy mill shapes and forms.....	.....	1,000 lbs...	775	399
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	.....	..do.....	1,087	615
	336111	Aluminum and aluminum-base alloy castings.....	.....	..do.....	399	264
	336121	Copper and copper-base alloy castings.....	.....	..do.....	781	474
	361411	Fractional horsepower electric motors.....	.....	Number.....	24,434	643
	361431	Integral horsepower electric motors and generators.....	.....	..do.....	6,962	789
	331231	Stainless steel mill shapes and forms.....	.....	Short ton..	1,431	1,630
3583		SEWING MACHINES:				
		All establishments in industry.....	112,029	.....	...	...
		Establishments with 90 percent or more industry specialization.....	51,777	.....	...	...
	331211	Carbon steel bars and bar shapes.....	.....	Short ton..	1,332	359
	331212	Carbon steel sheet and strip.....	.....	..do.....	458	80
	332011	Iron castings (gray and malleable).....	.....	..do.....	2,003	1,381
3584		VACUUM CLEANERS:				
		All establishments in industry.....	157,907	.....	...	...
		Establishments with 90 percent or more industry specialization.....	80,967	.....	...	...
	331212	Carbon steel sheet and strip.....	.....	Short ton..	6,591	1,171
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	.....	1,000 lbs...	1,634	679
	336111	Aluminum and aluminum-base alloy castings.....	.....	..do.....	6,096	4,460
	361411	Fractional horsepower electric motors.....	.....	Number.....	481,398	2,883
	363111	Copper and copper-base alloy insulated wire and cable.....	.....	1,000 lbs. (metal content)...	911	752
3585		REFRIGERATION MACHINERY⁴:				
		Establishments with 90 percent or more product specialization:				
35852		Home and farm freezers.....	45,374	.....	...	...
	331212	Carbon steel sheet and strip.....	.....	Short ton..	20,524	2,651
35853		Unitary commercial refrigeration equipment.....	73,394	.....	...	...
	331211	Carbon steel bars and bar shapes.....	.....	Short ton..	758	121
	331212	Carbon steel sheet and strip.....	.....	..do.....	18,407	2,668
	331213	Carbon steel plates.....	.....	..do.....	48	6
	331215	Carbon steel structural shapes.....	.....	..do.....	158	27
	331217	Carbon steel wire and wire products.....	.....	..do.....	281	83
	331219	All other carbon steel mill shapes and forms.....	.....	..do.....	299	76
	331231	Stainless steel mill shapes and forms.....	.....	..do.....	1,907	2,308
35857		Other refrigeration and air-conditioning.....	193,709	.....	...	...
	331211	Carbon steel bars and bar shapes.....	.....	Short ton..	2,080	372
	331212	Carbon steel sheet and strip.....	.....	..do.....	45,799	7,284
	331213	Carbon steel plates.....	.....	..do.....	4,579	554
	331215	Carbon steel structural shapes.....	.....	..do.....	647	104
	331217	Carbon steel wire and wire products.....	.....	..do.....	280	104
	331219	All other carbon steel mill shapes and forms.....	.....	..do.....	9,822	2,647
	332011	Iron castings (gray and malleable).....	.....	..do.....	743	248
	332311	Steel castings.....	.....	..do.....	257	122
	331231	Stainless steel mill shapes and forms.....	.....	..do.....	86	104
3611		WIRING DEVICES AND SUPPLIES:				
		All establishments in industry.....	584,366	.....	...	...
		Establishments with 90 percent or more industry specialization.....	300,176	.....	...	...
	331211	Carbon steel bars and bar shapes.....	.....	Short ton..	36,977	4,329
	331212	Carbon steel sheet and strip.....	.....	..do.....	119,142	15,037
	331213	Carbon steel plates.....	.....	..do.....	203	35
	331215	Carbon steel structural shapes.....	.....	..do.....	175	24
	331217	Carbon steel wire and wire products.....	.....	..do.....	4,713	944
	331219	All other carbon steel mill shapes and forms.....	.....	..do.....	116,572	15,387
	332011	Iron castings (gray and malleable).....	.....	..do.....	9,958	4,338
	333111	Copper and copper-base alloy refinery shapes.....	.....	..do.....	2,578	1,237
	333311	Zinc and zinc-base alloy refinery shapes.....	.....	..do.....	5,090	1,209
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingot, etc.).....	.....	..do.....	2,047	937
	335111	Copper and copper-base alloy bare wire.....	.....	1,000 lbs...	3,824	1,876
	335119	All other copper and copper-base alloy mill shapes and forms.....	.....	..do.....	19,997	10,366
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	.....	..do.....	7,435	3,850
	336111	Aluminum and aluminum-base alloy castings.....	.....	..do.....	2,512	1,397
	336121	Copper and copper-base alloy castings.....	.....	..do.....	3,384	2,530
	363111	Copper and copper-base alloy insulated wire and cable.....	.....	1,000 lbs. (metal content)...	4,777	3,360
	331231	Stainless steel mill shapes and forms.....	.....	Short ton..	228	297

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3611		WIRING DEVICES AND SUPPLIES--Continued				
36111		Establishments with 90 percent or more product specialization:				
		Current-carrying wiring devices.....	127,457	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton..	4,703	845
	331217	Carbon steel wire and wire products.....	...	..do.....	897	214
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	51	15
	333111	Copper and copper-base alloy refinery shapes.....	...	..do.....	514	268
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs..	2,473	1,135
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	13,270	6,731
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	2,687	1,512
		(rolled, drawn, and extruded).....	...	..do.....	653	359
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs.		
				(metal content)...	4,270	3,044
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton..	223	106
	941021	Copper and copper-base alloy scrap (purchased scrap only)..	...	.....	...	...
36112		Non-current carrying wiring devices and supplies.....	100,735	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	2,692	412
	331212	Carbon steel sheet and strip.....	...	..do.....	103,379	12,686
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	113,993	14,932
	332011	Iron castings (gray and malleable).....	...	..do.....	6,801	2,824
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	2,359	603
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	1,093	518
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	881	435
		(rolled, drawn, and extruded).....	...	..do.....	2,022	976
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	167	134
	336121	Copper and copper-base alloy castings.....	...	.....	...	...
36113		Pole-line and transmission hardware.....	35,507	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	32,880	3,581
	331212	Carbon steel sheet and strip.....	...	..do.....	6,068	712
	331215	Carbon steel structural shapes.....	...	..do.....	175	24
	332011	Iron castings (gray and malleable).....	...	..do.....	516	205
	333311	Zinc and zinc-base alloy refinery shapes.....	...	..do.....	2,521	553
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	1,000 lbs..	2,940	1,511
		(rolled, drawn, and extruded).....	...	.....	...	...
3613		ELECTRICAL MEASURING INSTRUMENTS:				
		All establishments in industry.....	359,456	.....	...	...
		Establishments with 90 percent or more industry specialization.	148,233	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	178	41
	331212	Carbon steel sheet and strip.....	...	..do.....	3,275	568
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	33	9
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	2,482	1,218
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	2,479	954
		(rolled, drawn, and extruded).....	...	..do.....	1,141	912
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	191	132
	336121	Copper and copper-base alloy castings.....	...	..do.....	244	276
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
36132		Establishments with 90 percent or more product specialization:				
		Test equipment circuit and motor.....	77,535	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	14	4
	331212	Carbon steel sheet and strip.....	...	..do.....	1,523	224
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	234	120
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	355	212
		(rolled, drawn, and extruded).....	...	..do.....	187	166
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	22	20
	336121	Copper and copper-base alloy castings.....	...	Short ton..	17	25
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
36133		Other electrical measuring instruments.....	11,248	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	36	8
	331212	Carbon steel sheet and strip.....	...	..do.....	89	17
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs..	99	49
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	66	41
		(rolled, drawn, and extruded).....	...	Short ton..	8	7
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
3614		MOTORS AND GENERATORS:				
		All establishments in industry.....	1,389,078	.....	...	...
		Establishments with 90 percent or more industry specialization.	680,421	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton..	11,372	4,306
	331211	Carbon steel bars and bar shapes.....	...	..do.....	31,056	4,670
	331212	Carbon steel sheet and strip.....	...	..do.....	151,034	25,989
	331213	Carbon steel plates.....	...	..do.....	29,018	2,880
	331215	Carbon steel structural shapes.....	...	..do.....	2,999	365
	331217	Carbon steel wire and wire products.....	...	..do.....	540	176
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	4,192	1,390
	332011	Iron castings (gray and malleable).....	...	..do.....	39,735	12,041
	332311	Steel castings.....	...	..do.....	2,619	1,447
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs..	13,017	6,593
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	17,465	8,624
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	7,481	3,485
		(rolled, drawn, and extruded).....	...	..do.....	8,687	4,374
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,675	1,045
	336121	Copper and copper-base alloy castings.....	...	.....	...	...

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3614		MOTORS AND GENERATORS--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	351911	Gasoline and other carburetor engines.....	...	Number.....	14,688	2,894
	351921	Diesel and semi-Diesel engines.....	...	..do.....	1,264	2,431
	361431	Integral horsepower electric motors and generators.....	...	..do.....	8,969	5,302
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	41,883	23,837
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	670	775
36141		Establishments with 90 percent or more product specialization:	112,028			
		Fractional horsepower motors.....	...	Short ton...	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	..do.....	107	73
	331211	Carbon steel bars and bar shapes.....	...	..do.....	4,066	754
	331212	Carbon steel sheet and strip.....	...	..do.....	51,036	7,757
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	171	53
	332011	Iron castings (gray and malleable).....	...	..do.....	2,925	855
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.....	6,527	3,166
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	931	488
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,879	1,484
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	7,331	4,115
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	81	106
36142		Integral horsepower motors and generators, except land transportation.....	42,232			
		Carbon steel bars and bar shapes.....	...	Short ton...	2,303	300
	331211	Carbon steel sheet and strip.....	...	..do.....	15,431	2,942
	332011	Iron castings (gray and malleable).....	...	..do.....	10,302	3,182
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs.....	28	21
	336121	Copper and copper-base alloy castings.....	...	..do.....	117	84
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	4,281	2,358
36143		Prime mover generator sets, except steam or hydraulic.....	25,303			
		Gasoline and other carburetor engines.....	...	Number.....	9,092	1,706
	351921	Diesel and semi-Diesel engines.....	...	..do.....	996	1,731
36144		Motor-generator sets and other rotating equipment.....	46,265			
		Carbon steel bars and bar shapes.....	...	Short ton...	713	127
	331211	Carbon steel sheet and strip.....	...	..do.....	1,583	304
	332011	Iron castings (gray and malleable).....	...	..do.....	181	55
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.....	151	73
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	463	234
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	48	45
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	573	401
36146		Parts, supplies for motors, generators, and sets.....	12,956			
		All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs.....	1,321	695
	336121	Copper and copper-base alloy castings.....	...	..do.....	31	22
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	921	677
3615		TRANSFORMERS:				
		All establishments in industry.....	686,087			
		Establishments with 90 percent or more industry specialization.	514,954			
		Carbon steel bars and bar shapes.....	...	Short ton...	6,631	954
	331211	Carbon steel sheet and strip.....	...	..do.....	75,440	17,761
	331212	Carbon steel plates.....	...	..do.....	35,956	3,792
	331215	Carbon steel structural shapes.....	...	..do.....	10,241	1,228
	332311	Steel castings.....	...	..do.....	289	222
	335111	Copper and copper-base alloy bare wire.....	...	..do.....	40,228	19,267
	336121	Copper and copper-base alloy castings.....	...	..do.....	644	472
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	40,300	23,401
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	144	154
36151		Establishments with 90 percent or more product specialization:	56,793			
		Specialty transformers.....	...	Short ton...	...	...
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	14,149	3,095
	331211	Carbon steel bars and bar shapes.....	...	..do.....	226	51
	331212	Carbon steel sheet and strip.....	...	..do.....	14,152	2,569
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.....	8,686	4,751
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	83	42
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	3,292	2,172
36152		Power and distribution transformers.....	176,440			
		All other alloy steel mill shapes and forms.....	...	Short ton...	18,605	7,141
	331211	Carbon steel bars and bar shapes.....	...	..do.....	2,798	418
	331212	Carbon steel sheet and strip.....	...	..do.....	40,740	11,539
	331213	Carbon steel plates.....	...	..do.....	12,196	1,140
	331215	Carbon steel structural shapes.....	...	..do.....	2,687	354

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3615		TRANSFORMERS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
36152		Power and distribution transformers--Continued				
	332311	Steel castings.....	...	Short ton...	59	39
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	4,893	2,500
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	1,554	830
	336121	Copper and copper-base alloy castings.....	...	..do.....	350	230
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	29,834	16,659
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	114	109
3616		ELECTRICAL CONTROL APPARATUS:				
		All establishments in industry.....	1,096,715	.....	...	...
		Establishments with 90 percent or more industry specialization.	635,451	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	9,107	1,339
	331212	Carbon steel sheet and strip.....	...	..do.....	93,784	12,380
	331213	Carbon steel plates.....	...	..do.....	12,168	1,199
	331215	Carbon steel structural shapes.....	...	..do.....	9,500	1,389
	332311	Steel castings.....	...	..do.....	1,786	1,029
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	2,329	1,169
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	38,108	18,170
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,735	1,293
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,448	1,289
	336121	Copper and copper-base alloy castings.....	...	..do.....	6,318	4,314
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	3,613	2,416
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	262	333
		Establishments with 90 percent or more product specialization:				
36161		Switchgear and switchboard apparatus.....	377,492	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	6,900	900
	331212	Carbon steel sheet and strip.....	...	..do.....	62,027	8,121
	331213	Carbon steel plates.....	...	..do.....	11,925	1,178
	331215	Carbon steel structural shapes.....	...	..do.....	9,200	1,343
	332311	Steel castings.....	...	..do.....	1,441	835
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	1,636	823
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	25,818	12,842
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	2,308	1,083
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,069	905
	336121	Copper and copper-base alloy castings.....	...	..do.....	6,136	4,186
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	2,008	1,330
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	136	163
36162		Industrial electrical control equipment, except railway.....	140,261	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	989	179
	331212	Carbon steel sheet and strip.....	...	..do.....	11,651	1,351
	332311	Steel castings.....	...	..do.....	344	191
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	165	78
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	2,349	1,266
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	90	44
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	310	332
	336121	Copper and copper-base alloy castings.....	...	..do.....	122	84
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	714	527
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	106	141
36163		Fuses and fuse equipment, under 2,300 volts.....	15,838	.....	...	...
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	4,208	1,515
3617		ELECTRICAL WELDING APPARATUS:				
		All establishments in industry.....	168,846	.....	...	...
		Establishments with 90 percent or more industry specialization.	123,623	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	3,346	706
	331212	Carbon steel sheet and strip.....	...	..do.....	7,952	1,390
	331213	Carbon steel plates.....	...	..do.....	5,098	689
	331215	Carbon steel structural shapes.....	...	..do.....	2,303	453
	331217	Carbon steel wire and wire products.....	...	..do.....	139,418	17,594
	332311	Steel castings.....	...	..do.....	451	201
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	1,111	619
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	2,380	1,277
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,398	1,328
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	2,761	1,728
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	5,610	7,821
		Establishments with 90 percent or more product specialization:				
36171		Arc welding machines and equipment, except electrodes.....	10,669	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	386	65
	331212	Carbon steel sheet and strip.....	...	..do.....	940	145
	331215	Carbon steel structural shapes.....	...	..do.....	140	24

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3617		ELECTRICAL WELDING APPARATUS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
36171		Arc welding machines and equipment, except electrodes--Continued				
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs. (metal content)...	229	118
	363111	Copper and copper base alloy insulated wire and cable.....	...	...	929	524
36172		Arc welding electrodes, metal.....	39,332	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	77,836	10,187
	331231	Stainless steel mill shapes and forms.....	...	..do.....	5,015	6,810
36173		Resistance welders, components, and electrodes.....	33,533	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,970	511
	331212	Carbon steel sheet and strip.....	...	..do.....	1,301	217
	331213	Carbon steel plates.....	...	..do.....	4,111	542
	331215	Carbon steel structural shapes.....	...	..do.....	2,146	356
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	86	23
	332311	Steel castings.....	...	..do.....	294	160
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.	471	305
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	123	692
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,193	1,196
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	177	121
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	16	18
3619		ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.:				
		All establishments in industry.....	183,250	.....	...	...
		Establishments with 90 percent or more industry specialization.	102,924	.....	...	...
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.	754	412
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	1,518	924
	336121	Copper and copper-base alloy castings.....	...	..do.....	68	48
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	2,939	2,369
36191		Establishments with 90 percent or more product specialization: Hi-frequency induction and die-electric heating apparatus....	4,712	.....	...	...
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	74	51
36193		Other electrical equipment for industrial use.....	67,157	.....	...	...
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.	692	381
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	1,307	806
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	2,776	2,233
3621		ELECTRICAL APPLIANCES:				
		All establishments in industry.....	795,304	.....	...	...
		Establishments with 90 percent or more industry specialization.	344,250	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	67,731	10,256
	331217	Carbon steel wire and wire products.....	...	..do.....	2,627	1,244
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,585	472
	333411	Aluminum and aluminum-base alloy refinery shapes (pig, ingots, etc.).....	...	..do.....	3,614	1,667
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.	2,199	1,134
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	2,075	1,134
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	6,485	3,321
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	2,286	1,407
	336121	Copper and copper-base alloy castings.....	...	..do.....	41	24
	361411	Fractional horsepower electric motors.....	...	Number.....	753,405	2,964
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	2,744	2,112
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	3,201	2,469
36212		Establishments with 90 percent or more product specialization: Household water heaters.....	12,797	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	9,688	1,253
36213		Small household electrical appliances, except fans.....	155,701	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	579	138
	331212	Carbon steel sheet and strip.....	...	..do.....	11,855	2,461
	331217	Carbon steel wire and wire products.....	...	..do.....	120	31
	332311	Steel castings.....	...	..do.....	125	28
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs.	445	273
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	985	571
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	4,490	2,149
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,638	963
	361411	Fractional horsepower electric motors.....	...	Number.....	114,125	591
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	1,376	943
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	2,369	1,788

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3621		ELECTRICAL APPLIANCES--Continued				
		Establishments with 90 percent or more product specialization--Continued				
36216		Electric appliance parts and accessories.....	52,178	.....	...	...
	331217	Carbon steel wire and wire products.....	...	Short ton...	1,136	824
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	290	169
3631		INSULATED WIRE AND CABLE:				
		All establishments in industry.....	323,011	.....	...	...
		Establishments with 90 percent or more industry specialization.	282,333	.....	...	...
	086111	Natural rubber.....	...	Long ton...	1,258	775
	282410	Synthetic rubber.....	...	..do.....	6,907	4,937
		Establishments with 90 percent or more product specialization:				
36312		Other insulated wire and cable.....	116,550	.....	...	...
	086111	Natural rubber.....	...	Long ton...	169	92
	282410	Synthetic rubber.....	...	..do.....	3,363	2,440
3641		ENGINE ELECTRICAL EQUIPMENT:				
		All establishments in industry.....	587,124	.....	...	...
		Establishments with 90 percent or more industry specialization.	146,807	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	4,594	811
	331217	Carbon steel wire and wire products.....	...	..do.....	324	97
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	692	346
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	4,253	1,663
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	88	74
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	441	263
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	28,153	11,492
		Establishments with 90 percent or more product specialization:				
36412		Other electrical equipment for internal combustion engines...	119,350	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	4,344	768
	331217	Carbon steel wire and wire products.....	...	..do.....	324	97
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	641	321
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	4,222	1,648
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	88	74
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	440	262
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	3,717	1,836
3661		RADIOS AND RELATED PRODUCTS:				
		All establishments in industry.....	4,327,538	.....	...	...
		Establishments with 90 percent or more industry specialization.	2,918,339	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	2,052	814
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	15,956	5,253
	331211	Carbon steel bars and bar shapes.....	...	..do.....	8,275	1,563
	331212	Carbon steel sheet and strip.....	...	..do.....	48,000	8,114
	331217	Carbon steel wire and wire products.....	...	..do.....	5,880	2,459
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	15,460	4,824
	332311	Steel castings.....	...	..do.....	2,682	1,449
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	11,549	6,466
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	17,302	9,006
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	20,238	12,289
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	11,673	5,662
	336121	Copper and copper-base alloy castings.....	...	..do.....	1,716	1,241
	361411	Fractional horsepower electric motors.....	...	Number.....	2,667,766	18,235
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	24,774	18,141
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,421	1,721
		Establishments with 90 percent or more product specialization:				
36612		Household radios, phonographs, and radio-phonographs.....	146,707	.....	...	...
	331212	Carbon steel sheet and strip.....	...	Short ton...	5,655	784
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	48	21
	361411	Fractional horsepower electric motors.....	...	Number.....	917,098	1,836
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	287	279
36613		TV receivers, including TV combinations.....	522,130	.....	...	...
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	.....	229	189
36614		Commercial radio, navigation, and broadcast equipment.....	578,004	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	223	144
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	307	104
	331211	Carbon steel bars and bar shapes.....	...	..do.....	684	131
	331212	Carbon steel sheet and strip.....	...	..do.....	2,604	381
	331217	Carbon steel wire and wire products.....	...	..do.....	26	8
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	310	69
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	1,105	606

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3661		RADIO AND RELATED PRODUCTS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
36614		Commercial radio, navigation, and broadcast equipment--Continued				
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	5,470	3,248
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,488	1,506
	336121	Copper and copper-base alloy castings.....	...	..do.....	538	384
	361411	Fractional horsepower electric motors.....	...	Number.....	240,970	6,650
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	3,503	2,568
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	565	662
36615		Electronic type components for communications.....	610,270	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	12,880	4,462
	331211	Carbon steel bars and bar shapes.....	...	..do.....	6,203	1,112
	331212	Carbon steel sheet and strip.....	...	..do.....	19,084	3,656
	331217	Carbon steel wire and wire products.....	...	..do.....	4,279	2,044
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	13,860	4,436
	332311	Steel castings.....	...	..do.....	966	854
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	6,237	3,659
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	13,087	6,629
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	9,976	5,986
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	6,477	2,496
	336121	Copper and copper-base alloy castings.....	...	..do.....	778	535
	361411	Fractional horsepower electric motors.....	...	Number.....	15,839	243
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	16,432	11,886
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	590	690
36617		Other radio, TV, and electronic detection apparatus.....	68,753	.....	...	...
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	612	404
3662		ELECTRONIC TUBES:				
		All establishments in industry.....	709,183	.....	...	...
		Establishments with 90 percent or more industry specialization.	644,179	.....	...	...
	335911	Nickel and nickel-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	2,492	4,350
		Establishments with 90 percent or more product specialization:				
36624		Transmitting and industrial type tubes.....	97,285	.....	...	...
	335911	Nickel and nickel-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	1,480	1,444
3669		COMMUNICATION EQUIPMENT:				
		All establishments in industry.....	100,194	.....	...	...
		Establishments with 90 percent or more industry specialization.	47,198	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	389	56
	331212	Carbon steel sheet and strip.....	...	..do.....	1,462	278
	332311	Steel castings.....	...	..do.....	130	64
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	907	436
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	26	13
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	449	387
	336121	Copper and copper-base alloy castings.....	...	..do.....	45	36
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	629	757
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	22	27
		Establishments with 90 percent or more product specialization:				
36693		Other signal and alarm systems, electric.....	21,948	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	52	10
	331212	Carbon steel sheet and strip.....	...	..do.....	471	70
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	567	263
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	24	11
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	251	225
	336121	Copper and copper-base alloy castings.....	...	..do.....	32	27
				1,000 lbs. (metal content)...		
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	258	303
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	9	11
3691		STORAGE BATTERIES:				
		All establishments in industry.....	341,374	.....	...	...
		Establishments with 90 percent or more industry specialization.	340,566	.....	...	...
	285271	Litharge.....	...	Short ton...	95,991	28,936
	333213	Refined unalloyed lead.....	...	..do.....	89,685	25,050
	335971	Antimonial lead.....	...	..do.....	170,960	51,676
		Establishments with 90 percent or more product specialization:				
36911		Storage batteries, SLI type.....	230,990	.....	...	...
	285271	Litharge.....	...	Short ton...	81,503	24,613
	335971	Antimonial lead.....	...	..do.....	141,024	42,385
36912		Storage batteries, except SLI type.....	34,182	.....	...	...
	335971	Antimonial lead.....	...	Short ton...	5,316	1,651

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3713		TRUCK AND BUS BODIES:				
		All establishments in industry.....	232,514	.....	...	...
		Establishments with 90 percent or more industry specialization.....	142,317	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	496	157
	331225	All other alloy steel mill shapes and forms.....	...	do.....	480	112
	331211	Carbon steel bars and bar shapes.....	...	do.....	14,617	2,499
	331212	Carbon steel sheet and strip.....	...	do.....	62,142	8,356
	331213	Carbon steel plates.....	...	do.....	5,126	788
	331215	Carbon steel structural shapes.....	...	do.....	4,885	732
	331217	Carbon steel wire and wire products.....	...	do.....	163	32
	331219	All other carbon steel mill shapes and forms.....	...	do.....	2,608	482
	332011	Iron castings (gray and malleable).....	...	do.....	128	39
	332311	Steel castings.....	...	do.....	361	185
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs. (metal content)...	4,025	1,927
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	79	55
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	123	92
	331231	Stainless steel mill shapes and forms.....	...	do.....	160	174
37131		Establishments with 90 percent or more product specialization:				
		Bodies, truck and bus, for sale separately.....	99,416	.....	...	...
	331221	Alloy steel (except stainless) bar and bar shapes.....	...	Short ton...	496	157
	331225	All other alloy steel mill shapes and forms.....	...	do.....	480	112
	331211	Carbon steel bars and bar shapes.....	...	do.....	12,113	2,053
	331212	Carbon steel sheet and strip.....	...	do.....	45,853	6,212
	331213	Carbon steel plates.....	...	do.....	4,224	621
	331215	Carbon steel structural shapes.....	...	do.....	4,367	644
	331217	Carbon steel wire and wire products.....	...	do.....	137	26
	331219	All other carbon steel mill shapes and forms.....	...	do.....	2,527	469
	332011	Iron castings (gray and malleable).....	...	do.....	64	21
	332311	Steel castings.....	...	do.....	309	158
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs. (metal content)...	3,785	1,776
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	26	16
	331231	Stainless steel mill shapes and forms.....	...	do.....	120	114
37132		Vehicles, except passenger cars (purchased chassis).....	22,742	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	1,548	289
	331212	Carbon steel sheet and strip.....	...	do.....	5,822	854
	331213	Carbon steel plates.....	...	do.....	496	104
	331215	Carbon steel structural shapes.....	...	do.....	473	80
	332011	Iron castings (gray and malleable).....	...	do.....	64	18
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs. (metal content)...	196	132
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	42	28
	336121	Copper and copper-base alloy castings.....	...	do.....	65	57
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	14	28
3715		TRUCK TRAILERS:				
		All establishments in industry.....	305,510	.....	...	...
		Establishments with 90 percent or more industry specialization.....	153,281	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	5,624	1,001
	331211	Carbon steel bars and bar shapes.....	...	do.....	3,215	436
	331212	Carbon steel sheet and strip.....	...	do.....	20,322	2,837
	331213	Carbon steel plates.....	...	do.....	10,544	1,307
	331215	Carbon steel structural shapes.....	...	do.....	8,463	1,124
	332011	Iron castings (gray and malleable).....	...	do.....	1,143	405
	332311	Steel castings.....	...	do.....	4,048	2,209
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs. (metal content)...	23,694	11,846
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	153	109
	331231	Stainless steel mill shapes and forms.....	...	do.....	86	119
3721		AIRCRAFT:				
		All establishments in industry.....	6,627,147	.....	...	...
		Establishments with 90 percent or more industry specialization.....	3,895,920	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	5,465	2,476
	331225	All other alloy steel mill shapes and forms.....	...	do.....	2,281	1,416
	331211	Carbon steel bars and bar shapes.....	...	do.....	8,358	2,343
	331212	Carbon steel sheet and strip.....	...	do.....	5,232	1,690
	331213	Carbon steel plates.....	...	do.....	4,931	851
	331215	Carbon steel structural shapes.....	...	do.....	3,654	680
	331217	Carbon steel wire and wire products.....	...	do.....	1,730	543
	331219	All other carbon steel mill shapes and forms.....	...	do.....	3,243	1,069
	332311	Steel castings.....	...	do.....	796	1,085
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs. (metal content)...	1,166	858
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	do.....	747	411
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	do.....	91,287	71,502

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3721		AIRCRAFT--Continued				
		Establishments with 90 percent or more industry specialization--Continued				
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	9,363	10,265
	336121	Copper and copper-base alloy castings.....	...	do.....	281	230
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	3,112	4,424
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	3,958	5,737
3722		AIRCRAFT ENGINES:				
		All establishments in industry.....	3,188,950	.....	...	...
		Establishments with 90 percent or more industry specialization.	2,396,346	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	10,285	4,603
	331225	All other alloy steel mill shapes and forms.....	...	do.....	5,514	4,528
	331211	Carbon steel bars and bar shapes.....	...	do.....	2,538	530
	331212	Carbon steel sheet and strip.....	...	do.....	1,723	436
	331213	Carbon steel plates.....	...	do.....	1,549	214
	331219	All other carbon steel mill shapes and forms.....	...	do.....	894	183
	332311	Steel castings.....	...	do.....	7,900	10,895
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	51	26
	335119	All other copper and copper-base alloy mill shapes and forms	...	do.....	469	281
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	do.....	7,035	4,679
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	9,936	9,339
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	14,810	23,600
		Establishments with 90 percent or more product specialization:				
37222		Aircraft engine parts.....	309,808	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	3,523	1,457
	331225	All other alloy steel mill shapes and forms.....	...	do.....	481	268
	331211	Carbon steel bars and bar shapes.....	...	do.....	1,091	266
	331212	Carbon steel sheet and strip.....	...	do.....	1,248	304
	331219	All other carbon steel mill shapes and forms.....	...	do.....	213	58
	332311	Steel castings.....	...	do.....	5,000	7,665
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	30	15
	335119	All other copper and copper-base alloy mill shapes and forms	...	do.....	387	218
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	do.....	2,710	1,994
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	3,537	3,175
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	8,058	10,546
3729		AIRCRAFT EQUIPMENT, N.E.C.:				
		All establishments in industry.....	2,342,536	.....	...	...
		Establishments with 90 percent or more industry specialization.	1,328,259	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	9,212	3,870
	331225	All other alloy steel mill shapes and forms.....	...	do.....	41,388	18,466
	331211	Carbon steel bars and bar shapes.....	...	do.....	5,198	1,186
	331212	Carbon steel sheet and strip.....	...	do.....	6,958	1,298
	331213	Carbon steel plates.....	...	do.....	1,292	207
	331215	Carbon steel structural shapes.....	...	do.....	475	93
	331217	Carbon steel wire and wire products.....	...	do.....	968	126
	331219	All other carbon steel mill shapes and forms.....	...	do.....	3,398	1,323
	332311	Steel castings.....	...	do.....	3,780	3,227
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	630	315
	335119	All other copper and copper-base alloy mill shapes and forms	...	do.....	1,607	943
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	do.....	55,253	31,584
	336111	Aluminum and aluminum-base alloy castings.....	...	do.....	13,232	12,731
	336121	Copper and copper-base alloy castings.....	...	do.....	671	685
	361411	Fractional horsepower electric motors.....	...	Number.....	56,837	2,794
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	1,152	859
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	3,182	4,410
3731		SHIP BUILDING AND REPAIRING:				
		All establishments in industry.....	1,077,889	.....	...	...
		Establishments with 90 percent or more industry specialization.	690,957	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	130	71
	331225	All other alloy steel mill shapes and forms.....	...	do.....	952	263
	331211	Carbon steel bars and bar shapes.....	...	do.....	10,429	2,380
	331212	Carbon steel sheet and strip.....	...	do.....	16,567	2,120
	331213	Carbon steel plates.....	...	do.....	176,187	19,116
	331215	Carbon steel structural shapes.....	...	do.....	57,478	6,617
	331217	Carbon steel wire and wire products.....	...	do.....	1,104	384
	331219	All other carbon steel mill shapes and forms.....	...	do.....	8,714	1,800
	332311	Steel castings.....	...	do.....	2,746	1,564
	333111	Copper and copper-base alloy refinery shapes.....	...	1,000 lbs...	757	419
	336121	Copper and copper-base alloy castings.....	...	do.....	1,965	824
	351921	Diesel and semi-Diesel engines.....	...	Number.....	105	1,556
	361431	Integral horsepower electric motors and generators.....	...	do.....	910	1,738
	363111	Copper and copper-base alloy insulated wire and cable.....	...	1,000 lbs. (metal content)...	2,882	2,025
	941021	Copper and copper-base alloy scrap.....	...	1,000 lbs...	756	314
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	767	944

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3732		BOAT BUILDING AND REPAIRING:				
		All establishments in industry.....	154,369	.....	...	...
		Establishments with 90 percent or more industry specialization.....	122,302	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	356	55
	331212	Carbon steel sheet and strip.....	...	..do.....	599	95
	351911	Gasoline and other carburetor engines.....	...	Number.....	18,404	3,614
	351921	Diesel and semi-Diesel engines.....	...	..do.....	121	482
		Establishments with 90 percent or more product specialization:				
37323		Boats, nonmilitary.....	65,423	.....	...	...
	331213	Carbon steel plates.....	...	Short ton..	122	16
	351911	Gasoline and other carburetor engines.....	...	Number.....	16,909	3,318
	351921	Diesel and semi-Diesel engines.....	...	..do.....	94	370
37324		Repair of nonmilitary boats.....	20,909	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	150	25
	331213	Carbon steel plates.....	...	..do.....	452	69
	331215	Carbon steel structural shapes.....	...	..do.....	238	51
	332311	Steel castings.....	...	..do.....	18	24
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	23	23
	351911	Gasoline and other carburetor engines.....	...	Number.....	378	74
3741		LOCOMOTIVES AND PARTS:				
		All establishments in industry.....	428,281	.....	...	...
		Establishments with 90 percent or more industry specialization.....	306,163	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	9,441	982
	331213	Carbon steel plates.....	...	..do.....	53,471	5,358
	331215	Carbon steel structural shapes.....	...	..do.....	21,314	2,250
	361431	Integral horsepower electric motors and generators.....	...	Number.....	10,890	15,259
3742		RAILROAD AND STREET CARS:				
		All establishments in industry.....	495,767	.....	...	...
		Establishments with 90 percent or more industry specialization.....	247,074	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton..	1,836	274
	331211	Carbon steel bars and bar shapes.....	...	..do.....	29,059	3,647
	331212	Carbon steel sheet and strip.....	...	..do.....	65,348	7,292
	331213	Carbon steel plates.....	...	..do.....	117,111	12,437
	331215	Carbon steel structural shapes.....	...	..do.....	87,439	9,694
	332011	Iron castings (gray and malleable).....	...	..do.....	16,006	3,837
	332311	Steel castings.....	...	..do.....	60,601	20,428
	336121	Copper and copper-base alloy castings.....	...	1,000 lbs..	646	633
		Establishments with 90 percent or more product specialization:				
37422		Freight train cars, new.....	67,707	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	6,680	756
	331212	Carbon steel sheet and strip.....	...	..do.....	9,625	1,014
	331213	Carbon steel plates.....	...	..do.....	35,435	3,993
	331215	Carbon steel structural shapes.....	...	..do.....	30,034	3,444
37424		Parts and accessories for railroad and streetcars.....	24,154	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	9,724	1,447
	332011	Iron castings (gray and malleable).....	...	..do.....	2,244	760
3751		MOTORCYCLES AND BICYCLES:				
		All establishments in industry.....	95,649	.....	...	...
		Establishments with 90 percent or more industry specialization.....	55,444	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	1,502	248
	331212	Carbon steel sheet and strip.....	...	..do.....	14,324	2,073
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,210	378
		Establishments with 90 percent or more product specialization:				
37512		Bicycles and parts.....	42,626	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton..	1,372	224
	331212	Carbon steel sheet and strip.....	...	..do.....	14,128	2,043
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,189	370
3811		SCIENTIFIC INSTRUMENTS:				
		All establishments in industry.....	580,916	.....	...	...
		Establishments with 90 percent or more industry specialization.....	243,158	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton..	99	39
	331211	Carbon steel bars and bar shapes.....	...	..do.....	323	71
	331212	Carbon steel sheet and strip.....	...	..do.....	1,097	189
	331213	Carbon steel plates.....	...	..do.....	106	18
	331215	Carbon steel structural shapes.....	...	..do.....	126	22
	332311	Steel castings.....	...	..do.....	258	137
	335111	Copper and copper base alloy bare wire.....	...	1,000 lbs..	269	133
	335119	All other copper and copper-base alloy mill shapes and forms.....	...	..do.....	465	242
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	..do.....	765	537
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	1,011	775
	361411	Fractional horsepower electric motors.....	...	1,000 lbs. (metal content)...	153	4,788
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton..	140	105
	331231	Stainless steel mill shapes and forms.....	...	Short ton..	401	555

See footnotes at end of table.

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRIES AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3811		SCIENTIFIC INSTRUMENTS--Continued				
38111		Establishments with 90 percent or more product specialization:				
		Aircraft flight instruments and automatic pilots.....	182,499	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	83	32
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	49	18
	331211	Carbon steel bars and bar shapes.....	...	..do.....	203	46
	331212	Carbon steel sheet and strip.....	...	..do.....	123	35
	331215	Carbon steel structural shapes.....	...	..do.....	75	13
	332311	Steel castings.....	...	..do.....	152	78
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	275	147
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	656	573
		(rolled, drawn, and extruded).....	...	..do.....	599	438
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	103	4,214
	361411	Fractional horsepower electric motors.....	...	1,000 lbs. (metal content)...	94	64
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	279	388
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
38112		Surveying and drafting instruments.....	9,141	.....	...	...
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	60	28
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	37	38
	336121	Copper and copper-base alloy castings.....	...	..do.....	73	49
38113		Laboratory and scientific instruments.....	41,032	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	120	25
	331213	Carbon steel plates.....	...	..do.....	101	15
	332311	Steel castings.....	...	..do.....	106	59
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	81	41
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	130	67
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	66	41
		(rolled, drawn, and extruded).....	...	..do.....	134	106
	336111	Aluminum and aluminum-base alloy castings.....	...	1,000 lbs...	42	374
	361411	Fractional horsepower electric motors.....	...	1,000 lbs. (metal content)...	46	41
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	106	146
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
3821		MECHANICAL MEASURING INSTRUMENTS:				
		All establishments in industry.....	804,257	.....	...	...
		Establishments with 90 percent or more industry specialization.	504,309	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	743	449
	331225	All other alloy steel mill shapes and forms.....	...	..do.....	1,376	671
	331211	Carbon steel bars and bar shapes.....	...	..do.....	11,105	2,200
	331212	Carbon steel sheet and strip.....	...	..do.....	21,155	3,901
	331213	Carbon steel plates.....	...	..do.....	2,220	412
	331215	Carbon steel structural shapes.....	...	..do.....	937	164
	331217	Carbon steel wire and wire products.....	...	..do.....	1,080	270
	331219	All other carbon steel mill shapes and forms	...	..do.....	2,375	706
	332311	Steel castings.....	...	..do.....	2,158	1,141
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	2,543	1,234
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	23,800	11,615
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	1,990	1,079
		(rolled, drawn, and extruded).....	...	..do.....	7,549	5,440
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	15,230	8,514
	336121	Copper and copper-base alloy castings.....	...	Number.....	53,848	579
	361411	Fractional horsepower electric motors.....	...	Short ton...	2,335	2,793
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
38212		Establishments with 90 percent or more product specialization:				
		Integrating meters, nonelectrical type.....	81,941	.....	...	...
	331211	Carbon steel bars and bar shapes.....	...	Short ton...	148	37
	331212	Carbon steel sheet and strip.....	...	..do.....	5,682	1,091
	331217	Carbon steel wire and wire products.....	...	..do.....	83	23
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	625	131
	332311	Steel castings.....	...	..do.....	190	115
	335119	All other copper and copper-base alloy mill shapes and forms	...	1,000 lbs...	5,283	2,185
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	24	13
		(rolled, drawn, and extruded).....	...	..do.....	3,413	2,206
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	10,919	5,661
	336121	Copper and copper-base alloy castings.....	...	Short ton...	111	71
	331231	Stainless steel mill shapes and forms.....	...	.....	...	...
38213		Industrial process instruments.....	147,299	.....	...	...
	331221	Alloy steel (except stainless) bars and bar shapes.....	...	Short ton...	94	57
	331211	Carbon steel bars and bar shapes.....	...	..do.....	7,067	1,452
	331212	Carbon steel sheet and strip.....	...	..do.....	3,657	690
	331213	Carbon steel plates.....	...	..do.....	500	179
	331215	Carbon steel structural shapes.....	...	..do.....	128	24
	331219	All other carbon steel mill shapes and forms.....	...	..do.....	1,159	416
	332311	Steel castings.....	...	..do.....	864	532
	335111	Copper and copper-base alloy bare wire.....	...	1,000 lbs...	348	166
	335119	All other copper and copper-base alloy mill shapes and forms	...	..do.....	1,681	827
	335211	Aluminum and aluminum-base alloy mill shapes and forms	...	..do.....	783	463
		(rolled, drawn, and extruded).....	...	..do.....	1,584	1,146
	336111	Aluminum and aluminum-base alloy castings.....	...	..do.....	468	367
	336121	Copper and copper-base alloy castings.....	...	..do.....	...	...

PRODUCT CLASS SHIPMENTS AND MATERIALS CONSUMED IN 1954, BY ESTABLISHMENTS SPECIALIZING 90 PERCENT OR MORE IN PRIMARY PRODUCTS AND SELECTED INDUSTRY AND SELECTED PRODUCT CLASSES--Continued

Industry or product class code	Material code	Industry, product class, or material	Value of shipments (\$1,000)	Materials consumed		
				Unit of measure	Quantity	Value (\$1,000)
3821		MECHANICAL MEASURING INSTRUMENTS--Continued				
		Establishments with 90 percent or more product specialization--Continued				
38213		Industrial process instruments--Continued				
	361411	Fractional horsepower electric motors.....	...	Number..... 1,000 lbs. (metal content)...	37,390	400
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	51	31
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	827	1,065
38215		Automatic temperature controls.....	178,484	.....	...	...
	331225	All other alloy steel mill shapes and forms.....	...	Short ton...	1,200	596
	331211	Carbon steel bars and bar shapes.....	...	.....do.....	2,417	454
	331212	Carbon steel sheet and strip.....	...	.....do.....	9,722	1,784
	331217	Carbon steel wire and wire products.....	...	.....do.....	40	16
	335119	All other copper and copper base alloy mill shapes and forms	...	1,000 lbs...	11,363	6,215
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	.....do.....	1,039	518
	336111	Aluminum and aluminum-base alloy castings.....	...	.....do.....	1,738	1,251
	336121	Copper and copper-base alloy castings.....	...	.....do..... 1,000 lbs. (metal content)...	2,880	1,843
	363111	Copper and copper-base alloy insulated wire and cable.....	...	Short ton...	369	244
	331231	Stainless steel mill shapes and forms.....	...	Short ton...	1,096	1,245
38216		Other mechanical measuring instruments.....	18,797	.....	...	...
	335211	Aluminum and aluminum-base alloy mill shapes and forms (rolled, drawn, and extruded).....	...	1,000 lbs...	35	20
3861		PHOTOGRAPHIC EQUIPMENT:				
		All establishments in industry.....	867,597	.....	...	...
		Establishments with 90 percent or more industry specialization.	671,291	.....	...	...
	281911	Silver nitrate.....	...	1,000 ounces	16,150	8,553
	361411	Fractional horsepower electric motors.....	...	Number.....	415,237	2,376
		Establishments with 90 percent or more product specialization:				
38611		Still picture equipment.....	56,370	.....	...	...
	361411	Fractional horsepower electric motors.....	...	Number.....	35,690	493
38612		Photocopying and microcopying equipment.....	2,944	.....	...	...
	361411	Fractional horsepower electric motors.....	...	Number.....	7,000	28
38617		Sensitized paper and cloth except silver halide.....	24,207	.....	...	...
	281911	Silver nitrate.....	...	1,000 ounces	85	46

¹These plants consumed additional sulfur-bearing materials (e.g., pyrites and sludge, the cost of which total \$1.4 million).

²The bases of the listed chemical materials consumed by this industry are shown in the appendix.

³Sulfuric acid produced and consumed in the same establishment is not shown here but is a substantial part of the H₂SO₄ used in this industry.

⁴Omitted because of substantial duplication in value of shipments and cost of materials. Specialization and coverage ratios are not meaningful because of such duplication.

⁵Includes materials for S.I.C. Industries: Heating and Cooking Equipment, N.E.C., 3439, and Oil Burners, Domestic and Industrial, 3432.

APPENDIX

BASIS FOR MATERIALS LISTED IN MAJOR GROUP 28 - CHEMICALS AND PRODUCTS

Code	Material description	Basis
147411	Sulfate of potash.....	48% K ₂ O
261115	Purchased (market) wood pulp.....	Air dry
281111	Sulfuric acid.....	100% H ₂ SO ₄
281135	Spent sulfuric acid used in the manufacture of superphosphate.....	100% H ₂ SO ₄
281151	Sulfuric acid sludge (decomposition acid).....	100% H ₂ SO ₄
281211	Chlorine.....	100% Cl ₂
281221	Sodium hydroxide (caustic soda).....	100% NaOH
281231	Sodium carbonate (soda ash).....	98-100% Na ₂ CO ₃
281931	Ammonia, synthetic, anhydrous.....	100% NH ₃
281935	Ammonium nitrate.....	100% NH ₄ NO ₃
281951	Tetrasodium pyrophosphate.....	100% Na ₄ P ₂ O ₇
281955	Sodium tripolyphosphate.....	100% Na ₅ P ₃ O ₁₀
281961	Nitrate of soda.....	100% NaNO ₃
281965	Sulfate of ammonia.....	100% (NH ₄) ₂ SO ₄
281975	Calcium cyanamide.....	100% CaCN ₂
281991	Phosphoric acid transferred or purchased and used in the manufacture of superphosphate.....	50% H ₃ PO ₄
282211	Aniline.....	100%
282221	Chlorobenzene.....	100%
282241	Nitrobenzene.....	100%
282251	Phenol.....	100%
282261	Phthalic anhydride.....	100%
282271	Styrene.....	100%
282935	Carbon disulfide.....	100% CS ₂
282937	Cellulose acetate.....	100%
282945	Ethylene glycol.....	100%
282951	Formaldehyde.....	37% HCHO
282955	Maleic anhydride.....	100%
282965	Urea.....	100%
284111	Glycerine.....	100%
284211	Bulk surface active agents, primarily for detergent purposes.....	Active weight
287121	Superphosphate: transferred from other plants or purchased: Normal (22% A.P.A. and less).....	100% A.P.A.
287131	Concentrated (40% A.P.A. and over).....	100% A.P.A.
287151	Concentrated transferred or purchased and used in the manufacture of normal superphosphate.....	100% A.P.A.
293231	Benzol (Benzene).....	100% C ₆ H ₆







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Materials consumed by T 21065
specialized establishment UN3b
in selected industries. 1954

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