

Chapter I—FOOD AND KINDRED PRODUCTS

MEAT PRODUCTS

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947						1939	
	Net shipments		Gross shipments and interplant transfers		Purchases and interplant receipts		Production ¹	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Fresh beef, total ²	(M lbs.)		(M lbs.)		(M lbs.)		(M lbs.)	
Carcass.....	7,569,143	\$2,645,771	8,635,155	\$2,971,372	1,066,012	\$325,601	n.a.	n.a.
Variety meats.....	6,401,784	2,263,961	7,377,335	2,571,657	975,551	307,696	5,462,233	\$762,725
Fresh beef, not specified by kind.....	373,286	93,675	458,708	110,013	85,422	16,338	n.a.	n.a.
	794,073	288,135	799,112	289,702	5,039	1,567		
Fresh veal, total ²	1,014,701	341,568	1,118,199	373,498	103,498	31,930	n.a.	n.a.
Carcass.....	842,236	277,986	939,108	307,666	96,872	29,680	672,503	97,743
Variety meats.....	53,828	20,102	59,829	22,030	6,001	1,928	n.a.	n.a.
Fresh veal, not specified by kind.....	118,637	43,480	119,262	43,802	625	322	n.a.	n.a.
Fresh lamb and mutton, total ²	748,932	284,057	811,542	306,654	62,610	22,597	n.a.	n.a.
Carcass.....	687,808	265,923	747,335	287,648	59,527	21,725	780,423	126,313
Variety meats.....	34,889	6,831	37,921	7,687	3,032	856	n.a.	n.a.
Fresh lamb and mutton, not specified by kind.....	26,235	11,303	26,286	11,319	51	16	n.a.	n.a.
Fresh pork, total ²	3,066,018	1,168,541	4,356,513	1,630,150	1,290,495	461,609	n.a.	n.a.
Carcass.....	2,498,302	988,738	3,681,300	1,420,536	1,182,998	431,798	n.a.	n.a.
Variety meats.....	190,996	31,233	285,225	56,910	94,229	25,677	n.a.	n.a.
Fresh pork, not specified by kind.....	376,720	148,570	389,988	152,704	13,268	4,134	n.a.	n.a.
Lard (including rendered pork fat).....	1,816,201	466,490	2,049,745	522,845	233,544	56,355	1,552,338	107,422
Hides, skins, and pelts, total	(thousands)	\$330,890	(thousands)	\$354,851	(thousands)	\$23,961	(thousands)	\$97,931
Cattle.....	17,972	211,945	18,549	215,305	577	3,360	12,055	63,995
Ca f.....	8,459	57,630	9,048	60,544	589	2,914	5,377	11,887
Sheep and lamb.....	16,099	39,183	20,539	51,249	4,440	12,066	25,645	21,811
Other hides and skins.....	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	352	238
Hides, skins, and pelts, not specified by kind.....		22,132		27,753		5,621	n.a.	n.a.
Other slaughtering plant products, total	(M lbs.)	35,366	(M lbs.)	44,364	(M lbs.)	8,998	(M lbs.)	n.a.
Other meat (goat, horse, etc.).....	125,704	15,789	156,068	18,876	30,364	3,087	18,762	1,284
Pulled wool ³	22,019	17,234	30,460	22,889	8,441	5,655	37,225	16,737
Animal products for medicinal use.....		2,343		2,599		256	n.a.	n.a.
Slaughtering plant products, not specified by kind.....		4,198,248		4,307,856		109,608		52,122
Pork, processed and cured, total	2,828,017	1,472,875	3,607,657	1,814,673	779,640	341,798	n.a.	n.a.
Sweet pickled and dry cured.....	148,993	62,148	644,310	279,680	495,317	217,532	n.a.	n.a.
Dry salt.....	354,730	99,459	424,961	118,960	70,231	19,501	n.a.	n.a.
Smoked ham and picnics.....	867,461	461,847	921,164	489,160	53,703	27,313	n.a.	n.a.
Sliced bacon.....	615,869	371,578	662,949	396,367	47,080	24,789	n.a.	n.a.
Other smoked pork products.....	445,890	214,906	477,663	230,310	31,773	15,404	n.a.	n.a.
Cooked, boiled, or ready-to-eat pork.....	274,103	195,065	295,194	208,392	21,091	13,327	220,599	63,297
Processed pork, not specified by kind.....	120,971	67,872	181,416	91,804	60,445	23,932	n.a.	n.a.
Sausage, meat loaves, etc. (except canned) ⁴	2,359,113	961,654	2,525,639	1,022,445	166,526	60,791	1,673,571	273,807
Canned meats ⁵	1,011,352	406,151	1,221,583	480,977	210,231	74,826	341,425	65,770
Miscellaneous cured meats and casings, total		64,163		119,998		55,835		n.a.
Beef, pickled or cured.....	30,608	18,000	62,325	28,974	31,717	10,974	n.a.	n.a.
Beef, dried or dehydrated.....	22,491	17,532	32,266	23,934	9,775	6,402	n.a.	n.a.
Beef, cooked or roasted.....	4,169	2,827	4,291	2,897	122	70	n.a.	n.a.
Other processed beef (smoked tongue, etc.).....	10,309	7,977	10,309	7,977			n.a.	n.a.
Veal, cured.....	4,143	1,588	4,894	1,862	751	274	n.a.	n.a.
Lamb and mutton, cured.....	189	44	1,898	504	1,709	460	n.a.	n.a.
Casings, beef.....	n.a.	2,223	n.a.	8,124	n.a.	5,901	n.a.	2,495
Casings, hog.....	n.a.	11,716	n.a.	27,369	n.a.	15,653	n.a.	7,932
Casings, sheep and lamb.....	n.a.	2,172	n.a.	16,146	n.a.	13,974	n.a.	6,976
Casings, other natural.....	n.a.	84	n.a.	2,211	n.a.	2,127	n.a.	n.a.
Prepared meat products, not specified by kind.....		6,63,718		6,69,809		6,091		2,388
Fresh and processed meats, not specified by kind.....						72,824		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939	
	Net shipments		Production	
	Quantity	Value	Quantity	Value
	(M lbs.)		(M lbs.)	
Chicken and fowl, New York dressed, total	607,327	\$225,200	427,400	\$76,470
Frozen or hard-chilled (box-packed)	471,638	174,490	n.a.	n.a.
Other pack (iced in barrels, etc.)	132,584	49,718	n.a.	n.a.
Pack not specified	3,105	992		
Other poultry, New York dressed, total	172,342	72,833	130,043	26,043
Turkeys, total	162,142	69,356	112,316	23,069
Frozen or hard-chilled	136,482	58,297	n.a.	n.a.
Other pack	23,771	10,282	n.a.	n.a.
Pack not specified	1,889	777		
Ducks, geese, etc.	10,200	3,477	17,727	2,974
Chicken and fowl, eviscerated, total	149,376	79,759		
Frozen or hard-chilled	116,456	62,645	n.a.	n.a.
Other pack	32,920	17,114		
Other poultry, eviscerated, total	58,518	29,811		
Turkeys, total	54,923	28,206		
Frozen or hard-chilled	n.a.	26,231	n.a.	n.a.
Other pack	n.a.	1,975		
Ducks, geese, etc.	3,595	1,605		
Small game and byproducts (fat, feathers, etc.)		1,825		754
Poultry, not specified by kind		11,795		7,483

n.a.—Not available.

¹ 1939 production includes an unknown amount of duplication because of the use of products of some establishments as materials by others. See Sixteenth Census of the United States: 1940, Manufactures 1939, Volume II, part 1, table 9, page 61, for data believed to account for the bulk of this duplication.

² Includes frozen.

³ Figures represent the output of establishments classified in the "Meat packing, wholesale" and "Grease and tallow" industries. Detailed product information was not obtained from establishments primarily engaged in wool pulling (Industry 3999).

⁴ Includes total sales (\$111,763,000) of 338 establishments reporting on a short form which did not call for a breakdown of sales. Purchases of these establishments are not included in the purchases figure.

⁵ For detailed production data, see table 6-B.

⁶ Includes total sales (\$23,376,000) of 127 establishments reporting on a short form which did not call for a breakdown of sales. Purchases of these establishments are not included in the purchases figure.

⁷ Includes eviscerated.

TABLE B.—PRODUCTION OF SELECTED MEAT PRODUCTS, TOTALS FOR THE UNITED STATES: 1947

[Figures in thousands of pounds]

PRODUCT	Quantity produced ¹	PRODUCT	Quantity produced ¹
Fresh beef, total	9,066,288	Sausage, meat loaves, etc. (except canned)—Continued	
Carcass	7,632,028	Other hard dry sausage	29,823
Variety meats	510,384	Other semidry sausage	88,509
Fresh beef, not specified by kind	923,876	Meat loaves	236,475
Fresh veal, total	1,169,829	Jellied goods and other preparations	85,537
Carcass	1,006,229	Sausage and other prepared meats, not specified by kind	387,717
Variety meats	21,517	Canned meats, total	1,088,302
Fresh veal, not specified by kind	142,083	Luncheon meats	332,134
Fresh lamb and mutton, total	788,325	Canned hams	89,171
Carcass	718,312	Vienna sausage	70,430
Variety meats	41,598	Other frankfurters, including sausages in oil	26,001
Fresh lamb and mutton, not specified by kind	28,415	Potted and deviled meats, except deviled ham	43,037
Fresh pork	9,435,891	Deviled ham	10,016
Carcass	8,213,639	Sliced dried beef	19,471
Variety meats	460,514	Liver products	36,212
Fresh pork, not specified by kind	761,738	Meat stew, all types	26,844
Lard (including rendered pork fat)	1,858,587	Spaghetti-meat products, all types	13,996
Sausage, meat loaves, etc. (except canned), total	2,357,931	Tongue, other than pickled	10,796
Fresh pork sausage	247,074	Vinegar pickled products	30,289
Other fresh sausage	92,321	Corned and roast beef	24,600
Frankfurters	534,181	Meat with gravy	35,467
Bologna	405,502	Other canned meat products, except dog and cat food:	
Liver sausage and braunschweiger	185,369	20% or more meat	221,914
Salami, all types	85,423	Less than 20% meat	65,079
		Canned meat, not specified by kind	32,845

¹ Production of establishments reporting detailed statistics. See table 6-A for value of shipments of establishments not reporting detail.

² This figure is about 4 percent higher than that published in the Census "Facts for Industry" series for 1947. The Census of Manufactures included some establishments not reporting in the "Facts for Industry" survey.

DAIRY PRODUCTS

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Production	
		Quantity	Value f.o.b. plant	Quantity	Value
Creamery butter.....	Pound.....	1,329,457	\$932,726	1,773,083	\$443,788
Natural cheese, total			455,494		107,015
Cottage, pot, and bakers' cheese ¹	Pound.....	389,486	60,368	144,701	10,265
Other natural cheese (cheddar, colby, brick, cream, foreign types, etc.).....	do.....	² 1,014,467	² 395,126	695,594	96,750
Dried products.....	do.....	1,140,240	153,653	551,848	29,751
Canned milk.....	do.....	3,375,970	427,939	2,215,586	126,149
Bulk evaporated and condensed products ³	do.....	2,279,949	157,521	658,579	23,846
Ice cream and ice milk mix (liquid equivalent).....	Gallon.....	81,550	115,156	⁴ 40,612	⁴ 28,114
Ice cream and ices, total			802,002		276,009
Ice cream and other frozen dairy foods (sherbets, frappes, custards, etc.).....	Gallon.....	588,858	792,063	} ⁵ 302,338	} 276,009
Water ices.....	do.....	9,454	9,939		
Malted milk powder.....	Pound.....	40,567	11,602	19,381	3,011
Process cheese, cheese food, cheese spread, and related products.....	do.....	598,564	234,327	⁴ 296,284	⁴ 48,714
Other special dairy products, n.e.c., total			116,487		n.a.
Buttermilk, chocolate milk, eggnog, and other dairy drinks ⁶	Quart.....	453,366	74,420	n.a.	n.a.
Nondairy drinks (orangeade, etc.) ⁶	do.....	31,903	4,862	n.a.	n.a.
Other special dairy products, n.e.c. ⁷			37,205		⁴ 12,367
Milk and cream sold for further processing, total ⁸			620,631		n.a.
Cream (liquid, plastic, and frozen).....	Pound (40% butter fat).....	1,238,494	380,817	n.a.	n.a.
Milk sold to other dairy plants.....	Pound.....	5,178,221	239,814	n.a.	n.a.
Milk and cream sold for consumption, total ⁸			1,225,859		n.a.
Milk.....	Quart.....	6,104,706	1,045,663	n.a.	n.a.
Cream.....	do.....	273,999	189,196	n.a.	n.a.
Other dairy products ⁹			22,107	n.a.	n.a.
Dairy products, not specified by kind.....			¹⁰ 53,418	n.a.	n.a.

n.a.—Not available.

¹ Includes curd shipped to other plants for creaming.

² Does not include natural cheese made into process cheese in the producing establishment. See text for industry.

³ Includes evaporated milk shipped to other plants for canning.

⁴ For 1939, "Other special dairy products, n.e.c." includes the value of dry ice cream mix and cheese spread; these products are included with ice cream mix and process cheese for 1947.

⁵ Partially estimated.

⁶ Represents only part of total sales of these products, since fluid milk plants manufacturing no butter, cheese, concentrated milk products, or ice cream were not canvassed in 1947. See text for industry.

⁷ Principally dry casein, process butter, milk sugar, and malted milk products.

⁸ Includes bulk milk sold to hotels, restaurants, institutions, etc.

⁹ Principally byproduct buttermilk, skim milk, and whey (sold in liquid form).

¹⁰ As an indication of the kinds of products included in this figure, see table 5 for distribution by industry.

CANNING, PRESERVING, AND FREEZING

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939	
		Production ¹		Production ¹	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Canned sea food, total ²	Pound	503,460	\$218,057	403,023	\$60,839
Salmon (excluding Alaska pack)	do	63,842	31,987	34,994	7,341
Sardines, Maine (herring)	do	57,544	27,678	44,872	7,075
Sardines, California (pilchards)	do	74,367	16,538	139,864	9,554
Tuna, solid meat	do	79,575	61,231	65,901	17,837
Tuna, flakes and grated	do	37,894	29,378	9,087	2,243
Mackerel, including jack mackerel	do	78,973	15,019	40,023	2,589
Whiting (silver hake)	do	10,616	1,423	(³)	(³)
Anchovies	do	6,246	1,377	(³)	(³)
Other species of fish	do	14,790	2,965	5,424	773
Fish cakes and loaf	do	12,659	3,271	5,464	756
Roe, caviar, and other fish products	do	3,434	1,844	835	711
Whole and minced clams (drained weight)	do	1,594	1,346	3,117	1,015
Clam chowder, juice, etc	do	34,574	7,304	20,975	2,544
Crabs	do	2,726	2,705	640	260
Oysters (drained weight)	do	5,780	4,304	9,136	2,415
Shrimp (drained weight)	do	7,085	8,192	20,851	5,398
Other sea food	do	11,761	1,495	2,040	328
Cured fish, total			33,392		12,236
Smoked salmon	Pound	9,830	5,546	7,085	2,315
Other smoked fish	do	23,894	8,383	21,080	4,355
Salted and pickled fish, total	do	63,092	16,202	44,684	5,566
Sold for further processing	do	9,338	1,763	n.a.	n.a.
Sold for consumption	do	53,754	14,439	n.a.	n.a.
Cured fish, kind not specified	do		3,261		n.a.
Canned fruits, total	Case ⁴	69,259	351,901	49,501	120,766
Apples	do	2,579	11,603	2,766	4,226
Applesauce, total	do	6,638	17,589	3,312	3,928
No. 303	do	307	672	309	n.a.
No. 2	do	5,358	13,495	2,000	n.a.
No. 10	do	772	2,484	282	n.a.
Miscellaneous tin and glass	do	201	938	721	n.a.
Apricots, total	do	3,442	17,721	3,772	9,409
No. 1 tall	do	516	3,455	n.a.	n.a.
No. 2 1/2	do	1,928	10,043	1,542	n.a.
No. 10	do	756	2,705	1,093	n.a.
Miscellaneous tin and glass	do	242	1,518	n.a.	n.a.
Berries, except cranberries, total	do	1,441	7,831	1,608	4,357
No. 300	do	201	1,002	n.a.	n.a.
No. 2	do	734	3,562	775	n.a.
No. 10	do	352	1,902	521	n.a.
Miscellaneous tin and glass	do	154	1,365	n.a.	n.a.
Cherries, red pitted, total	do	2,616	13,370	3,047	6,179
No. 2	do	1,873	8,922	1,913	n.a.
No. 10	do	682	4,085	969	n.a.
Miscellaneous tin	do	48	251	162	n.a.
Miscellaneous glass	do	13	112	3	n.a.
Cherries, except red pitted and maraschino, total	do	743	5,137	1,551	5,356
No. 1 tall	do	77	655	n.a.	n.a.
No. 2	do	134	736	154	n.a.
No. 2 1/2	do	203	1,465	708	n.a.
No. 10	do	192	1,097	299	n.a.
Miscellaneous tin and glass	do	137	1,184	n.a.	n.a.
Cranberries and cranberry sauce, total	do	4,617	20,461	2,036	4,570
No. 300	do	3,953	14,938	n.a.	n.a.
Miscellaneous tin and glass	do	664	5,523	n.a.	n.a.
Figs, total	do	831	5,352	402	1,171
No. 1 tall	do	157	1,040	n.a.	n.a.
No. 2 1/2	do	346	1,910	75	n.a.
Miscellaneous tin and glass	do	328	2,402	n.a.	n.a.
Grapefruit segments, total	do	4,234	12,376	4,380	6,750
No. 2	do	3,995	11,536	3,605	n.a.
Miscellaneous tin	do	239	840	775	n.a.
Fruit cocktail (including mixed fruits and fruit for salad), total	do	10,169	73,080	4,748	18,998
No. 8Z tall	do	386	1,900	n.a.	n.a.
No. 1 tall	do	3,139	26,928	n.a.	n.a.
No. 2	do	304	1,379	140	n.a.
No. 2 1/2	do	5,210	35,090	1,353	n.a.
No. 10	do	584	3,404	444	n.a.
Miscellaneous tin and glass	do	546	4,381	n.a.	n.a.
Olives, ripe and green ripe, total	do	1,888	15,950	772	3,116
No. 1 tall	do	1,090	10,455	n.a.	n.a.
No. 303	do	245	1,459	4	n.a.
No. 10	do	314	2,317	121	n.a.
Miscellaneous tin	do	202	1,398	n.a.	n.a.
Miscellaneous glass	do	37	321	12	n.a.
Peaches, total	do	20,287	96,399	12,548	31,254
No. 8Z short	do	172	599	n.a.	n.a.
No. 8Z tall	do	293	981	n.a.	n.a.
No. 300	do	544	1,361	n.a.	n.a.
No. 1 tall	do	1,813	10,946	n.a.	n.a.
No. 2	do	293	1,116	286	n.a.
No. 2 1/2	do	14,411	71,190	8,140	n.a.
No. 10	do	2,404	8,136	2,062	n.a.
Miscellaneous tin	do	53	230	n.a.	n.a.
Miscellaneous glass	do	304	1,840	22	n.a.

See footnotes at end of table.

FOOD AND KINDRED PRODUCTS

PRODUCT	Unit of measure	1947		1939	
		Production ¹		Production ¹	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Canned fruits—Continued					
Pears, total	Case ⁴	5,755	\$39,086	5,189	\$15,644
No. 1 tall	do	505	4,069	n.a.	n.a.
No. 2	do	190	881	480	n.a.
No. 2½	do	3,962	27,768	2,681	n.a.
No. 10	do	848	4,739	896	n.a.
Miscellaneous tin and glass	do	250	1,629	n.a.	n.a.
Plums and purple plums, total	do	2,140	8,609	2,989	4,918
No. 2½	do	1,140	4,328	1,312	n.a.
No. 10	do	386	1,296	844	n.a.
Miscellaneous tin and glass	do	614	2,985	833	n.a.
Other fruits, total ⁵	do	1,879	7,337	381	890
No. 2	do	550	2,720	32	n.a.
No. 2½	do	524	1,512	93	n.a.
No. 10	do	284	1,046	83	n.a.
Miscellaneous tin	do	295	788	147	n.a.
Miscellaneous glass	do	226	1,271	26	n.a.
Canned seasonal vegetables, total					
Asparagus, total	do	122,887	375,112	85,531	144,257
No. 8Z tall	do	4,016	24,195	2,791	10,699
No. 1 picnic	do	113	666	n.a.	n.a.
No. 300	do	905	7,342	761	n.a.
No. 2	do	980	3,710	n.a.	n.a.
No. 2½	do	648	4,122	697	n.a.
No. 2 tall	do	899	5,761	n.a.	n.a.
No. 10	do	180	1,105	129	n.a.
Miscellaneous tin and glass	do	291	1,489	n.a.	n.a.
Beans, fresh lima, total	do	2,148	9,283	2,664	4,822
No. 2	do	1,575	6,699	2,055	n.a.
No. 10	do	170	859	172	n.a.
Miscellaneous tin	do	403	1,725	437	n.a.
Beans, green and wax, total	do	12,794	40,714	8,374	13,536
No. 2	do	8,534	26,127	6,499	n.a.
No. 2 tall	do	710	2,674	n.a.	n.a.
No. 2½	do	459	1,499	259	n.a.
No. 10	do	2,694	8,927	872	n.a.
Miscellaneous tin and glass	do	397	1,487	n.a.	n.a.
Beets, total	do	3,405	7,683	2,619	3,629
No. 303 glass	do	576	1,493	n.a.	n.a.
No. 2	do	1,724	3,765	1,178	n.a.
No. 10	do	778	1,725	396	n.a.
Miscellaneous tin and glass	do	327	700	n.a.	n.a.
Carrots, total	do	991	2,166	1,833	2,099
No. 2	do	371	832	659	n.a.
No. 10	do	512	1,115	332	n.a.
Miscellaneous tin and glass	do	108	219	842	n.a.
Corn, cut, total	do	29,348	87,732	16,845	26,306
No. 1 picnic	do	485	1,999	538	n.a.
No. 2 vacuum	do	5,093	15,999	n.a.	n.a.
No. 303	do	2,268	6,579	1,365	n.a.
No. 2	do	17,574	52,501	11,540	n.a.
No. 10	do	1,990	5,749	683	n.a.
Miscellaneous tin and glass	do	1,938	4,905	n.a.	n.a.
Greens, except spinach, total	do	1,014	1,696	467	651
No. 2	do	435	803	349	n.a.
Miscellaneous tin	do	579	893	118	n.a.
Mixed vegetables ⁶	do	3,826	9,649	2,232	3,558
No. 303	do	1,715	3,488	544	n.a.
No. 2	do	1,600	4,588	1,220	n.a.
Miscellaneous tin and glass	do	511	1,573	468	n.a.
Peas, fresh green, total	do	34,899	102,631	17,787	34,355
No. 1 picnic	do	1,270	5,223	1,146	n.a.
No. 303	do	8,704	26,405	3,560	n.a.
No. 2	do	18,335	52,384	11,340	n.a.
No. 10	do	2,512	7,861	1,050	n.a.
Miscellaneous tin and glass	do	4,078	10,778	701	n.a.
Pumpkin and squash, total	do	2,938	6,890	2,374	3,448
No. 2	do	247	520	283	n.a.
No. 2½	do	1,830	4,418	1,540	n.a.
No. 10	do	742	1,666	502	n.a.
Miscellaneous tin	do	119	286	49	n.a.
Spinach, total	do	3,216	7,923	4,160	6,966
No. 2 tall	do	632	1,591	n.a.	n.a.
No. 2	do	1,095	2,412	1,684	n.a.
No. 2½	do	659	1,881	1,133	n.a.
No. 10	do	716	1,715	411	n.a.
Miscellaneous tin and glass	do	114	324	n.a.	n.a.
Tomatoes, total	do	23,263	71,659	23,385	34,188
No. 1 picnic	do	600	2,087	1,526	n.a.
No. 1 tall	do	165	925	n.a.	n.a.
No. 2	do	13,204	34,308	13,484	n.a.
No. 2 tall	do	497	1,954	n.a.	n.a.
No. 2½	do	5,150	20,364	5,056	n.a.
No. 10	do	3,384	11,288	2,662	n.a.
Miscellaneous tin and glass	do	263	733	n.a.	n.a.
Other seasonal vegetables, total ⁷	do	1,029	2,891	n.a.	n.a.
No. 2	do	769	2,077	n.a.	n.a.
Miscellaneous tin and glass	do	260	814	n.a.	n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947		1939	
		Production ¹		Production ¹	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Canned nonseasonal vegetables and specialties, total	Case ⁴	78,102	\$235,657	48,977	\$79,530
Beans, with pork or sauce, including baked, total	do	31,846	90,591	19,459	31,604
No. 1 picnic	do	1,152	4,577	1,175	n.a.
No. 300	do	15,495	37,887	n.a.	n.a.
No. 303	do	1,639	4,136	1,574	n.a.
No. 2	do	8,323	24,078	1,307	n.a.
No. 2 1/2	do	1,625	6,268	2,705	n.a.
No. 10	do	626	2,125	311	n.a.
No. 303 glass	do	900	2,833	n.a.	n.a.
Miscellaneous tin and glass	do	2,086	8,687	n.a.	n.a.
Beans, other dry varieties, except soy, total	do	9,128	25,747	6,371	9,234
No. 1 picnic	do	492	2,731	132	n.a.
No. 300	do	1,374	3,313	n.a.	n.a.
No. 303	do	797	2,232	242	n.a.
No. 2	do	5,409	14,102	3,049	n.a.
No. 10	do	436	1,570	282	n.a.
Miscellaneous tin	do	254	787	n.a.	n.a.
Miscellaneous glass	do	366	1,012	n.a.	n.a.
Hominy, total	do	3,743	7,099	1,912	2,325
No. 2	do	1,774	3,129	388	n.a.
No. 2 1/2	do	1,389	2,986	1,143	n.a.
Miscellaneous tin and glass	do	580	984	381	n.a.
Mushrooms, total	do	1,399	7,911	1,176	2,897
No. 2Z mushroom	do	415	1,175	n.a.	n.a.
No. 4Z mushroom	do	856	4,379	n.a.	n.a.
No. 8Z mushroom	do	67	1,124	n.a.	n.a.
Miscellaneous tin and glass	do	61	1,233	n.a.	n.a.
Pimientos, total	do	1,414	4,611	981	2,245
No. 4Z pimiento	do	965	2,240	n.a.	n.a.
No. 7Z pimiento	do	287	785	n.a.	n.a.
No. 2 1/2	do	70	711	115	n.a.
Miscellaneous tin	do	44	335	n.a.	n.a.
Miscellaneous glass	do	48	540	n.a.	n.a.
Sauerkraut, total	do	4,313	8,705	4,864	6,439
No. 2	do	1,128	2,169	779	n.a.
No. 2 1/2	do	2,716	5,710	3,502	n.a.
No. 10	do	370	635	314	n.a.
Miscellaneous tin and glass	do	99	191	269	n.a.
Spaghetti	do	6,285	21,058	5,173	8,722
Sweet potatoes, total	do	1,237	3,485	264	451
No. 3 vacuum	do	658	1,969	n.a.	n.a.
No. 2 1/2	do	341	1,002	71	n.a.
Miscellaneous tin	do	238	514	n.a.	n.a.
Tomato paste, total	do	9,283	39,229	2,277	6,105
No. 6Z	do	6,390	22,713	n.a.	n.a.
No. 2 1/2	do	106	531	22	n.a.
No. 10	do	2,482	14,126	476	n.a.
Miscellaneous tin	do	305	1,859	n.a.	n.a.
Tomato pulp and puree (for sale as such), total	do	4,252	12,802	3,612	4,835
No. 1 picnic	do	463	1,429	445	n.a.
No. 10	do	2,954	8,938	1,928	n.a.
5 gal.	do	396	1,015	n.a.	n.a.
Miscellaneous tin and glass	do	439	1,420	n.a.	n.a.
Other nonseasonal vegetables and specialties, total ⁵	do	5,202	14,419	2,888	4,673
No. 300	do	1,261	2,996	n.a.	n.a.
No. 2	do	152	552	942	n.a.
No. 10	do	2,756	7,033	102	n.a.
No. 303 glass	do	544	1,766	n.a.	n.a.
Miscellaneous tin and glass	do	489	2,072	n.a.	n.a.
Canned fruit juice, total	do	52,510	109,198	15,513	22,189
Apple juice, total	do	1,759	4,440	337	483
Quart glass	do	1,004	3,037	n.a.	n.a.
Miscellaneous tin	do	446	773	296	n.a.
Miscellaneous glass	do	309	630	n.a.	n.a.
Grape juice, total	do	3,405	18,797	2,960	7,111
5 gal. tin	do	457	1,564	n.a.	n.a.
Pint glass	do	1,510	6,950	n.a.	n.a.
Quart glass	do	1,027	8,893	n.a.	n.a.
Miscellaneous tin and glass	do	411	1,390	n.a.	n.a.
Grapefruit juice, total	do	12,148	20,049	8,993	9,585
No. 2	do	4,721	6,671	4,821	n.a.
No. 3	do	1,298	3,924	n.a.	n.a.
No. 3 cylinder	do	5,689	8,764	n.a.	n.a.
Miscellaneous tin and glass	do	440	690	n.a.	n.a.
Lemon juice, total	do	344	1,207	84	179
Orange juice, total	do	21,010	30,636	1,507	1,923
No. 2	do	10,175	9,045	439	n.a.
No. 3	do	485	1,716	n.a.	n.a.
No. 3 cylinder	do	9,609	18,163	n.a.	n.a.
Miscellaneous tin and glass	do	741	1,712	n.a.	n.a.
Orange and grapefruit juices, blended, total	do	7,975	14,312	n.a.	n.a.
No. 2	do	3,068	5,357	n.a.	n.a.
No. 3	do	311	999	n.a.	n.a.
No. 3 cylinder	do	4,226	7,448	n.a.	n.a.
Miscellaneous tin and glass	do	370	508	n.a.	n.a.

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Production ¹		Production ¹	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Canned fruit juice—Continued					
Prune juice, total	Case ⁴	1,871	\$7,845	178	\$234
Quart glass	do	1,605	7,151	n.a.	n.a.
Miscellaneous tin and glass	do	266	694	n.a.	n.a.
Other fruit and berry juices and nectars, total ⁹	do	3,998	10,912	n.a.	n.a.
No. 211 cylinder	do	1,031	4,183	n.a.	n.a.
No. 2	do	1,723	3,739	n.a.	n.a.
No. 3 cylinder	do	316	859	n.a.	n.a.
Miscellaneous tin and glass	do	928	2,131	n.a.	n.a.
Canned vegetable juice, total	do	18,691	39,147	n.a.	n.a.
Tomato juice, total ¹⁰	do	18,500	38,710	13,754	20,439
No. 6Z	do	281	502	n.a.	n.a.
No. 8Z tall	do	391	911	n.a.	n.a.
No. 1 picnic	do	352	1,200	1,799	n.a.
No. 211 cylinder	do	193	639	n.a.	n.a.
No. 300	do	1,692	2,888	n.a.	n.a.
No. 2	do	4,592	9,173	1,219	n.a.
No. 2 tall	do	400	909	n.a.	n.a.
No. 3 cylinder	do	6,537	14,438	n.a.	n.a.
No. 10	do	1,364	2,533	1,627	n.a.
Miscellaneous tin	do	2,135	3,968	n.a.	n.a.
Miscellaneous glass	do	563	1,549	n.a.	n.a.
Other vegetable juices	do	191	437	n.a.	n.a.
Canned baby foods, total	do	28,418	71,104	n.a.	n.a.
Fruits, strained, total	do	9,898	22,018	856	1,706
4 oz	do	3,366	6,788	n.a.	n.a.
4 1/4-5 oz. glass	do	6,532	15,230	n.a.	n.a.
Fruits, chopped	do	1,650	5,028	n.a.	n.a.
Vegetables, strained, total	do	6,055	13,129	3,866	6,974
4 oz	do	1,961	3,922	n.a.	n.a.
4 1/4-5 oz. glass	do	4,094	9,207	n.a.	n.a.
Vegetables, chopped	do	1,213	3,413	n.a.	n.a.
Baby desserts, strained, total	do	2,184	4,672	n.a.	n.a.
4 oz	do	1,003	2,005	n.a.	n.a.
4 1/4-5 oz. glass	do	1,181	2,667	n.a.	n.a.
Baby desserts, chopped	do	215	620	n.a.	n.a.
Other baby foods, strained	do	4,809	12,884	n.a.	n.a.
Other baby foods, chopped	do	2,394	9,340	n.a.	n.a.
Jams, jellies, and preserves, total			152,636		39,119
Jams and preserves, pure	Pound	328,372	75,826	n.a.	n.a.
Jams and preserves, imitation	do	25,451	9,757	n.a.	n.a.
Jellies, pure	do	180,146	34,192	n.a.	n.a.
Jellies, imitation	do	52,088	6,800	n.a.	n.a.
Marmalades, citrus, pure	do	42,475	6,970	n.a.	n.a.
Fruit butter	do	105,974	10,172	n.a.	n.a.
Maraschino cherries	Gallon	5,073	13,835	n.a.	3,262
Jams, jellies, and preserves, kind not specified			1,084	n.a.	n.a.
Soups and other canned fruits, vegetables, etc., not elsewhere classified, total			217,802		
Mince-meat	Pound	28,437	5,413	30,848	3,140
Bulk fruit and vegetable juice	Gallon	2,630	1,921	n.a.	n.a.
Soups and other products ¹¹	Case ⁴	41,734	210,468	n.a.	n.a.
Canned foods, preserves, etc., kind not specified ¹²			15,579	n.a.	n.a.
Dried fruits, total			27,581	n.a.	n.a.
Dried apples	Pound	n.a.	4,183	59,773	3,512
Other ¹³	do	26,780	23,398	n.a.	n.a.
Dehydrated vegetables and soup mix, total			25,276	n.a.	n.a.
Dehydrated vegetables	do	77,368	12,112	5,640	521
Dehydrated soup mix	do	46,339	13,164	n.a.	n.a.
Pickles and pickle products, total ¹⁴			105,647		44,867
Cucumber pickles:					
Dill	Gallon	21,422	18,140	n.a.	n.a.
Sour	do	6,318	5,124	n.a.	n.a.
Sweet	do	17,188	27,238	n.a.	n.a.
Fresh pack	do	11,596	11,354	n.a.	n.a.
Pickle products (relish, mixed pickles, etc.)	do	18,907	16,795	n.a.	n.a.
Other pickles (tomatoes, peppers, etc.)	do	6,551	4,358	n.a.	n.a.
Green olives, bulk	do	1,833	3,598	n.a.	1,639
Green olives, bottled, including stuffed	do	4,502	16,735	n.a.	6,127
Sauerkraut, bulk ¹⁵	do	4,146	1,642	n.a.	2,101
Pickle products, kind not specified	do		663	n.a.	n.a.
Catsup and other tomato sauces, total			94,945		30,007
Catsup, total	Case ⁴	19,772	69,996	10,957	22,538
No. 10	do	2,036	9,197	987	n.a.
Miscellaneous tin	do	91	396	215	n.a.
12-14 oz. glass	do	17,349	59,093	9,755	n.a.
Miscellaneous glass (principally 16 and 17 oz.)	do	296	1,310		
Chili sauce, total	do	1,876	8,471	1,438	3,082
No. 10	do	226	1,359	136	n.a.
10-12 oz. glass	do	1,581	6,595		
Miscellaneous tin and glass	do	69	517	1,302	n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947		1939	
		Production ¹		Production ¹	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Catsup and other tomato sauces—Continued					
Other tomato sauces, total	Case ⁴	6,509	\$16,478	2,101	\$4,387
No. 10	do	138	526	31	n.a.
6-8 oz. tin	do	3,514	8,388		
No. 8Z tall	do	2,535	6,141		
Miscellaneous tin	do	121	401	2,070	n.a.
10-12 oz. glass	do	113	526		
Miscellaneous glass	do	88	496		
			21,858		10,842
Meat sauces, except tomato, total			12,327	n.a.	7,600
Prepared mustard	Gallon	16,149	12,327	n.a.	3,242
Worcestershire and similar sauces for meat	do	4,197	9,531	n.a.	
			201,990		48,650
Salad dressings, total			80,335	n.a.	21,594
Salad dressing, mayonnaise type	Gallon	39,262	80,335	n.a.	18,936
Mayonnaise	do	33,319	93,246	n.a.	4,847
Sandwich spread (dressing base)	do	6,979	17,258	n.a.	
French dressing	do	3,652	8,761	n.a.	3,273
Other salad dressings (Russian, tartar sauce, etc.)	do	881	1,759	n.a.	
Salad dressings, not specified by kind			631		
			11,157		3,445
Other pickle and sauce products ¹⁶			13,649		
Pickles and sauces, kind not specified ¹⁷			30,852	n.a.	n.a.
Frozen packaged sea food	Pound	115,464	30,852	n.a.	n.a.
			55,467	n.a.	n.a.
Frozen fruits and juices, total ¹⁸	do	300,692	55,467	n.a.	n.a.
Apples	do	26,536	2,654	n.a.	n.a.
Blackberries and dewberries	do	15,627	2,353	n.a.	n.a.
Red raspberries	do	21,594	4,730	n.a.	n.a.
Strawberries	do	83,987	22,725	n.a.	n.a.
Other berries	do	21,882	4,062	n.a.	n.a.
Red sour cherries	do	55,178	8,694	n.a.	n.a.
Peaches	do	26,969	3,360	n.a.	n.a.
Other fruits	do	38,905	4,343	n.a.	n.a.
Fruit juices	do	6,917	1,933	n.a.	n.a.
Fruits, kind not specified	do	3,097	613	n.a.	n.a.
			68,932	n.a.	n.a.
Frozen vegetables, total ¹⁸	do	354,409	68,932	n.a.	n.a.
Asparagus	do	9,886	3,061	n.a.	n.a.
Green and wax beans	do	30,872	6,238	n.a.	n.a.
Fresh lima beans	do	67,555	16,873	n.a.	n.a.
Broccoli	do	10,280	2,405	n.a.	n.a.
Brussels sprouts	do	6,730	1,967	n.a.	n.a.
Cauliflower	do	5,777	1,488	n.a.	n.a.
Fresh green peas	do	132,054	23,177	n.a.	n.a.
Spinach	do	19,628	2,892	n.a.	n.a.
Cut sweet corn	do	35,846	5,353	n.a.	n.a.
Other vegetables	do	34,581	5,251	n.a.	n.a.
Vegetables, kind not specified	do	1,200	227	n.a.	n.a.
			3,836	n.a.	n.a.
Frozen foods, kind not specified				n.a.	n.a.

n.a.—Not available.

¹ Shipments, rather than production, for 1947 data on dried fruits and vegetables.

² Source: *Canned Fish and Byproducts*, bulletin of United States Fish and Wildlife Service (see text on industry). For 1939, the published quantity figures have been revised to conform to the 1947 method of computing net weights. Note that establishments included in the census produced canned sea food having a value of \$211,974,000 (see table 5).

³ None packed in 1939.

⁴ Quantities were reported in dozens for 1947, and in actual cases for 1939. The 1947 figures have been converted to cases, using the following factors:

1 to the case: 5 gal. 6 to the case: No. 10. 12 to the case: No. 3 cylinder. 36 to the case: Baby foods. 48 to the case: 4Z, 6Z, 8Z (all types), No. 1 picnic, No. 1 tall, No. 211 cylinder. 24 to the case: All other.

Quantity figures for the "miscellaneous tin and glass" items, and items not shown by container size, have been converted to standard cases for 1947, because of wide variation in the sizes of the containers. For fruits, standard cases are 24/2 1/2's; for other products, 24/2's. Since the corresponding 1939 figures for the miscellaneous items represent actual cases, they are not closely comparable with the 1947 figures.

⁵ Pineapple, apple pie mix, nectarines, grapes, crabapples, grape pulp, etc.

⁶ Succotash, carrots and peas, vegetable salads, etc.

⁷ Okra, artichokes, broccoli, brussels sprouts, cabbage, cauliflower, celery, etc. Included with "Other nonseasonal vegetables" for 1939.

⁸ For 1947, potatoes, potato products, dried peas, macaroni, noodles, green chili, etc. For 1939, includes both seasonal and nonseasonal vegetables, not elsewhere classified.

⁹ Pineapple juice, tangerine juice, and apricot, peach, pear, plum, and prune nectar.

¹⁰ Includes mixtures containing at least 70 percent tomato juice.

¹¹ Poultry products and other canned products, not elsewhere classified, combined with soups to avoid disclosure of figures for individual companies. Number of standard cases is partially estimated.

¹² Includes total sales (\$11 million) of 272 small establishments classified in the "Canning and Preserving, Except Fish" industry for which no detailed breakdown of sales was tabulated.

¹³ Not including fruits dried on farms (see text on industry).

¹⁴ For 1939, includes value of unfinished pickles made in salting stations, reported as separate establishments; for 1947, the value of unfinished pickles is included in "Other pickle and sauce products."

¹⁵ Canned sauerkraut is included with "Canned nonseasonal vegetables and specialties."

¹⁶ For 1947, includes unfinished pickles and sauces, not elsewhere classified, such as prepared horseradish, catsup sold in bulk, and other sauces.

¹⁷ Includes total sales (\$8 million) of 185 small establishments classified in the "Pickles and sauces" industry, for which no detailed breakdown of sales was tabulated.

¹⁸ Not including products frozen on farms or in public cold storage warehouses. For 1947, production in such establishments was of minor importance except for berries, cherries, and spinach. Data on total U. S. pack are published by the National Association of Frozen Food Packers.

GRAIN-MILL PRODUCTS

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Production for sale	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Wheat flour, plain, total ¹	100 lb. sack	271,404	\$1,598,178	198,906	\$410,784
White	do	254,318	1,601,146	187,967	388,481
Whole wheat	do	4,714	26,614	4,287	8,880
Semolina	do	9,164	50,923	6,652	13,423
Other, including farina	do	3,208	19,490	(²)	(²)
Blended and prepared flour, total	do	47,374	363,999	25,845	75,596
Plain blended	do	2,326	13,838	1,425	3,221
Phosphated	do	19,679	119,734	7,270	13,943
Self-rising	do	14,994	101,608	13,283	32,080
Other prepared flour (pancake, etc.)	do	10,375	128,819	3,867	24,352
Blended and prepared flour, made in flour mills	do	40,096	272,388	19,399	47,608
Plain blended	do	1,869	10,718	790	1,657
Phosphated	do	19,031	114,546	6,628	14,351
Self-rising	do	12,955	83,868	10,574	24,895
Other prepared flour (pancake, etc.)	do	6,241	63,256	1,407	6,705
Blended and prepared flour, not made in flour mills ⁴	do	7,278	91,611	6,446	27,988
Plain blended	do	457	3,120	635	1,564
Phosphated	do	648	5,188	642	1,592
Self-rising	do	2,039	17,740	2,700	7,185
Other prepared flour (pancake, etc.)	do	4,134	65,563	2,460	17,647
Wheat bran, shorts and middlings	Ton	5,285	320,580	4,391	89,813
Corn meal, total	100 lb. sack	11,838	65,694	14,147	22,596
Whole	do	5,997	33,628	n.a.	n.a.
Degermed	do	5,841	32,066	n.a.	n.a.
Other grain-mill products, n.e.c., total			129,280		n.a.
Rye flour	100 lb. sack	1,930	12,541	2,844	4,092
Rye millfeed	Ton	23	1,121	n.a.	n.a.
Corn grits and hominy for human consumption	100 lb. sack	4,841	24,929	2,275	3,520
Corn grits and flakes for brewers' use	do	6,911	37,609	4,035	5,410
Hominy feed and other corn milling byproducts	Ton	529	36,117	n.a.	n.a.
Oat millfeed and other oat milling byproducts	do	237	11,346	n.a.	n.a.
Other grain-mill products ⁵			5,717		1,623
Grain-mill products, not specified by kind			31,605		4,454
Poultry and livestock feeds, total	Ton	22,293	1,982,981	n.a.	n.a.
Grain (ground, rolled, chopped, or crimped)	do	1,584			
Poultry feeds:					
All scratch feeds	do	1,755			
Chicken mash and pellets, under 25% protein:					
Layer and breeder	do	4,318			
Starter	do	960			
Grower	do	1,173			
Broiler	do	1,522			
Turkey mash and pellets, under 25% protein	do	547			
Other poultry feeds under 25% protein	do	612			
Supplements and concentrates, 25% protein and over	do	832		n.a.	
Livestock feeds:					
Dairy, under 25% protein	do	4,664			
Dairy, 25% protein and over	do	608			
Beef and range cattle	do	436			
Sheep and goat	do	71			
Pig and hog, under 25% protein	do	771			
Pig and hog, 25% protein and over	do	707			
Horse and mule	do	534			
Other livestock feeds ⁶	do	757			
Poultry and livestock feeds, kind not specified	do	447			
Dog and cat food, total	Pound	1,107,849	96,359	732,095	33,467
Canned	do	427,137	38,889	501,378	22,948
Biscuits, pellets, and meal	do	680,712	57,970	230,717	10,519
Miscellaneous feeds, total			87,102		n.a.
Mineral mixtures	Pound	399,799	18,257	615,484	7,750
Alfalfa meal, total	Ton			419	8,083
Sun-cured	do	397	15,944	n.a.	n.a.
Dehydrated	do	723	34,311	n.a.	n.a.
Other prepared feeds, n.e.c. ⁷			18,590	n.a.	n.a.
Prepared feeds, kind not specified			8 47,029		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Production for sale	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Cereal preparations, total			\$221,758		\$108,458
Ready to serve, total	Pound	713,147	148,134	576,493	67,065
Corn	do.	207,360	35,130	n.a.	n.a.
Wheat	do.	306,632	60,059	299,539	37,665
Other grains and mixed grains	do.	199,155	52,945	n.a.	n.a.
To be cooked before serving, total	do.	773,054	69,693	712,123	36,407
Corn	do.	2,809	320	n.a.	n.a.
Oats	do.	504,657	42,919	n.a.	n.a.
Wheat	do.	165,093	19,818	153,453	10,463
Other grains and mixed grains	do.	100,495	6,636	n.a.	n.a.
Cereal coffee substitute		n.a.	3,772	n.a.	n.a.
Cereal preparations, kind not specified			159	n.a.	n.a.
Milled rice, total ⁹	100 lb. bag	22,102	215,804	14,883	39,615
By type of rice:					
Heads	do.	17,275	184,626	11,850	33,673
Second heads	do.	2,340	15,972	958	2,097
Screenings	do.	1,594	9,979	1,160	2,217
Brewers'	do.	893	5,227	915	1,628
By type of container:					
Bags, 100 lbs. and over	do.	18,230	169,282	n.a.	n.a.
Containers of 3 lbs. or less	do.	3,594	43,605	n.a.	n.a.
Other containers	do.	278	2,917	n.a.	n.a.
Rice milling byproducts, total			8,358		2,749
Bran	100 lb. bag	2,749	6,413	2,078	1,687
Polish	do.	223	665	363	390
Other byproducts ¹⁰			1,280		692

n.a.—Not available.

¹ Total production, including the quantity produced and used in the same mills in the manufacture of blended and prepared flours amounted to 305.5 million sacks in 1947. (For more detail, see the Census' "Facts for Industry" Series M16A, Flour Milling Products.)

² Included with white flour.

³ Includes a small quantity of prepared flour, kind not specified.

⁴ Includes production in cereal plants, largely from purchased flour.

⁵ Includes buckwheat and corn flour.

⁶ Includes feed for rabbits, mink, foxes, laboratory animals, etc.

⁷ Includes crushed oyster shells, egg shells, dried citrus pulp, and miscellaneous prepared materials used as feeds or feed adjuncts.

⁸ Includes total sales (\$29,673,000) of 468 establishments classified in the "Prepared animal feeds" industry, for which no detailed breakdown of sales was tabulated.

⁹ Figures for 1947 represent calendar year shipments except that establishments accounting for the following percentages of total shipments reported for years ending as specified: June 30, 1947, 1%; July 31, 1947, 1%; September 30, 1947, 11%; May 31, 1948, 6%; June 30, 1948, 1%.

¹⁰ Meal, flour, ground hulls, and products, not specified by kind.

BAKERY PRODUCTS

[Quantity and value figures in thousands]

PRODUCT	Bakery products (except biscuit, crackers, and pretzels) industry				Biscuit, crackers, and pretzels industry	Other industries	1947 total	1939 total ¹
	Wholesale		Retail					
	Selling to grocers and grocery chain bakeries	Selling to hotels, restaurants, and institutions	House-to-house	Retail multi-outlet				
Bread, total value	\$973,457	\$52,653	\$130,908	\$37,365	\$2,439	\$34	\$1,196,856	n.a.
White pan:								
Pounds.....	7,239,748	271,499	812,727	175,717	21,224	242	8,521,157	7,213,843
Value.....	\$783,046	\$31,287	\$101,132	\$19,915	\$2,145	\$25	\$937,560	\$491,521
White hearth:								
Pounds.....	211,099	37,375	37,537	20,106			306,117	
Value.....	\$25,757	\$4,357	\$5,054	\$2,714			\$37,882	
Whole wheat, cracked wheat, and other dark wheat breads:					(?)	1,012	893,411	1,731,225
Pounds.....	727,296	29,764	101,034	33,705	(?)	\$199	\$105,487	\$128,210
Value.....	\$84,497	\$3,588	\$12,999	\$4,204	(?)			
Rye, including pumpernickel:					(?)	550	613,391	
Pounds.....	448,748	63,331	55,897	44,865	(?)	\$68	\$78,016	
Value.....	\$56,183	\$7,775	\$7,851	\$6,139	(?)			
Raisin and other specialty breads:					261		192,476	462,580
Pounds.....	138,842	11,158	21,221	20,994			\$27,813	\$37,428
Value.....	\$19,443	\$1,487	\$3,505	\$3,342		\$36	\$10,098	(?)
Bread, not reported in detail, value.....	\$4,531	\$4,149	\$367	\$1,051				(?)
Rolls, cakes, pies, and pastries, total value	\$564,077	\$179,186	\$124,642	\$136,381	\$5,682	\$1,433	\$1,011,401	n.a.
Rolls, bread type:					(?)	2,434	942,791	
Pounds.....	664,253	165,228	48,417	62,459	(?)	\$437	\$152,643	
Value.....	\$102,891	\$25,402	\$10,503	\$13,410	(?)			1,068,302
Sweet yeast goods:					(?)	2,410	612,328	\$140,135
Pounds.....	305,779	96,743	110,086	97,310	(?)	\$659	\$182,169	
Value.....	\$79,652	\$27,404	\$39,598	\$34,856	(?)			
Doughnuts, cake type:					1,445	9	309,591	336,019
Dozens.....	192,450	64,542	23,244	27,901		\$4	\$80,203	\$53,375
Value.....	\$46,318	\$16,202	\$8,953	\$8,414				
Soft cakes:					9,795	426	1,210,207	953,195
Pounds.....	873,587	84,337	128,406	113,656		\$204	\$390,663	\$186,131
Value.....	\$267,806	\$24,841	\$48,766	\$45,033				
Pies:					(?)	552	600,641	n.a.
Pounds.....	197,478	307,791	33,506	61,314	(?)	\$284	\$146,750	\$75,121
Value.....	\$45,678	\$70,840	\$11,447	\$18,501	(?)	\$97	\$20,792	\$24,346
Pastries, all types, value.....	\$5,178	\$5,686	\$2,122	\$7,709	(?)			
Cookies, hand-made:					(?)	4,132	80,596	111,986
Pounds.....	35,791	15,704	7,797	17,172	(?)	\$973	\$25,115	\$19,716
Value.....	\$9,935	\$5,022	\$2,827	\$6,358	(?)			(?)
Rolls, cakes, pies, etc., not reported in detail, value.....	\$6,619	\$3,789	\$426	\$2,100		\$132	\$13,066	
Bakery products, not reported in detail, value ⁴	\$63,473	\$36,717	\$13,104	\$37,949	\$101	\$481	\$151,825	\$27,214
Biscuit, crackers, and pretzels, total value	\$20,019	\$1,335	\$7,943	\$3,281	\$519,950	\$5,277	\$557,805	\$213,755
Cookies, machine-made:								
Pounds.....	64,305	(?)	18,620	8,548	921,382	14,361	1,027,216	
Value.....	\$15,832	(?)	\$7,441	\$2,804	\$297,507	\$3,518	\$327,102	1,611,558
Crackers, sponge, grahams, sprayed varieties, and low-sugar content biscuit:					951,020	32,770	963,790	\$207,693
Pounds.....	(?)	(?)	(?)	(?)	\$206,389	\$6,937	\$213,326	
Value.....	(?)	(?)	(?)	(?)				
Pretzels:					68,835	5,333	74,168	52,331
Pounds.....	(?)	(?)	(?)	(?)	\$16,054	\$1,323	\$17,377	\$6,062
Value.....	(?)	(?)	(?)	(?)				
Retail outlets in operation Oct. 15.....	⁵ 1,493	733	497	5,733			8,456	8,913
House-to-house routes in operation Oct. 15.....	2,300	213	10,771	297			13,581	18,472

n.a.—Not available.

¹ The 1939 figures include the production of retail single-outlet bakeries and are not closely comparable with the 1947 data. Production of such bakeries amounted to about 10 percent of the total for 1939, but this percentage cannot be applied to specific products; the percentage accounted for by small bakeries is undoubtedly much larger in the case of specialty breads, pastries, doughnuts, and hand-made cookies, and smaller for other items (see text).

² Combined with "other industries," to avoid disclosure of figures for individual companies. Combined figures are in italics.

³ Combined with "Bakery products, not reported in detail."

⁴ Represents total sales of companies unable to report products in detail. The value of products included other than bread, rolls, cakes, and pastries is negligible.

⁵ In addition, 9,889 outlets were reported by grocery chain bakeries.

SUGAR; CONFECTIONERY AND RELATED PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	1947				1939		
	Shipments				Production ¹ (short tons)	Production	
	Short tons	Value including excise taxes	Excise taxes	Value excluding excise taxes		Short tons	Value including excise taxes ²
Raw cane sugar.....	296,111	\$35,813		\$35,813	298,655	417,314	\$22,909
Other cane mill products, total.....		23,330	\$574	22,756			10,618
Plantation granulated sugar.....	18,021	2,925	181	2,744	21,467	50,471	4,386
Other grades of sugar (clarified, turbinado, crystals, etc.).....	43,585	6,527	393	6,134	25,364	38,257	2,771
Sugar cane sirup ³	31,171	3,610		3,610	n.a.	20,977	1,054
Molasses, except blackstrap.....	47,211	2,940		2,940	n.a.	36,103	810
Blackstrap molasses.....	147,958	6,754		6,754	n.a.	189,883	1,281
Bagasse.....	223,504	524		524	n.a.	119,960	303
Other products.....		50		50			13
Refined cane sugar, total.....		853,466	54,924	803,542			386,680
Hard sugar, total.....	4,776,195	790,212	50,952	739,260	4,793,585	3,890,125	356,953
Shipped in consumer sizes (including all cube and tablet sugar), total.....	2,299,124	386,184	24,536	361,648	n.a.	1,623,474	152,248
Shipped in bulk containers and in bulk, total.....	2,477,071	404,028	26,416	377,612	n.a.	2,266,651	204,705
Refined white granulated sugar.....	4,523,460	744,975	48,384	696,591	4,536,338	n.a.	n.a.
Consumer sizes (25 pounds or less).....	2,192,513	365,289	23,465	341,824	n.a.	n.a.	n.a.
Bulk containers (50- and 100-pound bags and barrels).....	2,302,777	375,197	24,618	350,579	n.a.	n.a.	n.a.
Bulk (tank cars or trucks).....	28,170	4,489	301	4,188	n.a.	n.a.	n.a.
Cube and tablet sugar.....	20,291	4,440	217	4,223	20,494	n.a.	n.a.
Confectioners' powdered sugar.....	232,444	40,797	2,351	38,446	236,753	n.a.	n.a.
Consumer sizes (10 pounds or less).....	86,320	16,455	854	15,601	n.a.	n.a.	n.a.
Bulk containers.....	146,124	24,342	1,497	22,845	n.a.	n.a.	n.a.
Soft or brown sugar.....	145,574	24,494	1,391	23,103	143,342	236,383	20,251
Consumer sizes (10 pounds or less).....	69,717	12,734	666	12,068	n.a.	n.a.	n.a.
Bulk containers.....	75,857	11,760	725	11,035	n.a.	n.a.	n.a.
Sugar sirups and liquid sugars (dry basis) ⁴	184,710	30,054	1,780	28,284	184,530	n.a.	5,019
Invert sugar (dry basis).....	83,728	13,706	791	12,915	84,041	n.a.	4,457
Other cane sugar refinery products, total.....		14,638		14,638			1,784
Refiners' sirup, except barrel sirup.....	49,150	6,477		6,477	n.a.	n.a.	828
Refiners' blackstrap, filtered blackstrap and barrel sirup.....	191,174	8,161		8,161	n.a.	n.a.	956
Beet sugar, total.....	1,460,891	248,817	15,484	233,333	1,726,816	1,622,772	125,407
Granulated sugar.....	1,440,776	245,268	15,277	229,991	1,712,799	⁵ 1,622,772	⁵ 125,407
Shipped in consumer sizes (25 pounds or less).....	441,461	76,987	4,896	72,091		384,784	30,196
Shipped in bulk and bulk containers (50- and 100-pound bags and barrels and in tank cars and trucks).....	999,315	168,281	10,381	157,900		1,237,988	95,211
Confectioners' powdered sugar.....	20,115	3,549	207	3,342	14,017	(9)	(9)
Other beet sugar factory products, total.....		29,539		29,539			n.a.
Whole or straight house molasses.....	250,448	⁶ 7,570		⁶ 7,570	n.a.	n.a.	n.a.
Shipped for desugarization.....	124,215	⁶ 2,908		⁶ 2,908	n.a.	n.a.	n.a.
Shipped for other uses.....	126,233	4,662		4,662	n.a.	n.a.	n.a.
Discard molasses.....	125,392	3,253		3,253	n.a.	n.a.	n.a.
Molasses beet pulp.....	199,265	8,420		8,420	n.a.	166,474	2,639
Dried beet pulp.....	97,910	5,921		5,921	n.a.	97,827	2,027
Wet beet pulp.....	⁷ 1,869,000	3,283		3,283	n.a.	1,634,810	1,293
Other products.....		1,092		1,092	n.a.		3,030

See footnotes at end of table.

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Total production for sale and interplant transfers	
	Quantity (M lbs.)	Value f.o.b. plant	Quantity (M lbs.)	Value f.o.b. plant
Candy bars, except solid chocolate, total ⁸	911,487	\$296,167	n.a.	n.a.
Chocolate covered	761,716	250,728	404,986	\$57,132
Other bars	149,771	45,439	n.a.	n.a.
5-cent and 10-cent specialties (other than bars and cough drops), total	227,900	72,096		
Hard	91,210	33,254		
Gums and jellies	24,252	6,058		
Caramels	29,166	7,699	n.a.	n.a.
Panned goods	14,640	4,669		
Other 5-cent and 10-cent specialties ⁹	68,632	20,416		
Package candy, total	435,993	227,840		
Package goods to retail at:				
\$1 or more per pound	157,258	128,522	n.a.	n.a.
50 cents to 99 cents per pound	108,824	55,566		
Less than 50 cents per pound ⁹	169,911	43,752		
Bulk candy, total	576,315	177,957		
Chocolate covered	161,586	76,958		
Nonchocolate bulk candy, total	414,729	100,999		
Hard	122,012	30,657		
Gums and jellies	69,352	15,453		
Cream work	41,733	9,576	n.a.	n.a.
Lozenges	11,702	2,685		
Caramels	44,559	8,159		
Toffees	3,804	1,370		
Peanut brittle	16,561	4,520		
Other nonchocolate bulk candy ⁹	105,006	28,579		
Salted, roasted, or blanched nuts, total	189,879	75,226	n.a.	18,744
Packaged	106,487	50,121	n.a.	n.a.
Bulk ⁹	83,392	25,105	n.a.	n.a.
Other candy and confectionery products, total	159,548	46,098	n.a.	n.a.
Penny goods	89,472	22,242	n.a.	n.a.
Cough drops, sugar-type ¹⁰	29,874	8,528	n.a.	n.a.
Glace, candied and crystallized fruit and nuts ¹⁰	40,202	15,328	n.a.	5,824
All other confectionery products and confectionery products, not specified by kind ¹¹		41,491		n.a.
Chocolate coatings, total ¹²	423,290	150,796	339,530	32,195
Sweet	226,378	76,627	226,704	21,229
Milk	161,589	60,576	74,268	7,601
Liquor	35,323	13,593	38,558	3,365
Other chocolate and cocoa products, total	198,715	198,715		66,765
Solid chocolate, except coatings, total ¹³	290,563	126,429	200,592	36,473
Sweet	69,258	26,655	40,043	5,654
Plain milk	135,923	57,232	87,216	16,019
Milk with nuts, etc.	85,382	42,542	69,580	13,953
Kind not specified			3,773	847
Cocoa powder, total ¹⁴	172,124	38,311	153,441	13,200
Unsweetened:				
Consumer sizes ¹⁵	41,802	9,460	60,693	5,809
Bulk containers	100,795	19,465	74,835	4,492
Sweetened or mixed with other substances	29,527	9,386	17,913	2,899
Cocoa butter	25,723	16,860	57,205	6,880
Chocolate sirups	95,483	10,197	(16)	6,010
All other chocolate products, and chocolate products not specified by kind		6,918		4,202
Chewing gum and chewing gum base, total		150,900		59,262
Chewing gum, not medicated	206,578	149,510	n.a.	59,262
Chewing gum base	n.a.	1,390	n.a.	n.a.

n.a.—Not available.

¹ The 1947 production figures for refined cane sugar differ slightly from data published by the Department of Agriculture, largely because the census figures include the production of certain Louisiana sugar mills which are not classified as refineries by the Department of Agriculture, and exclude production by beverage base and confectionery manufacturers for their own use.

² Excise taxes for 1939 included in this table are estimated at \$0.9 million for cane sugar mill products, \$44 million for refined cane sugar and \$17 million for beet sugar.

³ Includes only sirup made in raw sugar and commercial sirup mills. Farm sirup mills were considered to be outside the scope of the census.

⁴ Figures for 1947 do not include liquid sugar and sugar sirups produced by confectionery and beverage base manufacturers for their own use.

⁵ Data for confectioners' powdered sugar included with granulated.

⁶ Value understated because of inclusion of a substantial amount of interplant transfers at nominal values.

⁷ Quantity for 1947 taken from reports of the Bureau of Agricultural Economics, U. S. Department of Agriculture. Quantities were not uniformly reported to the Census Bureau.

⁸ Solid chocolate bars are not included. See footnote 13.

⁹ Including small quantities not specified by kind or retail price class.

¹⁰ Not including sugar-type cough drops valued at \$3,366,000 shipped by the Pharmaceutical Preparations Industry.

¹¹ Includes total shipments (\$15 million) of 481 small establishments, classified in the confectionery industry, for which no detailed breakdown of shipments was tabulated.

¹² Includes production by confectionery manufacturers for their own use, to the extent that such production was reported separately. Confectionery manufacturers who did not report separately in 1947 accounted for about 2 percent of the total production of coatings in that year.

¹³ 1947 figures include 245,088 thousand pounds of consumer size solid chocolate bars valued at \$108,707,000.

¹⁴ For 1947, figures shown represent the output of plants classified in the chocolate and cocoa products industry. 1939 figures include small quantities made (from purchased chocolate) by plants classified in other industries.

¹⁵ For 1947, containers of 2½ pounds or less; for 1939, cans of all sizes.

¹⁶ Not available in pounds; 6,825 thousand gallons reported.

BEVERAGES

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	Unit of measure ¹	1947				1939	
		Internal Revenue statistics ² (quantity)	Shipments and interplant transfers ³			Production	
			Quantity	Total value	Excise taxes ⁴	Value less tax	Quantity
Soft drinks, total			\$745,676		\$745,676		\$361,691
Case goods, carbonated	Case	* 883,155	729,407		729,407	472,763	354,187
Case goods, still	do	* 14,966	13,304		13,304	6,293	4,045
Bulk goods, carbonated	Gallon	* 10,889	2,830		2,830	10,879	3,216
Bulk goods, still	do	* 138	135		135	941	243
Malt liquors, total	Barrel	88,027	2,090,213	\$800,129	1,290,084	52,880	511,440
Case goods, total ⁷	do	59,753	1,550,336	544,417	1,005,919	n.a.	n.a.
Canned beer	do	n.a.	6,497	194,156	57,661	136,495	n.a.
Canned ale	do	n.a.	506	16,370	4,763	11,607	n.a.
Bottled beer	do	n.a.	47,144	1,214,508	436,296	778,212	n.a.
Bottled ale	do	n.a.	4,660	124,102	45,324	78,778	n.a.
Other bottled	do	n.a.	53	1,200	373	827	n.a.
Barrels and kegs, total ⁷	do	28,274	28,131	530,877	255,712	284,165	n.a.
Beer	do	n.a.	25,515	480,230	231,979	257,251	n.a.
Ale	do	n.a.	2,606	50,422	23,638	26,784	n.a.
Other	do	n.a.	10	225	95	130	n.a.
Other brewery products, total			\$31,245		\$31,245		\$9,757
Cereal beverages	Barrel	41	45	844		158	1,594
Malt extract	Pound		66,835	7,046		92,306	5,562
Brewers' grains, total			n.a.	23,016		n.a.	2,601
Dry	Ton		269	14,834		n.a.	n.a.
Wet			n.a.	8,182		n.a.	n.a.
Other brewery products				339			
Malt, total ⁸	Pound	* 3,686,610	238,877		238,877	2,227,201	55,570
Transferred by malt houses to breweries under same ownership	do		372,005	25,053		294,870	7,013
Other shipments	do		3,314,605	213,824		1,932,331	48,557
Malt sprouts and other byproducts	do		637,419	17,229		n.a.	2,699
Wines and grape concentrate, total					159,157	n.a.	n.a.
Tax-paid shipments:							
Still table wines (14% or less), total	Wine gal.	22,604	¹⁰ 17,571	25,963	\$2,921	23,042	n.a.
Grape wines, red	do	n.a.	12,336	17,422	2,048	15,374	n.a.
Grape wines, white	do	n.a.	4,529	7,184	734	6,450	n.a.
Fruit and berry wines	do	n.a.	706	1,357	139	1,218	n.a.
Still dessert wines (over 14%)	do	69,357	¹⁰ 54,423	96,111	34,261	61,850	n.a.
Sparkling wines	do	1,010	1,010	9,401	3,074	6,327	n.a.
Vermouth	do	1,424	¹⁰ 1,216	3,248	792	2,456	n.a.
Wines, kind not specified	do		1,071	1,715	449	1,266	n.a.
Shipments in bond:							
Still table wines (14% or less), total	do		20,480	12,384		12,384	n.a.
Grape wines, red	do		13,842	7,885		7,885	n.a.
Grape wines, white	do		6,157	3,978		3,978	n.a.
Fruit and berry wines	do		481	521		521	n.a.
Still dessert wines (over 14%)	do		68,337	44,114		44,114	n.a.
Sparkling wines	do		102	324		324	n.a.
Vermouth	do		228	224		224	n.a.
Wines, kind not specified ¹¹	do	n.a.		6,027		6,027	n.a.
Grape concentrate	Gallon		577	1,143		1,143	n.a.
Brandy, neutral spirits and neutral brandy, total					9,514	n.a.	n.a.
Tax-paid shipments:							
Beverage brandy	Tax gal.	¹¹ 1,143	¹⁰ 421	6,355	3,840	2,515	n.a.
Shipments in bond:							
Beverage brandy	do		1,175	3,086		3,086	n.a.
Neutral spirits and neutral brandy	do		3,912	3,913		3,913	n.a.
Distilled liquors, except brandy, total	Proof gal.	246,443	245,363	190,401		190,401	112,012
Whiskey (raw), total	do	141,316	137,996	138,752		138,752	86,994
Bourbon	do	n.a.	100,968	n.a.		104,320	n.a.
Rye	do	n.a.	21,434	25,355		25,355	22,440
Corn and malt	do	n.a.	15,594	9,077		9,077	n.a.
Gin (distilled in registered distilleries)	do	5,473	5,468	2,701		2,701	6,517
Spirits, except fruit ¹³	do	97,390	99,639	47,490		47,490	17,139
Rum	do	2,264	2,260	1,458		1,458	1,362
Distillers' dried grains and solubles	Ton		399	23,536		23,536	135

See footnotes at end of table.

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	Unit of measure ¹	1947				1939	
		Internal Revenue statistics ² (quantity)	Shipments and interplant transfers ³			Production	
			Quantity	Total value	Excise taxes ⁴	Value less tax	Quantity
Bottled liquors, total			2,025,921	1,377,200	648,721	n.a.	n.a.
Whiskey, total.....	Wine gal.	157,313	153,576	1,845,882	1,240,880	605,002	n.a.
Blends of straight whiskeys, rectified.....	do.	n.a.	4,432	53,225	35,896	17,329	n.a.
Other rectified whiskey.....	do.	n.a.	133,768	1,527,749	1,084,956	442,793	n.a.
Unrectified, except bottled-in-bond.....	do.	8,272	¹⁰ 6,537	95,268	50,550	44,718	n.a.
Bottled-in-bond.....	Proof gal.	10,243	¹⁰ 8,839	169,640	69,478	100,162	n.a.
Gin, total.....	Wine gal.	13,663	13,510	136,949	110,997	25,952	n.a.
Rectified.....	do.	8,434	8,313	85,986	68,498	17,488	n.a.
Unrectified.....	do.	5,229	5,197	50,963	42,499	8,464	n.a.
Cordials and liqueurs.....	do.	3,058	2,974	31,875	17,990	13,885	n.a.
Other liquors (rum, brandy, etc.).....	do.	n.a.	1,014	11,215	7,333	3,882	n.a.
Liquors, kind not specified ¹⁴			n.a.	n.a.	n.a.	5,662	n.a.

n.a.—Not available.
¹ Cases of soft drinks contain 24 small bottles or 12 large bottles. Bbls. of malt liquors contain 31 gals. A wine gal. is a std. U. S. gal. of 231 cu. in. A proof gal. is a wine gal. of 100 proof spirits (50% alcohol by volume). Wine gals. may be converted to proof gals. by multiplying the number of wine gals. by the proof of the liquor involved. A tax gal. is equiv. to the proof gal. for liquors of 100 proof or more, and equiv. to the wine gal. for liquors of less than 100 proof.
² Bureau of Internal Revenue statistics are shown in this column for comparison with census data. See text for types of establishments included in the census. For malt liquors, Internal Revenue figures represent tax-paid withdrawals plus exports. For wines and brandy, tax-paid withdrawals. For distilled liquors, except brandy, production. For rectified and unrectified liquors, quantity bottled.
³ For distilled liquors, except brandy, production. For rectified and unrectified liquors, quantity bottled.
⁴ Including Federal, State, and State taxes paid by the manufacturer.
⁵ Excluding excise taxes.
⁶ Adjusted to include estimated quantity for 1,262 establishments which reported only total dollar sales. Sales of these establishments amounted to 5.5% of the total value of soft drinks. See table 6-B for flavor and size breakdown.
⁷ These figures represent shipments from breweries; the amount bottled in other establishments is shipped from breweries as barrel goods rather than case goods.
⁸ Over 99% barley malt; rye and wheat malt combined with barley malt to avoid disclosure of figures for individual companies.
⁹ Production for 1947 reported as 3,611 million lbs.
¹⁰ The differences between these figures and the corresponding Bureau of Internal Revenue figures represent the amount on which the tax was paid by establishments not included in the census. Most of the beverage brandy withdrawn for consumption during the year was bottled at rectifying plants not included in the census. Bonded whiskey is included in the census figures to the extent that it was bottled at internal revenue bonded warehouses attached to manufacturing establishments.
¹¹ Including total value of shipments (\$5,162,000) of 117 establishments classified in the Wines and Brandy Industry, for which no detailed breakdown of shipments was tabulated.
¹² Includes some brandy for fortification.
¹³ For 1947, the Bureau of Internal Revenue quantity figure represents net production at registered distilleries, not including redistilled spirits. The Census figure includes some redistilled spirits.
¹⁴ Including total value of shipments (\$2,526,000) of 26 establishments classified in the Distilled Liquors, Except Brandy Industry, for which no detailed breakdown of shipments was tabulated.

TABLE B.—SHIPMENTS OF SOFT DRINKS, BY CONTAINER SIZE AND FLAVOR: 1947

[All figures in thousands]

PRODUCT	Cases of 24 bottles				Cases of 12 bottles		Cases, bottle size not reported	Total cases	Value
	6 and 7 ounce bottles	8, 9, and 10 ounce bottles	12 ounce bottles	16 ounce bottles	20-24 ounce bottles	28-32 ounce bottles ¹			
Bottled soft drinks, total	536,295	34,861	171,205	1,355	11,907	75,125	67,373	898,121	\$742,711
Carbonated, total	525,735	33,583	170,422	1,351	11,828	74,257	65,979	883,155	729,407
Containing kola extract.....	367,954	3,967	131,745	309	879	4,622	3,449	512,925	415,350
Orange.....	22,301	9,943	6,512	164	406	4,619	360	44,305	35,309
Lemon, lime, lemon-lime.....	53,777	1,651	1,208	80	1,835	5,368	256	64,175	50,592
Root beer and sarsaparilla.....	6,368	4,859	14,715	53	2,263	6,568	74	34,900	29,260
Ginger ale.....	4,506	2,414	2,125	19	3,091	24,260	79	36,494	37,288
Grape.....	19,850	2,668	2,302	43	83	1,704	-----	26,650	21,176
Carbonated water and club soda.....	3,154	491	2,303	46	1,410	11,795	555	19,754	19,685
Other carbonated.....	33,471	5,568	5,698	99	1,376	10,028	457	56,697	45,881
Flavor not reported.....	14,354	2,022	3,814	538	485	5,293	260,749	87,255	74,866
Still, total	10,560	1,278	783	4	79	868	² 1,394	14,966	13,304
Orange.....	6,372	943	310	3	55	419	728	8,830	7,559
Other still.....	4,188	335	473	1	24	449	666	6,136	5,745

¹ Includes a small number of 64-ounce bottles sold 6 to a case.
² Includes estimated number of cases for 1,262 establishments which reported only total dollar sales. Sales of these establishments amounted to 5.5% of the total value of soft drinks.

MISCELLANEOUS FOOD PREPARATIONS

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Production	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Liquid, frozen, and dried eggs, total ¹	Pound		\$236,758		\$28,633
Dried:					
Whole	do.	65,493	82,584	8,839	4,015
Whites	do.	1,582	2,846		
Yolks	do.	4,192	4,735		
Liquid or frozen:					
Whole	do.	71,177	90,990	n.a.	24,618
Whites	do.	93,751	26,181		
Yolks	do.	62,058	27,177		
Liquid, frozen, and dried eggs, kind not specified			2,245		
Baking powder, total	Pound		13,341		13,808
Packed in consumer sizes (less than 5 lbs.)	do.	100,952	11,672	140,270	13,808
Packed in commercial sizes (5 lbs. and over)	do.	9,554	930		
Size of container not specified			739		
Yeast, total	Pound		50,297		16,418
Compressed and active dry yeast ²	do.	270,104	43,884	219,364	16,418
Brewer's yeast and primary grown yeast for nutritional and feed purposes	do.	37,076	4,336		
Extracts and other yeast products	do.	9,150	2,077		
Shortening and salad oils, except olive oil, total	Pound		623,310		n.a.
Shortening, total	do.	1,396,005	441,177	1,381,935	127,770
Made of mixed animal and/or vegetable oils (standard)	do.	409,980	123,313	351,536	28,512
Made solely of hydrogenated vegetable oils	do.	986,025	317,864	1,030,399	99,258
Salad and cooking oils ³	do.	646,169	179,144	508,006	40,376
Vegetable oil winter stearin	do.	11,426	2,989	n.a.	n.a.
Olive oil	do.	4,074	3,016	6,333	1,290
Miscellaneous refinery products ⁴			3,192		n.a.
Oleomargarine, total	Pound		731,833		32,248
Mixed animal and vegetable oils	do.	32,263	10,539	55,361	5,491
Vegetable oils only	do.	699,570	226,553	252,064	26,757
Corn sirup, sugar, and starch, total	Pound		228,388		64,079
Corn sirup, unmixed	do.	1,604,251	77,102	957,297	21,134
Corn sugar, total	do.	783,975	53,091	467,153	13,619
Crude (70°, 80°, pressed)	do.	113,111	5,897	n.a.	n.a.
Refined (hydrous, anhydrous)	do.	670,864	47,194	n.a.	n.a.
Corn starch, excluding reprocessed, total	do.	1,618,952	98,195	1,120,265	29,326
Packages larger than 5 lbs.	do.	1,433,116	82,545	n.a.	n.a.
Packages of 5 lbs. or less	do.	185,836	15,650	n.a.	n.a.
Other starch, including reprocessed, total	Pound		17,669		4,013
Irish potato	do.	62,383	4,629	19,487	6,788
Wheat, sweet potato, and rice	do.	38,755	2,759	17,671	6,819
Household starches made from purchased starch	do.	105,729	10,281	55,410	6,240
Dextrin	do.	190,005	14,179	121,267	4,186
Corn oil, total ⁷	Pound		89,516		12,706
Crude	do.	152,556	31,175	65,936	3,733
Refined	do.	699,570	58,341	105,001	8,973
Wet process corn byproducts, total ⁸	Pound		72,043		n.a.
Hydrol (corn sugar byproduct molasses)	do.	228,312	5,354	n.a.	n.a.
Corn byproduct feeds, total	do.	2,120,413	64,722	1,192,780	11,158
Gluten feed	do.	1,724,281	50,357	n.a.	n.a.
Gluten meal	do.	270,161	10,378	n.a.	n.a.
Corn oil cake and meal ¹⁰	do.	125,971	3,957	65,140	585
Miscellaneous products ⁹	do.	14,515	1,967	n.a.	n.a.
Flavoring extracts, emulsions, and other liquid flavors, total			39,461		25,064
Natural or true:					
In containers of 8 oz. or less	Gallon	986	10,588	3,627	20,186
In containers of more than 8 oz.	do.	1,338	12,209		
Imitation:					
In containers of 8 oz. or less	do.	936	4,780	1,579	4,160
In containers of more than 8 oz.	do.	1,692	10,984		
Flavoring extracts, emulsions, etc., kind not specified			900		718
Beverage bases	Gallon	10,142	48,488	n.a.	n.a.
Other flavoring agents, etc., n.e.c., total			222,561		n.a.
Concentrated fruit juice product	Gallon	5,801	15,554	1,676	1,560
Flavoring concentrates	Pound	2,570	6,231	n.a.	n.a.
Flavoring powders	do.	22,874	9,757	11,162	3,437
Flavoring pastes	do.	4,418	1,947	11,242	1,201
Flavoring sirups, except chocolate or caramel sirups	Gallon	116,722	141,104	n.a.	n.a.
Fruit, crushed or whole for fountain and ice cream use	do.	3,636	13,206	2,228	4,469
Food colorings			6,783		3,218
Other flavor agents, etc., n.e.c., and not reported in detail			27,979	n.a.	n.a.
Flavoring, kind not specified			15,300		1,747
Vinegar and cider, total ¹²			21,116		12,910
Vinegar, fermented	40 grain gal.	39,850	8,258	61,056	6,785
Vinegar, distilled ¹¹	100 grain gal.	40,899	8,151	45,984	4,508
Vinegar stock and semifinished vinegar ¹³	Gallon	7,948	966	12,618	1,617
Cider	do.	11,629	3,262		
Vinegar and cider, kind not specified			479		

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Production	
		Quantity	Value l.o.b. plant	Quantity	Value l.o.b. plant
Manufactured ice, total			\$264,326	\$32,319	\$122,594
Can or block	Ton	39,967	220,582		
Transfers for use by same company	do	3,867	17,737		
Sales	do	36,100	202,845		
Cubed, crushed, or processed ice					
Transfers for use by same company	do	1,782	-17,593	n.a.	n.a.
Sales	do	100	1,074		
Ice, not specified by kind	do	1,682	16,519		
Transfers for use by same company			26,151		
Sales			480		
			25,671		
Macaroni, spaghetti, etc., total			111,187		45,867
Macaroni, spaghetti, vermicelli, and other macaroni products	Pound	692,891	85,805	572,024	35,182
Noodle products	do	125,484	24,108	112,367	10,685
Macaroni and noodles, kind not specified			1,274		
Desserts, ready-to-mix, total			79,638		21,588
Corn starch base	Pound	291,568	30,257	n.a.	3,023
Gelatin base	do	132,486	44,568	n.a.	18,565
Other and base not specified ¹⁰	do	142,647	4,813	n.a.	
	do	16,435			
Potato chips	do	155,983	79,221	58,243	14,820
Sweetening sirups and molasses, mixed or blended, total			91,491	371,019	19,240
Containing corn sirup	do	1,053,297	65,096	n.a.	n.a.
Not containing corn sirup	do	788,934	26,395	n.a.	n.a.
	do	264,363			
Other food preparations, not elsewhere classified, total			1,041,883		n.a.
Chili con carne (except canned)	Pound	8,896	2,596	n.a.	2,286
Coconut, desiccated or shredded	do	32,165	12,580	n.a.	4,240
Ice cream cones and cups	Unit	3,194	13,071		4,743
Ground spices and meat seasoning			45,805		n.a.
Peanut butter	Pound	161,907	43,755	156,896	16,668
Pectin	do	10,557	7,773		2,801
Maple sirup, pure	Gallon	411	2,025	1,345	1,758
Roasted coffee	Pound	1,865,799	755,125	n.a.	n.a.
Corn chips	do	17,719	7,812	n.a.	n.a.
Other food preparations, not elsewhere classified ¹⁷			151,341		54,505
Miscellaneous foods, kind not specified			28,371		2,530

n.a.—Not available.

¹ Do not represent total production. See text on industry.

² Quantity of active dry yeast reported was converted to compressed yeast equivalent at the rate of 1 pound of active dry yeast to 2 pounds of compressed yeast.

³ Not including olive oil (see footnote 8).

⁴ Includes monoglycerides, hard butter, etc.

⁵ This figure is slightly less than total 1947 withdrawals of oleomargarine (740 million pounds) as reported by the Bureau of Internal Revenue. The difference is due largely to the fact that oleomargarine plants operated by meat-packing companies reported in the census for a fiscal year ending Nov. 1, 1947, rather than for the calendar year.

⁶ Revised.

⁷ Total includes a large amount of duplication because practically all crude corn oil is refined before consumption.

⁸ Not including approximately 20 million pounds refined and winterized for salad oil in establishments primarily engaged in the production of shortening, margarine, salad oil, or cooking oil, which is included in "Salad and cooking oil." More detailed information on corn oil is shown in the Census publication "Animal and Vegetable Fats and Oils."

⁹ Includes miscellaneous products such as steepwater concentrate, corn oil derivatives, and wheat gluten.

¹⁰ Not including the amount of these byproducts produced in dry process corn milling establishments. Such establishments accounted for about 13 percent of the total 1947 output of corn oil.

¹¹ Estimated in part.

¹² Production rather than shipments for 1947.

¹³ Gallons, grain not specified.

¹⁴ Includes production from purchased denatured alcohol as well as in plants using the vaporizing process.

¹⁵ Principally cider from culls.

¹⁶ Principally tapioca and rennet desserts.

¹⁷ Includes health foods, baked beans (not canned), chicory root, popcorn, peanut butter sandwiches, honey, bakers and confectioners supplies, etc.

Chapter II—TOBACCO MANUFACTURES

[Money figures in thousands of dollars]

Product	1947			1939	
	Quantity	Value, excluding excise tax	Value, including excise tax	Quantity	Value, including excise tax
Cigarettes (millions of cigarettes).....	368,998	\$1,091,830	\$2,265,440	180,616	\$940,920
Cigars (millions of cigars).....	5,441	303,968	349,268	5,223	159,903
Chewing and smoking tobacco and snuff, total.....	237,768	159,869	202,495	343,956	218,355
Smoking tobacco (M lbs.).....	104,120	66,242	84,483	192,532	128,751
Fine cut smoking and chewing tobacco (M lbs.).....	3,879	2,630	3,327	13,668	9,302
Scrap chewing (M lbs.).....	42,217	25,895	33,447	42,173	20,376
Twist chewing (M lbs.).....	5,157	4,624	5,603	6,602	4,090
Plug chewing (M lbs.).....	47,280	26,896	35,084	51,034	27,660
Snuff (M lbs.).....	35,115	28,605	35,644	37,947	28,176
Other products (snuff flour, chewing and smoking tobacco, not specified by kind, etc.).....		4,977	5,007		
Leaf tobacco, stemmed and redried, total ¹		918,450	918,450		
Redried, but not stemmed (M lbs. packed weight basis), total.....	795,278	454,913	454,913		
For sale.....	192,779	100,428	100,428	n.a.	n.a.
For own use in another establishment.....	602,499	354,485	354,485		
Stemmed (M lbs. packed weight basis).....	614,323	460,856	460,856		
Other products (primarily scrap filler for cigars).....		2,681	2,681		

n.a.—Not available.

¹ Does not include tobacco stemmed or redried in establishments primarily engaged in manufacturing cigarettes, cigars, and chewing and smoking tobacco and snuff.

Chapter III—TEXTILE MILL PRODUCTS

COTTON MANUFACTURES; RAYON AND RELATED MANUFACTURES

TABLE A.—YARNS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947					1939				
	Production			Shipments of sale yarn ¹		Production				
	Total (pounds)	Made from own materials (pounds)	Made on com- mission (pounds)	Pounds	Value f.o.b. plant	Total (pounds)	Made from own materials (pounds)	Made on com- mission (pounds)	Yarns made for sale	
									Pounds	Value
Yarns thrown, total	144,111	86,136	57,975	8,503	\$14,257	² 113,956	² 77,594	36,362	14,986	\$33,434
Weaving yarns.....	118,221	82,268	35,953	4,341	7,392	² 75,962	² 58,326	17,636	4,932	4,998
Rayon filament.....	104,762	74,582	30,180	2,239	2,651	² 69,123	² 54,863	14,260	4,225	2,861
Other weaving yarns.....	13,459	7,686	5,773	2,102	4,741	² 6,839	² 3,463	² 3,376	² 707	² 2,137
Machine-knitting yarns.....	25,890	3,868	22,022	4,162	6,865	37,994	19,268	18,726	10,054	28,436
Rayon filament.....	5,900	1,869	4,031	2,353	3,073	2,316	1,698	618	1,017	950
Nylon filament.....	17,026	761	16,265	347	999					
Other machine-knitting yarns.....	2,964	1,238	1,726	1,462	2,793	² 35,678	² 17,570	² 18,108	² 9,037	² 27,466
Yarns-spun on silk system	2,368	1,580	788	1,584	3,379	2,191	2,191		2,191	4,498
Yarns spun on cotton system, total	4,013,576			821,110	644,088	3,213,940			565,008	159,331
Carded cotton yarns.....	3,343,499			559,733	365,314	2,761,963			399,266	88,042
Weaving yarns (other than carpet).....	2,677,576			271,744	182,760	2,412,448			199,511	46,848
Carpet yarns.....	45,261			34,782	19,647	(³)			15,183	2,779
Machine-knitting yarns.....	198,832			165,875	114,952	171,687			124,053	27,895
Tire cord yarns.....	³ 301,349			1,501	990	(³)			(³)	(³)
Cordage, rope, and twine yarns.....	⁶ 12,435			5,114	2,782	(³)			(³)	(³)
Sewing-thread yarns.....	3,145			2,604	1,623	5,950			4,908	1,316
All other carded cotton yarns.....	104,901			78,213	42,560	171,878			45,611	9,204
Combed cotton yarns.....	437,918			223,524	236,047	361,431			163,035	64,284
Weaving yarns.....	225,837			58,467	64,467	182,617			20,784	8,512
Machine-knitting yarns.....	141,947			127,313	132,110	116,148			106,539	37,716
Sewing-thread yarns.....	45,814			21,733	26,234	42,014			19,653	9,752
Combed yarns for crochet, darning, embroidery, and hand-knitting.....	7,605			2,188	1,909	20,652			16,059	8,304
All other combed cotton yarns.....	16,715			13,823	11,327					
All other yarns spun on cotton system.....	232,159			37,853	42,727	90,546			12,707	7,005
100% spun rayon yarns.....	160,516			19,906	17,316	69,540			6,520	3,045
Cotton-rayon mixed or blended yarns.....	21,188			4,838	4,555					
Chiefly cotton.....	15,813			3,978	3,937					
Chiefly rayon.....	5,375			860	618	21,006			6,187	3,960
Cotton-wool mixed or blended yarns.....	9,003			2,935	4,241					
All other mixed fiber yarns.....	41,452			10,174	16,615					

PRODUCT	1947			1939
	Shipments			Production for sale
	Total	To affiliated plants	Sale yarn	
All yarns, spun and thrown, except woolen and worsted.....	\$824,402	\$194,816	\$629,586	\$197,262

PRODUCT	1947						
	Production, by yarn count (pounds)						
	Total	20's and under	Over 20's to 40's	Over 40's to 60's	Over 60's to 80's	Over 80's to 100's	Over 100's
Spun yarns, cotton-system and silk-system, total	3,972,295	2,491,302	1,284,035	156,903	18,155	16,509	5,391
Yarns produced for own use	3,284,727	2,098,660	1,039,868	121,026	9,341	10,890	4,942
Carded cotton.....	2,829,496	1,635,743	840,022	49,381	41		4,309
Combed cotton.....	243,806	34,596	119,013	69,710	8,964	10,590	633
Spun rayon.....	135,813	77,884	56,583	1,010	336		
All other yarns.....	75,612	50,437	24,250	925			
Yarns produced for sale	687,568	392,642	244,167	35,877	8,814	5,619	449
Carded cotton.....	466,698	346,843	116,727	3,128			
Combed cotton.....	188,218	26,986	115,034	-31,377	8,753	5,619	449
Spun rayon.....	16,253	5,767	9,833	592	61		
All other yarns.....	16,399	13,046	2,573	⁷ 780	(⁷)		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE B.—THREAD—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947			1939		
	Production (pounds)	Shipments and interplant transfers		Total (pounds)	Production	
		Pounds	Value		Pounds	Value
						Made for sale
Pounds	Value	Pounds	Value			
Thread, total.....	68,032	68,853	\$139,682	51,450	51,396	\$49,067
For consumption in the home.....	18,186	18,456	45,254	13,820	13,820	18,039
Cotton sewing thread.....	6,295	6,639	23,553	13,634	13,634	n.a.
Cotton crochet, darning, embroidery, and hand-knitting threads.....	11,753	11,686	21,049	186	186	n.a.
Other threads for home consumption.....	138	131	652			
For industrial or manufacturer's use (excluding linen and hemp threads).....	49,846	50,397	94,428	37,630	37,576	31,028
Sewing and other threads, except industrial weight goods and braided threads.....	43,117	43,186	85,512	n.a.	n.a.	n.a.
Cotton.....	41,367	41,478	76,816			
All other.....	1,750	1,708	8,696			
Industrial weight goods and braided threads *.....	6,729	7,211	8,916			

TABLE C.—BROAD WOVEN FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947					1939			
	Production			Shipments of unfinished goods		Production			
	Pounds	Square yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Square yard	Linear yard	Value
Cotton broad woven goods over 12 inches in width, total.....	3,616,085	¹⁰ 10,807,249	¹⁰ 9,816,769	¹⁰ 9,680,141	\$3,109,784	2,575,977	9,044,979	8,420,748	\$744,469
Cotton duck and allied fabrics (including combed duck), total.....	195,093	¹¹ 235,720	¹¹ 206,415	¹¹ 208,886	137,546	¹¹ 142,102	¹¹ 184,448	¹¹ 173,979	¹¹ 31,602
Ounce duck.....	97,614	163,815	155,398			81,415	134,836		
Army duck (including shoe duck, wide army duck, and plied warp and filling awning stripes).....	27,128	43,033	42,554			22,332	34,972		
28 1/2-inch, 8-oz. basic weight—all widths.....	14,721	22,907	24,589						
28 1/2-inch, 10- and 12-oz. basic weight—all widths.....	2,499	3,132	3,239			n.a.	n.a.		
All other army duck constructions, including shelter tent.....	9,908	16,994	14,726						
Flat duck (including enameling duck and single-yarn awning stripes).....	70,486	120,782	112,844			59,083	99,864		
Single filling.....	50,852	84,038	80,196			34,585	56,949		
29-inch, 8-oz. basic weight—all widths.....	17,739	28,835	33,055						
29-inch, 10- and 12-oz. basic weight—all widths.....	4,768	5,785	6,061			n.a.	n.a.		
38-inch, 8-oz. basic weight—all widths.....	803	1,689	1,471						
All other single filling flat duck constructions.....	27,542	47,729	39,609						
Double filling.....	19,634	36,744	32,648			24,498	42,915		
29-inch, 8-oz. basic weight—all widths.....	2,975	5,124	4,881						
29-inch, 10- and 12-oz. basic weight—all widths.....	1,472	1,832	2,067			n.a.	n.a.		
38-inch, 8-oz. basic weight—all widths.....	9,909	19,896	¹² 18,030						
All other double filling flat duck constructions.....	5,278	9,892	7,670						
Numbered duck (including narrow, sail, wide, and naught).....	28,377	23,202	17,296			31,774	26,248		
12/0 to 3/0—all widths.....	¹³ 1,628	¹³ 537	408						
2/0 to no. 12, 24-inch and narrower.....	1,034	759	1,213						
2/0 to no. 4, inclusive, wider than 24-inch.....	3,766	2,575	1,821			28,105	24,964		
No. 5 to no. 8, inclusive, wider than 24-inch.....	9,619	8,481	6,381						
No. 9 to no. 12, inclusive, wider than 24-inch.....	8,383	9,555	7,068						
Paper felts.....	3,967	1,285	405			3,669	1,284		
Hose and belting ducks.....	55,803	42,172	27,836			24,688	19,062		
Filter cloth (including filter twills and special constructions for filtration purposes).....	6,539	6,531	5,885			4,225	4,302		
Laundry netting.....	6,760			¹⁴ 6,783	4,899	(¹⁵)			

See footnotes at end of table.

TEXTILE MILL PRODUCTS

TABLE C.—BROAD WOVEN FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947					1939			
	Production			Shipments of unfinished goods		Production			
	Pounds	Square yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Square yard	Linear yard	Value
Cotton broad woven goods over 12 inches in width—Continued									
Sheeting and allied coarse and medium yarn fabrics, total	1,079,953	3,612,383	3,038,975	2,978,201	\$851,518	750,972	2,589,570	2,142,508	\$179,261
Narrow sheeting and allied coarse and medium yarn fabrics, total	734,849	2,442,710	2,368,084			¹⁶ 482,305	¹⁶ 1,594,327	¹⁶ 1,585,033	¹⁶ 102,305
Osnaburgs (single yarn clean, tinged, and part waste—all widths)	92,126	254,126	268,321			89,508	232,315		
40-inch: 40 x 28, 2.05 yard; and 38 or 40 x 24 to 26, 2.11 yard	27,797	64,203	57,790						
40-inch: 32 x 28, 3.55 yard; and 26 or 32 x 24 to 26, 3.65 yard	16,421	65,628	59,071						
36-inch: 40 x 28, 7-ounce; and 38 or 40 x 24 to 26, 2.35 yard	8,349	19,372	¹² 19,372			n.a.	n.a.		
36-inch: 32 x 28, 2.85 yard; and 32 x 26, 2.95 yard	14,709	42,635	42,635						
30-inch: 40 x 30, 7-ounce; and 38 or 40 x 26, 2.35 yard	6,852	13,242	15,897						
All other osnaburg constructions	17,998	49,046	73,556						
Under 42 inches wide	8,482	23,776	56,928						
42 inches and wider	¹³ 9,516	¹³ 25,270	16,628						
Sheetings, narrower than 42 inches	365,267	1,398,205	1,304,637			¹⁷ 236,456	¹⁷ 968,320		
Soft filled sheeting for napping	21,699	81,947	73,322						
Class A (average yarn numbers up to 15's, inclusive)	86,208	257,812	242,263						
40-inch: 48 x 48 and 48 x 44, 2.85 yard	31,265	98,962	¹² 89,075						
36-inch: 48 x 48 and 48 x 44, 2.85 yard	24,625	70,158	70,158						
40-inch: 48 x 48 and 48 x 44, 2.50 yard	10,674	29,646	26,684						
All other class A constructions	19,644	59,046	56,346						
Class B (average yarn numbers, 16's to 21's, inclusive)	173,054	715,501	663,581						
40-inch: 48 x 44 and 48 x 40, 3.25 yard	22,708	81,911	73,727						
40-inch: 48 x 44 and 48 x 40, 3.75 yard	73,796	319,548	287,622						
40-inch: 44 x 40, 4.25 yard	14,997	70,904	63,821						
37-inch: 48 x 48 and 48 x 44, 4.00 yard	23,012	94,625	92,048						
31-inch: 48 x 48 and 48 x 44, 5.00 yard	6,476	27,877	32,378			n.a.	n.a.		
All other class B constructions	¹³ 32,065	¹³ 120,636	113,985						
Class C (average yarn numbers above 21's)	84,306	342,945	325,471						
40-inch: 64 x 68 and 64 x 64, 3.15 yard	7,276	25,500	¹² 22,952						
40-inch: 60 x 56/60 x 52 and 56 x 60/56 x 56, 3.60 yard	15,101	60,348	54,319						
40-inch: 56 x 48, 4.30 yard	7,852	37,441	33,700						
36-inch: 64 x 68 and 64 x 64, 3.50 yard	2,436	8,517	8,517						
36-inch: 60 x 56/60 x 52 and 56 x 60/56 x 56, 4.00 yard	10,107	40,428	40,428						
36-inch: 48 x 44/48 x 40 and 44 x 44/44 x 40, 5.50 yard	6,599	36,257	36,257						
36-inch: 44 x 40 and 40 x 40, 6.05 to 6.15 yard	4,464	27,218	27,218						
All other class C constructions	¹³ 30,471	¹³ 107,236	102,080						
Carded poplins	14,308	40,729	37,446			(¹⁵)	(¹⁵)		
Drills	85,028	244,834	250,725			¹⁷ 91,883	¹⁷ 225,157		
30-inch, high count, above 120, 2.50 yard	1,396	29,072	34,900						
30-inch, low count, 120 and below, 2.50 yard	832	17,335	20,810			n.a.	n.a.		
All other drills under 42 inches wide	82,800	198,427	195,015						
Jeans (plain and herringbone)	23,777	¹³ 68,208	65,842			26,808	78,409		
Three-leaf pocketing twills and silesias (sheeting yarns)	17,757	55,926	51,357			(¹⁵)	(¹⁵)		
Four-leaf twill fabrics	67,689	140,734	137,652			¹⁷ 27,922	¹⁷ 58,266		
8.2-ounce carded uniform twill, type IV	9,107	16,466	¹² 14,485						
All other four-leaf twills (including four-leaf herringbones)	58,582	124,268	123,167			n.a.	n.a.		
32 inches and narrower	10,400	18,832	22,630						
Over 32 inches but less than 42 inches	48,182	105,436	100,537						
Sateens (sheeting yarns)	10,794	22,197	22,268			¹⁸ 4,454	¹⁸ 10,916		
Gabardines (carded)	5,335	10,851	9,575			(¹⁵)	(¹⁵)		
Birdseye diaper cloth	18,312	60,335	82,905			5,274	20,944		
All other narrow sheeting and allied coarse and medium yarn fabrics	34,456	146,565	137,356			(¹⁹)	(¹⁹)		
Wide sheeting and allied coarse and medium yarn fabrics	345,104	1,169,673	670,891			²⁰ 268,667	²⁰ 995,243	²⁰ 557,475	²⁰ 76,956
Bed sheetings (42 inches and wider) ²¹	204,151	701,401	337,877			²⁰ 160,616	²⁰ 579,556		
Carded percales	11,555	42,942	21,599						
Muslin	192,596	658,459	316,278						
Sley of more than 64	85,655	262,036	134,742			n.a.	n.a.		
64 sley	76,595	263,834	125,540						
Sley of less than 64	30,346	132,589	55,996						

See footnotes at end of table.

TABLE C.—BROAD WOVEN FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947					1939			
	Production			Shipments of unfinished goods		Production			
	Pounds	Square yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Square yard	Linear yard	Value
Cotton broad woven goods over 12 inches in width—Continued									
Sheeting and allied coarse and medium yarn fabrics—Continued									
Wide sheeting and allied coarse and medium yarn fabrics—Continued									
Wide fabrics for industrial and all other uses, except bed sheetings	140,953	468,272	333,014			²⁰ 108,051	²⁰ 415,687		
Sheetings (42 inches and wider)	81,960	333,691	239,768			²⁰ 68,139	²⁰ 315,815		
Soft filled sheeting for napping	19,673	52,486	39,271						
Single yarn	12,981	37,177	¹² 30,883						
Plied yarn	6,692	15,309	¹² 8,388						
Class A (average yarn numbers up to 15's, inclusive)	24,648	63,296	¹² 46,662			n.a.	n.a.		
Class B (average yarn numbers, 16's to 21's, inclusive)	8,590	35,875	24,350						
Class C (average yarn numbers above 21's)	29,049	182,034	129,485						
Drills (42 inches and wider)	20,102	56,161	37,679			²⁰ 8,205	²⁰ 25,829		
Four-leaf twill fabrics	14,153	27,026	19,361			²² 8,508	²² 19,501		
Sateens (sheeting yarns)	20,490	37,214	25,006			²³ 16,231	²³ 33,393		
Pillow and industrial tubing	4,248	14,180	11,200			6,968	21,149		
Print cloth yarn fabrics (carded yarns approximately 28's to 42's, total)	496,395	3,479,403	3,229,025	3,235,164	\$471,054	²¹ 494,774	²¹ 3,140,234	²¹ 2,999,356	²¹ \$128,312
Window shade cloth	29,402	177,393	151,481			(¹⁵)	(¹⁵)		
Plain print cloths (total threads per square inch 180 to 100)	250,344	1,258,505	1,161,914			321,351	1,695,751		
39-inch, 80 x 80, 4.00 yard	75,125	325,442	300,501						
39-inch, 68 x 72, 4.75 yard	28,746	147,545	136,238						
39-inch, 68 x 64, 4.85 yard	22,303	117,256	108,270			(²⁵)	(²⁵)		
38½-inch, 64 x 60, 5.35 yard	15,282	87,365	81,727						
38½-inch, 64 x 56, 5.50 yard	20,067	117,868	110,260						
38½-inch, 60 x 48, 6.25 yard	11,146	74,474	69,667						
All other constructions	77,675	388,555	355,251			321,351	1,695,751		
Under 36 inches	5,433	30,773	30,171			18,264	113,770		
36 inches and wider	72,242	357,782	¹² 319,080			²⁶ 303,087	²⁶ 1,581,981		
Fancy print cloths	20,540	88,032	84,518			28,535	112,818		
Pajama checks	3,354	14,788	14,470			3,215	13,715		
Gauze diaper cloth	7,490	29,635	26,325			(¹⁵)	(¹⁵)		
All other fancy print cloth	9,696	43,609	43,723			25,320	99,103		
Bandage and cheesecloth (total threads per square inch, 90 to 72)	16,232	142,909	¹² 131,218			(¹⁵)	(¹⁵)	(¹⁵)	(¹⁵)
Tobacco cloths (total threads per square inch, 71 and under)	66,597	1,365,565	1,265,114			²⁷ 44,476	²⁷ 893,001		
All widths, 20 x 12 construction	18,816	440,941	428,521			n.a.	n.a.		
All widths, 17/18 sley x 12/14 pick	20,289	513,094	463,373						
All other constructions	27,492	411,530	373,220						
Carded broadcloths (all widths)	62,743	255,060	245,532			65,627	295,269		
100 x 60	15,440	62,919	61,199						
80 x 60	9,523	46,290	44,711			n.a.	n.a.		
All other constructions (including slub yarns)	37,780	145,851	139,622						
Carded poplins (print cloth warp yarn, including slub yarns)	34,153	125,659	120,004			(¹⁵)	(¹⁵)	(¹⁵)	(¹⁵)
Three-leaf twills (print cloth yarns)	10,541	40,031	46,706			23,080	91,798		
All other print cloth yarn constructions	5,843	26,249	22,538			11,705	51,597		
Napped cotton fabrics, blankets, and blanketings, total	197,350	582,963	502,393	480,056	166,764	179,827	542,022	451,414	54,563
Outing flannels	55,535	220,023	226,536			²⁸ 66,809	²⁸ 261,777		
Work shirt flannels	16,056	45,398	43,833			24,020	43,512		
Canton flannels	34,792	59,494	60,115	401,987	110,099	(²⁹)	(²⁹)	360,382	30,663
Interlining flannels	10,542	43,943	38,538			(²⁵)	(²⁵)		
All other napped fabrics, except blankets	23,691	71,637	59,232			22,590	65,670		
Crib blankets (including all fibers)	8,431	17,866	15,915	15,644	9,534	5,927	11,904	10,751	2,715
Blankets and blanketings (other than crib)	48,303	124,602	58,224			60,481	159,159	80,281	21,185
All cotton	28,980	72,692	36,779	36,626	29,150	46,071	126,669	63,914	15,852
Part wool (less than 25% wool)	19,323	51,910	¹² 21,445	25,799	17,981	14,410	32,490	16,367	5,333
Colored yarn fabrics, total	304,537	707,269	751,749	720,320	268,077	³⁰ 270,674	³⁰ 626,189	³⁰ 683,659	³⁰ 75,025
Denims, clothing (basis 28-inch width)	151,047	260,166	309,974			116,051	192,314		
1.60 yd. and 2.00 yd.	31,512	49,081	55,226						
2.20 yd.	108,476	186,064	228,833						
All other clothing denims	11,059	25,021	27,915						
Cottonades and suiting coverts	12,226	26,416	26,991			24,923	52,729		
Pin stripes, pin checks, hickory stripes, etc.	14,598	27,752	30,801			(³¹)	(³¹)		
Whipcords and bedford cords	9,999	18,379	16,787			(¹⁵)	(¹⁵)	(¹⁵)	(¹⁵)
Shirting coverts (twill and plain weave)	8,265	26,827	25,970			21,657	74,951		
Chambrays and colored yarn shirtings (carded yarns)	35,267	137,393	140,803			²² 24,488	²² 90,988		
36-inch, 3.90 yd.	13,756	53,738	53,738			n.a.	n.a.		
All other carded yarn chambrays and shirtings	21,511	83,655	87,065						
Ginghams, checks, and plaids (excluding combed)	10,978	49,450	49,517			7,629	33,797		
Seersuckers (all weights, except combed and fine carded), stripes, checks, and plaids	2,655	8,517	8,395			1,214	4,539		

See footnotes at end of table.

TABLE C.—BROAD WOVEN FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947					1939			
	Production			Shipments of unfinished goods		Production			
	Pounds	Square yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Square yard	Linear yard	Value
Cotton broad woven goods over 12 inches in width—Continued									
Colored yarn fabrics—Continued									
All other carded suiting woven with colored yarns	12,718	33,748	29,039			44,824	104,398		
All cotton	4,775	10,310	8,866						
Cotton and rayon (51% or more cotton) and cotton and wool mixtures (less than 25% wool by weight)	7,943	23,438	12,073			n.a.	n.a.		
Bed tickings (woven)	46,784	118,421	113,472			29,588	72,473		
Jacquard woven	5,535	12,365	8,856			n.a.	n.a.		
Other than Jacquard woven	41,249	106,056	104,616						
Fine cotton goods, combed, part combed, and fine carded, total	372,503	1,370,934	1,224,946	1,215,496	\$426,526	176,004	1,085,057	1,036,206	\$94,044
Broadcloths (combed and part combed)	41,678	169,200	160,919			47,526	202,352		
37-inch, 136 x 60	17,917	72,480	70,496			n.a.	n.a.		
All other combed and part combed broadcloth	23,761	96,720	90,423						
Dimities	2,568	22,967	21,627			4,165	27,566		
Fancy handkerchief fabrics	3,508	22,298	21,045						
Dobby	2,950	18,413	17,405			(34)	(34)		
Box	558	3,885	3,640						
Lawns and organdies (combed and part combed)	20,076	159,112	142,625			24,614	217,687		
40-inch, 96 x 100, 8.75 yd	2,039	15,311	13,782						
40-inch, 76 x 72, 9.00 yd	5,006	50,106	45,100			n.a.	n.a.		
All other combed and part combed lawns	13,031	93,695	83,743						
Lawns (all carded)	354	2,887	12,783			(34)	(34)		
Marquisettes (all combed and part combed)	29,580	275,923	235,092			30,487	311,701		
Plain	7,999	86,804	12,73,406			5,678	64,084		
Dobby (beat-up)	2,253	23,639	20,390			5,712	67,870		
Box loom	19,128	165,480	141,296			19,097	179,747		
Oxfords (combed and fine carded—carded average yarn finer than 35's)	13,533	49,954	46,170			35 4,306	35 13,552		
Piques (combed and fine carded)	6,101	22,215	20,195			35 1,258	35 5,020		
Poplins (combed)	14,237	40,140	38,542			35 4,290	35 14,609		
Sateens (combed and part combed)	10,416	32,858	28,702			2,230	8,450		
Sateens, carded (average yarn finer than 35's)	11,044	52,156	45,132			(34)	(34)		
Sheetings, combed (including bedsheeting)	10,683	37,722	19,413			(34)	(34)		
Shirtings, Jacquard, gray-dobby and colored yarn (combed, part combed, and fine carded, not included above)	128,698	132,209	121,614			35 20,775	35 94,162		
Twills, combed	16,988	41,847	34,880			13,505	28,306		
Gabardines, combed	3,178	8,400	6,486			n.a.	n.a.		
All other combed twills	13,810	33,447	12,894						
Twills, carded (average yarn finer than 35's)	2,551	10,379	9,101						
Tracing cloth	3,149	24,422	21,812			(34)	(34)		
Typewriter ribbon cloth	1,026	5,715	5,118						
Voiles	4,470	42,636	39,013			7,307	70,010		
Dotted swiss	2,390	19,560	18,333						
Seersuckers	1,743	7,062	6,426			(34)	(34)		
All other combed, part combed, and fine carded fabrics (average carded yarn finer than 35's)	47,910	199,672	186,404			15,539	91,642		
Towels, towelings, and dishcloths, total	127,069	252,243	408,606	402,565	116,336	36 114,144	36 245,035	36 482,641	36 38,722
Turkish and terry-woven (including washcloths and bath mats)	91,820	168,275	243,380			77,286	152,389		
Huck, damask, and Jacquard-woven (other than terry)	10,997	26,827	52,163			14,868	37,249		
Dish towels, other twill and plain-woven towels (including all cotton, part linen, and part rayon), and dishcloths	24,252	57,141	113,063			36 21,990	36 55,397		
Other woven cotton fabrics and specialties, total	252,289	466,889	367,024	354,827	277,700	177,690	386,134	37 317,487	37 83,159
Bedsread fabrics, woven style (all cotton or cotton warp)	32,203	73,889	31,718			21,646	60,083		
Bedsreads, Jacquard woven	21,785	40,391	16,846			n.a.	n.a.		
Bedsreads, not Jacquard woven	10,418	33,498	14,872						
Drapery, upholstery, and tapestry fabrics (all cotton and chiefly cotton)	99,365	164,037	127,450			65,237	146,191		
Jacquard-woven (including combed)	40,110	60,358	47,593						
Other than Jacquard (including combed)	59,255	103,679	79,857			n.a.	n.a.		
Colored yarn fabrics	24,644	40,516	31,831						
Without colored yarn	34,611	63,163	48,026						
Luggage fabrics	1,196	2,736	2,583			(15)	(15)	(15)	(15)
Auto seat cover cloth	8,976	17,225	14,316			(15)	(15)	(15)	(15)
Corduroys	40,964	70,131	65,693			23,657	38,630		
Women's wear weights, carded	16,703	33,719	30,988						
Women's wear weights, combed	2,145	4,768	4,705			n.a.	n.a.		
Men's wear weights, 36-inch, 12- to 13-ounce	7,220	9,719	9,283						
All other men's wear corduroys	14,626	21,925	20,717						
Velvets, velveteens, plushes, and other pile fabrics (including combed)	24,886	32,941	24,350			30,200	35,587		
All cotton	4,906	10,004	8,922			n.a.	n.a.		
Part cotton	19,980	22,937	15,428						
Table damask, cloths, covers, and napkins	12,670	35,123	29,907			4,909	13,301		
All other carded cotton fabrics over 12 inches wide	32,029	70,807	71,007			32,041	92,342		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE C.—BROAD WOVEN FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947					1939			
	Production			Shipments of unfinished goods		Production			
	Pounds	Square yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Square yard	Linear yard	Value
Other cotton mixtures and blends, total	25,635	99,445	87,636	84,626	\$30,841	9,317	37,400	n.a.	n.a.
Carded cotton-and-rayon fabrics, except suitings.....	19,712	75,856	68,648			6,609	16,342	(37)	(37)
Combed cotton-and-rayon fabrics, except suitings.....	5,923	23,589	18,988			2,708	21,058	(34)	(34)
Tire cords and tire fabrics, total	565,261			568,174	363,422	²⁸ 260,473	²⁸ 208,890	²⁸ 133,498	²⁸ \$59,781
Cotton.....	350,685					260,473	208,890	133,498	59,781
Tire cords (not woven).....						97,084			21,995
Tire cord fabrics (woven).....	285,076					145,969	184,051		
Chafar fabrics (single and ply).....						10,536	14,866	133,498	
All other tire fabrics.....	65,609	97,264	63,153			6,884	9,973		37,786
Rayon and other	214,576								
Tire cords (not woven).....	25,638								
All other tire fabrics, including woven tire cord fabrics.....	188,938					(29)	(29)	(29)	(29)

PRODUCT	1947					1939				
	Total	Production			Made on commission	Shipments of unfinished goods		Production		
		Linear yard	Pounds	Square yard		Linear yard	Linear yard	Value f.o.b. plant	Pounds	Linear yard
Rayon and related broad woven fabrics (over 12 inches in width), total	2,038,508			1,803,674	234,834	1,863,792	\$853,607	346,899	1,410,097	\$306,947
100 percent filament rayon fabrics	1,236,805			1,047,039	189,766	1,095,481	446,193	226,601	998,075	¹⁰ 236,886
Flat fabrics (producers' twist in warp and filling).....	652,252			531,571	120,681			137,962	626,070	
Bright viscose taffetas.....	50,828	7,560	42,506	37,902	12,926					
Pigment viscose taffetas.....	103,706	16,901	100,075	87,508	16,198			57,567	294,768	
Acetate taffetas.....	76,516	11,893	63,407	54,519	21,997					
Cross-dyed taffetas.....	13,281			7,450	5,825					
Jersey weaves.....	5,559			5,495	64			(41)	(41)	
Sharkskins.....	15,530	4,164	15,674	13,169	2,361			(41)	(41)	
Twill and serges.....	169,325	36,432	171,534	148,595	20,730			27,167	128,553	
Viscose satins.....	26,331			22,841	19,609			33,362	135,957	
Acetate satins.....	142,254	27,778	137,087	113,772	28,482			19,866	66,792	
All other flat fabrics.....	48,922	10,661	49,915	43,546	5,376					
Twisted yarn fabrics (more than producers' twist in warp and/or filling).....	584,553	121,493	672,307	515,468	69,085			88,639	372,005	
Creme satins (including voile filled).....	28,288	8,489	37,094	26,470	1,788			7,215	26,627	
Flat, faille, and canton crepes.....	111,964	22,036	120,377	93,689	18,275			39,209	158,540	
French crepes (voile twist filling).....	119,856	23,895	146,553	108,321	11,535					
Plied yarn fabrics.....	164,815	46,652	199,514	151,269	13,546			32,992	124,875	
Plain weaves.....	118,393	30,477	138,917	105,780	12,613			32,992	124,875	
Rancy weaves.....	¹¹ 46,422	16,175	60,597	45,489	933			(41)	(41)	
Marquisettes (leno weaves).....	57,959	7,371	69,940	55,459	2,500			2,469	19,974	
Nimons and voiles (voile twist warp and filling).....	39,082	3,654	34,445	28,289	10,793			6,754	41,989	
Other sheers (georgettes, triple sheers, etc.).....	49,896	6,552	51,510	40,899	8,997			(41)	(41)	
All other twisted yarn fabrics.....	12,723	2,844	12,874	11,072	1,651					
100 percent spun rayon fabrics.....	332,451	110,627	388,692	328,967	3,484	311,400	118,234	50,118	176,677	(42)
Twill (including serges, gabardines, etc.).....	¹² 86,429	31,933	101,911	85,041	1,388					
Challis.....	¹² 59,974	16,174	66,610	59,093	881			n.a.	n.a.	
Linen type and flakes.....	25,672	8,325	29,312	25,666	6					
Plied yarn fabrics (suitings, shirtings, etc.).....	¹² 55,860	21,804	70,019	55,834	26					
Other 100% spun rayon fabrics.....	¹² 104,516	32,391	120,840	103,333	1,183			6,713	22,749	(40)
Filament-and-spun rayon fabrics.....	178,982	51,504	193,648	162,590	16,392	195,474	79,038			
Ribbed and corded fabrics (poplins, failles, bengalines, etc.).....	67,350	19,997	67,086	55,026	12,324					
Shantungs (nub and slub).....	23,750	7,210	27,356	23,710	40			n.a.	n.a.	
Fujis.....	66,440	17,427	75,455	64,312	2,128					
Other filament-and-spun rayon fabrics.....	21,442	6,870	23,751	19,542	1,900					
Pile, upholstery, and tie fabrics (51 percent or more rayon) ⁽⁴³⁾	57,060	26,147	59,394	51,793	5,267	50,965	55,723	9,050	33,791	(42)
Velvets, plushes, and other pile fabrics.....	¹² 14,587	9,999	17,252	14,068	519			⁴³ 2,712	⁴³ 7,172	
Upholstery, drapery, and tapestry fabrics.....	¹² 21,273	11,644	26,369	19,694	1,579			⁴⁴ 2,112	⁴⁴ 7,800	
Tie fabrics (shaft and jacquard).....	21,200	4,504	15,773	18,031	3,169			4,226	18,819	
Yarn-dyed fabrics.....	13,282	2,691	8,125	10,978	2,303			n.a.	n.a.	
Other than yarn-dyed fabrics.....	7,918	1,813	7,648	7,052	866					
All other rayon mixtures and blends with other fibers.....	171,537		201,917	161,672	10,465	160,029	108,224	42,085	110,010	⁴⁵ 36,059
Rayon and wool (less than 25% wool).....	33,038	19,943	42,828	32,718	320					
Fabrics 51% or more rayon.....	138,499	51,957	159,089	128,354	10,145					
Filament rayon and cotton.....	55,279	21,749	58,705	50,361	4,918					
Spun rayon and cotton.....	¹² 48,380	20,384	57,360	48,039	321					
Rayon and other fibers.....	¹² 31,624	9,824	40,342	27,166	4,458					
Rayon elastic fabrics.....	3,236		2,682	2,788	448					
Nylon, silk, and other fabrics.....	61,673			52,213	9,460	50,443	46,195	12,332	68,795	34,002
100% nylon fabrics.....	21,881	3,382	24,509	19,433	2,448	19,698	14,200	(47)	(47)	(47)
100% silk fabrics.....	9,886			4,199	5,787	4,303	10,259	6,499	41,221	18,829
Silk mixtures (51% or more silk).....	414	77	406	332	82	451	545	5,833	27,574	15,173
All other woven fabrics.....	29,392	15,518	28,346	28,249	1,143	25,991	21,191	n.a.	n.a.	n.a.

See footnotes at end of table.

TEXTILE MILL PRODUCTS

27

TABLE D.—NARROW FABRICS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939
		Production		
		Quantity	Value	
Narrow fabrics, 12 inches and under in width, total			\$200,779	\$80,079
Elastic cotton fabrics (fabric content chiefly cotton)	Lin. yd.	530,723	23,247	16,065
Woven	do.	247,871		
1½ inches in width and under	do.	228,452		
Over 1½ inches up to 6 inches in width	do.	16,357	n.a.	n.a.
Over 6 inches in width	do.	3,062		
Braided	do.	282,852		
Elastic rayon fabrics (fabric content chiefly rayon)	do.	388,019	12,857	(4)
Woven	do.	93,985		
1½ inches in width and under	do.	80,119	n.a.	n.a.
Over 1½ inches in width	do.	13,866		
Braided	do.	294,034		
Cotton narrow fabrics (51 percent or more cotton)			91,639	29,486
Belting for wear on the person	Lin. yd.	84,774		
Belting, transmission and conveyor	Pound	2,390		
Tie tapes	Lin. yd.	1,000,106		
Zipper tapes	do.	588,947		
Venetian blind tape	do.	162,621		
Auto wind lace	do.	20,221	n.a.	n.a.
Electric insulating and vulcanizing tape	do.	522,915		
Spindle banding	do.	38,307		
Woven labels	Unit	913,203		
Shoe and corset laces	Pound	6,504		
Rick rack braid	Lin. yd.	211,177		
Other cotton narrow fabrics, woven and braided		n.a.		
Rayon narrow fabrics (51 percent or more rayon)			57,538	22,739
Woven labels	Unit	1,300,418		
Tapes, bindings, and ribbons	Lin. yd.	1,869,201		
Braids	Pound	1,331	n.a.	n.a.
Other rayon narrow fabrics		n.a.		
Narrow fabrics, other than cotton or rayon, woven and braided			4,572	11,789
Covered rubber thread	Pound	49 3,821	49 8,351	n.a.
Other narrow fabrics, not classified			2,575	n.a.

TABLE E.—FINISHING—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947				1939			
	Bleached and finished (linear yard)	Plain dyed and finished (linear yard)	Printed and finished		Bleached and finished (linear yard)	Dyed and finished (linear yard)	Printed and finished	
			Roller printed (linear yard)	Stencil, screen, and flock printed (linear yard)			Roller printed (linear yard)	Screen and flock printed (linear yard)
Cotton broad woven fabrics	3,616,001	1,757,386	1,536,899	34,170	2,174,352	1,431,938	1,374,126	69,649
Filament rayon broad woven fabrics	144,987	770,105	152,085	13,696	(5)	972,956	254,871	24,883
Spun rayon broad woven fabrics	18,682	238,262	93,840	8,756				
All other woven fabrics of synthetic fiber, synthetic fiber mixtures, or silk	35,197	410,567	70,264	14,250				
All other fabrics	132,975	770,871	26,606	3,977	n.a.	n.a.	n.a.	n.a.

PRODUCT	1947		ITEM	1947
	Bleached (pounds)	Dyed (pounds)		Value
Raw stock (3)	18,826	128,336	Value of finishing of own materials (3)	\$186,716
Yarns (3)	38,455	224,790	Receipts for contract finishing (3)	443,427

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE F.—MILL WASTE—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947		
	Produced and used in same plant (pounds)	Total shipments and interplant transfers	
		Quantity (pounds)	Value f.o.b. plant
Mill waste, total ^{53 55}	90,727	755,823	\$75,056
Cotton waste	87,757	603,874	60,846
Card strips	28,470	139,560	20,520
Comber noils	15,398	88,799	16,500
Other cotton waste	43,889	375,515	23,826
Cotton rags	1,057	14,178	1,811
Cotton bagging		12,790	602
Jute and burlap bagging		64,420	2,931
Cotton bale ties and buckles		42,728	487
Rayon and other synthetic fiber waste	1,913	17,833	2,160
Thread or yarn waste	1,850	15,371	1,560
New rags and clips	63	2,462	600
Other waste and refuse			6,219

¹ Made in own plant.² Data incomplete.³ Silk yarn only.⁴ Included in "All other carded cotton yarns."⁵ Excludes about 50 million pounds produced for own use, but not reported, by tire cord and fabric manufacturers, or produced by other yarn manufacturers who included this product under other types of yarn.⁶ Excludes about 28 million pounds produced for own use by cordage, rope, and twine manufacturers, who were not asked to report yarn production, or produced by other yarn manufacturers who included this product under other types of yarn.⁷ Excludes 187,760,000 pounds not reported by yarn count.⁸ "Over 60's to 80's" combined with "Over 40's to 60's" to prevent disclosing figures for individual companies.⁹ Principally cotton.¹⁰ Does not include laundry netting and tire cord and fabric.¹¹ Does not include laundry netting.¹² For difference between Census of Manufactures total and Facts for Industry series M15A, "Cotton broad woven goods," see text for Cotton Broad Woven Fabrics Industry.¹³ 30 percent or more estimated.¹⁴ Thousands of pounds.¹⁵ Included with "All other carded cotton fabrics over 12 inches wide."¹⁶ Does not include poplins, pocketing twills, silecias, and gabardines.¹⁷ 40 inches and narrower.¹⁸ Warp sateens, 40 inches and narrower.¹⁹ Included in other sheeting items.²⁰ Wider than 40 inches.²¹ 56 square and finer.²² All twills, wider than 40 inches.²³ Warp sateens, wider than 40 inches.²⁴ Does not include window shade cloth, gauze diaper cloth, bandage and cheesecloth, and carded poplins.²⁵ Included with "All other print cloth constructions, 36 inches and wider."²⁶ Includes plain print cloths.²⁷ 36 x 32 and lower.²⁸ Interlining flannels combined with outing flannels.²⁹ Included with "All other napped fabrics, except blankets."³⁰ Does not include whipcords and bedford cords.³¹ Included with "All other carded suiting woven with colored yarn."³² Includes chevlots.³³ Includes "Combed cotton and rayon fabrics, except suitings."³⁴ Included with "All other combed, part combed, and fine carded fabrics."³⁵ Combed and part combed.³⁶ Includes scrub and wiping cloths.³⁷ "Carded cotton and rayon mixtures" included in "Other woven cotton fabrics and specialties."³⁸ Cotton only.³⁹ Included with rayon fabrics in 1939.⁴⁰ Filament-and-spun rayon fabrics and 100 percent spun rayon fabrics included with 100 percent filament rayon fabrics.⁴¹ Jersey weaves, sharkskins, fancy weaves, and "All other twisted yarn fabrics" included with "All other flat fabrics."⁴² Included in other product groups according to fiber content.⁴³ Velvets only.⁴⁴ Includes 100 percent filament rayon only.⁴⁵ Fabrics containing 51 percent or more rayon by weight, without separation as to type of rayon used.⁴⁶ Includes velvets and necktie fabrics.⁴⁷ Not produced commercially in 1939.⁴⁸ Elastic rayon fabrics combined with rayon narrow fabrics.⁴⁹ Excludes covered rubber thread reported by establishments in rubber industries. See Rubber Products, rubber thread (bare and covered).⁵⁰ Includes linen.⁵¹ White finished included in "Dyed and finished."⁵² Data are to some extent incomplete.⁵³ No 1939 data available.⁵⁴ Excludes contract receipts by establishments classified in industries other than Finishing Cotton Textiles Industry.⁵⁵ Excludes mill waste produced in establishments other than yarn mills, thread mills, broad woven fabric mills, and finishing plants.

WOOLEN AND WORSTED MANUFACTURES

[All figures in thousands]

PRODUCT	1947				1939			
	Net shipments and interplant transfers		Production		Production			
	Pounds	Value f.o.b. plant	Total (pounds)	For own use (pounds)	Total (pounds)	For own use (pounds)	Made or sale	
							Pounds	Value f.o.b. plant
Scoured wool for sale.....	24,983	\$21,411			n.a.		n.a.	\$1,730
Other wool scouring and combing plant products, total.....		221,992						n.a.
Tops.....	131,847	194,343	316,868	159,970	207,628	108,932	6,746	5,326
Wool of the sheep.....	127,784	189,822	294,588	148,970	185,457	95,448	5,068	4,395
Rayon and other synthetic fiber.....	1,087	582	5,698	225	4,934	860	348	97
All other tops, including mohair.....	2,976	3,939	16,582	10,775	17,237	12,624	1,330	834
Noils.....	42,617	24,807	50,347	13,405	n.a.	n.a.	8,923	4,065
Wool of the sheep.....	38,103	23,755	47,542	12,724	26,287	6,679	7,621	3,589
Mohair.....	1,387	529	1,992	681	1,700	15	1,302	476
Rayon and other synthetic fiber.....	119	21	222		n.a.	n.a.	n.a.	n.a.
All other noils.....	3,008	502	591		n.a.	n.a.	n.a.	n.a.
Recovered wool grease.....	24,135	2,842			n.a.	n.a.	n.a.	n.a.
2 percent or less free fatty acids.....	9,908	1,265						
Over 2 percent free fatty acids.....	14,227	1,577						
Woolen and worsted yarns, total.....	166,466	343,076	591,937	447,062	486,943	393,805	77,194	86,293
Yarns spun on woolen system.....	20,724	32,687	338,189	309,603	298,708	281,324	9,480	7,586
Weaving, other than carpet and rug.....	14,514	23,112	310,240	290,622	266,859	256,921	4,447	3,519
Knitting.....	6,210	9,575	127,949	118,981	31,849	24,403	5,033	3,767
Machine.....	6,098	9,165	127,846	118,981	31,849	24,403	5,033	3,767
Hand.....	115	410	103		(?)	(?)	(?)	(?)
Yarns spun on Bradford system.....	115,014	236,640	189,220	94,129	140,833	81,585	54,165	59,942
Weaving.....	69,979	147,988	141,005	94,129	106,847	79,994	22,543	25,870
Knitting.....	45,035	88,652	48,215		33,986	1,591	31,622	34,072
Machine.....	35,231	67,847	38,514		29,269	1,591	27,473	29,395
Hand.....	9,804	20,805	9,701		4,717		4,149	4,677
Yarns spun on French system.....	30,728	\$73,749	64,528	42,035	47,402	30,896	13,549	\$18,765
Weaving.....	19,556	48,249	53,352	42,035	38,959	30,896	5,492	7,780
Knitting.....	11,172	27,500	11,176		8,443	(4)	8,057	10,985
Machine.....	9,948	23,735	9,900		8,127	(4)	7,741	10,589
Hand.....	1,226	3,765	1,276		316	(4)	316	396

PRODUCT	1947				1939			
	Net shipments and interplant transfers		Total production			Total production		
	Linear yards	Value f.o.b. plant	Pounds	Square yards	Linear yards	Pounds	Square yards	Value f.o.b. plant
Woolen and worsted broad-woven fabrics, total.....	3 505,767	\$1,238,609	3 464,503	3 814,753	3 515,843	366,201	3 567,560	\$476,787
Apparel fabrics, total.....	438,314	1,037,274	372,263	697,082	448,388	290,045	481,509	385,864
Woolen fabrics.....	221,339	451,705	188,696	341,174	216,950			
For Government orders.....	1,870	6,956	2,129	3,154	2,034			
Other than Government orders.....	219,469	444,749	186,567	338,020	214,916			
Men's and boys' clothing.....	87,153	189,409	83,815	134,943	84,358			
Women's and children's clothing.....	131,063	251,593	101,504	201,064	129,252			
All other woolen fabrics.....	1,233	3,747	1,248	2,013	1,306			
Worsted fabrics.....	188,481	564,262	163,630	317,538	203,250	n.a.	n.a.	n.a.
For Government orders.....	7,559	30,792	9,345	13,010	8,093			
Other than Government orders.....	180,922	533,470	154,285	304,528	195,157			
Men's and boys' clothing.....	126,710	388,903	115,806	218,513	138,234			
Women's and children's clothing.....	47,649	132,806	38,043	78,020	49,814			
All other worsted fabrics.....	6,554	11,761	3,436	7,995	7,109			
Other apparel fabrics, unclassified.....	28,494	21,307	19,937	38,370	28,188			
Nonapparel fabrics, total.....	67,453	171,162	92,240	117,671	67,455	69,418	86,051	90,923
Blanketing.....	27,464	61,359	41,702	59,467	29,203	28,309	39,152	25,510
For crib blankets.....	516	2,198	634	1,001	544			
All other blanketing.....	26,948	59,161	41,068	58,466	28,659			
100 percent wool.....	13,961	38,058	22,665	30,025	14,590			
Wool, reprocessed wool, or reused wool.....	12,987	23,103	18,403	28,441	14,069	n.a.	n.a.	n.a.
100 percent (except 100 percent wool).....	1,120	2,379	1,726	2,375	1,242			
50-99.9 percent.....	4,464	9,538	7,480	11,145	5,538			
25-49.9 percent.....	7,403	11,186	9,197	14,921	7,289			
Other nonapparel fabrics (except felt).....	39,989	109,803	50,538	58,204	38,252	41,109	46,899	49,536
Furniture upholstery and draperies.....	10,807	30,226	15,609	15,845	10,543			
Transportation upholstery.....	24,957	70,328	27,749	36,322	23,402	n.a.	n.a.	n.a.
All other nonapparel fabrics (except felt).....	4,225	9,249	7,280	6,037	4,307			
Woven felts, total.....		30,173				6,738		15,877
Papermakers'.....	(4)	21,219	7,061			5,164		12,830
All other woven felts.....		8,954				1,574		3,047
Value of dyeing and finishing of own woolen and worsted goods.....		\$ 13,131						

4 Withheld to avoid disclosing figures for individual companies.
 n.a.—Not available.
 1 Partially estimated from production reported in Facts for Industry series M15-H, Wool Manufactures.
 2 Machine- and hand-knitting yarns combined, to avoid disclosing figures for individual companies.
 3 Excluding woven felts.
 4 6,668,000 pounds.
 5 See text for industry.

KNITTING MILLS

[Money figures in thousands of dollars; quantity figures in thousands of dozens except as noted]

PRODUCT	1947						1939
	Shipments			Shipments of finished hosiery made from purchased greige goods	Production		
	Total ¹	Knit and shipped as finished hosiery	Knit and shipped in the greige		Total	Knit from own yarn	Knit from yarn owned by others
Hosiery, all types (total quantity)	152,586				153,292		152,343
Women's full-fashioned:							
Quantity.....	41,363	30,243	11,120	7,737	41,903	37,445	47,900
Value.....	(?)	\$308,137	\$81,858	\$81,409		4,458	
Women's seamless, except anklets:							
Quantity.....	10,803	9,651	1,152	983	11,524	11,042	13,324
Value.....	(?)	\$45,210	\$6,265	\$7,077		482	
Men's full-fashioned half-hose:							
Quantity.....	172				179	(³)	184
Value.....	\$1,353						\$787
Men's seamless half-hose and slack socks:							
Quantity.....	49,255				48,785	45,914	43,883
Value.....	\$147,643					2,871	\$60,314
Bundle goods:							
Quantity.....	6,960				7,101	6,898	4,077
Value.....	\$17,398					203	\$4,274
Other men's socks, n. e. c. (value)	\$15,400						
Athletic socks:							
Quantity.....	1,851				1,866	1,866	1,170
Value.....	\$6,201						\$2,181
Crew socks:							
Quantity.....	3,527				3,186	(³)	(⁴)
Value.....	\$9,199						(⁴)
Children's and infants' (except anklets):							
Quantity.....	7,348				7,677	7,281	11,661
Value.....	\$17,084					396	\$12,705
Anklets:							
Quantity.....	31,307				31,071	30,759	30,144
Value.....	\$66,855					312	\$29,874
Full-fashioned hosiery, unspecified (value)	\$2,014						
Seamless hosiery, unspecified (value)	\$4,364						
Seamless hosiery, other than women's seamless, sold in the greige (value)			\$10,583				

PRODUCT	1947					1939	
	Shipments		Production			Production	
	Quantity	Value	Total (quantity)	Made by "inside" plants (quantity)	Made on contract (quantity)	Quantity	Value
Knit outerwear, total		\$332,622				n.a.	n.a.
Sweaters, jackets, jerseys, pullovers, and sacques, knitted or from knitted materials, total	6,677	180,165	6,677	3,755	2,922		
Men's.....	1,838	61,798	1,825	1,440	385		
Boys'.....	371	8,344	368	296	72		
Women's and misses', total	2,375	71,569	2,326	1,087	1,239	5,884	\$65,798
Pullover sweaters and jerseys	1,320	36,971	1,293	550	743		
Coat and cardigan sweaters	1,055	34,598	1,033	537	496		
Girls'.....	340	7,840	343	144	199		
Children's and infants'.....	1,753	30,614	1,815	788	1,027		
Shirts (outerwear), knitted or from knitted materials, total	11,428	83,365	11,409	9,665	1,744		
Polo, tennis and basque shirts, T-shirts and other knit shirts, excluding sweat shirts, total	10,304	71,604	10,234	8,490	1,744		
Men's.....	5,431	37,863	5,444	4,757	687	(⁵)	(⁵)
Boys'.....	1,585	10,391	1,549	1,500	49		
Women's and misses'.....	556	5,740	550	386	164		
Children's and infants'.....	2,732	17,610	2,691	1,847	844	121	554
Sweat shirts, total	1,124	11,761	1,175	1,175			
Men's.....	766	8,938	827	827	(⁵)	494	1,986
Boys'.....	358	2,823	348	348			
Bathing suits and trunks, including athletic trunks, knitted or from knitted materials, total	497	13,167	500	495	5		
Men's.....	151	2,988	152	152	(⁵)		
Boys'.....	52	729	52	52			
Women's and misses'.....	144	7,090	141	136	5	814	18,177
Girls'.....	63	1,212	63	63	(⁵)		
Children's and infants'.....	87	1,148	92	92	(⁵)		
Other outerwear, knitted or from knitted materials, total		44,082					
Knit headwear and neckwear, total	1,561	10,915	1,556	1,311	245		
Men's and boys' headwear	169	895	168	168	(⁵)	319	924
Women's and misses' headwear	403	3,425	403	403	(⁵)	591	2,636
Knit neckwear, except neckties	55	576	52	41	11	102	563
Children's and infants' headwear	516	3,472	513	362	151		
Neckties	418	2,547	420	337	83		
Other knit outerwear, total		28,349					
Other men's knit outerwear		604					
Other boys' knit outerwear		117					
Other women's and misses' knit outerwear		6,696					
Other girls' knit outerwear		676					
Children's and infants'.....						n.a.	18,485
Suits, including pantie suits and combination sets	447	6,079	457	405	52		
Creepers and rompers	496	5,660	500	398	102		
Bootees	324	1,435	350	84	266		
Other children's and infants' knit outerwear							
Other knit products, total		7,082					
Wristlets and anklets		4,818					
Other knit products	651	1,386	635	635		n.a.	495
Other knit outerwear, not specified by kind		3,432				n.a.	n.a.
See footnotes at end of table.		11,843				n.a.	n.a.

PRODUCT	1947					1939	
	Shipments		Production			Production	
	Quantity	Value	Total (quantity)	Made from own yarn (quantity)	Made from purchased knit fabrics (quantity)	Quantity	Value
Knit underwear and nightwear		\$357,227				n.a.	n.a.
Underwear and nightwear made from warp knit fabrics, all fibers, total.....	7,666	72,509	7,708	2,587	5,121		
Women's and misses' vests, panties, stepins, and bloomers.....	5,453	36,528	5,522	1,732	3,790	2,004	\$9,058
Women's and misses' slips.....	757	16,177	744	340	404		
Children's and infants' underwear.....	837	3,298	844	209	635	314	3,302
Other garments made from warp knit fabrics, except women's and misses' nightwear.....	24	227	20	(²)	20		
Women's and misses' nightwear, including bed-jackets and lounging pajamas.....	595	16,279	578	306	272	(²)	(²)
Underwear and nightwear made from circular knit silk, rayon, and other synthetic fibers, total.....	10,916	58,104	10,932	2,593	8,339		
Women's and misses' vests, panties, stepins, and bloomers.....	8,599	38,415	8,652	2,087	6,565	7 14,219	7 28,320
Women's and misses' slips.....	384	4,619	387	121	266	7 99	7 651
Women's and misses' nightwear, including bed-jackets and lounging pajamas.....	367	8,524	352	90	262	(²)	(²)
Children's and infants' nightwear.....	9	121	9		9		
Children's and infants' underwear.....	1,330	4,754	1,299	148	1,151		
Men's underwear and nightwear.....	194	1,275	199	147	52		
Other garments made from circular knit silk, rayon, and other synthetic fabrics, not listed above.....	33	366	34	(²)	34	360	1,728
Women's, misses', children's, and infants' circular knit cotton and/or wool underwear and nightwear, total.....	17,366	80,854	17,401	13,734	3,667		
Women's heavyweight and lightweight union suits.....	529	5,727	540	514	26		
Children's heavyweight union suits (5½ lbs. and over).....	170	1,233	170	170		1,530	6,255
Children's lightweight union suits (under 5½ lbs.).....	127	878	137	137		(²)	(²)
Children's waist suits.....	255	1,732	262	262	(²)		
Women's and misses' vests, panties, stepins, and bloomers—tuckstitch.....	2,104	10,404	2,081	1,928	153	1,173	2,822
Women's and misses' vests, panties, stepins, and bloomers—other than tuckstitch.....	2,299	10,555	2,304	1,935	369	(²)	(²)
Children's vests, panties, and bloomers.....	3,824	11,972	3,782	2,089	1,693	n.a.	n.a.
Infants' shirts and bands.....	3,942	13,429	3,970	3,816	154	(²)	(²)
Infants' panties.....	2,736	7,203	2,727	1,671	1,056	(²)	(²)
Adults' and children's nightwear, including lounging pajamas.....	978	14,386	1,014	887	127	(²)	(²)
Infants' nightwear.....	402	3,335	414	325	89		
Men's and boys' circular knit cotton and/or wool heavyweight union suits, undershirts, and drawers, total.....	2,834	45,810	2,919	2,919			
Men's heavyweight union suits (9 lbs. and over).....	1,592	29,874	1,621	1,621	(²)	2,172	14,286
Boys' heavyweight union suits (6 lbs. and over).....	588	6,550	626	626	(²)		
Men's and boys' heavyweight undershirts (7 lbs. and over).....	356	5,473	363	363	(²)	752	4,325
Heavyweight drawers (7 lbs. and over).....	298	3,913	309	309	(²)		
Other men's and boys' circular knit cotton and/or wool underwear, total.....	19,876	97,607	20,237	17,672	2,565		
Men's lightweight (under 9 lbs.) and boys' lightweight (under 6 lbs.) union suits.....	924	10,662	976	884	92	986	5,292
Men's and boys' mediumweight and lightweight undershirts, excluding athletic type and balbriggan (under 7 lbs.).....	1,247	7,222	1,256	1,106	150	n.a.	n.a.
Men's athletic type undershirts.....	8,762	34,298	9,010	7,421	1,589	8,867	14,902
Boys' athletic type undershirts.....	1,270	4,389	1,306	1,038	268		
Men's and boys' balbriggan undershirts (with sleeves).....	1,307	7,165	1,327	1,183	144	594	1,958
Balbriggan drawers.....	82	725	94	94			
Mediumweight and lightweight drawers, excluding supporter type (under 7 lbs.).....	147	1,193	164	164	(²)	n.a.	n.a.
Supporter type drawers, including half, knee, and full-length.....	786	5,843	835	835	(²)	n.a.	n.a.
Men's and boys' knit shorts.....	787	3,796	800	677	123	3,430	7,995
Men's briefs.....	3,427	17,424	3,367	3,367	(²)	n.a.	n.a.
Boys' briefs.....	1,137	4,890	1,102	903	199	n.a.	n.a.
Knit underwear, not specified by kind, including underwear not reported separately.....	n.a.	2,343	n.a.	n.a.	n.a.	5,413	10,771
Dress, semidress, and work gloves, except leather	25,938	\$125,592	26,559			n.a.	n.a.
Dress and semidress gloves and mittens, total.....	5,727	53,126	5,966				
Seamless fingered (25% or more wool content).....	1,102	9,561	1,136				
Men's and boys'.....	307	3,105	331			124	690
Women's and misses':.....						10 340	1,560
Seamless fingered (25% or more wool).....	423	3,823	432			10 328	1,311
Seamless mittens (25% or more wool).....	372	2,633	373				
Dress and semidress gloves and mittens, woven fabric.....	103	526	115			n.a.	n.a.
All other dress and semidress gloves and mittens ¹¹	4,522	43,039	4,715			n.a.	n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947					1939	
	Shipments		Production			Production	
	Quantity	Value	Total (quantity)	Made from own yarn (quantity)	Made from purchased knit fabrics (quantity)	Quantity	Value
Dress, semidress, and work gloves, except leather ¹ —Continued							
Work gloves and mittens, total	20,211	\$72,466	20,593			n.a.	n.a.
Work gloves and mittens, leather and fabric combination	2,660	21,760	2,677			2,790	\$8,699
Work gloves and mittens, cotton flannel, except hot mill and husking	12,330	35,310	12,638				
Work gloves, knitted or from knitted materials, total	3,547	8,882	3,649				
Fleece cotton jersey	2,299	6,285	2,404				
Light weight circular knit	1,248	2,597	1,245				
Other textile work gloves and mittens, including hot mill and husking, not elsewhere classified	1,674	6,514	1,629			12,317	13,168
	<i>M pounds</i>		<i>M pounds</i>			<i>M pounds</i>	
Knit cloth made for sale, total ¹²		197,090				n.a.	n.a.
Warp knit fabrics, total	43,505	70,557	41,509			n.a.	n.a.
Underwear and nightwear fabrics	17,422	28,455	17,415			3,157	8,643
Corset fabrics	604	1,888	617			442	514
Dress and suiting fabrics	16,205	24,234	15,085			2,689	2,408
Glove fabrics	3,971	10,878	3,946			922	1,635
Other warp knit fabrics	5,303	5,102	4,446			(13)	(13)
Circular knit fabrics, total	110,273	125,837	111,071			n.a.	n.a.
Underwear and nightwear fabrics, total	41,597	41,527	41,658			22,676	13,369
Cotton or chiefly cotton, and wool or chiefly wool	21,232	20,310	21,290			6,746	3,429
Rayon or chiefly rayon	20,315	21,217	20,368			15,930	9,940
Outerwear fabrics, except glove fabrics, total	29,668	46,867	29,704				
Overcoating, topcoating, and ski and snow suit fabrics	7,792	14,890	8,189			18,302	18,066
Dress and suiting fabrics	4,347	8,646	4,352				
Polo shirt type fabrics	14,524	18,195	14,149				
Other circular knit outerwear fabrics	3,005	5,136	3,014				
Glove and mitten fabrics, total	13,922	11,037	14,179			10,482	3,224
Work-glove jersey made of cotton, including balbriggan	4,705	3,881	4,786			4,560	1,611
Work-glove ribbed tubing made of cotton	7,556	5,534	7,718			4,881	1,259
Other circular knit glove and mitten fabrics, including all wool glove and mitten fabrics	1,661	1,622	1,675			1,041	354
Other circular knit fabrics, total	25,086	26,406	25,530				
Footwear lining	6,970	6,937	7,027			1,789	796
Meat bagging and other stockinette fabrics	10,058	8,083	10,489			7,476	2,049
Elastic girdle blanks and elastic fabrics	3,579	6,154	3,525			5,120	5,211
Other circular knit fabrics	4,479	5,232	4,488			(13)	(13)
Knit fabrics for sale, not specified by kind	n.a.	696	n.a.			n.a.	n.a.
Other knit products, total		11,552					n.a.
Knitted wash cloths, dish cloths, and towels		6,343					1,247
Other knit products		5,198					n.a.
Knit products, not specified by kind		20					n.a.

n.a.—Not available.

¹ The number of dozens shipped of seamless hosiery, other than women's, are believed to be slightly overstated in relation to production due to the practice of some manufacturers in reporting production done under contract as finished shipments, thereby duplicating the shipments reported by the manufacturers letting the contract. This is particularly true in the case of men's seamless half-hose and slack socks.

² Total quantity of shipments for 1947 do not include shipments of women's finished full-fashioned and seamless hosiery made from purchased greige goods. The inclusion of these figures would duplicate hosiery shipped in the greige. A number of nonmanufacturers, such as retailers, exporters, etc., who would normally report the shipping of finished goods made from purchased greige goods are believed not to have reported. The total value of women's finished full-fashioned hosiery can be estimated by multiplying the number of dozens shipped in the greige by the per dozen value of finished goods made from purchased greige goods. This value, \$117,004,640, when added to the value of finished goods made from own yarn provides an estimated value of all women's full-fashioned hosiery of \$425,142,000. Computing the value of women's seamless hosiery in the same manner provides an estimated value of \$53,504,000 for all women's seamless hosiery, except anklets, during 1947.

³ Production combined with figures in adjoining column to avoid disclosing figures for individual companies.

⁴ Crew socks were included with slack socks in 1939.

⁵ Total not available for 1939; quantity produced in 1939 in the knit goods subgroup totaled 1,926,763 dozens valued at \$6,301,752; figures reported in the men's and boys' furnishings subgroup include both woven and knitted fabric sport shirts.

⁶ In 1939 knit fabric sleeping garments, both warp and circular knit, regardless of fiber content, were shown together in a single figure; quantity produced amounted to 761,566 dozens valued at \$5,576,173.

⁷ Women's and misses' cotton and wool vests, panties, stepins, bloomers, slips, and petticoats are included in the figures for the rayon and silk items in 1939.

⁸ Included in other circular knit underwear not reported separately in 1939.

⁹ Knit, fabric, and fabric and leather combined gloves are produced primarily in the fabric and fabric and leather combined dress and work glove industries and in the knit glove mill industry. The figures shown here are also shown in the fabric, and fabric and leather combined dress and work glove industries group.

¹⁰ Children's gloves and mittens included in the figures for women's and misses' knit fabric gloves in 1939.

¹¹ Figures on dress and semi-dress gloves and mittens other than seamless and woven fabric are not considered reliable enough to be presented by type. A distribution by type has been presented for 1947 in the current Facts for Industry Series M67 D.

¹² The shipments and production data shown here for 1947 overstate knit fabrics made for sale by the amount of interplant transfers of knit fabrics to other plants of the same company. This amount, however, is believed not to exceed 5 percent of the industry. Figures collected on total production, including that for own use, are known to be considerably understated and consequently are not being published.

¹³ Other warp knit fabrics and other circular knit fabrics were shown together in a single figure in 1939; production of both types was valued at \$5,197,000.

CARPETS, RUGS, AND OTHER FLOOR COVERINGS

[All figures in thousands]

PRODUCT	1947				1939			
	Net shipments and interplant transfers		Production		Production			
	Pounds	Value f.o.b. plant	Total (pounds)	Made for own use (pounds)	Total (pounds)	Made for sale		Made for own use (pounds)
						Pounds	Value	
Carpet and rug weaving yarns, total	59,873	\$51,009	178,694	124,219	107,508	n.a.	n.a.	n.a.
Spun on woolen system.....	57,260	48,383	169,923	118,096	105,151	24,271	\$12,056	77,341
Other.....	2,613	2,626	8,771	6,123	2,357	(1)	(1)	(1)

PRODUCT	1947			1939		
	Net shipments		Total production (square yards)	Gross sales less returns		Total production (square yards)
	Square yards	Value f.o.b. plant		Square yards	Value f.o.b. plant	
Wool carpets and rugs, total	88,872	\$363,070	91,160	n.a.	n.a.	n.a.
Woven (except automobile and aircraft floor covering).....	75,687	340,975	77,787	56,564	\$142,301	58,371
Axminster.....	37,550	136,971	33,344	29,690	59,922	31,073
Wilton.....	14,238	95,265	14,340	7,980	30,509	8,506
Plain velvet.....	16,713	76,286	17,182	12,680	37,224	12,728
Printed velvet, chenille, and other.....	7,166	32,333	7,921	6,214	14,646	6,067
Automobile and aircraft floor covering ²	8,005	15,170	8,545	5,000	4,940	5,027
All other, including wool face on felt backing.....	4,580	6,925	4,828	n.a.	n.a.	n.a.

PRODUCT	1947			1939	
	Net shipments		Total production (square yards)	Total production	
	Square yards	Value f.o.b. plant		Square yards	Value f.o.b. plant
Carpets, rugs, and mats from fiber (except wool)		\$52,801			\$13,760
Linoleum, total	63,248	67,646	65,808	36,004	29,432
Felt back, standard.....	39,445	40,166	41,401	n.a.	n.a.
Other linoleum products ³	23,803	27,480	24,407	n.a.	n.a.
Asphalted-felt-base floor and wall covering, total		93,452			5,943
Piece goods, 12/4 yard and wider.....	47,374	18,021	47,187	26,662	12,472
Piece goods, 8/4 yard and narrower, including wall covering.....	89,027	33,571	90,492	56,088	19,465
Rugs and mats.....	99,052	34,639	98,349	83,817	
Other asphalted-felt-base floor and wall covering ⁴		7,221		n.a.	n.a.

n.a.—Not available.

¹ Not shown separately to prevent disclosure of figures for individual companies.

² Includes other than wool automobile and aircraft floor covering.

³ Includes some paper back wall covering.

⁴ Does not include wall covering.

⁵ Includes asphalted felt.

HATS (EXCEPT CLOTH AND MILLINERY)

[Money figures in thousands of dollars]

PRODUCT	1947				1939			
	Hat bodies made for sale and hats manufactured complete		Hats finished from purchased hat bodies		Hat bodies made for sale and hats manufactured complete		Hats finished from purchased hat bodies	
	Quantity (M doz.)	Value	Quantity (M doz.)	Value	Quantity (M doz.)	Value	Quantity (M doz.)	Value
Fur-felt hats and hat bodies, total		\$89,125	718	\$35,973				
Fur-felt hat bodies in the rough, made for sale as such:								
Men's and boys'	1,036	25,906			1,095	\$9,460		
Women's and children's	487	9,149			992	8,209		
Fur-felt finished hats:								
Men's and boys'	866	53,096	718	35,973	711	21,288	1,120	\$20,812
Women's and children's		(1)		(1)	(2)	(2)		
All other fur-felt hats and hat bodies		974		(1)				
Wool-felt hats and hat bodies, total		19,140	95	1,652	3,450	14,068	114	1,189
Wool-felt hat bodies in the rough, made for sale as such:								
Men's and boys'	131	897			255	978		
Women's and children's	2,423	11,920			2,821	9,962		
Wool-felt finished hats:								
Men's and boys'	417	6,064	79	1,307	374	3,130	114	1,189
Women's and children's	13	259	16	345	(3)	(3)	(3)	(3)
Straw hats, total	344	6,090	745	13,340				
Men's and boys':								
Sewed braid	259	5,267	271	5,344	340	3,728	192	1,470
Woven body			131	6,274			284	3,200
Women's and children's:								
Sewed braid	23	823	11	131	(4)	(4)		
Harvest hats			332	1,591			999	1,936

PRODUCT	1947		1939		PRODUCT	1947		1939	
	Total production		Total production			Total production		Total production	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
	(M doz.)		(M doz.)		(M doz.)		(M doz.)		
Men's, youths', and boys' cloth hats and caps, total		\$36,767		\$1,532	Hat bands, hat linings, tip printing and stamping, sweats, cap fronts, etc., made for sale as such				\$4,565
Men's and boys' cloth hats	481	4,770	246	9,905			\$11,679		
Men's and boys' caps	2,531	17,544	3,569						
Other men's and boys' cloth hats and caps		6,453		n.a.	Hatters' fur, cut or blown for sale	(M lbs.)		(M lbs.)	
						6,130	22,243	6,123	9,382

n.a.—Not available.

¹ Combined with all other fur-felt hats manufactured complete and hat bodies made for sale as such to avoid disclosing figures for individual companies.

² Included with men's and boys' fur-felt finished hats.

³ A small quantity of women's and children's wool-felt hats are combined with women's and children's wool-felt hat bodies made for sale and hats manufactured complete to avoid disclosing figures for individual companies.

⁴ A small quantity of women's and children's sewed-braid hats of straw are included with men's and boys' to avoid disclosing figures for individual companies.

⁵ 1939 figures were not reported separately for men's and boys' and women's and children's woven body hats, but it is believed that these are mainly men's and boys'. In 1947 women's and children's woven body hats are classified in the Millinery Industry, 2351.

⁶ This figure largely represents the value of uniform hats and caps; it also includes plastic wool hats and children's caps.

MISCELLANEOUS TEXTILE GOODS

[All figures in thousands]

PRODUCT	Unit of measure	1947			1939	
		Total shipments and interplant transfers		Total production (quantity)	Total production	
		Quantity	Value f.o.b. plant		Quantity	Value
Linen goods, total			\$8,523			\$6,028
Linen (flax) thread, except jacquard thread and twine	Pound	2,117	4,813	2,105	2,495	3,430
Woven goods (flax or hemp)	Sq. yd.	4,065	2,738	3,577	n.a.	2,598
All other linen goods			972			
Jute goods (except felt), total			35,879			14,948
Jute yarn and rove produced for sale	Pound	100,894	26,923	99,984	¹ 92,292	¹ 12,368
Jute bagging for baling cotton	Sq. yd.	45,055	5,730	44,431	² 45,363	2,051
All other jute goods			3,226			529
Felt goods (except woven felts and hats), total			132,783	58,875	132,212	114,822
Pressed wool felts	do.	24,165	23,054	24,031		
Industrial felts (½ inch thick and over)	do.	12,004	8,741	11,822		
Needle trade felts (under ½ inch thick)	do.	10,792	12,041	10,851	n.a.	n.a.
Sheets	do.	1,124	1,645	1,119		
Wheels	do.	245	627	239		
Punched or needled felts (hair and jute)	do.	65,135	26,102	65,022	n.a.	n.a.
Carpet and rug linings and cushions	do.	36,029	19,008	36,046	59,671	8,155
Automotive felts	do.	9,682	2,625	9,700	13,881	3,837
Insulation and acoustic felts	do.	19,424	4,469	19,276	n.a.	n.a.
All other and unclassified	do.	42,483	9,719	43,159	n.a.	n.a.
Cordage (rope and cable) and twine, total ³			440,381	169,808	470,236	61,399
Cotton cordage and twine, total	do.	91,684	68,663	96,374		23,453
Cordage	do.	3,806	2,296	4,842	30,337	6,619
Braided cord, including rope and cable	do.	26,788	17,608	28,680	n.a.	n.a.
Twine	do.	52,178	35,523	53,857	66,784	13,314
Seine twine	do.	16,517	12,000	16,949	n.a.	n.a.
Wrapping and other	do.	35,661	23,523	36,908		
Fishline	do.	624	641	639		(?)
Netting	do.	8,288	12,595	8,356		⁴ 3,520
Fish netting	do.	7,511	11,583	7,572	n.a.	n.a.
Other netting	do.	⁵ 777	1,012	⁵ 784		
Hard fiber cordage and twine, total ³			272,898	67,962	293,282	234,158
Cordage	do.	124,678	37,852	133,177	93,111	13,153
Abaca rope and cable	do.	98,892	31,062	108,366	77,041	11,224
¾ inch diameter and larger	do.	81,217	25,270	86,287	n.a.	n.a.
Less than ¾ inch diameter	do.	17,675	5,792	22,079		
Agave rope and cable	do.	25,786	6,790	24,811	16,070	1,929
¾ inch diameter and larger	do.	3,874	973	3,118	n.a.	n.a.
Less than ¾ inch diameter	do.	21,912	5,817	21,693		
Twine	do.	148,220	30,110	160,105	141,017	10,384
Binder twine ⁴	do.	67,440	12,175	71,134	88,058	5,144
Baler twine ⁴	do.	66,297	14,095	72,522	n.a.	n.a.
Fishing twine	do.	1,052	420	1,103	n.a.	n.a.
Wrapping or tying twine	do.	12,270	3,085	14,145	49,812	4,800
Other hard fiber twine	do.	⁵ 1,161	335	⁵ 1,201	⁶ 3,177	⁶ 431
Soft fiber cordage and twine, except cotton, total			75,799	33,183	80,580	14,409
Cordage	do.	1,925	1,231	1,997	2,904	689
Hemp rope and cable	do.	123	77	139		
Tarred hemp small stuff	do.	403	232	430	n.a.	n.a.
Other rope and cable	do.	1,399	922	1,428	n.a.	n.a.
Braided cord, including rope and cable	do.	341	144	336		
Twine, wrapping and other	do.	71,783	20,601	76,479		9,794
Hemp	do.	6,100	2,157	8,437	1,327	443
Istle (run over soft fiber machinery)	do.	2,274	512	2,442	n.a.	n.a.
Jute	do.	45,150	12,453	46,915	19,873	2,689
Paper	do.	15,074	3,429	15,416		3,669
Other fibers and mixed fibers	do.	⁵ 3,185	2,050	⁵ 3,269	⁶ 10,698	⁶ 2,993
Fishline	do.	639	9,127	680		7,392
Linen	do.	250	1,844	273		
Nylon	do.	326	5,890	341	n.a.	n.a.
Other	do.	63	1,393	66		
Netting	do.	1,111	2,080	⁵ 1,088		(?)

PRODUCT	Unit of measure	1947				1939		
		Total shipments and interplant transfers		Total production		Total production		
		Quantity	Value f.o.b. plant	Racks	Quantity	Racks	Quantity	Value
Lace goods, total			\$64,299				\$23,334	
Lever lace-machine products			29,161			3,304	19,046	
All-overs	Sq. yd.	3,556	4,602	732	3,863	n.a.	n.a.	
Edgings, insertions, galloons, and flouncings	do.	14,658	21,321	3,921	14,711			
All other lever lace-machine products	do.	8,455	3,238	550	9,368			
Barmen laces	Lin. yd.	41,837	1,513		41,732		(16) 13,270	
Nottingham lace machine products			30,154			4,322	10,197	
Curtains	Pair.	10,084	20,180	3,434	10,391	3,463	3,073	
All other Nottingham lac and lace products			9,974	1,438		859	842	
Bobbinets	Sq. yd.	1,419	1,417	510	1,419	422	¹¹ 279	
Other nets and laces			2,054				¹⁰ 591	

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Pounds	Value f.o.b. plant	Pounds	Value
Paddings and upholstery filling, total	508,606	\$112,165	352,592	\$30,804
Automotive and other pads (sisal, etc.).....	209,415	42,799	108,875	9,470
Cotton batting, wadding, and mattress felts.....	247,898	52,661	198,169	17,658
Made from raw cotton.....	39,450	8,457		
Made from linters.....	5,518	1,509	n.a.	n.a.
Made from waste.....	65,338	16,819		
Made from linters and waste mixed.....	137,594	26,076		
Upholstery filling.....	31,582	9,585	45,548	3,676
Curled hair.....	15,598	7,168		
Other.....	15,984	2,417	n.a.	n.a.
Other paddings and upholstery filling.....	19,711	7,120	n.a.	n.a.
Processed waste and recovered fibers, total	353,888	57,006	297,824	29,206
Fiber recovered from own materials.....	66,095	14,161	64,745	13,270
New wool clips and rags (reprocessed).....	12,261	4,384		
Old wool rags (reused).....	12,244	3,111		
Rayon clips and rags.....	11,461	2,232	n.a.	n.a.
Other clips and rags.....	30,129	4,534		
Processed mill waste (except fiber recovered from clips and rags).....	242,319	29,665	173,267	12,161
Cotton.....	162,211	15,258		
Wool.....	17,767	7,111		
Rayon.....	6,729	1,655	n.a.	n.a.
Other.....	55,612	5,641		
Flock.....	8,430	2,410	3,294	708
Rayon.....	2,451	1,514		
Other.....	5,979	896	n.a.	n.a.
Fibers recovered from clips and rags from materials owned by others.....	24,739	1,660	38,631	1,777
Oakum.....	12,305	1,794	17,887	1,290
All other processed waste and recovered fibers.....		7,316		n.a.

PRODUCT	1947			1939		
	Shipments and interplant transfers			Production		
	Linear yards	Square yards	Value f.o.b. plant	Linear yards	Square yards	Value
Artificial leather, oilcloth, and other impregnated and coated fabrics (except rubberized), total			\$187,533			n.a.
Pyroxylin-coated.....	¹¹ 82,843	¹² 88,583	¹² 57,098			
Light cotton fabrics (except shade cloth).....	38,407	40,469	20,408	33,728	40,509	\$7,929
Heavy cotton fabrics.....	30,923	32,915	29,421	29,171	40,350	13,818
Nonfabric materials.....	6,243	6,595	3,275	4,780	6,214	1,468
All other, including shade cloth.....	7,270	8,604	3,994	n.a.	n.a.	n.a.
Resin-coated fabrics and unsupported film.....			66,499			
Coated fabrics.....			36,907			
Light-weight fabrics (10 oz. and under per sq. yd.).....		15,626	9,141			
Heavy-weight fabrics (over 10 oz. per sq. yd.).....	28,998		27,766			
Unsupported film.....			29,592			
Six mills and under.....		65,210	11,744			
Over 6 mills to 15 mills.....		6,505	3,130			
Over 15 mills.....		14,299	14,718			
Other coated fabrics and paper.....			63,936			
Varnished insulating fabrics and paper.....			21,504			
Fabrics.....			19,200	n.a.	n.a.	n.a.
Paper.....		8,319	2,304			
Waxed fabrics.....	4,720		837			
Oilcloth.....	55,654	75,007	19,919		96,115	13,205
All other.....			21,676	n.a.		4,966
Other textile goods, n.e.c.....			24,211			n.a.

n.a.—Not available.

¹ Includes a small amount of flax and hemp yarns and roves.² Pounds.³ Excludes output of Boston Naval Shipyard Ropewalk and 1,213,000 pounds of rope and 265,000 pounds of wrapping twine made in 3 penal institutions. No separation as to hard and soft fiber available for prison production.⁴ Not including 19,259,000 pounds of binder twine and 1,938,000 pounds of baler twine made in 6 penal institutions in 1947. Excludes 36,000,000 pounds of binder twine made in 7 penal institutions in 1939.⁵ Partially estimated.⁶ Revised.⁷ A small value for cotton fishline included with soft fiber fishline.⁸ Includes a small quantity of hard fiber netting, to avoid disclosing figures for individual companies.⁹ A small value for linen netting included with cotton netting.¹⁰ Barmen laces included in "Other nets and laces" in 1939.¹¹ Linear yards.¹² Does not include 23,234,000 linear yards (25,034,000 square yards) of custom-coated materials, not classified by type, for which value of shipments was not reported.

Chapter IV—APPAREL AND RELATED PRODUCTS

MEN'S AND BOYS' SUITS, COATS, AND OVERCOATS

[All figures in thousands]

PRODUCT	1947		1939	
	Garments cut		Garments made	
	Quantity	Value	Quantity	Value
Men's, youths', and boys' suits, coats, and overcoats, total		\$1,153,813		n.a.
Men's, youths', and boys' suits and separate coats	34,952	920,053	n.a.	n.a.
Suits, except uniform.....	28,882	824,179	n.a.	n.a.
Men's, except summer-weight, one-trouser.....	19,541	613,718		
Men's, except summer-weight, two-trouser.....	2,191	77,805	24,737	\$346,402
Men's, summer-weight.....	3,991	92,279		
Students', except summer-weight (Sizes 32-38).....	632	12,609	(1)	(1)
Students', summer-weight (Sizes 32-38).....	73	1,156		
Cadets', except summer-weight (Sizes 8-16).....	1,130	14,813		
Cadets', summer-weight (Sizes 8-16).....	33	405	2,617	18,394
Junior boys', except summer-weight (Sizes 3-12).....	1,082	9,913		
Junior boys', summer-weight (Sizes 3-12).....	209	1,481		
Uniform suits ²	439	15,529	n.a.	n.a.
Military.....	109	2,854	n.a.	n.a.
Nonmilitary.....	330	12,675		
Separate coats, except uniform coats.....	5,286	73,468	n.a.	n.a.
Men's.....	4,458	64,442		
Students' (Sizes 32-38).....	302	3,634	n.a.	n.a.
Cadets' (Sizes 8-16).....	308	3,360		
Junior boys' (Sizes 3-12).....	218	2,030		
Uniform separate coats ²	345	6,879	n.a.	n.a.
Military.....	87	1,550	n.a.	n.a.
Nonmilitary.....	258	5,329		
Men's, youths', and boys' overcoats and topcoats	8,153	211,841	n.a.	n.a.
Overcoats and topcoats, including reversibles and fingertip-styled overcoats and topcoats, but excluding uniform overcoats.....	7,830	203,830	n.a.	n.a.
Men's.....	7,233	196,371	5,644	79,753
Students' (Sizes 10-24).....	150	2,309		
Cadets' (Sizes 8-16).....	165	2,170	n.a.	n.a.
Junior boys' (Sizes 4-14).....	282	2,980		
Uniform overcoats ²	323	8,011	n.a.	n.a.
Military.....	285	5,989	n.a.	n.a.
Nonmilitary.....	38	2,022		
Suits and coats, not specified by type.....	n.a.	21,919		
Men's suit and coat findings.....		37,314		8,213

n.a.—Not available.

¹ In 1939, students' garments were divided between the men's and boys' classifications.

² In addition to the figures shown above for military garments, the following cuttings were reported as cut on contract for the United States Government (all figures are in thousands): Uniform suits, 59; uniform separate coats, 1,247; and uniform overcoats, 634. The census figures do not include the value of these garments nor the value of the piece goods used in the garments.

MEN'S AND BOYS' FURNISHINGS, WORK CLOTHING, AND ALLIED GARMENTS

[All quantity figures in thousands]

PRODUCT	1947		1939	
	Garments cut		Garments made	
	Quantity (dozens)	Net sales (value f.o.b. plant)	Quantity (dozens)	Value f.o.b. plant
Men's, youths', and boys' shirts (except work shirts), collars, and nightwear, total		\$620,533		n.a.
Shirts, including civilian uniform shirts.....	19,800	526,945		
Dress or business.....	13,676	346,568		
Men's.....	12,459	325,306		
Boys'.....	1,217	21,262	15,362	\$136,220
Sport (not including knit, polo, basque, or "T" shirts).....	6,124	180,377		
Men's.....	4,583	152,673		
Boys'.....	1,541	27,704		
Pajamas.....	2,590	79,163		
Men's.....	2,116	68,549	2,662	23,953
Boys'.....	474	10,614		
Shirts and pajama products, not specified by type.....		14,425		n.a.
Work shirts, including civilian uniform shirts, total	5,815	98,483		
Men's.....	4,959	86,763	6,850	43,105
Boys'.....	856	11,720		
Men's, youths', and boys' underwear, total		\$192,209		n.a.
Men's, youths', and boys' underwear (woven fabric).....	7,169	47,684	n.a.	n.a.
Men's shorts.....	6,161	39,350	7,348	\$16,019
Boys' shorts.....	580	2,544		
Men's and boys' union suits.....	428	5,790	n.a.	n.a.
Men's, youths', and boys' underwear, knitted or from knit materials.....	n.a.	143,417	n.a.	n.a.
Other men's, youths', and boys' underwear, not specified by kind.....		1,108		n.a.
Men's, youths', and boys' work, sport, and other clothing, not elsewhere classified, total		485,888		n.a.
Men's washable service apparel, medical, hospital, professional, barber, baker, etc.....	1,634	30,159	n.a.	10,735
Other men's, youths', and boys' clothing, not elsewhere classified (except knit).....		427,081	n.a.	n.a.
Work pants:				
Men's.....	3,111	92,346		
Boys'.....	605	12,696	5,081	51,380
Dungarees or waistband overalls:				
Men's.....	1,869	42,609		
Boys'.....	1,440	25,674	3,973	39,685
Bib overalls:				
Men's.....	2,372	70,859		
Boys'.....	1,126	21,408		
Overall and work jackets, men's and boys'.....	398	11,308	424	3,948
One-piece work suits, men's and boys'.....	437	19,717	285	4,833
Jackets and other heavy outerwear, men's and boys' (except leather):				
Blanket-lined.....	230	10,469	182	2,416
Mackinaws and mackinaw coats.....	177	14,480		
Melton jackets and lumber jackets.....	142	9,898		
Other, including cossack type:				
Wool (25 percent or more animal fibers).....	315	22,804		
Other than wool.....	696	42,873	n.a.	n.a.
Oiled fabric garments, men's and boys'.....	86	3,529		
Bathing suits and trunks, including woven athletic shorts:				
Men's.....	908	14,726		
Boys'.....	121	2,153	679	6,457
Wash suits, boys'.....	458	9,532		
Men's, youths', and boys' clothing, not elsewhere classified, not specified by kind.....		28,648		n.a.

PRODUCT	1947		1939	
	Garments cut		Garments made	
	Quantity (each)	Net sales (value f.o.b. plant)	Quantity (each)	Value f.o.b. plant
Separate trousers, dress and sport, including long, knicker, and short, total	n.a.	\$327,954	n.a.	n.a.
Excluding uniform separate trousers.....	60,905	303,877	n.a.	n.a.
Men's, wool (25 percent or more animal fibers).....	26,349	180,484		
Men's, rayon or principally rayon.....	10,481	49,311	13,755	\$64,678
Men's, cotton or principally cotton.....	5,920	19,688		
Students', wool (25 percent or more animal fibers) (sizes 25-32).....	1,840	8,983		
Students' rayon or principally rayon (sizes 25-32).....	763	3,196	(?)	
Students', cotton or principally cotton (sizes 25-32).....	689	2,276		
Cadets', wool (25 percent or more animal fibers) (sizes 21-26).....	792	2,971		
Cadets', rayon or principally rayon (sizes 21-26).....	131	425		
Cadets', cotton or principally cotton (sizes 21-26).....	425	1,105	n.a.	15,767
Boys' wool (25 percent or more animal fibers) (sizes 4-18).....	4,587	14,188		
Boys', rayon or principally rayon (sizes 4-18).....	1,848	5,413		
Boys', cotton or principally cotton (sizes 4-18).....	7,080	15,837		
Uniform separate trousers:				
Military.....	1,793	13,988		
Nonmilitary.....	288	2,271	n.a.	n.a.
Total.....	1,505	11,717		
Other trousers, not specified as to type.....	n.a.	10,089		

See footnotes at end of table.

PRODUCT	1947		1939	
	Production		Production	
	Quantity (dozens)	Net sales (value f.o.b. plant)	Quantity (dozens)	Value
Men's, youths', and boys' cloth hats and caps, total		\$36,767		n.a.
Men's and boys' cloth hats	481	4,770	246	\$1,532
Men's and boys' caps	2,531	17,544	3,569	9,905
Other men's and boys' cloth hats and caps		14,453		n.a.
Hat bands, hat linings, tip printing and stamping, sweats, cap fronts, etc., made for sale as such		11,679		4,565
Men's, youths', and boys' neckwear, total		113,547		47,119
Neckties	12,351	111,217	12,506	45,639
Miscellaneous neckwear		2,330		1,480

n.a.—Not available.

¹ For a detailed breakdown of this figure by the type of garment and fiber content, refer to the 1947 Census of Manufactures publication entitled "Knitting mills."

² In 1939 students' garments were divided between the men's and boys' classifications.

³ In addition to the figures shown above for military garments, cuttings of 4,235,000 uniform trousers were reported as cut on contract for the United States Government. The census figures do not include the value of these garments nor the value of the piece goods used in the garments.

⁴ This figure largely represents the value of uniform hats and caps; it also includes the value of production of plastic wool hats and children's caps.

WOMEN'S AND MISSES' OUTERWEAR

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939	
		Garments cut		Garments made	
		Quantity	Net sales value	Quantity	Value
Women's, misses', and juniors' outerwear, total			\$2,724,931		n.a.
Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	Dozen.....	7,496	239,040	2,886	\$33,692
Household apparel			295,898		n.a.
Women's aprons, uniforms, and other washable service apparel, total.....			44,975		n.a.
Aprons, smocks, hooovers, and pinafore aprons.....	Dozen.....	2,163	20,015	3,171	11,567
Nurses' and maids' uniforms.....	do.....	685	23,585	768	10,133
Other washable service apparel.....			1,375		n.a.
Other household apparel.....			1,461		n.a.
Women's, misses', and juniors' dresses, sold at a dozen price.....	Unit.....	75,456	249,462	194,383	516,806
Women's, misses', and juniors' dresses, sold at a unit price.....	do.....	127,791	1,091,583		
Women's, misses', and juniors' suits and coats (except fur coats), total			874,424		n.a.
Fur-trimmed coats (including capes, excluding fur coats).....	Unit.....	1,924	94,464	17,428	203,342
Coats, without fur-trimming (including capes and reversible coats, excluding fur coats).....	do.....	18,956	408,266		
Suits (except ski and snow suits, slack suits, and uniform suits).....	do.....	14,352	341,402	4,237	50,431
Jackets (including work jackets).....	do.....	3,462	18,064	3,336	8,266
Other products, not specified by kind.....			12,228		
Women's, misses', and juniors' skirts (including work skirts), total.....	Dozen.....	2,020	78,271	1,084	20,624
Women's, misses', and juniors' dickies, neckwear, and scarfs, total			48,852		n.a.
Neckwear and scarfs.....			44,424		10,205
Dickies.....			3,802		n.a.
Miscellaneous neckwear, type not specified.....			326		
Women's and misses' outerwear, not elsewhere classified, total			97,163		
Overalls, coveralls, one-piece work suits, slack suits, and overalls with jackets.....	Dozen.....	232	8,607	n.a.	n.a.
Playsuits, sun suits, short overalls, and shorts.....	do.....	644	22,680		
Ski pants, and ski and snow suits.....	do.....	21	1,965		
Slacks, including work slacks.....	do.....	679	27,233		
Woven bathing suits.....	do.....	399	21,410		
Other women's and misses' outerwear, not specified by kind (except knit).....			15,268		

n.a.—Not available.

**WOMEN'S AND CHILDREN'S UNDERGARMENTS; MILLINERY;
CHILDREN'S OUTERWEAR; FUR GOODS**

[Money figures in thousands of dollars; quantity figures in thousands of dozens]

PRODUCT	1947		1939	
	Garments cut		Garment made	
	Quantity	Value	Quantity	Value
Women's, misses', children's, and infants' underwear and nightwear, total		\$646, 659		n.a.
Underwear and nightwear made from warp knit fabrics, all fibers	7, 666	72, 509	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers.....	5, 453	36, 528	2, 004	\$9, 058
Women's and misses' slips.....	757	16, 177		
Children's and infants' underwear.....	837	3, 298	314	3, 302
Other garments made from warp knit fabrics, except women's and misses' nightwear.....	24	227		
Women's and misses' nightwear, including bedjackets and lounging pajamas.....	595	16, 279	(1)	(1)
Underwear and nightwear made from circular knit silk, rayon, and other synthetic fibers	10, 916	58, 104	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers.....	8, 599	38, 415	14, 219	28, 320
Women's and misses' slips.....	384	4, 649	99	651
Women's and misses' nightwear, including bedjackets and lounging pajamas.....	367	8, 624		
Children's and infants' nightwear.....	9	121	(1)	(1)
Children's and infants' underwear.....	1, 330	4, 754		
Other garments made from circular knit silk, rayon, and other synthetic fabrics.....	227	1, 641	360	1, 728
Women's, misses', children's, and infants' circular knit cotton and/or wool underwear and nightwear	17, 366	80, 854	n.a.	n.a.
Women's heavyweight and lightweight union suits.....	529	5, 727		
Children's heavyweight union suits (5½ lbs. and over).....	170	1, 233	1, 530	6, 255
Children's lightweight union suits (under 5½ lbs.).....	127	878		
Children's waist suits.....	255	1, 732	n.a.	n.a.
Women's and misses' vests, panties, step-ins, and bloomers, tuckstitch.....	2, 104	10, 404	1, 173	2, 822
Women's and misses' vests, panties, step-ins, bloomers, other than tuckstitch.....	2, 299	10, 555	(2)	(2)
Children's vests, panties, and bloomers.....	3, 824	11, 972	n.a.	n.a.
Infants' shirts and bands.....	3, 942	13, 429	n.a.	n.a.
Infants' panties.....	2, 736	7, 203	n.a.	n.a.
Adults' and children's nightwear, including lounging pajamas.....	978	14, 386		
Infants' nightwear.....	402	3, 335	(1)	(1)
Women's, misses' and juniors' nightwear made from woven fabric	4, 342	131, 741	5, 854	44, 836
Nightgowns.....	3, 005	90, 174	n.a.	n.a.
Sleeping pajamas.....	1, 337	41, 567	n.a.	n.a.
Women's, misses', and juniors' underwear made from woven fabric	9, 693	217, 106	11, 725	70, 946
Petticoats and half-slips.....	376	10, 257	8, 945	62, 004
Slips and gertrudes.....	9, 317	206, 849		
N negligees and bedjackets made from woven fabric	354	21, 857	n.a.	n.a.
Negligees.....	167	15, 321	426	9, 177
Bedjackets.....	187	6, 536	n.a.	n.a.
Children's and infants' nightwear made from woven fabric	2, 254	23, 693	n.a.	n.a.
Nightgowns:				
Girls' and teen-age girls' (sizes 8-16).....	44	857		
Children's (sizes 2-8).....	95	1, 191		
Infants' (sizes 0-1).....	785	3, 884		
Sleeping pajamas:			(4)	(4)
Girls' and teen-age girls' (sizes 8-16).....	303	5, 279		
Children's (sizes 2-8).....	762	9, 049		
Toddlers' (sizes 1-4).....	265	3, 433		
Children's and infants' underwear made from woven fabric	2, 634	14, 254	n.a.	n.a.
Slips and gertrudes.....	1, 391	10, 699		
Teen-age girls' and girls' shoulder strap and gertrude style slips.....	1, 131	9, 312		
Toddlers' and infants' (sizes 0-3).....	260	1, 387	(5)	(5)
Girls' panties and bloomers (sizes 2-12).....	1, 243	3, 555		
Other women's, misses', children's, and infants' underwear and nightwear		6, 26, 541		n.a.

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value
Corsets and allied garments, total		\$265, 233		n.a.
Brassieres and bandeaux.....	9, 408	115, 945		
Corsets, girdles, roll-ons, and garter belts.....	3, 730	103, 156		
Corsets (back-laced and front-laced).....	309	14, 559		
Girdles (front-clasp, side-hooked, and zipper).....	1, 453	57, 066	n.a.	\$62, 204
Roll-ons.....	1, 103	24, 578		
Garter belts.....	865	6, 953		
Combinations and maternity corsets and corset accessories.....		40, 781		n.a.
Combinations and one-piece garments.....	398	25, 314	n.a.	20, 482
Surgical and inaternity corsets and combinations.....	167	11, 472	n.a.	n.a.
Corset accessories (clasps, stays, etc.).....		3, 995		1, 732
Other corsets and allied garments, unspecified.....		5, 371		n.a.
Millinery		176, 517		105, 738

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

[Money figures in thousands of dollars: quantity figures in thousands of units]

PRODUCT	1947		PRODUCT	1947	
	Quantity cut	Value		Quantity cut	Value
Children's dresses and blouses, total		\$156,293	Children's and infants' coats—Continued		
Dresses.....	5,486	134,082	Jackets.....	73	\$2,956
Girls' and teen-age girls' (sizes 7-16).....	2,008	64,865	Girls', chubbies' and teen-age girls' (sizes 7-16).....	27	1,650
Children's (sizes 2-6).....	1,681	39,949	Children's jackets (sizes 3-6x).....	46	1,306
Toddlers' and infants' (sizes 6 months to 3 yrs.).....	1,797	29,268	Ski and snow pants and leggings.....	79	3,748
Blouses.....	854	15,312	Girls' and teen-age girls' (sizes 7-16).....	37	1,807
Girls' and teen-age girls' (sizes 7-16).....	506	9,604	Children's (sizes 2-6x).....	29	1,382
Girls' (sizes 1-6).....	348	5,708	Toddlers' (sizes 1-4 yrs.).....	13	559
Dresses and blouses, quantity and size not specified.....		6,899	Skirts.....	590	18,002
Children's and infants' coats, total		125,280	Girls' and teen-age girls' (sizes 7-16).....	405	13,142
Coat and legging sets.....	240	26,347	Children's (sizes 2-6x).....	155	4,193
Girls', chubbies', and teen-age girls' (sizes 7-16).....	39	4,912	Toddlers' (sizes 1-4 yrs.).....	30	667
Children's (sizes 3-6x for girls; 2-8 for boys).....	99	12,506	Suits (other than ski and snow suits).....	108	7,601
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	102	8,929	Girls', chubbies', and teen-age girls' (sizes 7-16).....	71	5,571
Coats.....	476	46,291	Girls' (sizes 6x and under).....	37	2,030
Girls', chubbies', and teen-age girls' (sizes 7-16).....	226	26,825	Other children's and infants' coats, etc.....		1,179
Children's (sizes 2-6x for girls; 2-8 for boys).....	136	11,754	Children's and infants' outerwear, not elsewhere classified, total		\$2,905
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	114	7,712	Buntings.....	52	1,475
Ski and snow suits.....	207	19,156	Creeper, rompers, baby boys' wash suits (6 mos. to 2 yrs.).....	299	4,885
One-piece:			Overalls, coveralls, playsuits, sunsuits, short overalls, and shorts.....	3,278	52,704
Children's (sizes 2-6x).....	28	2,447	Children's, girls', teen-age girls'.....	2,359	38,319
Toddlers' and infants' (sizes 6 mos. to 4 yrs.).....	69	5,839	Toddlers' and infants'.....	919	14,385
Two-piece:			Slacks.....	303	6,027
Girls' and teen-age girls'.....	33	3,411	Girls' and teen-age girls' (sizes 7-16).....	201	4,064
Children's (sizes 2-6x).....	68	6,582	Children's (sizes 2-6x).....	102	1,963
Toddlers' (sizes 1-4 yrs.).....	9	877	Slack suits (children's, girls', and teen-age girls').....	113	3,590
			Woven bathing suits (girls', children's, and infants').....	109	2,301
			Boys' wash suits, toddlers (sizes 1-4).....	329	5,382
			Other children's and infants' outerwear.....		16,581

PRODUCT	1947		1939		
	Shipments and interplant transfers (value f.o.b. plant)	Production		Production	
		Quantity	Value	Quantity	Value
Fur goods, capes, jackets, and neckpieces	\$343,378	\$342,555		\$160,149	
Fur coats, capes, jackets, and neckpieces.....	279,918	279,377		124,850	
Fur coats and capes—32 in. or more in length.....	232,651	232,055	1,204	101,907	
Fur jackets, coats and capes—less than 32 in. in length.....	28,759	28,722	418	18,388	
Fur neckpieces (including scarfs, ascots, boas, etc.).....	18,508	18,600	n.a.	4,575	
Other fur goods, not elsewhere classified.....	40,837	40,567		35,299	
All other fur wearing apparel.....	1,884	1,908		3,105	
Fur trimmings (including collars) made for sale.....	30,847	30,597			
Fur plates.....	4,908	4,908		32,194	
Other fur products (including reconditioning of fur coats).....	3,198	3,154			
Fur goods, not specified by kind.....	22,623	22,611		n.a.	

n.a.—Not available.

¹ In 1939 knit fabric sleeping garments, both warp and circular knit, regardless of fiber content, were shown together in a single figure; quantity produced amounted to 762,000 dozen valued at \$5,576,000.

² Women's and misses' cotton and wool vests, panties, step-ins, bloomers, slips, and petticoats are included in the figures for circular knit rayon and silk items in 1939.

³ Includes \$1.3 million of men's underwear and nightwear. A small amount of men's garments is also included in "Other garments made from warp knit fabrics."

⁴ Children's and infants' nightwear were included in the figures for women's, misses', and juniors' nightwear made from woven fabrics in 1939.

⁵ Children's and infants' slips and getrudges were included in the figures for women's, misses', and juniors' woven fabric underwear in 1939.

⁶ This figure is believed to include some cut-and-sew knit fabric underwear which was incorrectly reported under the heading of woven fabric underwear and nightwear.

⁷ No comparable 1939 figures on children's and infants' outerwear are available with the exception of children's and infants' dresses which accounted for 3,244,000 dozen valued at \$26,954,000 and children's and infants' coats which were valued at \$21,148,000 in 1939.

⁸ Children's and infants' headwear accounts for about \$2.0 million of this total; children's and infants' knit outerwear shirts for about \$4.0 million; children's and infants' knit sweaters and saques, for about \$1.5 million; and the remainder is distributed among such items as christening sets, bibs, gym suits, etc. Total figures for children's and infants' knit outerwear may be found under "Knitting mills."

⁹ The production of fur capes, valued at \$1,558,000, was included in the figure for all other fur wearing apparel for 1939.

MISCELLANEOUS APPAREL AND ACCESSORIES

[Money figures in thousands of dollars, quantity figures in thousands of dozens]

PRODUCT	1947		1939			PRODUCT	1947 Production		1939 Production	
	Total shipments and interplant transfers		Production	Production			Quantity	Net sales value f.o.b. plant	Quantity	Value
	Quantity	Value f.o.b. plant	Quantity	Quantity	Value					
Dress, semidress, and work gloves, except leather, total ¹	25,938	\$125,592	26,559	n.a.	n.a.	Leather and sheep-lined clothing, total		\$38,457		\$20,974
Dress and semidress gloves and mittens, total ²	5,727	53,126	5,966			Men's and boys' sheep-lined, except leather coats and jackets.....	46	5,896	} 383	20,974
Seamless fingered (25 percent or more wool content).....	1,102	9,561	1,136	792	\$3,561	Jackets.....	201	29,456		
Men's and boys'.....	307	3,105	331	124	690	Women's and children's leather coats and jackets.....	7	1,566		
Women's and misses'.....						Other leather and sheep-lined clothing.....		1,539	n.a.	n.a.
Seamless gloves and mittens (25 percent or more wool content).....	795	6,456	805	668	2,871	Belts, total		60,117	n.a.	20,238
Dress and semidress gloves and mittens, woven fabric.....	103	526	115	n.a.	n.a.	Belts, leather.....	6,464	39,981		n.a.
All other dress and semidress gloves and mittens.....	4,522	43,039	4,715	n.a.	n.a.	Men's and boys' leather belts.....	2,702	23,106	} 9,199	20,238
Work gloves and mittens	20,211	72,466	20,593	15,107	21,867	Women's and children's leather belts.....	3,762	16,875		
Work gloves and mittens, leather and fabric combination.....	2,660	21,760	2,677	2,790	8,699	Belts, other than leather.....	5,702	17,864		
Work gloves and mittens, cotton flannel, except hot mill and husking.....	12,330	35,310	12,638			Men's and boys', other than leather belts.....	436	2,771		
Work gloves, knitted or from knitted materials.....	3,547	8,882	3,649			Women's and children's, other than leather belts.....	5,266	15,093		n.a.
Fleece cotton jersey.....	2,299	6,285	2,404			Other belts, not specified by kind.....		2,272		
Light-weight circular knit.....	1,248	2,597	1,245	12,317	13,168	Handkerchiefs, total ⁴	28,749	50,929	35,822	20,756
Other textile work gloves and mittens, including hot mill and husking, not elsewhere classified.....	1,674	6,514	1,629			Men's and boys'.....	18,731	32,667	} 35,822	20,756
						Women's and girls'.....	10,018	18,262		
						PRODUCT		Net sales value of products cut from own materials		Value of production
								1947		1939
						Raincoats, waterproof and water repellent, and other waterproof garments (except water-repellent jackets and wool coats)		\$72,057		n.a.
						Men's and boys'		31,279		\$8,679
						Cotton gabardine, twills, and poplins.....		14,766	} 8,679	
						Plastic, resin-coated fabrics, and rubberized and rubber fabrics.....		10,876		
						Other fabrics.....		5,637		
						Women's, misses', and children's		39,242		3,868
						Plastic, resin-coated fabrics.....		4,384	} 3,868	
						Rubberized and rubber.....		1,890		
						Cotton gabardine, twills, and poplins.....		14,106		
						Rayon.....		16,248		
						Plastic, resin-coated, and rubberized and rubber fabrics not specified.....		194		
						Other waterproof garments.....		2,420		n.a.
						Apparel not elsewhere classified.....		14,408		n.a.

n.a.—Not available.

² Withheld to avoid disclosing figures for individual companies.

¹ Knit, fabric, and fabric and leather combined gloves are produced primarily in the fabric and fabric and leather combined dress and work glove industries and in the knit glove mill industry. The figures shown here are also shown in the knit goods group.

³ Figures on dress and semidress gloves and mittens as reported by type are not considered reliable enough to be presented separately. A distribution by type has been presented for 1947 in the current Facts for Industry Series M67D.

⁴ In 1939, women's and children's gloves and mittens were combined.

⁵ Quantity has been estimated for a small percent of the total shown.

⁶ Women's and girls' robes contain an unknown quantity and dollar value for breakfast coats which were reported as women's robes.

⁷ Does not include handkerchiefs made on Schiffli embroidery machines or on Swiss looms. See Schiffli-machine embroideries and Embroideries, except Schiffli-machine.

MISCELLANEOUS FABRICATED TEXTILE PRODUCTS

[All figures in thousands]

PRODUCT	1947		1939		PRODUCT	1947	1939
	Total shipments and interplant transfers		Quantity (pairs or sets)	Value		Total shipments and interplant transfers	Production
	Quantity (pairs or sets)	Value f.o.b. plant				Value f.o.b. plant	Value
Curtains and draperies, total		\$110,833		\$44,287			
Window curtains.....	37,770	89,364	51,267	35,580			
Wholly or chiefly cotton.....	31,589	75,856	n.a.	n.a.			
Other window curtains.....	6,111	13,508					
Draperies.....	2,359	9,931	2,341	5,931			
Wholly or chiefly cotton.....	1,120	6,833	n.a.	n.a.			
Other draperies.....	1,239	3,098					
Other curtains and draperies, unspecified.....		11,538		2,776			
					Housefurnishings, except curtains and draperies		
					Continued.....		
					Other housefurnishings—Continued.....		
					Quilted products.....	\$14,033	
					Mattress protectors.....	5,560	n.a.
					Baby pads.....	4,193	
					Other.....	4,280	
					Tablecloths, napkins, and related articles, except lace.....	22,045	n.a.
					Tablecloths.....	13,014	n.a.
					Napkins.....	2,799	\$769
					Table and dresser covers and scarfs, table dollies and mats, tray cloths, table sets (luncheon, bridge, etc.), and related articles, except lace.....	6,232	n.a.
					Pillows.....	19,823	8,258
					Bed pillows.....	13,294	5,112
					Fancy pillows and cushions.....	6,534	3,146
					Miscellaneous textile housefurnishings, except embroidered.....	110,596	n.a.
					Slip covers.....	32,006	n.a.
					Furniture.....	23,294	5,557
					Mattress.....	4,947	2,057
					Other.....	3,765	n.a.
					Mops and dusters.....	20,601	6,519
					Housefurnishings, except embroidered, n.e.c.....	57,989	8,233
					Textile bags, total.....	334,545	110,504
					Cotton.....	168,246	52,870
					Burlap.....	143,752	50,968
					Other.....	22,647	6,666
					Canvas products, total.....	86,861	23,246
					Awnings.....	20,610	
					Tents.....	5,867	20,514
					Sails.....	3,472	
					Other canvas products.....	37,102	
					Painted awning stripes.....	5,388	2,732
					All other and unspecified products.....	14,422	n.a.
					Pleating, stitching, and tucking for the trade.....	4,774	520
					Trimmings, stamped art goods, and art needlework, total.....	1,119,137	23,551
					Trimmings.....	54,763	8,231
					Dress and coat.....	10,411	3,572
					Automotive and furniture.....	30,826	2,716
					Other.....	13,526	1,943
					Bias binding.....	17,870	10,131
					For the apparel trades.....	13,814	8,654
					For the notion trade.....	4,056	1,477
					Stamped art goods for embroidering and punching.....	7,455	5,189
					Cotton.....	6,648	n.a.
					Other.....	807	
					Other trimmings and art goods, not specified by kind.....	39,049	n.a.

PRODUCT	1947			Receipts for contract work	1939	
	Value of shipments				Value of production	Receipts for contract work
	Total	Made in own plant	Made in plants of contractors			
Schiffli-machine embroideries, total	\$33,421	\$18,858	\$14,563	\$22,504	n.a.	\$13,691
Handkerchiefs.....	1,308	982	326	1,113	n.a.	811
Embroidery on yard goods.....	23,952	12,393	11,559	16,396	n.a.	12,880
Other Schiffli-machine work not specified.....	8,161	5,483	2,678	4,995		
Embroideries, except Schiffli-machine, total	22,037	n.a.	n.a.	21,954	\$2,290	8,454

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production from own materials	
		Quantity	Value f.o.b. plant	Quantity	Value
Other fabricated textile products, total			\$180,590		\$105,671
Auto seat covers	Set	8,414	73,988	4,776	11,690
Diapers	Doz	7,558	15,476	3,530	2,790
Flags, banners, and similar emblems			7,506		6,757
Badges, insignia, and similar emblems (textile)			3,860		
Sleeping bags	Each	130	1,743		
Other fabricated textile products, n.e.c.			78,017		84,434

n.a.—Not available.
 1 Approximately 80 percent reported as produced by manufacturers in their own plants, less than 5 percent reported as produced in the plants of contractors, and about 15 percent not specified.
 2 Value of, or receipts for making 4,235,223 dozen embroidered handkerchiefs in 1939.
 3 Includes the following value for which quantity was not reported: Auto seat covers, \$289,000; diapers, \$20,000.
 4 Includes the value of table and dresser covers and scarfs, table and lunch cloths; horse blankets, fly nets, and related products; sheets and pillow cases, regalia, vestments, costumes, belting (not made in textile mills), and sleeping bags.

Chapter V—LUMBER AND PRODUCTS, EXCEPT FURNITURE

LUMBER AND TIMBER BASIC PRODUCTS

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

(Money figures in thousands of dollars)

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Sawmill and planing mill products			\$2,320,942		\$612,017
Rough lumber and sawed ties.....	M ft. b.m.	¹ 16,559,933	920,452	10,325,205	215,089
Rough lumber, except railway cross ties and mine ties.....	do.	² 16,081,770	901,472	n.a.	n.a.
Railway cross ties.....	do.	³ 439,838	⁴ 17,442	n.a.	n.a.
Mine ties.....	do.	⁵ 38,324	⁶ 1,538	n.a.	n.a.
Hardwood furniture dimension.....	do.	169,375	30,877		
Hardwood dimension, other than furniture.....	do.	107,323	14,653	220,438	12,966
Handle stock.....	do.	14,826	1,681		
Other industrial dimension.....	do.	59,512	8,221		
Interior trim and moulding.....	do.	26,744	3,636		
Treads, risers and thresholds.....	do.	6,441	1,115		
Softwood dimension.....	do.	230,180	22,613	n.a.	n.a.
Furniture dimension.....	do.	45,803	4,208	n.a.	n.a.
Other industrial dimension.....	do.	184,377	18,405	n.a.	n.a.
Dressed lumber, excluding flooring.....	do.	16,956,640	1,185,762		
Softwood flooring.....	do.	632,663	51,519		
Hardwood flooring.....	do.	513,243	72,393	15,435,432	375,623
Oak.....	do.	392,788	57,892		
Maple.....	do.	62,736	8,808		
Other hardwoods.....	do.	57,719	5,693		
Sawmill and planing mill products, not elsewhere classified.....			7,939	n.a.	n.a.
Lath.....	M pieces	171,656	2,056	562,207	1,915
Other.....			5,883	n.a.	n.a.
Sawmill and planing mill products, not specified by type.....			14,734		6,424
Veneer			73,360	n.a.	22,061
Hardwood.....	M sq. ft. surf. meas.	2,761,912	63,210	n.a.	n.a.
Commercial or utility.....	do.	1,547,420	33,623	n.a.	n.a.
Fancy and figured.....	do.	550,482	17,838	n.a.	n.a.
Container.....	do.	596,014	9,369	n.a.	n.a.
Veneer, not specified by type.....	do.	67,996	2,380	n.a.	n.a.
Softwood.....	do.	592,319	8,749	n.a.	n.a.
Commercial or utility.....	do.	333,739	4,605	n.a.	n.a.
Fancy and figured.....	do.	(¹)	(¹)	n.a.	n.a.
Container.....	M sq. ft. surf. meas.	200,426	3,414	n.a.	n.a.
Veneer, not specified by type.....	do.	58,154	730	n.a.	n.a.
Other veneer, not specified by kind or type.....			1,401	n.a.	n.a.
Shingles and shakes.....	Square.....	3,831,939	30,541	6,500,242	16,641
Cooperage stock			56,892		15,657
Slack staves.....	M.....	360,007	7,648		
Slack heading.....	M sets.....	37,005	5,374	n.a.	7,009
Slack hoops.....	M.....	10,877	236		
Tight staves.....	do.....	114,661	31,100	n.a.	8,648
Tight heading.....	M sets.....	9,319	10,964		
Other cooperage stock, not specified by type.....			1,570		
Excelsior products			7,601		2,955
Excelsior, baled or bulk.....	Short tons.....	³ 112,295	4,191	⁴ 98,321	1,686
Excelsior pads and wrappers.....			⁵ 3,410		⁶ 1,269

n.a.—Not available.

¹ The footage of lumber and ties shipped by the small mills (those cutting between 200 M to 1,000 M feet b.m.) was estimated on the basis of the average value per thousand feet of rough lumber for the larger mills applied to the total value of shipments by the small mills for each State. The quantity thus estimated, amounted to approximately 22 percent of the national total of rough lumber and ties shipped.

² Includes a small amount of ties produced in small mills.

³ Railway ties and mine ties produced by the small mills are not included in these figures but are included in the total footage and value figures above. See footnotes 1 and 2.

⁴ Included in veneer, not specified by type, to avoid disclosing figures for individual companies.

⁵ In addition, the following amounts of excelsior were produced and used as a material in plants manufacturing excelsior pads, etc.: 1947, 41,000 tons; 1939, 25,000 tons.

⁶ Includes a small quantity of miscellaneous excelsior products not classifiable.

TABLE B.—LUMBER—PRODUCTION BY PRINCIPAL KIND OF WOOD, FOR SELECTED YEARS: 1939-1947

[In thousands of board feet, lumber tally]

KIND OF WOOD	1947	1946	1945	1942	1939
Total production	35,404,212	34,112,357	1 28,122,344	36,332,248	2 25,148,384
Softwood, total	27,937,398	25,856,584	1 21,139,872	29,510,184	2 21,407,699
Cedar:					
Eastern.....	50,579	43,848	***25,000	38,735	27,337
Incese.....	79,543	71,361	52,524	40,696	
Port Orford.....	16,607	30,660	37,259	59,574	236,363
Western red.....	2 218,173	1 180,462	187,803	162,436	
Cypress.....	240,445	237,652	228,388	319,413	421,584
Fir:					
Balsam.....	27,368	*12,017	n.a.	9,173	20,002
Douglas.....	9,043,403	7,639,635	6,237,312	8,549,755	6,494,301
Red.....	n.a.	48,617	n.a.	n.a.	n.a.
White.....	672,870	4 635,393	499,266	274,295	97,712
Hemlock.....	1,243,574	1,215,947	1,038,999	1,083,751	665,259
Larch.....	292,049	***268,635	1 190,722	201,222	111,488
Pine:					
Eastern white.....	1,118,556	1,164,816	1,022,625	1,082,651	2 667,626
Idaho white.....	251,907	253,292	246,128	395,363	490,560
Lodgepole.....	99,600	86,220	65,358	66,358	54,803
Ponderosa.....	3,839,058	3,630,315	3,056,281	4,030,180	3,360,004
Southern yellow.....	9,473,360	9,375,859	7,210,066	11,761,367	7,749,188
Sugar.....	343,173	343,978	228,103	335,366	308,929
Redwood.....	6 529,921	6 243,325	443,807	461,552	345,033
Spruce:					
Eastern.....	126,504	7 107,710	**117,387	147,258	104,491
Engelmann.....	101,777	93,173	70,591	77,829	241,668
Sitka.....	163,322	168,562	169,841	405,160	
Other softwoods.....	6 5,609	*** 5,107	***10,032		2 11,381
Hardwood, total	7,466,814	8,255,773	1 6,982,472	6,822,064	2 3,740,685
Alder.....	23,904	33,715	13,749	14,511	21,016
Ash.....	106,126	100,366	84,436	117,406	93,428
Basswood.....	125,514	115,621	100,044	133,438	95,706
Beech.....	330,111	329,693	352,140	317,384	119,564
Birch.....	174,842	172,527	151,869	214,734	140,738
Cherry.....	42,006	29,518	n.a.	n.a.	n.a.
Chestnut.....	32,887	44,128	n.a.	74,087	74,051
Cottonwood and aspen.....	380,910	311,964	209,038	282,562	129,858
Elm.....	202,023	180,120	158,513	167,153	73,645
Gum, black and tupelo.....	407,973	612,127	438,703	303,804	271,486
Gum, red and sap.....	803,043	1,079,720	970,678	839,522	382,693
Hickory.....	155,947	186,783	158,651	116,359	37,759
Maple.....	630,495	597,995	522,100	641,986	445,163
Oak.....	3,192,842	3,378,099	2,858,862	2,762,540	1,432,119
Yellow poplar.....	635,521	826,876	578,463	542,917	276,383
Sycamore.....	63,296	67,338	n.a.	77,698	27,104
Walnut.....	34,077	29,263	n.a.	56,248	27,007
Other hardwoods ⁹	125,297	10 159,920	300,905	156,715	2 95,965

n.a.—Not available.

¹ Data for Prairie States in 1945 available for total softwood and total hardwood production only, 2,380 and 84,321 M feet, b.m., respectively. Therefore details for species do not add to softwood and hardwood totals for this year.

² Data revised to include timber in New England salvaged from the hurricane of 1938, and sold to the Northeastern Timber Salvage Administration, as follows: white pine, 153,924 M feet, b.m.; other softwoods, 11,381 M feet, b.m.; and hardwoods not specified by kind, 7,605 M feet, b.m.; total 172,910 M feet, b.m.

³ Includes the following amounts of Alaska yellow cedar: 1947, 98 M feet, b.m.; 1946, 42 M feet, b.m.

⁴ Includes 7,744 M feet, b.m. of noble fir and 4,067 M feet, b.m. of silver fir, for which separate production figures were requested.

⁵ Production figures for larch (tamarack) not requested in Eastern States.

⁶ Includes the following amounts of "Big Tree": 1947, 1,083 M feet, b.m.; 1946, 475 M feet, b.m.

⁷ Includes unspecified amount of fir in Vermont.

⁸ Includes the following amounts of Monterey pine: 1947, 4,052 M feet, b.m.; 1946, 3,800 M feet, b.m.

⁹ Includes mixed woods, imported species, and woods not specified.

¹⁰ Includes small amounts of buckeye, hackberry, locust, magnolia, pecan, persimmon, and willow. Figures for these species in the South were published in "Lumber Production in the South, 1946," Facts for Industry series M13G.16-06.

CENSUS OF MANUFACTURES: 1947

TABLE C.—VENEER PRODUCED IN SELECTED INDUSTRIES BY KIND OF WOOD: 1947

[In M sq. ft. surface measure]

PRODUCT	Total ¹	Produced in the Veneer Industry ²	Produced in the Plywood Industry	Produced in the Box Industry	Produced in the Basket Industry
Total, all woods	13,350,511	3,051,058	6,640,613	2,592,894	1,065,946
Gumwoods.....	4,189,516	1,375,938	1,281,562	927,355	604,061
Mahogany.....	250,042	244,927	5,115		
Walnut.....	154,615	148,165	6,450		
Oak.....	211,123	145,169	65,954		
Birch.....	601,036	150,577	430,383		20,076
Maple.....	359,848	84,872	244,434	(³)	30,542
Poplar.....	323,521	250,325	73,196		
Douglas fir.....	4,341,941	167,694	4,174,247		
All other and unspecified woods.....	2,918,869	483,391	359,272	1,665,539	410,667

¹ The quantities of veneer produced in other industries, such as the Furniture Industry, etc., are not available.² A total of 5,044 M square feet, face area, of plywood, consisting of 2,391 M square feet of gumwoods and 2,653 M square feet of "All other and unspecified woods" was produced in the Veneer Industry during 1947.³ Combined with "All other and unspecified woods" to avoid disclosing figures for individual companies.TABLE D.—PRODUCTION OF COOPERAGE STOCK BY KIND OF WOOD: 1947 ¹

KIND OF WOOD	TOTAL					COOPERAGE STOCK INDUSTRY					COOPERAGE INDUSTRY				
	Slack cooperage stock			Tight cooperage stock		Slack cooperage stock			Tight cooperage stock		Slack cooperage stock			Tight cooperage stock	
	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)	Staves (M)	Heading (M sets)	Hoops (M)	Staves (M)	Heading (M sets)
Total	406,781	36,539	10,457	131,104	9,807	383,857	35,840	(²)	99,096	(²)	22,924	699	(²)	32,008	(²)
Hardwood.....	256,363	434	10,457	102,166	7,131	245,226	86	(²)	83,980	(²)	11,137	348	(²)	18,186	(²)
Oak.....	30,015	(²)	(²)	88,471	6,645	(²)			73,243	5,896	(²)	(²)	(²)	15,228	749
Red gum.....	226,348	434	10,457	6,612	116	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Other hardwoods.....	150,418	36,105		7,083	370	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Softwood.....				28,938	2,676	138,631	35,754		15,116	(²)	11,787	351		13,822	(²)

¹ Includes all production of cooperage stock in the cooperage stock and cooperage industries. Does not include a small amount produced in establishments classified in other industries.² Cannot be shown separately without disclosing figures for individual companies.

MILLWORK, PLYWOOD, AND PREFABRICATED STRUCTURAL WOOD PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value
Millwork, total			\$482,566		\$215,914
Sash, other than storm sash ²	Thousands	38,581	64,374	n.a.	n.a.
Window and door frames (including cellar window and door frames).....	do	10,281	60,423	8,367	21,388
Doors:					
General construction, interior and exterior.....	do	14,024	98,139	n.a.	n.a.
Hardwood.....	do	690	9,971	484	3,688
Western pine.....	do	4,551	32,503	4,765	14,841
Southern yellow pine.....	do	389	3,951		
Douglas fir.....	do	7,692	44,655	7,130	11,166
Other softwoods.....	do	702	7,059	n.a.	n.a.
Cabinet work (to be built-in, including partitions to be built-in, such as kitchen cabinets, broom closets, medicine cabinets, vegetable bins, mantels, china cases, etc.).....			47,221		n.a.
Stairwork, including balusters, brackets, crooks, newels, rails, treads, risers, stairs, etc.....			10,506		n.a.
Exterior millwork, including porch columns, porch rails and newels, trellises, outside blinds, etc.....			8,612		n.a.
Other millwork products.....			129,715		n.a.
Tanks and vats.....			10,295		4,172
Pipe and conduits.....			1,898		n.a.
Moldings and interior trim.....	Thous. ft. b.m.	339,766	70,292		n.a.
Exterior entrances.....	Thousands	332	5,567		n.a.
Garage doors ⁴	do	546	22,015	407	4,515
Other doors ⁵	do	2,289	10,999	n.a.	n.a.
Other millwork products, n. e. c.....			8,739		n.a.
Millwork products not specified.....			63,576		156,144

PRODUCT	1947		1939			
	Total shipments and interplant transfers		Total production for sale and interplant transfer			
	Quantity ⁷	Value f.o.b. plant	Total value	Quantity and value reported		Value only reported
				Quantity M. sq. ft., (3/8" basis)	Value	
Plywood, total		\$259,060	\$53,874	1,217,008	\$48,503	\$5,371
Softwood plywood.....	(Thousand square feet (3/8" basis))					
Interior.....	1,591,634	130,126	33,059	1,042,606	33,059	
Exterior.....	995,055	77,087	n.a.	n.a.	n.a.	
Fancy and figured.....	574,313	51,792	n.a.	n.a.	n.a.	
Container.....	22,266	1,247	n.a.	n.a.	n.a.	
Hardwood plywood.....	(Thousand square feet face area)					
Commercial or utility.....	846,294	119,438	20,815	234,402	15,444	5,371
Fancy and figured.....	531,387	79,092	8,041	141,314	5,779	2,282
Container.....	195,351	34,143	12,774	93,088	9,665	3,109
Nonwood face plywood.....	67,526	9,350	n.a.	n.a.	n.a.	n.a.
Plywood not specified by kind.....	n.a.	146	n.a.	n.a.	n.a.	n.a.

PRODUCT	1947		PRODUCT	1947	
	Total shipments and interplant transfers			Total shipments and interplant transfers	
	Quantity (number)	Value f.o.b. plant		Quantity (number)	Value f.o.b. plant
Prefabricated wooden dwellings.....	24,540	\$62,948	Ready-cut wooden buildings, total.....		\$11,184
Prefabricated wooden buildings, except dwellings, total.....	12,650	4,311	Dwellings.....	3,225	9,153
Farm buildings.....	1,862	1,862	Garages.....	3,407	1,688
Garages.....	5,115	4,431	Farm and other buildings.....	750	963
Other.....	n.a.		Wooden panels or sections for prefabricated buildings.....		4,311
			Prefabricated or laminated timbers or structural members.....		10,616
			Prefabricated wooden products, not specified by kind.....		1,563

n.a.—Not available.

¹ Except for the \$8,461,853 worth of portable and ready-cut houses produced in 1939, comparable statistics are not available for that year for prefabricated wood products.

² Includes open and glazed sash. Double-hung window counted as two sash.

³ 10-15 percent estimated.

⁴ Quantity information requested as "number." Average value of garage doors reported indicates that generally openings were used as the basis of reporting.

⁵ Includes all types of doors not listed ranging from large industrial doors to doors of very small dimensions.

⁶ Contains miscellaneous millwork not reported by kind and millwork products which could not be separated to enable valid comparisons with the 1947 detail. Also includes 34,993,000 sash of all types valued at \$24,481,000.

⁷ Quantities of hardwood plywood and nonwood face plywood shown for 1947 are not comparable with 1939 because the 1947 figures were requested in terms of face area regardless of thickness while the 1939 figures were requested on a 3/8" basis.

⁸ Includes data on container grade plywood.

⁹ Not called for separately; see figures for commercial or utility.

WOODEN CONTAINERS

[Money figures in thousands of dollars]

PRODUCT	1947		1939		PRODUCT	1947		1939		
	Shipments and interplant transfers (value f.o.b. plant)	Production		Shipments and interplant transfers (value f.o.b. plant)		Production				
		Quantity	Value			Quantity	Value			
Fruit and vegetable baskets and hampers	\$31,741			\$15,224	Rattan and willow ware	\$6,823			\$4,087	
Hampers and round stave baskets	22,455				Cigar boxes, wooden and part wooden	9,482	n.a.	n.a.	(M boxes)	
Climax baskets	1,461								76,648	5,856
Splint baskets	2,653								5,679	530
Berry cups and tills	3,087								57,734	4,307
Other and baskets not specified by kind	2,085								11,981	917
									1,254	102

PRODUCT	1947			Production (value)	PRODUCT	1947			Production (value)
	Shipments and interplant transfers (value f.o.b. plant)					Shipments and interplant transfers (value f.o.b. plant)			
	Total	Made from purchased shooK	Made from raw materials (lumber, veneer, plywood, etc.)			Total	Made from purchased shooK	Made from raw materials (lumber, veneer, plywood, etc.)	
Wooden boxes and shooK (except cigar boxes)	\$406,986			\$126,019	Wooden boxes and shooK (except cigar boxes)—Continued				
Wirebound boxes for fruits and vegetables	17,936	\$691	\$17,245	9,010	Combination wood and fiber boxes	\$13,387	\$248	\$13,139	\$640
Made from lumber	7,759	195	7,564	2,059	Box shooK, fruit, vegetable, industrial, etc.	159,889			
Made from veneer and plywood	10,177	496	9,681	6,951	Made from lumber	94,852			
Wirebound boxes for industrial and other uses	54,923	3,958	50,965	14,506	For fruits and vegetables	43,701			
Made from lumber	17,035	3,234	13,801	7,311	For industrial and other uses	51,151			
Made from veneer and plywood	37,888	724	37,164	7,195	Made from veneer	12,444			
Non-wirebound boxes for fruits and vegetables	24,083	11,660	12,423	40,399	For fruits and vegetables	9,605			(1)
Made from lumber	17,285	10,978	6,307	29,258	For industrial and other uses	2,839			
Made from veneer	6,798	682	6,116	11,141	Made from plywood	28,537			
Non-wirebound boxes for industrial and other uses	108,187	11,671	96,516	61,464	For fruits and vegetables	2,056			
Made from lumber	91,550	9,806	81,744	48,381	For industrial and other uses	28,537			
Made from veneer and plywood	16,637	1,865	14,772	13,083	Box shooK not specified by type	24,056			
					Boxes not specified by type	28,581			

PRODUCT	1947		1939			
	Total shipments and interplant transfers		Total value	Quantity and value reported		Value only reported
	Quantity (M units)	Value f.o.b. plant		Quantity (M units)	Value	
Cooperage		\$101,981	\$34,569	38,614	\$32,872	\$1,697
Slack cooperage	34,599	30,031	12,061	22,395	11,271	790
Hogsheads, barrels, and kegs for:						
Food and food products	3,207	5,260				
Chemicals	1,034	1,654				
Hardware, wire, and metal products	10,378	5,423	n.a.	n.a.	n.a.	n.a.
Nails	8,661	3,287				
Other products	11,319	14,407				
Tight cooperage	9,319	67,550	22,508	16,219	21,601	907
Hogsheads, barrels, and kegs for:						
Bourbon and other whiskey	3,115	45,636	7,942	1,762	7,942	
Beer, ale, spirits, and wine	(3) 2,741	(3) 15,654	1,340	371	1,242	98
Food products	440	2,161				
Chemicals, inedible oils, and greases	346	1,829	9,324	4,884	8,821	508
Other products	2,677	2,270				
Tubs, pails, kits, buckets, firkins, etc.		3,168	3,902	9,202	3,596	306
Cooperage not specified by type		1,232				
Recoopered barrels and kegs	692	1,232				
Slack barrels and kegs	332	422	n.a.	n.a.	n.a.	n.a.
Tight barrels and kegs	360	810				

n.a.—Not available.

¹ Estimated in part for all sizes.

² A small amount of plywood fruit and vegetable shooK has been combined with other plywood shooK to avoid disclosing figures for individual companies.

³ Includes \$8,075,000 for small establishments that were not asked to report a breakdown of total shipments.

⁴ ShooK included with boxes.

⁵ Beer, ale, spirit and wine barrels and kegs were combined with food barrels and kegs to avoid disclosing figures for individual companies.

MISCELLANEOUS WOOD PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Wood preserving (total value of treated products) ¹		\$299, 279		\$104, 753
Wood owned and treated for sale		141, 881		64, 535
Wood owned and treated for own use		244, 017		40, 218
Wood owned by others and treated on a custom basis		113, 381		13, 754
Amount received for treating		32, 711		26, 464
Estimated value of wood, before treatment		80, 670		
Lasts and related products		12, 673		6, 107
	(M pairs)			
Lasts for boots and shoes		9, 842	3, 091	5, 051
Wood	3, 502	3, 384		
Aluminum	118	641	(d)	(d)
Remodeled lasts	232	176	n. a.	275
	(M)			
Last sole patterns	656	205	965	154
Wood	342	118	1763	135
Other patterns and patterns not specified by kind	314	87	202	19
Shoe trees and stretchers and forms for boots and shoes		2, 267		627
Lasts and related products, not elsewhere classified or specified by kind		183		
Frames for mirrors and pictures		14, 435		11, 169
Wood		7, 610		7, 633
Metal		6, 825		3, 120
Other frames and frames not specified by kind				416
Other mirror and picture products		10, 221		
Framed pictures		7, 031		(e)
Mirror and picture products, not elsewhere classified or specified by kind		3, 190		1, 978
Handles, wood		38, 524		12, 657
Hand tool handles		22, 036		6, 988
Striking tool handles (ax, pick, hammer, etc.)		11, 414		4, 460
Lifting and pulling tool handles (fork, hoe, rake, spade, shovel, etc.)		5, 821		2, 528
Other hand tool handles (peavey, scythe, mechanics, farm, garden, household, etc.)		4, 801		5, 669
Other handles		14, 394		
Handles not specified by kind		2, 094		
Furniture parts, textile machinery turnings, and vehicle stock		54, 231		20, 142
Furniture parts, turned, shaped, and carved (legs, rungs, spindles, drawer stops, etc.)		21, 157		6, 612
Textile machinery turnings and shapes (bobbins, spools, shuttles, picker sticks, etc.)		11, 841		6, 664
Vehicle stock (body parts, rims, spokes, hubs, etc.)		21, 233		6, 866
Ladders, wood		17, 616		4, 841
	(M lin. ft.)			
Stepladders	13, 048	7, 521	n. a.	4, 384
Rung ladders	17, 235	8, 922	n. a.	
Other scaffolding equipment and ladders, not specified by kind		1, 173		457
Other wood products, not elsewhere classified		134, 735		43, 514
Wood novelties and specialties (book ends, ash trays, etc.)		11, 821		6, 829
Woodenware		15, 256		
Turned, shaped, and molded (dishes, serving forks and spoons, salad and mixing bowls, etc.)		9, 469		(f)
Stamped (forks, spoons, plates, depressors, applicators, etc.)		5, 787		
Battery separators		6, 406		4, 304
Other wood products, not elsewhere classified		101, 252		32, 381
Wood products, not specified by kind		18, 938		

n. a.—Not available.

¹ Withheld to avoid disclosing figures for individual companies.

² The value of wood products treated at sawmills and planing mills, which is believed to constitute less than 5 percent of the total value of treated wood products, is excluded from these data.

³ The majority of establishments treating wood products for their own use reported the value of treated wood at cost instead of at the estimated market value, for both 1947 and 1939. Market values for these firms were estimated in 1947, resulting in an addition of about \$5.5 million. In 1939, however, the original figures reported were used. If market values had been estimated for such firms in 1939, less than 5 percent would have been added to the value for that year.

⁴ Estimated in part.

⁵ Includes a small value representing receipts for repair work and for contract and commission work.

⁶ Originally published in "M pairs." Converted to "M" to conform to 1947 data and to industry practices. Those quantities were also estimated in part.

⁷ Framed pictures were not reported as a separate item in 1939. It is believed that a significant but indeterminate portion of the value of frames for that year actually refers to framed pictures.

⁸ Includes total shipments (\$2.4 million) of 100 small establishments, classified in the "Mirror Frame and Picture Frame" industry, for which no detailed breakdown of shipments was tabulated.

⁹ Manufacturers reported the production in 1939 of approximately \$9.6 million worth of bowls, dishes, pastry boards, clothespins, ironing boards, clothes racks, washboards, toothpicks, skewers, etc. listed as "woodenware" in 1939. Since the 1939 combined figures includes data for items not included in the 1947 figure, the \$9.6 million has been added into the "other wood products, n. e. c.," total for 1939.

¹⁰ Classified in the planing mill industry in 1939.

¹¹ Includes a large variety of miscellaneous wood turnings and other wood products. The major items included are toilet seats (regardless of materials), pencil slats, and cable and wire reels.

¹² Toilet seats were classified in the "Enamelled-Iron Sanitary Ware and Other Plumbers' Supplies" industry in 1939 but have been since reassigned to the "Wood Products, n. e. c.," industry. The value of 1939 production for this item (approximately \$5.7 million) has therefore been added to the "Other Wood Products, n. e. c.," total published in 1939.

¹³ Includes total shipments (\$15.4 million) of 630 small establishments, classified in the "Wood Products, n. e. c.," industry, for which no detailed breakdown of shipments was tabulated.

Chapter VI—FURNITURE AND FIXTURES

HOUSEHOLD FURNITURE

[Money figures in thousands of dollars]

PRODUCT	1947		1939	PRODUCT	1947		1939
	Total shipments and interplant transfers		Production		Total shipments and interplant transfers		Production
	Quantity (thousands of units)	Value f.o.b. plant	Value		Quantity (thousands of units)	Value f.o.b. plant	Value
Wood house furniture, except upholstered		\$892,276	\$279,165	Wood house furniture, except upholstered—			
Living room, library, sunroom, and hall furniture.....		269,136	64,802	Continued			
Suites (sofa, davenport and one or more chairs), except upholstered.....		4,633	1,125	Furniture-in-the-white (unpainted).....		15,399	560
Sofas, davenports, settees, love seats, except upholstered.....		3,020	782	Bookcases.....		1,536	
Chairs, rockers, and ottomans, except upholstered.....		10,137	1,444	Chairs.....		2,759	n.a.
Tables.....		74,226	18,053	Tables.....		1,365	
Cabinets.....		128,147	24,480	Beds.....		239	
Radio, phonograph, and radio-phonograph.....		102,267	18,556	Chests of drawers.....		6,338	
Sewing machine.....		(d)	3,005	Other furniture-in-the-white.....		3,162	
Other cabinets.....		125,880	2,919	Other wood household furniture, except upholstered.....		2,054	40,308
Desks.....		16,236	3,875	Wood household furniture, not specified by kind.....		36,207	
Secretaries and breakfronts.....		8,002		Household furniture, upholstered		419,126	151,858
Credenzas, bookcases, and bookshelves.....		8,382	4,828	Living room, library, sunroom, and hall furniture.....		316,950	140,672
Card tables and chairs (folding and nonfolding).....		7,978	2,984	Suites.....		186,441	74,166
Other living room, library, sunroom, and hall furniture.....		8,375	7,231	Sofas, davenports, settees, and love seats.....		49,006	40,431
Dining room and junior dining room furniture		112,568	34,507	Chairs, rockers, and ottomans.....		81,503	28,075
Suites.....		68,001		Other household furniture, upholstered.....		87,936	
Dinette sets.....		21,995	22,851	Dining room chairs.....		6,151	4,257
Tables.....		9,784	4,136	Bedroom chairs, rockers, benches, and chaise lounges.....		8,182	(?)
Chairs.....		5,365	3,255	Studio-couches, sofa-beds, chair-beds, etc.....		59,323	(?)
Buffets and servers.....		4,809		Furniture frames for household furniture.....		14,280	6,929
China and corner cabinets.....		2,614	4,265	Household furniture, upholstered, not specified by kind.....		14,240	
Bedroom furniture		345,028	102,177	Reed and rattan furniture		8,123	2,821
Suites.....		281,890	67,688	Bassinetts.....		2,194	n.a.
Beds (except bunk beds and infants' and children's beds).....		14,517	7,975	All other reed and rattan furniture.....		5,929	n.a.
Bunk beds.....		1,828	n.a.	Metal house furniture, except upholstered		218,223	41,999
Dressers, vanities, and dressing tables.....		10,338	9,969	Living room, dining room, bedroom, and infants' and children's furniture.....		31,089	14,509
Chiffoniers, chifforobes, chests of drawers, wardrobes, etc.....		15,864	5,999	Card tables and chairs (folding and nonfolding).....		7,800	2,224
Cedar chests.....		19,670	6,765	Other living room metal furniture.....		2,198	2,068
Chairs, benches, rockers, and chaise lounges, except upholstered.....		921	3,781	Dining room and junior dining room furniture.....	n.a.	1,322	499
Infants' and children's furniture		49,672	8,303	Bedroom furniture.....		19,769	9,718
Cribs, cradles, and youth beds.....		1,211	20,404	Suites and individual pieces, except bedsprings, metal beds, and cots.....		2,311	1,071
Baby baths.....		870	6,787	Folding and rollable cots.....		879	7,783
High chairs.....		1,146	7,738	Beds.....		1,129	9,675
Play yards.....		438	3,476	Kitchen furniture		144,130	14,147
Nursery seats and chairs.....		941	2,603	Cabinets.....		77,013	9,345
Other and infants' and children's furniture, not reported by kind.....		8,664		Breakfast sets, except tubular.....		1,272	876
Kitchen furniture		54,186	26,216	Tubular metal breakfast sets.....		57,243	
Cabinets.....		39,327	9,067	Chairs and stools.....		6,708	1,944
Breakfast sets.....		11,728	1,123	Tables.....		1,520	1,730
Chairs and stools.....		2,399	4,371	Other kitchen furniture.....		374	252
Tables.....		732	2,655	Other metal house furniture		n.a.	43,004
Porch and lawn furniture, including beach furniture and steamer chairs		8,026	2,292	Porch and lawn furniture.....		17,699	5,849
Suites and sets.....		109	n.a.	Suites and sets.....		880	n.a.
Tables.....		428	27	Tables.....		319	273
Chairs, rockers, benches, and chaise lounges.....		5,471	1,643	Chairs, rockers, benches, and chaise lounges.....		8,995	1,962
Settees.....		269		Settees.....		792	3,611
Gliders, swings, and hammocks.....		1,749	622	Gliders, swings, and hammocks.....		6,713	
				Other and metal house furniture, not specified by kind.....		25,305	7,494
				Household furniture, n.e.c.....		8,201	

See footnotes at end of table.

FURNITURE AND FIXTURES

PRODUCT	1947		1939			
	Quantity (thousands of units)	Value	Total value	Quantity and value reported		Value only reported
				Quantity (thousands of units)	Value	
Mattresses and bedsprings		\$267,693	\$92,218		\$73,559	\$18,659
Hollywood beds	190	5,397	(¹²)			
Bedsprings		75,130	24,638	3,865	18,291	6,347
Box springs	2,020	44,334	7,010	590	5,460	1,550
Coil springs	3,119	27,634	15,208	2,889	11,539	3,669
Flat bedsprings	466	3,044	2,099	386	1,292	807
Bedsprings, not specified by kind	n.a.	118	321			321
Mattresses		172,073	64,888	7,080	55,268	9,620
Innerspring	6,226	136,243	47,416	4,073	41,043	6,373
Foam rubber	34	1,054				
Mattresses and pads for infants' cribs and baskets	1,637	10,930	17,472	3,007	14,225	3,247
Other mattresses	1,861	22,761				
Mattresses, quantity not specified	n.a.	1,085				
Other bedding products, and products not reported by kind		¹³ 15,093	2,692			2,692

^d Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

¹ Includes sewing machine cabinets, which cannot be shown separately without disclosing figures for individual companies.

² Also includes bunk beds and youth beds.

³ Includes upholstered wood frame.

⁴ Represents only cribs and cradles.

⁵ Includes \$22,912,000 for small establishments that were not asked to report a breakdown of total shipments.

⁶ Also includes studio-couches, sofa-beds, and other dual purpose furniture.

⁷ Included in bedroom furniture; see wood house furniture, except upholstered.

⁸ Quantity shipped, 1,209,865 units.

⁹ Included in figure above for sofas, davenports, etc.

¹⁰ Includes \$12,426,000 for small establishments that were not asked to report a breakdown of total shipments.

¹¹ Includes \$4,807,000 for small establishments that were not asked to report a breakdown of total shipments.

¹² Not called for separately; presumably reported under innerspring mattresses and box springs.

¹³ Includes \$10,465,000 for small establishments that were not asked to report a breakdown of total shipments.

OFFICE, PUBLIC-BUILDING, AND PROFESSIONAL FURNITURE

[Money figures in thousands of dollars]

PRODUCT	1947	1939	PRODUCT	1947	1939
	Shipments and interplant transfers	Production		Shipments and interplant transfers	Production
Wood office furniture, total	\$55,343	\$16,754	Metal office furniture, total	\$120,387	\$31,580
Chairs, stools, sofas, couches, settees, etc.....	19,687	n.a.	Chairs, stools, sofas, couches, settees, etc.....	16,687	n.a.
Chairs and stools.....	17,436	7,009	Chairs and stools.....	15,577	4,440
Sofas, couches, settees, etc.....	2,251	(¹)	Sofas, couches, settees, etc.....	1,110	(¹)
Desks.....	21,210	6,464	Desks.....	14,109	4,504
Executive type.....	15,002	n.a.	Executive type.....	10,860	n.a.
Stenographer type.....	6,208	n.a.	Stenographer type.....	3,240	n.a.
Cabinets and cases.....	5,297	1,444	Cabinets and cases.....	76,775	19,174
Filing.....	3,273	n.a.	Filing.....	70,681	n.a.
Other.....	2,019	n.a.	Other.....	6,094	n.a.
Other office furniture.....	7,069	n.a.	Other office furniture.....	7,567	n.a.
Tables and stands.....	4,041	n.a.	Tables and stands.....	5,209	n.a.
Miscellaneous office furniture.....	3,023	1,837	Miscellaneous office furniture.....	2,358	3,462
Office furniture, not specified by kind.....	2,080		Office furniture, not specified by kind.....	5,249	

PRODUCT	1947			1939		
	Shipments and interplant transfers			Production		
	Total	Wood	Metal	Total	Wood	Metal
Public-building and related furniture, total	\$64,077	\$19,407	\$44,670	\$29,425	\$16,119	\$13,306
Public-building furniture.....	34,835	12,622	22,213	18,792	11,643	7,149
School furniture.....	12,279	5,278	7,001	n.a.	n.a.	n.a.
Desks and desk-seat combinations.....	4,949	933	4,016	3,752	1,872	1,880
Tablet-arm chairs.....	2,114	1,190	924	(¹)	(¹)	(¹)
Other chairs, benches, and stools.....	2,260	1,017	1,243	(¹)	(¹)	(¹)
Other school furniture.....	2,956	2,138	818			
Other public-building furniture.....	22,556	7,344	15,212	n.a.	n.a.	n.a.
Church pews.....	2,381	2,381		1,569	1,569	(¹)
Other church furniture.....	2,032	2,032				
Chairs and seats.....	15,625	1,237	14,388	7,471	8,202	5,269
Theatre and auditorium.....	13,626					
Ganged chairs.....	9,336					
Single chairs.....	4,290	(^d)	(^d)	n.a.	n.a.	n.a.
Outdoor stadium and grandstand.....	1,999					
Ganged chairs and seats.....	1,654					
Single chairs and seats.....	345					
Miscellaneous public-building furniture.....	2,518	1,694	824	(¹)	(¹)	(¹)
Seats for public conveyances.....	23,324	867	22,457	4,403	153	4,250
Public-building and related furniture, not specified by kind.....	5,918	5,918	(¹)	6,230	4,323	1,907

PRODUCT	1947				1939		
	Shipments and interplant transfers				Production		
	Total	Wood	Metal	Material not specified	Total	Wood	Metal
Professional furniture, total	\$44,820	\$12,184	\$24,900	\$7,736	\$13,877	\$6,152	\$7,725
Barber shop and beauty parlor furniture.....	4,790	2,592	858	1,340	4,164	2,304	1,860
Hospital furniture.....	19,063	1,814	13,922	3,327	4,174	976	3,198
Beds.....	1,970	(^d)	1,970		917	294	623
Bedsprings.....	1,979		1,979				
Other hospital furniture.....	15,114	1,814	9,973	3,327	3,257	682	2,575
Laboratory furniture.....	16,187	6,985	9,202	(^d)	3,892	1,943	1,949
Cabinets and cases.....	11,402	5,777	10,562	(^d)	321	1,943	1,949
Other laboratory furniture.....	4,785	1,208	10,357	(^d)	3,571	929	718
Professional furniture, not specified by kind.....	4,780	793	918	3,069	1,647		
Partitions and fixtures, total	239,100	132,347	74,188	32,565	68,539	42,134	26,405
Partitions, shelving, and lockers.....	62,108	12,744	48,162	1,202			
Partitions.....	22,239	5,060	16,529	700	46,573	34,318	12,255
Shelving.....	28,394	6,654	21,238	502	8,082	693	7,389
Lockers.....	11,425	1,030	10,395		4,717	25	4,692
Cases, cabinets, counters, and other fixtures.....	132,961	99,383	23,045	10,533			
Show and display cases and tables.....	61,281	52,345	3,552	5,384			
Cabinets.....	18,626	12,118	5,181	1,327			
Counters.....	14,289	12,684	730	875	(¹²)	(¹²)	(¹²)
Other furniture and fixtures and cases, cabinets, etc., not reported separately.....	38,765	22,236	13,582	2,947			
Partitions and fixtures, not reported by kind.....	44,031	20,220	2,981	20,830	9,167	7,098	2,069

n. a. — Not available.

¹ Withheld to avoid disclosing figures for individual companies.

² Included in "Miscellaneous office furniture."

³ Also includes "Tables and stands."

⁴ Includes "Cabinets and cases," not further classified.

⁵ Included in "Public-building and related furniture, not specified by kind."

⁶ Includes only "Church pews and pulpits"; other church furniture is included in "public-building and related furniture, not specified by kind."

⁷ Included in "Wood."

⁸ Includes all chairs, both public-building and outdoor stadium and grandstand.

⁹ All unspecified public-building and related furniture is included in wood, regardless of material used, to avoid disclosing figures for individual companies.

¹⁰ Includes wood beds, combined with metal to avoid disclosing figures for individual companies.

¹¹ Includes a small amount for which material was not specified.

¹² Includes partitions, cases, cabinets, counters, telephone booths, and other fixtures.

¹³ Included in figures above for "Partitions."

SCREENS, SHADES, AND MISCELLANEOUS FURNITURE

[Money figures in thousands of dollars]

PRODUCT	1947		1939	PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production		Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Value		Quantity	Value f.o.b. plant	Value	
	(M units)							
Window and door screens and weatherstrip		\$110,683	\$18,878	Window shades and accessories		\$59,869	\$24,622	
Screen doors	1,727	7,533			1947 ¹			
Wood	(d)	(d)	11,473		Total	Wood	Metal	
Metal	(d)	(d)	3,140	Restaurant furniture	\$32,779	\$19,935	\$12,844	
Window screens	14,354	21,332		Chairs and stools	12,212	4,947	7,265	
Wood	9,127	11,293	(1)	Tables	3,425	2,411	1,014	
Metal	5,227	10,039	(1)	Booths	6,827	6,110	717	
Combination screen and storm doors	1,230	12,370		Other restaurant furniture	6,515	4,240	2,275	
Wood	1,173	10,989		Restaurant furniture, not specified by kind	3,800	2,227	1,573	
Metal	57	1,381			1947 ¹			
Combination screen and storm sash	3,989	43,505			Total	Wood	Metal	Material not specified
Wood	2,079	19,599	(1)	Furniture and fixtures, n.e.c.	\$9,319	\$3,427	\$2,939	\$2,953
Metal	1,910	23,906						
Storm sash	4,262	13,698						
Wood	3,928	11,592						
Metal	324	2,106						
Weatherstrip	(M lin. ft.)							
Metal	170,352	9,254	3,672					
Other	132,334	6,373	3,159					
Weatherstrip, quantity not reported	37,918	727	513					
Other products, not specified by kind		2,991	593					

PRODUCT	1947			1939			
	Total shipments and interplant transfers			Production			
	Quantity		Value f.o.b. plant	Total value	Quantity and value reported		Value only reported
	M blinds	M sq. ft. of blinds			Quantity M blinds	Value	
Venetian blinds			\$85,411	\$23,421	5,446	\$12,534	\$10,887
Metal-slat blinds	11,678	159,083	61,049	n.a.	5,446	\$12,534	\$10,887
Steel-slat blinds	7,465	100,387	37,697				
Aluminum-slat blinds	4,213	58,696	23,352				
Wood-slat blinds	1,695	22,393	9,809	19,817	5,105	11,242	8,575
Other blinds and blinds not specified by type			14,553	3,604	341	1,292	2,312

^d Withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
¹ The 1939 data did not include separate figures for screen doors and window screens. Therefore, the figures shown for screen doors represent both screen doors and window screens.
² Classified as millwork in 1939, but not reported separately from conventional doors and sash.
³ No data are available for 1939; see text.
⁴ Between 15 and 20 percent of the quantity shown was estimated on the basis of reported quantities.
⁵ Includes \$9,097,000 for small establishments that were not asked to report a breakdown of total shipments.

Chapter VII—PAPER AND ALLIED PRODUCTS

PULP, PAPER, AND BOARD

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Quantities in tons of 2,000 lbs., air-dry; money figures in thousands of dollars]

PRODUCT	1947						1939				
	Shipments and interplant transfers						Shipments and interplant transfers				
	Total		Interplant transfers		All other shipments		Production (quantity)	Total ¹		Interplant transfers	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Total		\$930,254						\$226,089			
Wood pulp, total	11,916,875	865,326	10,423,647	\$692,318	1,493,228	\$173,008	11,945,864	6,993,334	209,061	5,694,086	\$154,760
Sulphite, total.....	2,772,720	308,664	1,695,234	175,241	1,077,486	133,423	2,795,962	1,946,452	86,044	1,161,900	49,038
Bleached sulphite, total.....	1,885,755	221,181	1,010,996	111,296	874,759	109,885	1,901,945	1,217,249	61,308	672,345	32,068
Dissolving and related grades.....	324,121	44,845			324,121	44,845	326,249				
Special paper grades.....	2,997	331	504	62	2,493	269	2,912				
Mitscherlich and glassine.....	96,793	11,418	86,751	10,175	10,042	1,243	16,986				
Standard grades, total.....	1,461,844	164,587	923,741	101,059	538,103	63,528	1,475,798				
Softwood.....	1,342,741	152,519	846,793	94,460	495,948	58,059	1,353,771				
Hardwood.....	119,103	12,068	76,948	6,599	42,155	5,469	122,027				
Unbleached sulphite, total.....	886,965	87,483	684,238	63,945	202,727	23,538	894,017	729,203	24,736	489,645	16,970
Mitscherlich and glassine.....	94,402	11,330	46,483	5,405	47,919	5,925	94,952				
Bleachable and easy bleaching.....	116,802	11,542	62,739	5,547	54,063	5,995	118,338				
Standard grades.....	485,701	49,516	386,209	38,051	99,492	11,465	490,118				
News grade.....	190,060	15,095	188,807	14,942	1,253	153	190,609				
Sulphate, total.....	5,354,776	361,861	5,133,572	336,197	221,204	25,664	5,356,710	2,962,657	72,940	2,576,852	60,463
Bleached sulphate, total.....	1,103,455	90,914	1,055,324	83,921	48,131	6,993	1,102,067	424,453	17,697	285,188	11,828
Super standard grades.....	88,069	8,312	26,364	3,415	31,705	4,897	58,122				
Standard grades, total.....	852,472	67,072	838,640	65,278	13,832	1,794	850,789				
Softwood.....	676,721	52,378	666,973	51,067	9,748	1,311	675,486				
Hardwood.....	175,751	14,694	171,667	14,211	4,084	483	175,303				
Semibleached sulphate.....	192,914	15,530	190,320	15,228	2,594	302	193,156				
Unbleached sulphate, total.....	4,251,321	270,947	4,078,248	252,276	173,073	18,671	4,254,643	2,538,204	55,243	2,291,664	48,635
Special paper grades, softwood.....	84,743	6,653	82,911	6,401	1,832	252	84,788				
Standard paper grades, softwood.....	2,188,757	150,681	2,082,485	139,000	106,272	11,681	2,188,923				
Board grades softwood.....	1,942,601	110,455	1,880,384	104,004	62,217	6,451	1,945,986				
Hardwood.....	35,220	3,158	32,468	2,871	2,752	287	34,966				
Soda.....	490,589	44,089	417,447	35,784	73,142	8,305	491,580	441,565	19,710	358,482	15,954
Groundwood, total.....	2,050,403	95,879	1,989,865	91,846	60,538	4,033	2,049,814	1,444,875	27,710	1,413,753	26,848
Bleached groundwood.....	108,949	6,728	108,949	6,728			108,989				
Unbleached groundwood, total.....	1,941,454	89,151	1,880,916	85,118	60,538	4,033	1,940,825				
Special grades.....	562,410	31,063	545,643	29,930	16,767	1,133	561,671				
News grades.....	1,379,044	58,088	1,335,273	55,188	43,771	2,900	1,379,154				
Miscellaneous wood pulp, total.....	1,248,387	54,833	1,187,529	53,250	60,858	1,583	1,251,798	197,785	2,657	183,009	2,457
Semi-chemical, chemifiber, and chemi-pulp.....	443,931	16,742	443,931	16,742			444,033	151,658	2,105	151,658	2,105
Defibrated and exploded.....	693,284	33,149	657,071	32,558	36,213	591	693,282				
Screening and off-quality pulp.....	111,172	4,942	86,527	3,950	24,645	992	114,483	46,127	552	31,351	352
Other pulp, total ^{2 2}	147,200	47,920	9,769	3,675	137,431	44,245	155,749	160,144	13,751	61,928	3,101
Miscellaneous products, total.....		17,008		1,191		15,817			3,277		
Turpentine sulphate.....		1,558				1,558					
Tall oil, total.....		10,040		1,191		8,849					
Crude.....		3,647		1,191		2,456					
Refined including distilled.....		6,393				6,393			3,277		
Other products ⁴		5,410				5,410					

¹ The difference between total shipments and interplant transfers represents "All other shipments" in 1939.

² Includes value of small quantity of miscellaneous pulp produced and shipped by establishments primarily engaged in the manufacture of paper and board.

³ Cotton (staple and linter) rag and waste paper pulp.

⁴ Includes alcohol.

PAPER AND ALLIED PRODUCTS

57

TABLE B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE (BASED ON 1939 CLASSIFICATION).
TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars.

GRADE	1947			1939	
	Production Quantity (short tons)	Shipments		Production	
		Quantity (short tons)	Value	Quantity (short tons)	Value
Paper and board, total	21,114,000	21,045,629	\$2,808,010	13,509,642	\$848,916
Paper, total, including building paper	10,705,018	10,684,508	1,776,851	7,484,148	609,326
Newsprint, total	833,038	847,182	68,457	854,259	39,765
Standard, in rolls	833,038	847,182	68,457	925,897	38,627
Standard, in sheets, and special grades				28,362	1,138
Groundwood paper, total	821,318	817,161	105,769	540,342	33,877
Hanging stock	128,182	127,596	15,462	116,781	6,943
Printing grades	546,008	542,704	69,301	268,208	18,271
Other groundwood paper	147,128	146,861	20,946	155,353	8,663
Book paper, total	2,207,923	2,200,369	382,682	1,534,591	138,846
Printing grades	1,696,570	1,690,858	293,530	1,131,666	104,860
Converting grades, total	498,368	496,433	87,018	374,793	30,764
Body stock for coated book	283,264	283,189	48,375	275,009	22,429
Other converting	215,104	213,244	38,643	99,784	8,335
Other book paper	12,985	13,078	2,134	28,132	3,222
Fine paper, total	1,171,539	1,161,093	345,214	723,162	107,116
Writing paper, total	918,349	913,309	253,257	594,594	83,973
Rag content	174,110	170,609	75,400	83,897	24,625
Chemical wood pulp	744,239	742,700	177,857	510,697	59,348
ristol, except rag and bogus, total	86,801	86,140	19,928	79,474	8,990
Index, except rag	61,254	61,387	13,541	28,782	3,505
Mill (printing)	17,683	16,795	4,631	45,429	5,025
Uncoated postcard	4,143	4,191	768	5,263	460
Other, except rag and bogus	3,721	3,767	988		
Cover paper	65,257	64,048	16,130	19,401	3,449
Text paper	27,921	27,853	8,601	12,339	2,305
Thin paper	73,211	69,743	47,298	17,294	8,399
Coarse paper, total	2,903,450	2,896,776	452,211	2,238,993	174,405
Wrapping paper, total	758,739	756,210	119,556	814,225	64,378
Kraft, M. F. and M. G.	346,026	351,282	45,801	446,922	30,831
Glassine, greaseproof and vegetable parchment	91,711	94,028	28,311	74,444	14,318
Other wrapping	321,002	310,900	45,444	292,859	19,229
Bag paper, total	1,223,689	1,223,106	164,783	675,880	39,929
Kraft	495,665	497,217	56,224	637,540	36,125
Other than kraft	44,199	43,790	7,242	38,340	3,804
Glassine, greaseproof and vegetable parchment	12,936	12,327	4,129		
Shipping sack paper	670,889	669,772	97,188		
Converting paper, total	921,022	917,460	167,872	748,888	70,098
Waxing (other than kraft) 18 lb. and up	152,426	151,421	28,547	141,007	15,801
Other, except kraft	170,367	170,428	41,529	411,309	38,421
Kraft converting stock	598,229	595,611	97,796	196,572	15,876
Special industrial paper	289,499	288,201	66,185	(?)	(?)
Tissue paper, except thin, total	1,088,656	1,085,092	289,164	648,429	\$56,132
Sanitary grades, total	894,032	893,558	164,139	484,288	37,109
Towel stock	205,850	205,959	32,788	129,105	9,157
Toilet tissue stock	416,610	416,368	72,370	285,085	21,358
Table napkin stock	103,813	103,605	20,328	70,098	6,594
Other sanitary grades	167,759	167,626	38,653		
Tissue grades, total	194,624	191,534	45,025	164,141	19,023
Waxing (less than 18 lb.)	41,065	41,006	8,236	39,147	3,875
Wrapping (less than 18 lb.)	57,644	57,573	14,774	56,283	6,908
Pattern tissue stock	9,912	7,055	1,696	2,305	390
Sales-book tissue stock	1,442	1,389	363	7,305	372
Twisting stock	26,136	26,037	7,235		1,075
All other	58,425	58,474	12,721	56,802	6,403
Absorbent paper, total	100,486	99,504	34,681	121,717	19,666
Blotting	13,078	14,041	3,955	10,693	1,883
Filter	4,747	6,220	2,840	1,505	425
Matrix paper and board	9,254	9,035	4,301	3,493	1,510
Vulcanized fibre stock	32,805	30,303	8,866	13,647	2,323
Other	40,602	39,905	14,119	92,409	13,465
Building paper	1,289,109	1,289,130	113,148	659,699	31,165
Sheathing	27,336	30,401	4,097	44,408	1,540
Felts	1,116,391	1,104,706	87,190	567,866	24,944
Asbestos	97,119	96,760	10,592	42,615	4,476
Other	48,283	48,263	11,279	4,201	145
Other paper, not specified by kind				63,625	8,474

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE B.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE (BASED ON 1939 CLASSIFICATION),
TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

GRADE	1947			1939	
	Production	Shipments		Production	
	Quantity (short tons)	Quantity (short tons)	Value	Quantity (short tons)	Value
Board, total	10,408,982	10,361,121	1,031,159	1 6,025,494	1 239,590
Container board, total	4,943,694	4,931,855	456,209	3,361,441	118,202
Liners, total	3,293,234	3,286,211	312,141	2,343,145	85,494
Kraft	1,927,844	1,926,381	183,512	1,385,523	50,777
Jute	1,348,706	1,343,945	126,642	819,654	28,353
Other	16,684	15,885	1,987	137,968	6,364
Straw corrugating	409,871	421,837	36,645	399,189	12,193
Container chip	279,968	278,214	21,473	450,995	14,132
Other container	960,621	945,593	85,950	168,112	6,383
Folding boxboard, including similar boards used for other purposes, total	2,757,889	2,753,610	294,439	1,359,961	60,868
Manila-lined (all lined boards)	1,141,702	1,141,693	104,724	784,725	33,734
Patent coated	568,260	567,754	62,771	262,029	14,461
Other folding boxboard	1,047,927	1,044,163	126,944	313,207	12,673
Setup boxboard, including similar boards used for other purposes, total	934,592	929,561	80,867	865,485	30,110
Chip and straw				414,335	13,548
Newsboard	45,538	45,551	3,689	251,959	7,693
Other (including tube, egg case, etc.)	889,054	884,010	77,178	199,191	8,869
Cardboard, total	91,858	91,188	16,513	58,874	4,840
Blanks and miscellaneous				21,911	1,763
Clay coated	41,238	41,345	6,926	31,669	2,597
Other	50,590	49,843	9,587	5,294	480
Other paperboard	500,786	496,435	50,917	211,460	16,276
Wet machine board, total	107,791	106,923	15,375	53,768	3,739
Binders board	52,596	52,453	5,929	28,054	1,761
Leatherboard	55,195	54,470	9,446	25,714	1,978
Building board	1,072,372	1,051,549	116,839	1 114,605	1 5,555

¹ Does not include an estimate of 365,000 tons of building board valued at \$14,996 million which was classified in the Wallboard (Except Gypsum and Plasterboard) Industry in 1939.

² Special industrial paper included with coarse paper.

PAPER AND ALLIED PRODUCTS

59

TABLE C.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947

[Quantities in tons of 2,000 lbs.; money figures in thousands of dollars]

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Paper and board, total	21,045,629	\$2,808,010	6,784,517	\$752,174	14,261,112	\$2,055,836	21,114,000
Paper, total	9,395,378	1,663,703	2,105,487	332,152	7,289,891	1,331,551	9,415,909
Newsprint.....	847,182	68,457			847,182	68,457	833,038
Ground wood paper, total	817,161	105,709			817,161	105,709	821,318
Ground wood publication and printing paper, total.....	542,704	69,301			542,704	69,301	546,008
A Grade.....	419,094	54,212			419,094	54,212	426,742
B Grade.....	123,610	15,089			123,610	15,089	119,266
Ground wood converting paper, total.....	240,040	31,603			240,040	31,603	240,924
Hanging.....	127,596	15,462			127,596	15,462	128,182
Box lining and covering.....	16,618	2,186			16,618	2,186	16,639
Body stock for coating.....	41,333	5,364			41,333	5,364	41,630
Other ground wood converting paper.....	54,493	8,591			54,493	8,591	54,473
Miscellaneous ground wood paper, total.....	34,417	4,805			34,417	4,805	34,386
Writing and mimeograph.....	5,694	794			5,694	794	5,769
Railroad manila.....	4,157	522			4,157	522	4,143
Poster.....	6,662	908			6,662	908	6,638
Other miscellaneous ground wood paper.....	17,904	2,581			17,904	2,581	17,836
Book paper, total	2,200,369	382,682	239,567	40,361	1,960,802	342,321	2,207,923
Book publication and printing paper, total.....	1,690,858	293,530	7,352	1,328	1,683,506	292,202	1,696,570
Plain.....	337,847	63,807	2,783	431	335,064	63,376	335,532
Supercalendered.....	478,230	76,037			478,230	76,037	480,074
Paper machine coated, including both ground wood and book grades, total.....	623,724	100,609	2,035	438	621,689	100,171	626,999
Coated one side.....	35,236	7,928			35,236	7,928	35,875
Coated two sides.....	588,488	92,681	2,035	438	586,453	92,243	591,124
Offset.....	212,505	46,142	2,534	459	209,971	45,683	215,443
Other publication and printing paper.....	38,552	6,935			38,552	6,935	38,522
Book converting paper, total.....	496,433	87,018	232,215	39,033	264,218	47,985	498,368
Body stock for coating.....	283,189	48,375	217,826	36,239	65,563	12,136	283,264
Envelope.....	121,569	21,914	14,589	2,794	107,010	19,120	123,453
Tablet.....	62,685	10,631			62,685	10,631	61,689
Other book converting paper.....	28,960	6,098			28,960	6,098	29,962
Miscellaneous book paper.....	13,078	2,134			13,078	2,134	12,985
Fine paper, total	1,161,093	345,214	24,873	7,953	1,136,220	337,261	1,171,539
Writing paper, total.....	913,309	253,257	24,873	7,953	888,436	245,304	918,349
Containing rags, etc., total.....	170,609	75,400			170,609	75,400	174,110
Bond and writing.....	83,691	35,615			83,691	35,615	85,676
Ledger.....	18,973	8,719			18,973	8,719	19,764
Manifold.....	5,986	4,039			5,986	4,039	6,354
Mimeograph, gelatin and spirit process.....	4,028	630			4,028	630	3,902
Index.....	8,837	3,960			8,837	3,960	9,053
Reproduction.....	21,465	8,946			21,465	8,946	21,479
Papeterie and wedding.....	11,465	4,946			11,465	4,946	11,695
Protective and check.....	7,438	3,689			7,438	3,689	7,385
Map and chart.....	2,166	920			2,166	920	2,253
Drawing, mechanical and detail.....	3,248	2,156			3,248	2,156	3,258
Other writing, containing rags.....	3,312	1,780			3,312	1,780	3,301
Chemical wood pulp writing paper, total.....	742,700	177,857	24,873	7,953	717,827	169,904	744,239
Bond and writing.....	451,223	102,715	9,421	1,886	441,802	100,829	450,597
Ledger.....	32,351	8,001			32,351	8,001	32,258
Manifold.....	21,058	6,381			21,058	6,381	21,160
Mimeograph.....	69,698	16,000			69,698	16,000	71,200
Gelatin and spirit process.....	28,485	6,780			28,485	6,780	28,794
Map and chart.....	3,644	936			3,644	936	3,588
Drawing, mechanical and detail.....	2,170	551			2,170	551	2,362
Papeterie and wedding.....	81,853	21,333			81,853	21,333	82,196
Protective and check.....	18,036	4,314			18,036	4,314	18,350
Reproduction.....	18,095	7,232	15,452	6,067	2,643	1,165	17,757
Opaque circular.....	8,943	2,108			8,943	2,108	8,919
Other chemical wood pulp writing paper.....	7,144	1,506			7,144	1,506	7,078
Bristol, except rag index and bogus, total.....	86,140	19,928			86,140	19,928	86,801
Index (chemical wood pulp).....	61,387	13,541			61,387	13,541	61,254
Printing.....	16,795	4,631			16,795	4,631	17,683
Uncoated postcard.....	4,191	768			4,191	768	4,143
Other bristol, except rag index and bogus.....	3,767	988			3,767	988	3,721
Cover.....	64,048	16,130			64,048	16,130	65,257
Text.....	27,853	8,601			27,853	8,601	27,921
Thin paper, total.....	69,743	47,298			69,743	47,298	73,211
Carbonizing, free from ground wood pulp.....	25,056	9,714			25,056	9,714	26,135
Condenser.....	5,980	6,537			5,980	6,537	6,870
Cigarette.....	31,781	26,202			31,781	26,202	33,254
Other thin paper.....	6,926	4,845			6,926	4,845	6,952
Coarse paper, total	2,896,776	452,211	1,059,005	144,470	1,837,771	307,741	2,903,450
Wrapping paper, total.....	756,210	119,556	97,529	12,782	658,681	106,774	758,739
Kraft, total.....	351,282	45,801	35,960	3,437	315,322	42,364	346,026
Butchers.....	49,249	6,116			49,249	6,116	48,755
M.F. and M.G. wrapping paper.....	302,033	39,685	35,960	3,437	266,073	36,248	297,271
Glassine, greaseproof, and vegetable parchment.....	94,028	28,311	16,811	4,681	77,217	23,630	91,711
Other wrapping paper, total.....	310,900	45,444	44,758	4,664	266,142	40,780	321,002
Butchers.....	131,350	19,107			131,350	19,107	129,860
Grocers and imitation parchment.....	13,807	1,850			13,807	1,850	13,474
Screenings, core stock, bogus and mill wrappers.....	90,407	10,216	37,510	3,385	52,897	6,831	102,827
M.F. and M.G. wrapping paper.....	75,336	14,271	7,248	1,279	68,088	12,992	74,841

CENSUS OF MANUFACTURES: 1947

TABLE C.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Coarse paper—Continued							
Bag paper, total	553,334	\$67,595	397,546	\$44,786	155,788	\$22,809	552,800
Kraft, total	497,217	56,224	378,756	42,146	118,461	14,078	495,685
Grocery and variety bag stock	476,585	52,834	378,756	42,146	97,829	10,688	475,555
Other kraft stock	20,632	3,390			20,632	3,390	20,110
Glassine, greaseproof and vegetable parchment	12,327	4,129			12,327	4,129	12,936
Other bag paper	43,790	7,242	18,790	2,640	25,000	4,602	44,199
Shipping sack paper, total	669,772	97,188	344,186	49,421	325,586	47,767	670,899
Kraft, total	644,943	91,320	328,825	45,842	316,118	45,478	646,653
Meeting minimum standards Fed. Spec. UU-S-48	467,770	63,959	204,770	28,863	263,000	35,096	466,046
Other kraft shipping sack paper	177,173	27,361	124,055	16,979	53,118	10,382	180,607
Bleached and semibleached shipping sack paper	8,402	1,962			8,402	1,962	8,305
Rope and combination rope and kraft shipping sack paper	16,427	3,906	15,361	3,579	1,066	327	15,931
Converting paper, total	917,460	167,872	219,744	37,481	697,716	130,391	921,022
Kraft, total	595,611	97,796	143,835	22,990	451,776	74,806	598,229
Asphalting, including creped or creping stock for asphalting	188,864	27,429	64,685	8,154	124,179	19,275	188,018
Creping, except stock for asphalting, impregnating, laminating, and toweling	20,985	3,148	718	91	20,267	3,057	21,904
Envelope stock	64,126	10,025			64,126	10,025	63,161
Gumming stock	80,053	12,747	29,117	5,748	50,936	6,999	80,411
Twisting and spining stock (18 lbs. and up)	23,607	5,208			23,607	5,208	23,651
Waxing stock (18 lbs. and up)	110,508	21,092	35,394	6,712	75,114	14,380	93,705
Other kraft converting paper	107,468	18,147	13,921	2,285	93,547	15,862	127,379
Glassine, greaseproof and vegetable parchment	51,276	18,949			51,276	18,949	51,663
Other converting paper, total	270,573	51,127	75,909	14,491	194,664	36,636	271,130
Waxing stock (18 lbs. and up)	151,421	28,547	61,090	11,312	90,331	17,235	152,426
Cup stock (under 90 lbs.)	25,802	4,735			25,802	4,735	25,712
Envelope stock, total	24,127	4,351			24,127	4,351	24,099
Manila	10,888	1,946			10,888	1,946	10,713
Other coarse envelope paper, except Kraft	13,239	2,405			13,239	2,405	13,386
Gumming stock	7,442	1,511			7,442	1,511	7,493
Other converting stock	61,781	11,983	14,819	3,179	46,962	8,804	61,400
Special industrial paper, total	288,201	66,185	6,061	760	282,140	65,425	289,499
Abrasive paper	10,429	3,960			10,429	3,960	10,355
Cable paper	14,770	5,561			14,770	5,561	15,181
Electrical insulation and armature paper and board	12,328	5,876			12,328	5,876	13,776
Gasket paper and board	5,157	1,121			5,157	1,121	5,454
Stencil backing paper and stencil board	3,853	786			3,853	786	3,883
Tabulating card stock	55,108	9,360			55,108	9,360	56,002
File folder stock	19,556	5,421			19,556	5,421	19,248
Tag stock, including manila board	88,737	14,927			88,737	14,927	89,373
Wallet and patch stock	4,998	1,233			4,998	1,233	5,109
Press board, including imitation pressboard	12,756	3,230			12,756	3,230	12,704
Other special industrial paper	60,509	14,710	6,061	760	54,448	13,950	58,414
Sanitary paper stock, total	893,558	164,139	724,950	127,282	168,608	36,857	894,632
Sanitary napkin stock, wadding	34,454	8,123	30,462	7,053	3,992	1,070	34,069
Toweling stock, total	205,959	32,788	163,524	25,109	42,435	7,679	205,850
Industrial (bulk and dispenser types)	143,712	22,837	116,759	18,358	26,953	4,479	143,529
Household (retail packages)	62,247	9,951	46,765	6,751	15,482	3,200	62,321
Toilet tissue stock, total	416,368	72,370	338,044	54,538	78,324	17,832	416,610
Facial tissue grades	48,062	10,449	31,579	6,428	16,503	4,021	48,096
Other toilet tissue stock	368,286	61,921	306,465	48,110	61,821	13,811	368,514
Napkin stock, total	103,605	20,328	67,876	12,623	35,729	7,705	103,813
Industrial (bulk and dispenser types)	62,858	12,192	35,117	6,237	27,741	5,955	62,504
Household (retail packages)	40,747	8,136	32,759	6,386	7,988	1,750	41,309
Facial tissue stock	127,022	29,033	122,161	27,309	4,861	1,724	127,564
Other sanitary paper stock	6,150	1,497	2,883	650	3,267	847	6,126
Tissue paper, except sanitary paper and thin paper, total	191,534	45,025	27,515	4,846	164,019	40,179	194,624
Wrapping tissue	57,573	14,774	8,222	1,144	49,351	13,630	57,644
Waxing tissue stock	41,006	8,236	12,269	2,292	28,737	5,944	41,065
Twisting tissue stock	26,037	7,235			26,037	7,235	26,136
Fruit and vegetable wraps	41,058	8,455			41,058	8,455	41,259
Pattern tissue stock	7,055	1,696			7,055	1,696	9,912
Sales-book tissue stock	1,389	363			1,389	363	1,442
Crepe wadding for packing	8,938	1,973	7,024	1,410	1,914	563	8,505
Other tissue, except sanitary and thin paper grades	8,478	2,293			8,478	2,293	8,661
Absorbent paper, total	99,504	34,081	23,516	6,480	75,988	27,601	100,486
Blotting paper	14,041	3,955			14,041	3,955	13,078
Filter paper	6,220	2,840			6,220	2,840	4,747
Matrix paper and board	9,035	4,301			9,035	4,301	9,254
Vulcanizing fiber stock	30,303	8,866	23,516	6,480	6,787	2,386	32,805
Resin impregnating stock	28,359	10,458			28,359	10,458	28,792
Die wiping stock	3,590	733			3,590	733	3,462
Other absorbent paper	7,956	2,928			7,956	2,928	8,348

PAPER AND ALLIED PRODUCTS

TABLE C.—QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Paperboard, total	9,161,008	\$892,745	3,647,764	\$338,269	5,513,244	\$554,476	9,186,810
Container board, total	4,931,855	456,209	2,092,740	186,071	2,839,115	270,138	4,943,694
Liners, total	4,931,855	456,209	2,092,740	186,071	2,839,115	270,138	4,943,694
Kraft	3,286,211	312,141	1,332,681	122,427	1,953,530	189,714	3,293,234
Jute	1,926,381	183,512	528,617	49,891	1,397,764	133,621	1,927,844
Other liners	1,343,945	126,642	804,064	72,536	539,881	54,106	1,348,706
Other liners	15,885	1,987			15,885	1,987	16,684
Corrugating material, total	1,367,430	122,595	617,731	53,205	749,699	69,390	1,370,492
Kraft	170,799	18,639	115,719	11,140	55,080	7,499	171,576
Straw	421,837	36,645	234,570	19,536	187,267	17,109	409,871
Bogus	311,510	29,387	96,040	8,817	215,470	20,570	323,359
Other corrugating material	463,284	37,924	171,402	13,712	291,882	24,212	465,686
Container chipboard, total	278,214	21,473	142,328	10,439	135,886	11,034	279,968
Solid fiber board, for filler board	153,172	11,568	111,981	8,298	41,191	3,270	154,746
Other container chipboard	125,042	9,905	30,347	2,141	94,695	7,764	125,222
Bending board, total	2,753,610	294,439	1,165,196	118,261	1,588,414	176,178	2,757,889
Folding boxboard, total	2,232,755	229,186	1,072,724	104,890	1,180,031	124,296	2,256,691
Unlined chipboard	260,108	21,306	112,208	8,506	147,900	12,800	261,134
Single and double manila lined chipboard	597,761	56,240	285,380	25,229	312,381	31,011	601,168
Single and double lined chipboard, except manila	426,763	37,574	191,220	15,261	237,542	22,313	426,211
Coated boxboard, total	727,897	85,170	359,585	40,312	368,312	44,858	730,182
Patent coated, all types	587,754	62,771	274,919	29,591	292,835	33,180	588,290
Clay coated	112,261	16,568	56,542	7,573	55,719	9,025	113,517
Machine coated	47,882	5,801	28,124	3,148	19,758	2,653	48,405
Solid manila and chemical pulp board, bleached and unbleached, total	124,881	17,733	86,576	12,361	38,305	5,372	124,709
Frozen food container stock	16,224	2,462	6,106	866	10,118	1,596	16,118
Butter, oleo, shortening, and ice cream carton stock	108,657	15,271	80,470	11,495	28,187	3,776	108,591
Other folding boxboard	113,346	11,163	37,755	3,221	75,591	7,942	113,287
Other bending board, total	500,855	65,253	92,472	13,371	408,383	51,882	501,198
Unlined chipboard	18,131	1,682			18,131	1,682	18,214
Single and double manila lined chipboard	110,572	10,450			110,572	10,450	109,721
Single and double lined chipboard, except manila	4,598	460			4,598	460	4,602
Solid manila and chemical pulp board, total	363,399	52,313	92,472	13,371	270,927	38,942	364,237
Sanitary food container stock, total	334,573	48,567	92,472	13,371	242,101	35,196	335,466
Milk bottle stock	112,601	15,649	56,256	7,966	56,345	7,683	115,188
Milk bottle hood and lip cover stock	16,143	2,578			16,143	2,578	16,074
Liquid tight container stock	38,311	5,643	15,900	2,359	22,321	3,284	38,428
Cup lid stock	9,963	1,541			9,963	1,541	10,789
Cup and round nested food containers stock (90-lb. and up)	79,483	11,799			79,483	11,799	78,034
Milk bottle plug stock	19,809	2,784			19,809	2,784	19,937
Ice cream and food pail stock	36,874	5,497	20,226	3,046	16,648	2,451	35,555
Plate, dish, and tray stock	18,622	2,712			18,622	2,712	18,674
Other sanitary container stock for liquid, moist, or oily foods	2,767	364			2,767	364	2,787
Other solid manila and chemical pulp board	28,826	3,746			28,826	3,746	28,771
Other bending board	4,155	348			4,155	348	4,424
Nonbending board, total	701,003	60,930	51,768	3,709	649,235	57,221	705,424
Setup boxboard, unpasted, total	590,298	50,537	39,750	2,501	550,548	48,036	594,755
Lined and unlined chipboard, total	546,396	47,104	39,750	2,501	506,646	44,603	550,902
News-lined	276,730	23,215	20,477	1,205	256,253	22,010	282,183
Other lined and unlined chipboard	269,666	23,889	19,273	1,296	250,393	22,593	268,719
Solid newsboard	39,145	2,969			39,145	2,969	39,114
Other setup boxboard	4,757	464			4,757	464	4,739
Other nonbending board, total	110,705	10,393	12,018	1,208	98,687	9,185	110,669
Lined and unlined chipboard, total	91,854	8,526	12,018	1,208	79,836	7,318	91,537
News-lined	24,486	2,349			24,486	2,349	24,265
Other lined and unlined chipboard	67,368	6,177	12,018	1,208	55,350	4,969	67,272
Solid newsboard	6,406	720			6,406	720	6,424
Other nonbending board	12,445	1,147			12,445	1,147	12,708
Special paperboard stock, total	683,352	64,654	338,060	30,228	345,292	34,426	687,945
Tube, can, and drum stock, total	183,560	16,365	99,739	8,169	83,821	8,196	183,417
Tube stock	144,786	12,467	75,899	5,969	68,887	6,498	145,012
Can and drum stock	38,774	3,898	23,840	2,200	14,934	1,698	38,405
Solid wood pulp board (groundwood)	13,119	1,471			13,119	1,471	13,524
Match board	32,336	3,395			32,336	3,395	32,560
Egg case filler board	44,998	3,572	17,310	1,368	27,688	2,204	45,751
Building board stock, total	329,746	32,894	187,459	18,374	142,287	14,520	333,358
Liner for gypsum plaster board	270,533	28,422	146,209	15,775	124,324	12,647	267,527
Laminated wallboard stock	50,570	3,720	37,196	2,355	13,374	1,365	57,368
Other building board stock	8,643	752	4,054	244	4,589	508	8,463
Other special paperboard stock	79,593	6,957	33,552	2,317	46,041	4,640	79,335
Cardboard, total	91,188	16,513			91,188	16,513	91,858
Millblanks, clay coated blanks, and tag stock	41,345	6,926			41,345	6,926	41,268
Photomount stock	6,352	1,426			6,352	1,426	6,429
Bogus Bristol	25,835	4,190			25,835	4,190	25,643
Playing card stock	7,498	1,998			7,498	1,998	7,781
Railroad and poster manila	4,743	860			4,743	860	5,292
Other cardboard	5,415	1,113			5,415	1,113	5,445
Wet machine board, total	148,564	21,575	10,617	1,629	137,947	19,946	149,800
Binder's board	52,453	5,929			52,453	5,929	52,596
Shoe board	54,470	9,446	10,617	1,629	43,853	7,817	55,195
Other wet machine board	41,641	6,200			41,641	6,200	42,009

CENSUS OF MANUFACTURES: 1947

TABLE C.- QUANTITY AND VALUE OF PRODUCTS, BY GRADE, TOTALS FOR THE UNITED STATES: 1947—Continued

GRADE	Shipments and interplant transfers						Production (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Construction paper materials, total	2,340,679	\$229,987	1,020,649	80,124	1,320,030	\$149,863	2,361,481
Building paper, total.....	1,289,130	113,148	1,020,649	\$80,124	268,481	33,024	1,289,109
Sheathing paper.....	39,401	4,097	18,933	1,646	20,468	2,451	27,336
Felts, saturating and dry, total.....	1,104,706	87,180	944,058	72,062	160,648	15,118	1,116,391
Roofing felts.....	916,758	66,184	805,935	57,231	110,823	8,953	929,179
Floor covering.....	129,881	14,480	102,893	11,881	26,988	2,599	129,438
Automotive felts.....	32,358	3,734	20,792	1,693	11,566	2,041	31,923
Other felts.....	25,709	2,782	14,438	1,257	11,271	1,525	25,851
Asbestos paper and asbestos-filled paper.....	96,760	10,592	57,658	6,416	39,102	4,176	97,119
Other building paper including flexible insulation.....	48,263	11,279			48,263	11,279	48,263
Building board, total:							
Tons.....	1,051,549	116,839			1,051,549	116,839	1,072,372
Thousand square feet.....	2,829,503				2,829,503		2,876,380
Wallboard, except laminated wallboard, density over 24 pounds per cubic foot:							
Tons.....	284,409	36,881			284,409	36,881	301,551
Thousand square feet.....	712,194				712,194		745,479
Insulating wallboard, except laminated wallboard, density 24 pounds or less per cubic foot, total:							
Tons.....	767,140	79,958			767,140	79,958	770,821
Thousand square feet.....	2,117,309				2,117,309		2,130,901
Natural surface board:							
Tons.....	105,802	10,454			105,802	10,454	105,886
Thousand square feet.....	304,255				304,255		306,526
Lath for plaster board:							
Tons.....	29,179	2,725			29,179	2,725	29,310
Thousand square feet.....	85,539				85,539		88,848
Roof insulating board:							
Tons.....	37,447	3,950			37,447	3,950	38,426
Thousand square feet.....	101,776				101,776		107,253
Interior board, factory finished, total:							
Tons.....	398,908	39,765			398,908	39,765	399,513
Thousand square feet.....	1,113,082				1,113,082		1,115,038
Building board:							
Tons.....	229,896	20,045			229,896	20,045	230,337
Thousand square feet.....	639,731				639,731		641,018
Panels, including tile board:							
Tons.....	73,733	9,065			73,733	9,065	73,975
Thousand square feet.....	192,133				192,133		193,004
Plank:							
Tons.....	11,934	1,471			11,934	1,471	11,869
Thousand square feet.....	31,965				31,965		31,803
Other interior board:							
Tons.....	83,345	9,184			83,345	9,184	83,332
Thousand square feet.....	249,253				249,253		249,213
Sheathing board:							
Tons.....	81,199	8,697			81,199	8,697	80,680
Thousand square feet.....	197,822				197,822		196,737
Other insulating wallboard (not laminated):							
Tons.....	114,605	14,367			114,605	14,367	117,006
Thousand square feet.....	314,835				314,835		316,499

PAPER AND BOARD PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	1947				1939 ¹		
	Value of shipments	Paper and board consumption			All establishments (value of products)	Establishments reporting both paper consumption and value of products	
		Total	Own manufacture	Purchased		Value of products	Paper and board consumption
		(tons)	(tons)	(tons)		(tons)	
Paper and board products, total	\$3,327,351	12,296,091	5,474,757	6,821,334	\$1,030,187	\$751,548	6,912,032
Envelopes, all types and materials (except stationery envelopes).....	120,692	255,832	15,863	239,969	50,195	27,740	106,780
Office supplies (except stationery, tablets, and envelopes), total	46,043	87,071	1,947	85,124	8,860	4,224	16,025
Filing accessories, total.....	31,084	53,619	979	52,640	6,080	2,930	8,519
Cards, index.....	9,222	12,185		12,185	3,496	1,849	4,030
File folders.....	10,997	21,027		21,027	2,584	1,081	4,489
Guide cards.....	4,540	7,261		7,261			
Mailing and filing tubes.....	4,475	4,754	979	3,775			
Binders and covers.....	3,627	6,614		6,614			
Other filing accessories.....	2,223	1,778		1,778			
Business machine accessories, total.....	7,915	17,371	180	17,191			
Rolls for adding and other business machines.....	5,653	11,278	180	11,098	2,780	1,294	7,506
Tapes, teletype, etc.....	1,724	5,291		5,291			
Other business machine accessories.....	538	802		802			
Miscellaneous office supplies, total.....	7,044	16,081	788	15,293			
Safety paper.....	4,955	13,792		13,792			
Mimeograph stencils.....	1,505	1,282		1,282			
Other miscellaneous office supplies.....	584	1,007	788	219			
Stationery, total	30,151	52,008	11,808	40,200	10,496	5,347	16,633
Boxed stationery and portfolios.....	18,544	25,566	2,551	23,015			
Weddings and social announcements (paper, cards, and envelopes).....	2,435	5,399	267	5,132			
Package paper and envelopes.....	5,972	10,775		10,775			
Other stationery.....	3,200	10,268	8,990	1,278			
Tablets and related products, total	34,513	109,279	817	108,462	10,570	9,312	55,974
Correspondence type tablets.....	3,285	8,454		8,454			
Book and writing paper grade tablets and pads.....	6,982	20,424	101	20,323	7,730	6,931	39,251
Newsprint tablets and pads.....	3,142	16,316		16,316	2,010	1,842	12,113
Notebooks and similar bound products.....	6,516	17,566	40	17,526			
Loose-leaf fillers and wrapped ream papers in filler sizes, except printed forms.....	13,402	42,462	369	42,093			
Other tablets and related products.....	1,186	4,057	307	3,750	830	539	4,610
Paper products for printing, total	112,297	323,948	250,662	73,286	37,979	37,909	306,018
Coated printing paper (off paper machine), all types, total.....	89,428	290,935	245,472	45,463	37,979	37,909	306,018
Coated one side (tons produced 161,673).....	39,710	139,066	114,979	24,087			
Coated two sides (tons produced 202,992).....	49,718	151,869	130,493	21,376			
Cards, die-cut and designed.....	20,570	22,933	234	22,699			
Car sign and similar stock, laminated.....	2,299	10,080	4,956	5,124			
Wrapping products, total	245,368	607,006	255,478	351,528	75,275	64,193	349,249
Oiled and similarly treated paper.....	6,912	22,687	11,403	11,284			
Waxed and wax laminated paper, total.....	134,983	329,949	150,780	179,169	57,403	55,034	295,731
Bread wraps, total.....	57,699	119,427	41,764	77,663			
Printed.....	47,484	94,712	36,571	58,141			
Unprinted.....	10,215	24,715	5,193	19,522			
Household waxed paper.....	26,558	71,713	24,438	47,275			
Delicatessen paper.....	6,318	19,743	15,958	3,785			
Locker paper.....	4,219	11,777	5,815	5,962			
Cereal and similar wraps.....	4,605	12,191	5,323	6,868			
Other waxed and waxed laminated paper.....	35,584	95,098	57,482	37,616			
Laminated wrapping products, except wax laminated paper, total.....	52,028	155,668	70,238	85,430	5,724	3,393	34,072
Waterproof, plain, reinforced, creped, and lined.....	28,922	83,804	26,707	57,097	5,724	3,393	34,072
Miscellaneous laminated wrapping products, total.....	23,106	71,864	43,531	28,333			
Paper laminated to paper or board.....	8,531	30,660	16,219	14,441			
Foil, paper backed, total.....	9,016	31,987	22,638	9,349			
Glue laminated.....	2,704	7,368	450	6,918			
Wax laminated.....	6,312	24,619	22,188	2,431			
Paper laminated to other sheet materials.....	1,389	1,669	658	1,011			
Other laminated wrapping products.....	4,170	7,548	4,016	3,532			
Creped paper, except fine creped paper.....	2,744	8,314	663	7,651			
Impregnated and saturated wrapping paper.....	2,054	7,303	3,074	4,229			
Gift wrapping, first sale in packages, total.....	14,207	26,972	9,092	17,880			
Printed, total.....	10,250	14,984	891	14,093			
17 lbs. and less.....	4,390	5,933	44	5,889			
18 lbs. and more.....	5,870	9,051	847	8,204			
Unprinted, total.....	3,957	11,988	8,201	3,787			
17 lbs. and less.....	3,386	10,659	8,056	2,603			
18 lbs. and more.....	571	1,329	145	1,184			
Coin wraps and currency straps.....	860	1,496		1,496	523	184	370
Coated and processed paper, total.....	24,783	47,055	3,213	43,842	11,625	5,682	19,076
Special coated paper (metallic, other than foil, mica-pyrox-hin, etc.).....	7,007	14,292		14,292			
Processed plain paper (embossed, leatherette, printed, etc.).....	4,618	7,028	1,828	5,200			
Processed coated paper (embossed, leatherette, printed, etc.).....	3,857	9,788	1,385	8,403			
Other wrapping products.....	6,797	7,562	7,015	547			

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947				1939 ¹		
	Value of shipments	Paper and board consumption			All establishments (value of products)	Establishments reporting both paper consumption and value of products	
		Total	Own manufacture	Purchased		Value of products	Paper and board consumption
	(tons)	(tons)	(tons)			(tons)	
Containers, except sanitary food containers, total	1,870,903	8,568,627	3,789,560	4,779,067	547,193	432,068	5,006,224
Bags, total.....	203,847	677,016	450,212	226,804	96,571	83,986	759,787
Grocers' and variety.....	92,210	501,254	400,588	100,666			
Specialty bags, total.....	92,569	132,338	44,968	87,370			
Paper, except glassine, greaseproof, and waxed paper.....	31,423	91,060	43,294	47,766			
Glassine, greaseproof, and waxed paper.....	22,359	39,016	1,595	37,421			
Foil backed papers.....	1,971	1,548		1,548			
Other sheet materials (cellophane, pliofilm, etc.).....	36,786	714	79	635			
Wardrobe and mothproof bags.....	2,892	8,128	843	7,285			
Shopping bags.....	4,981	14,743	1,605	13,138			
Other bags.....	11,195	20,553	2,208	18,345			
Shipping sacks, total.....	153,209	591,521	297,799	293,722			
Single and double wall.....	37,598	132,717	32,732	99,985			
Multiwall (three or more ply).....	115,611	458,804	265,067	193,737			
Shipping containers, total.....	833,858	4,631,325	1,967,239	2,664,086	213,523	185,042	2,853,270
Corrugated containers.....	769,074	4,261,523	1,703,555	2,557,968	187,282	162,461	2,439,955
Solid fiber containers.....	64,784	369,802	263,684	106,118	26,241	22,581	413,315
Boxes, total.....	612,025	2,442,650	984,951	1,457,699	200,814	143,169	1,270,754
Folding boxes and cartons.....	401,447	1,874,699	968,987	905,712	126,873	104,827	985,403
Setup boxes.....	210,578	567,951	15,964	551,987	73,941	38,342	285,351
Fiber cans, with or without metal ends.....	32,509	83,722	28,089	55,653	14,805	9,345	41,684
Cores and tubes.....	17,539	76,680	35,114	41,566	6,468	4,588	38,192
Drums, metal, wood and fiber ends.....	11,217	42,767	9,492	33,275	940	742	3,154
Fillers and flats for egg cases, except molded.....	2,765	21,452	16,684	4,768	1,691	1,061	17,675
Vulcanized fiber boxes and containers.....	709	89		89	1,449		
Other containers, except sanitary food containers.....	3,225	1,405		1,405	10,932	4,135	21,708
Sanitary food containers and container products, total	157,510	407,164	157,718	249,446	29,056	19,155	54,224
Bottles.....	34,846	106,362	53,177	53,185	864	174	768
Bottle caps, closures, and lids.....	20,136	51,440	5,784	45,656	10,779	6,643	21,008
Cups and liquid tight containers.....	73,490	152,944	21,372	131,572	17,413	12,338	32,448
Food and ice cream pails.....	23,833	75,862	65,451	10,411			
Other sanitary food containers and container products.....	5,205	20,556	11,934	8,622			
Packaging accessories, total	160,415	455,119	123,107	332,012	19,182	10,612	55,956
Gummed tape, total.....	56,753	100,306	28,709	71,597	12,291	6,554	41,117
Paper base, all types.....	45,661	97,191	28,709	68,482	8,280	6,554	41,117
Cloth base.....	11,102	3,115		3,115	4,011		
Gummed paper, including gummed flat.....	9,100	15,315	674	14,641	4,265	3,112	12,862
Laminated board, except laminated wallboard.....	14,683	88,459	48,265	40,194			
Tags, printed and unprinted.....	20,634	26,159		26,159	1,901	653	1,334
Labels and seals.....	9,753	15,401	61	15,340	725	293	643
Corrugated paperboard in sheets and rolls, lined and unlined.....	17,591	102,945	17,983	84,962			
Other packaging accessories.....	31,901	106,534	27,415	79,119			
Sanitary and health products, total²	220,046	788,376	688,723	99,653	76,907	74,989	526,290
Facial tissue and handkerchiefs.....	51,008	130,716	119,622	11,094	12,118	11,323	47,893
Table napkins, total.....	37,334	102,949	68,918	34,031	10,420	9,349	57,550
Industrial, including plain tissue.....	18,545	54,435	38,794	15,641			
Household.....	18,789	48,514	30,124	18,390			
Toilet paper, total.....	89,360	362,652	334,599	28,053	39,017	38,968	280,466
Rolls and ovals, total.....	83,313	338,273	313,400	24,873			
Facial type (two ply or more).....	13,935	34,503	28,974	5,529			
Toilet tissue.....	69,378	303,770	284,426	19,344			
Interfolded and flat package.....	6,047	24,379	21,199	3,180			
Toilet seat covers.....	744	1,620	145	1,475			
Towels, total.....	38,788	183,165	163,345	19,820	15,352	15,329	140,381
Industrial.....	27,804	134,320	119,494	14,826			
Household.....	10,984	48,845	43,851	4,994			
Other sanitary and health products.....	2,832	7,274	2,094	5,180			
Food serving products, total	36,812	57,316	14,106	43,210	2,848	1,960	12,331
Plates, dishes, spoons, and similar products, total.....	18,096	29,825	13,124	16,701	2,848	1,960	12,331
Stamped.....	9,631	29,716	13,124	16,592			
Molded.....	8,465	109		109			
Baking utensils.....	376	538		538			
Drinking straws, except glass.....	5,530	5,239		5,239			
Doilies, place mats, and tray doilies.....	6,481	11,566	741	10,825			
Other food serving products.....	6,329	10,148	241	9,907			
Novelties, games, displays, and similar products, total	45,062	58,021	948	57,073	3,014	1,099	5,078
Games, toys, advertising novelties, and decorated and undecorated novelties.....	23,384	37,013	351	36,662			
Playing cards.....	15,514	9,768		9,768			
Fine creped paper.....	5,654	10,190	597	9,593	2,976	1,073	4,865
Other novelties, etc.....	510	1,050		1,050	38	26	213
Industrial paper products, total	52,390	164,607	77,578	87,029	3,824	2,833	18,350
Laminated wallboard.....	12,111	83,819	41,117	42,702			
Fiber cones, reels, spools, bobbins, and blocks.....	9,716	36,530	25,960	10,570	3,575	2,711	18,021
Twisted paper for twine, cord, and other products.....	22,139	37,382	10,501	26,881			
Tympan and stencils, excluding mimeograph stencils.....	981	2,053		2,053			
Jacquard cards.....	606	2,619		2,619	249	122	329
Conduits, including pressed pulp.....	6,531	1,501		1,501			
Cable insulation.....	306	703		703			

See footnotes at end of table.

PRODUCT	1947				1939 ¹		
	Value of shipments	Paper and board consumption			All establishments (value of products)	Establishments reporting both paper consumption and value of products	
		Total	Own manufacture	Purchased		Value of products	Paper and board consumption
		(tons)	(tons)	(tons)		(tons)	
Miscellaneous paper products, total.....	180,040	331,173	79,319	251,854	41,295	5,011	4,582
Cloth lined paper, except cloth lined waterproof paper.....	408	286		286	704	652	926
Folders and mounts, all types.....	8,413	14,978		14,978	2,699	1,111	1,997
Paper draperies, blinds, and window decorations.....	5,666	5,577		5,577			
Paper-maché articles, except statuary and art goods.....	614						
Patterns.....	24,286	8,589	3,652	4,937	10,247	3,248	1,659
Shelf paper, total.....	2,881	5,210	424	4,786			
Printed.....	2,132	3,162		3,162			
Unprinted.....	749	2,048	424	1,624			
Wallpaper.....	57,763	127,566	10,196	117,370	24,954		
Fabricated vulcanized sheets, rods and tubes, except boxes.....	5,438	100		100	2,691		
Other miscellaneous paper and board products.....	74,571	168,867	65,047	103,820			
Unclassified paper and board products.....	15,109	30,544	7,123	23,421	113,493	55,096	373,318

NOTE: The "all other" or catch-all classifications may include small quantities of products specified in the group, which were not reported in sufficient detail for accurate product classification.

¹ In 1939 value was based on production instead of shipments.

² Does not include shipments of sanitary napkins and tampons amounting to \$37,948,000 and \$11,099,000, respectively, in 1947.

Chapter VIII—PRINTING AND PUBLISHING

NEWSPAPERS, PERIODICALS, BOOKS, AND MISCELLANEOUS PUBLISHING

TABLE A.—NEWSPAPERS—RECEIPTS, BY KIND, FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[All figures in thousands of dollars]

YEAR	Receipts			YEAR	Receipts		
	Total	Subscriptions and sales	Advertising		Total	Subscriptions and sales	Advertising
1947	\$1,792,338	\$599,925	\$1,192,413	1927	\$977,648	\$252,811	\$724,837
1939	845,687	306,192	539,495	1925	892,094	230,581	661,513
1937	861,689	287,509	574,180	1923	803,497	222,559	580,938
1935	769,247	260,224	509,023				
				1921	734,321	212,636	521,685
1933	667,820	239,147	428,673	1919	566,321	192,819	373,502
1931	686,523	261,569	424,954	1914	283,589	99,542	184,047
1929	1,078,119	275,781	797,338				

TABLE B.—NEWSPAPERS—DISTRIBUTION OF RECEIPTS FOR SUBSCRIPTIONS AND SALES AND FOR ADVERTISING, BY FREQUENCY OF ISSUE, FOR THE UNITED STATES: 1947

Section A shows for the United States a breakdown of circulation and receipts for (1) newspapers which reported separate circulation and receipt figures for each newspaper published, and (2) a breakdown of the most important combinations of receipt figures for two or more newspapers when separate data were not reported. Section B shows separate circulation figures for each frequency of issue and receipt figures for those newspapers which reported separate figures for each newspaper published.

[Money figures in thousands of dollars]

ITEM	Number of publications	Aggregate circulation per issue ¹	Receipts		
			Total	Subscriptions and sales	Advertising
A.—TOTAL	10,282	119,567,360	\$1,792,338	\$599,925	\$1,192,413
Receipts distributed	9,182	80,149,110	1,141,792	386,299	755,493
Receipts undistributed	1,100	39,418,250	650,546	213,626	436,920
Daily (a.m.) and Sunday			223,402	78,048	145,354
Daily (p.m.) and Sunday			219,061	68,299	150,762
Other undistributed			208,083	67,279	140,804
B.—FREQUENCY OF ISSUE					
Daily (a.m.) excluding Sunday	400	21,796,428			
Receipts distributed	208	11,990,687	221,603	84,413	137,190
Receipts undistributed	192	9,805,741	(?)	(?)	(?)
Daily (p.m.) excluding Sunday	1,454	31,490,086			
Receipts distributed	1,149	21,789,023	567,163	178,383	388,780
Receipts undistributed	305	9,701,063	(?)	(?)	(?)
Sunday ²	416	42,736,321			
Receipts distributed	96	23,772,577	199,418	91,692	107,726
Receipts undistributed	320	18,963,744	(?)	(?)	(?)
Weekly	7,705	21,407,560			
Receipts distributed	7,432	20,560,938	131,484	26,804	104,680
Receipts undistributed	273	846,622	(?)	(?)	(?)
Semiweekly	230	925,772			
Receipts distributed	222	841,772	10,188	1,711	8,477
Receipts undistributed	8	84,000	(?)	(?)	(?)
Triweekly	21	151,125			
Receipts distributed	20	145,045	1,748	402	1,346
Receipts undistributed	1	6,080	(?)	(?)	(?)
Other	56	1,060,068			
Receipts distributed	55	1,049,068	10,188	2,894	7,294
Receipts undistributed	1	11,000	(?)	(?)	(?)

¹ Calculated by totaling returns for average circulation per issue as made for individual publications.

² Included in total for receipts undistributed, due to the fact that many publishers of two or more newspapers of different frequencies of issue (especially publishers of daily and Sunday newspapers) were unable to report separate data for receipts for each newspaper.

³ Sunday editions of daily newspapers. Weekly newspapers issued on Sunday are classified as weekly newspapers, not as Sunday newspapers.

TABLE C.—NEWSPAPERS—NUMBER AND CIRCULATION, BY FREQUENCY OF ISSUE: 1947 AND EARLIER CENSUS YEARS

FREQUENCY OF ISSUE	1947	1939	1937	1935	1933	1931	1929
Total number.....	10,282	9,173	8,826	8,266	6,884	9,299	10,176
Aggregate circulation per issue ¹	119,567,360	96,476,469	95,296,150	87,096,149	76,298,620	86,457,458	91,778,033
Daily (excluding Sunday):							
Morning:							
Number.....	400	473	505	464	432	455	459
Circulation.....	21,796,428	17,152,298	17,311,078	15,983,996	14,781,657	15,480,287	15,741,769
Evening:							
Number.....	1,454	1,567	1,560	1,573	1,471	1,589	1,627
Circulation.....	31,490,086	25,813,827	26,033,858	24,886,550	22,848,688	25,813,372	26,273,692
Sunday:							
Number.....	416	542	528	523	489	555	578
Circulation.....	42,736,321	33,006,875	32,713,298	29,196,006	25,453,894	27,453,465	29,011,648
Weekly:							
Number.....	7,705	6,212	5,839	5,337	4,218	6,313	7,075
Circulation.....	21,407,560	18,294,604	17,286,731	15,185,366	12,048,317	16,173,234	18,883,551
Semiweekly:							
Number.....	230	343	348	332	240	339	381
Circulation.....	925,772	1,989,744	1,719,820	1,723,630	1,025,567	1,352,720	1,580,221
Triweekly:							
Number.....	21	36	46	37	34	48	56
Circulation.....	151,125	219,121	231,365	120,601	140,497	184,380	287,152
Other:							
Number.....	56						
Circulation.....	1,060,068						

¹ Calculated by totaling returns for average circulation per issue as made for individual publications.

TABLE D.—PERIODICALS—RECEIPTS BY KIND, FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars]

YEAR	Receipts			YEAR	Receipts		
	Total	Subscriptions and sales	Advertising		Total	Subscriptions and sales	Advertising
1947.....	\$1,045,523	\$419,782	\$625,741	1927.....	\$482,040	\$176,656	\$305,384
1939.....	409,027	184,572	224,455	1925.....	429,516	167,757	261,759
1937.....	407,835	171,961	235,874	1923.....	351,289	138,333	212,956
1935.....	329,564	143,466	186,098	1921.....	270,949	115,648	155,301
1933.....	269,294	128,292	141,002	1919.....	239,984	85,187	154,797
1931.....	407,254	163,698	243,556	1914.....	135,621	64,035	71,586
1929.....	507,445	184,545	322,900				

TABLE E.—PERIODICALS—NUMBER, CIRCULATION, AND RECEIPTS, BY FREQUENCY OF ISSUE, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars]

FREQUENCY OF ISSUE	Number of periodicals published	Aggregate circulation per issue	Receipts		
			Total	Subscriptions and sales	Advertising
Total.....	4,610	384,628,482	\$1,045,523	\$419,782	\$625,741
Daily.....	112	842,414	30,816	16,204	14,612
Weekly.....	892	69,392,699	363,339	113,778	249,561
Semi-monthly ¹	233	13,832,402	47,083	16,954	30,129
Monthly.....	2,253	194,823,923	537,877	230,275	307,602
Quarterly.....	647	45,535,089	20,235	17,758	2,477
Other.....	473	60,201,955	46,173	24,813	21,360

¹ Includes periodicals reported as biweekly.

CENSUS OF MANUFACTURES: 1947

TABLE F.—PERIODICALS—NUMBER AND CIRCULATION, BY FREQUENCY OF ISSUE: 1947 AND EARLIER CENSUS YEARS

FREQUENCY OF ISSUE	1947	1939	1937	1935	1933	1931	1929
Total number.....	4,610	4,985	4,202	4,019	3,459	4,887	5,157
Aggregate circulation ¹	384,628,482	239,692,508	224,274,792	178,620,672	174,759,493	183,527,411	202,021,695
Daily:							
Number.....	112	220	163	196	177	204	207
Circulation.....	842,414	1,979,417	790,722	681,697	793,936	830,992	932,363
Triweekly:							
Number.....	5	12	8	7	6	9	8
Circulation.....	4,826	27,152	32,978	22,327	25,206	31,314	24,625
Semiweekly:							
Number.....	21	50	45	27	30	38	27
Circulation.....	181,631	2,994,810	2,556,002	2,129,010	1,810,522	1,284,406	1,401,963
Weekly:							
Number.....	892	1,109	954	966	878	1,066	1,158
Circulation.....	69,392,699	55,825,296	56,115,124	42,648,210	39,365,192	30,781,548	34,494,799
Semimonthly:							
Number.....	233	193	179	171	145	205	224
Circulation.....	13,832,402	8,135,260	7,547,644	5,507,919	4,592,507	6,375,456	9,168,458
Monthly:							
Number.....	2,253	2,323	2,063	2,009	1,664	2,552	2,799
Circulation.....	194,823,923	134,766,467	124,520,846	102,193,740	103,192,794	122,670,528	133,048,488
Quarterly:							
Number.....	647	698	547	510	462	629	562
Circulation.....	45,535,089	26,238,181	25,808,324	23,277,089	23,237,557	19,575,617	20,605,002
Other:							
Number.....	447	380	243	133	97	184	172
Circulation.....	80,015,498	9,725,925	6,903,152	2,160,680	1,741,779	1,977,550	2,345,897

¹ Calculated by totaling returns for average circulation per issue as made for individual publications.

TABLE G.—PERIODICALS—NUMBER, CIRCULATION, AND RECEIPTS, BY TYPE: 1947

[Money figures in thousands of dollars]

TYPE OF PERIODICAL	Number of periodicals published	Aggregate circulation per issue	Receipts		
			Total	Subscriptions and sales	Advertising
Total.....	4,610	384,628,482	\$1,045,523	\$419,782	\$625,741
Agriculture and farm, general.....	95	16,514,389	38,060	5,962	32,098
Agriculture and farm, specialized.....	144	6,004,983	10,957	1,985	8,972
Art, music, and drama.....	54	2,730,156	5,322	2,364	2,958
Business and finance.....	127	2,013,301	31,211	14,032	17,179
Comics.....	263	89,478,359	41,829	35,873	5,956
Educational.....	177	14,565,480	21,845	17,050	4,795
Fashions.....	38	5,746,386	31,603	8,494	23,109
Fiction.....	180	35,331,915	44,572	31,158	13,414
Fraternal and clubs.....	98	14,388,346	9,163	5,904	3,259
General interest, news, and current events.....	203	64,228,438	343,865	126,797	217,068
Geography and travel.....	20	1,187,209	6,293	4,048	2,245
Home and garden.....	32	11,867,496	39,874	12,259	27,615
Juvenile.....	17	2,837,227	7,058	3,618	3,440
Labor.....	183	3,694,105	6,877	3,511	3,366
Legal.....	85	273,256	3,319	1,831	1,488
Medical and dental.....	143	1,893,790	11,392	4,668	6,724
Military and Naval.....	21	622,199	1,841	1,206	635
Motion picture.....	31	8,271,604	15,032	7,695	7,337
Religious.....	951	47,190,846	42,752	36,050	6,702
Science and technology.....	106	3,917,811	13,658	7,593	6,065
Sports, outdoor, hobbies, etc.....	206	8,976,671	36,412	21,610	14,802
Trade: merchandising.....	472	5,310,482	62,348	7,655	54,693
Trade: professional, institutional, and service.....	298	3,099,216	31,146	6,114	25,032
Trade: industrial, engineering, and technical.....	489	6,163,707	79,421	8,829	70,592
University, college, and school.....	17	64,180	418	106	312
Women's service.....	21	22,555,865	100,489	38,014	62,475
All other.....	139	5,699,085	8,766	5,356	3,410

TABLE 6-H.—BOOK PUBLISHING—NUMBER OF COPIES SOLD AND RECEIPTS, BY TYPE: 1947

[All figures in thousands]

TYPE	All editions				Original editions				Reprint editions			
	Number of copies sold			Receipts	Number of copies sold			Receipts	Number of copies sold			Receipts
	Total	Hard-bound	Paper-bound		Total	Hard-bound	Paper-bound		Total	Hard-bound	Paper-bound	
Books, total.....	487, 216	277, 450	209, 766	\$435, 134								
Textbooks:												
Elementary and high school.....	74, 254	53, 285	20, 969	\$55, 068	73, 442	53, 021	20, 421	\$54, 405	812	264	548	\$663
College.....	23, 821	22, 547	1, 274	52, 513	23, 112	22, 068	1, 044	51, 337	709	479	230	1, 176
School work books (except educational tests).....	41, 070	843	40, 227	13, 227	39, 955	786	39, 169	12, 875	1, 115	57	1, 058	352
Religious books:												
Bibles and testaments.....	9, 248	4, 703	4, 545	9, 285	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Prayer books.....	2, 606	1, 372	1, 234	1, 558								
General religious books and hymnals.....	30, 689	15, 619	15, 070	18, 050	23, 258	13, 284	9, 974	15, 344	7, 431	2, 335	5, 096	2, 706
Technical and professional books.....	17, 467	11, 676	5, 791	45, 837	13, 703	9, 968	3, 735	40, 035	3, 764	1, 708	2, 056	5, 802
Mail order books, including book clubs.....	54, 429	45, 546	8, 883	65, 423	9, 575	5, 019	4, 556	14, 696	44, 854	40, 527	4, 327	50, 727
Subscription books.....	14, 626	13, 890	746	63, 851	12, 604	12, 021	583	58, 351	2, 022	1, 859	163	5, 500
Trade books:												
Adult.....	140, 414	48, 673	91, 741	69, 963	32, 345	29, 066	3, 279	46, 131	108, 069	19, 607	88, 462	23, 832
Juvenile.....	53, 752	49, 962	3, 790	20, 289	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
Other books.....	24, 840	9, 344	15, 496	20, 070	21, 530	7, 901	13, 629	15, 214	3, 310	1, 443	1, 867	4, 856
All pamphlets, total, including educational tests.....	402, 290		402, 290	20, 656								

^d Withheld to avoid disclosing figures for individual companies.

COMMERCIAL PRINTING; LITHOGRAPHING; GREETING CARDS; BOOKBINDING; AND RELATED PRODUCTS

TABLE A.—LETTERPRESS, GRAVURE, AND LITHOGRAPHED PRODUCTS: 1947, 1939, AND 1937

[All figures in thousands of dollars]

PRODUCT	1947	1939	1937	PRODUCT	1947	1939	1937
Commercial printing:				Lithographing, total ¹	\$465,476	\$143,795	\$130,553
Letterpress, total ¹	\$1,436,549	\$542,538	\$587,588	Newspapers, periodicals, and ready prints.....	9,384	1,355	1,925
Newspapers, periodicals, and ready prints.....	258,740	89,459	83,146	Labels and wrappers.....	72,860	27,087	24,929
Labels and wrappers.....	109,137	39,125	38,812	Decalcomanias.....	17,199	7,422	n.a.
All other letterpress printing.....	1,068,672	413,954	465,630	All other lithographing.....	366,033	107,931	103,699
Gravure, total ¹	62,371	16,732	18,603	Lithograph plates made for others.....	16,691	3,907	2,597
Newspapers, periodicals, and ready prints.....	31,021	11,773	n.a.				
Labels and wrappers.....	8,583	n.a.	n.a.				
All other gravure printing.....	22,767	4,959	n.a.				
Gravure plates made for others.....	4,055	428	n.a.				

n.a.—Not available.

¹ The totals for each process do not include the following: (1) Books and pamphlets printed only, and printed and bound, 1947 letterpress \$122,222,000; gravure \$1,541,000; lithographing \$29,059,000; and (2) greeting cards, 1947, letterpress \$5,421,000, gravure \$492,000, and lithographing \$14,557,000.

² Includes multigraphing and mimeographing: 1939, \$2,186,000; 1937, \$2,446,000.

TABLE B.—PRINTED PRODUCTS OF ALL INDUSTRIES, BY PROCESS: 1947

[All figures in thousands of dollars]

PRODUCT	Total	Letterpress	Lithographing	Engraving	Gravure	Silk screen
Total	\$2,199,218	\$1,565,177	\$509,091	\$50,580	\$63,441	\$10,929
Newspapers, ready prints and shopping newspapers.....	94,307	77,222	615	123	16,347	
Magazines and periodicals.....	205,117	181,518	8,769	156	14,674	
Books and pamphlets, printed only.....	50,924	37,171	12,703	171	879	
Books and pamphlets, printed and bound.....	102,078	85,061	16,355	(?)	662	
Maps, atlases, and globe covers.....	5,154	1,248	3,869	37		
Greetings cards, printed for publishers.....	21,551	5,421	14,557	1,081	492	
Picture postcards, souvenir cards, etc.....	3,161	1,329	1,642	190	(?)	
Government printing (Federal, State, county, etc.).....	34,319	26,862	7,262	76	119	
Labels and wrappers ²	191,202	109,137	72,860	622	8,583	
Continuous business forms (including carbon interleaved).....	89,581	66,790	22,791			
Tickets and coupons.....	19,271	17,702	1,544	25		
Calendars and calendar pads.....	51,502	22,542	24,502	97	4,361	
Catalogs and directories.....	94,824	71,509	12,786	17	10,512	
All general (job) printing.....	1,167,298	858,971	288,957	12,558	6,812	
Engraving and plate printing, n.e.c.....	35,427			35,427		
Silk screen printing, except decalcomanias.....	9,434					9,434
Decalcomanias.....	20,113	1,419	17,199		(?)	1,495
Embossing on paper.....	1,258	1,258				
Printing on metal.....	2,697	17	2,680	(?)		

¹ To avoid disclosure, the total for letterpress includes a small amount of engraving and \$963,000 of gravure printing.

² Combined with letterpress to avoid disclosure.

³ Includes a small amount of engraving.

⁴ Includes a small amount of gravure.

⁵ In addition, labels and printed bread wrappers are produced by the Paper and Board Products Industries. The following amounts are shown in Census of Manufactures Pamphlet, MC26B, "Paper and Board Products," for these products: labels, and seals, \$9,753,000; printed bread wrappers, \$47,484,000.

TABLE C.—GREETING CARDS—VALUE OF PRODUCTS
(RECEIPTS): 1947, 1939, AND 1937

[All figures in thousands of dollars]

ITEM	1947	1939	1937
Greeting cards, total value ¹.....	\$129,267	\$44,286	\$32,637
Publishers' sales:			
Value of products (receipts).....	107,716	28,314	n.a.
Number of greeting cards sold ²	2,990,000	n.a.	
Printed for publication by others, total ¹	21,551	15,972	
Letterpress.....	5,421	9,888	
Lithography.....	14,557	4,297	
Engraving.....	1,081	1,272	
Gravure.....	492	515	

n.a.—Not available.

¹ Since this printing is done for greeting card publishers, the total value of products includes this duplication.

² Includes souvenir cards.

³ Estimated in part.

TABLE D.—BOOKBINDING, BLANKBOOKS, LOOSE-LEAF,
AND RELATED PRODUCTS: 1947, 1939, AND 1937

[All figures in thousands of dollars]

ITEM	1947	1939	1937
Bookbinding	\$109,904	\$43,790	\$50,544
Blankbooks.....	70,256	27,013	25,736
Loose-leaf:			
Forms and fillers.....	18,853	12,035	10,474
Binders (including library binders).....	31,779	11,034	13,027
Loose-leaf products, not specified by kind.....	1,409		
Paper ruling.....	5,544	14,495	0,473
Miscellaneous work related to bookbinding.....	18,692		

SERVICES FOR THE PRINTING TRADES

[All figures in thousands of dollars]

ITEM	1947	1939	1937	1929
Typesetting, total	\$81,034	\$28,880	\$28,200	\$30,647
Trade typesetting	56,055	n.a.	n.a.	n.a.
Advertising typography	24,979			
Engraving, total	51,735	24,913	27,595	n.a.
Engraving and plate printing	49,337	n.a.	n.a.	n.a.
Engraving textile printing rollers	2,398			
Photoengraving and photoengraved plates made for others	133,438	56,494	58,271	n.a.
Electrotyping, stereotyping, and matrixes, total	61,066	32,018	33,803	40,827
Electrotyping	45,779			
Stereotyping	7,013	n.a.	n.a.	n.a.
Matrixes made for others	8,274			

n.a.—Not available.

Chapter IX—CHEMICALS AND ALLIED PRODUCTS

INDUSTRIAL INORGANIC CHEMICALS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947						1939		
		Shipments and interplant transfers						Produced for sale		Total production (quantity)
		Total		Interplant transfers		All other shipments		Total production (quantity)	Value f.o.b. plant	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant			
Alkalies and chlorine			\$198,362						\$82,542	
Chlorine.....			31,204						10,468	
Gas.....	Short ton	294,042	10,492	7,049	\$685	286,993	\$9,807	¹ 21,443,219		
Liquid.....	do...	487,803	20,712	45,674	2,199	442,129	18,513	644,007	315,130	² 514,401
Alkalies (electrolytic and nonelectrolytic)			165,857						72,074	
Potassium hydroxide (caustic potash) (88-92% KOH).....	Short ton	50,891	6,834					60,069	13,856	1,831
Sodium bicarbonate (100% NaHCO ₃).....	do...	177,381	5,356	22,853	757	154,528	4,599	180,596	148,610	3,839
Sodium carbonate:										
Soda ash (98-100% Na ₂ CO ₃):										
Ammonia soda process:										
Total wet and dry.....	Short ton							³ 4,524,668		
Finished light.....	do...	1,525,581	28,359	125,592	2,068	1,399,989	26,291	⁴ 3,835,996		
Finished dense.....	do...	1,611,449	29,235	115,749	2,065	1,495,700	27,170	1,629,406	2,012,804	31,106
Natural (100% Na ₂ CO ₃ ·H ₂ O).....	do...	260,670	5,114					276,428		
Sal soda (100% Na ₂ CO ₃ ·10H ₂ O).....	do...	28,567	1,036					28,440	29,971	756
Other carbonates ⁵	do...		2,888							n.a.
Modified sodas.....	Short ton	95,778	4,391					114,831	n.a.	n.a.
Sodium hydroxide (caustic soda) (100% NaOH): ⁶										
Electrolytic process:										
Liquid.....	do...	907,943	35,058	114,352	4,474	793,591	30,584	1,353,429		
Solid (except flake and powder).....	do...	91,704	6,681	6,219	266	85,485	6,415	247,054	⁷ 426,250	15,095
Flake and powder.....	do...	109,817	7,147	1,586	110	108,231	7,037	133,923		
Lime soda process:										
Liquid.....	do...	503,324	20,714	2,499	102	500,825	20,612	749,721		
Solid (except flake and powder).....	do...	65,607	3,513					246,303	⁷ 523,907	19,447
Flake and powder.....	do...	149,209	9,531	1,478	88	147,731	9,443	178,405		
Alkalies, not specified by kind ⁸	do...		1,301							
Inorganic chemicals, n.e.c.			77,316							n.a.
Sulfuric acid (gross) (100% H ₂ SO ₄), total ⁹	Short ton	6,824,756	89,129	518,328	6,507	6,306,428	82,622	10,780,166	3,174,981	37,731
Chamber process (100% H ₂ SO ₄).....	do...	1,662,961	21,380	279,704	3,273	1,383,257	18,107	3,274,753	1,397,192	14,955
Contact process (gross) (100% H ₂ SO ₄).....	do...	5,161,795	67,749	238,624	3,234	4,923,171	64,515	7,505,413	1,777,789	22,776
Oleum under 40% (gross) (100% H ₂ SO ₄).....	do...	407,840	5,926	728	9	407,112	5,917	628,699	n.a.	n.a.
Oleum, 40% and over (gross) (100% H ₂ SO ₄).....	do...	127,004	1,542	154	6	126,850	1,536	245,950	n.a.	n.a.
Other than oleum (gross) (100% H ₂ SO ₄).....	do...	4,626,951	60,281	237,742	3,219	4,389,209	57,062	6,630,764	n.a.	n.a.
Spent acid fortified in contact units and included in above figures.....	do...							676,773	n.a.	n.a.
Synthetic ammonia and nitric acid, total.....			29,843						13,093	
Synthetic ammonia:										
Anhydrous (100% NH ₃).....	Short ton	376,561	23,601	27,692	1,614	348,869	21,987	1,114,000	113,610	8,470
Aqua (100% NH ₃).....	do...	23,360	1,506	1,174	70	22,186	1,436	23,766	15,653	1,438
Nitric acid (100% HNO ₃).....	do...	71,743	4,736	37,347	2,347	3,396	2,389	1,169,411	34,571	3,185
Chlorine bleaching compounds, total.....			37,276							
Calcium hypochlorite (70% avail. Cl ₂).....	Short ton	9,968	2,840	244	67	9,724	2,773	10,955		
Bleaching powder and liquid lime bleach (35-37% avail. Cl ₂).....	do...	22,243	964	574	44	21,669	920	24,129	n.a.	11,982
Sodium hypochlorite and other liquid sodium bleaching compounds (15% avail. Cl ₂).....	do...	156,419	16,743					163,711		n.a.
Other chlorine bleaching compounds ¹⁰	do...		16,729							
Other inorganic chemicals, n.e.c., total.....			570,517							n.a.
Acids:										
Boric (Boracic) (100% H ₃ BO ₃).....	Short ton	36,449	3,306	1,583	66	34,866	3,240	41,494	17,348	1,492
Hydrochloric (includes anhydrous) (100% HCl):										
From salt and acid (100% HCl).....	do...	206,705	9,362	6,146	344	200,559	9,018	442,558	76,800	3,949
From chlorine (100% HCl).....	do...	109,631	6,117	3,097	272	106,534	5,845	173,541	51,401	2,925
Byproduct and other (100% HCl).....	do...	6,358	272					87,112		
Total.....	do...	90,716	2,973	3,049	72	87,667	2,901	181,905	25,399	1,023
Hydrocyanic (includes anhydrous) (100% HCN).....	do...	1,072	1,053					5,083	n.a.	n.a.
Hydrofluoric (includes anhydrous) (100% HF).....	do...	13,624	4,186	5,744	1,661	7,880	2,525	27,933	2,173	665
Mixed acid (nitric and sulfuric).....	do...	89,843	3,818	25,851	1,185	69,992	2,633	243,060	56,517	2,697
Phosphoric (50% H ₃ PO ₄), total.....	do...	98,140	5,766					1,012,971	76,910	3,035
From phosphorus (50% H ₃ PO ₄).....	do...	84,690	5,257	23,226	1,387	61,464	3,870	529,848	n.a.	n.a.
From rock (50% H ₃ PO ₄).....	do...	13,450	509					483,123	n.a.	n.a.
Other inorganic acids, n.e.c.....	do...		2,580							
Aluminum compounds:										
Alums:										
Ammonium-aluminum-sulfate.....	Short ton	5,167	374					5,018	5,065	268
Potassium-aluminum-sulfate.....	do...	3,563	290					4,106	n.a.	n.a.
Other alums.....	do...		1,545						n.a.	n.a.
Chloride:										
Crystal and liquid (10.4% Al ₂ O ₃).....	Short ton	11,249	443	119	5	11,130	438	13,219		
Anhydrous (38.6% Al ₂ O ₃).....	do...	11,106	2,163					16,812	5,024	788
Oxide (except natural alumina) (100% Al ₂ O ₃).....	do...	1,145,613	50,544	493,199	19,403	652,414	31,141	1,142,665	n.a.	n.a.
Sodium aluminate (62.2% Al ₂ O ₃).....	do...	8,774	730					8,458	n.a.	n.a.
Sulfate (17% Al ₂ O ₃).....	do...	582,916	13,800	2,029	50	580,887	13,750	583,538	416,108	8,455
Other inorganic aluminum compounds.....	do...		6,689							

See footnotes at end of table.

PRODUCT	Unit of measure	1947						1939			
		Shipments and interplant transfers						Total production (quantity)	Produced for sale		Total production (quantity)
		Total		Interplant transfers		All other shipments			Quantity	Value f.o.b. plant	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant				
Inorganic chemicals, n.e.c.—Continued											
Other inorganic chemicals, n.e.c.—Continued											
Ammonium compounds:											
Chloride (100% NH ₄ Cl)	Short ton	35,589	3,741	131	14	35,458	3,727	35,409	22,761	2,051	n.a.
Nitrate (fertilizer grade) (100% NH ₄ N O ₃)	do.	849,942	1145,179					928,161	25,968	1,341	n.a.
Nitrate (except fertilizer grade) (100% NH ₄ NO ₃)	do.	62,583	3,489	19,377	1,202	43,206	2,287	158,708			
Sulfate (other than byproduct coke oven) (100% (NH ₄) ₂ SO ₄)	do.	186,917	9,069					195,848			
Other ammonium compounds			5,247								
Antimony compounds ¹²			2,159								
Arsenic compounds (including white arsenic) ¹³			1,821								
Barium compounds:											
Chloride (100% BaCl ₂ ·2H ₂ O)	Short ton	14,850	1,270					15,699			
Other barium compounds ¹⁴			1,907								
Beryllium compounds			526								
Bismuth compounds:											
Subcarbonate (100% Bi ₂ O ₃ ·CO ₂ ·2H ₂ O)	Pound	232,468	608					269,539	241,817	353	n.a.
Subnitrate (100% BiONO ₃ ·H ₂ O)	do.	409,350	859					462,646	365,522	488	n.a.
Bromine (100% Br)	do.	1,492,949	234					4,419,461	2,228,852	507	n.a.
Calcium compounds:											
Arsenate (100% Ca ₃ (AsO ₄) ₂)	Short ton	11,044	1,925					23,452	n.a.	n.a.	n.a.
Carbonate (precipitated) (100% CaCO ₃)	do.	178,471	5,367	13,246	203	165,225	5,164	186,743	70,504	1,646	n.a.
Chloride:											
Solid except flake (73-75% CaCl ₂)	do.	11,571	245					74,498	5,494	108	n.a.
Flake (77-80% CaCl ₂)	do.	299,106	4,920	1,271	26	297,835	4,894	299,104	215,149	4,075	n.a.
Liquid (40-45% CaCl ₂) ¹⁵	do.	77,299	390	1,720	4	75,579	386	286,521	33,019	187	n.a.
Phosphates (mono, di and tri) ¹⁶			7,931							5,035	
Other calcium compounds ^{14, 17}			29,680								
Carbon (activated)	Short ton		4,249						16,168	1,881	n.a.
Chromium compounds:											
Sodium bichromate and chromate	do.	76,414	11,283	10,155	1,688	66,259	9,595	90,285	54,385	6,399	n.a.
Other chromium compounds ^{14, 18}			4,678								
Copper compounds:											
Sulfate (100% CuSO ₄ ·5H ₂ O)	Short ton	69,623	9,604	2,013	258	67,610	9,346	87,807	34,082	2,774	n.a.
Other copper compounds			2,947								
Hydrogen peroxide (100% Vol: 27.5% by weight)	Short ton	22,631	6,863	584	186	22,047	6,677	23,955	10,744	3,450	n.a.
Iodine (100% I ₂) resublimed ²⁴	Pound	745,437	1,133					881,869	404,344	457	n.a.
Iron compounds:											
Ferric chloride (100% FeCl ₃)	Short ton	15,137	892	216	18	14,921	874	15,515	n.a.	n.a.	n.a.
Ferrous sulfate (100% FeSO ₄ ·7H ₂ O)	do.	52,399	725	17,957	246	34,442	479	75,619	35,214	443	n.a.
Other iron compounds ¹⁴			3,902								
Lead compounds:											
Lead arsenate (acid and basic)	Short ton	9,365	3,527					15,503	n.a.	n.a.	n.a.
Lead nitrate (100% Pb (NO ₃) ₂)	do.	761	286					796	n.a.	n.a.	n.a.
Other lead compounds ¹⁴			120								
Lithium compounds			1,640								
Magnesium compounds			6,980								
Manganese sulfate (100% MnSO ₄ ·4H ₂ O)	Short ton	17,447	1,125					18,340	5,787	309	n.a.
Mercury compounds:											
Mercuric chloride (100% HgCl ₂)	do.	113	375					656	322	859	n.a.
Mercurous chloride (100% HgCl)	do.	16	72					13			
Mercuric oxide (yellow) (100% HgO)	do.	225	402					242			
Mercuric oxide (red) (100% HgO) ¹⁹	do.	16	75					177	213	669	n.a.
Other mercury compounds ²⁰			577								
Nickel compounds:											
Sulfate (100% NiSO ₄ ·6H ₂ O)	Short ton	8,712	2,072	1,940	427	6,772	1,645	8,879	3,523	775	n.a.
Other nickel compounds			1,612								
Phosphorus compounds:											
Phosphorus (elemental white-yellow and red) (technical)	Short ton	57,898	13,636	49,253	11,657	8,645	1,979	85,940	n.a.	n.a.	n.a.
Oxychloride (100% POCl ₃)	do.	5,931	1,063					7,301	n.a.	n.a.	n.a.
Pentoxide (100% P ₂ O ₅)	do.	5,828	911	450	73	5,378	838	8,780	n.a.	n.a.	n.a.
Other phosphorus compounds			1,650								
Potassium compounds:											
Chlorate (100% KClO ₃)	Short ton	10,619	2,173					10,253	n.a.	n.a.	n.a.
Iodide (100% KI)	Pound	1,178,833	2,163					1,260,838	914,926	1,075	n.a.
Other potassium compounds ²¹			24,216								
Silver compounds:											
Cyanide (100% AgCN)	M oz.	678	408					619	249	96	n.a.
Nitrate (100% AgNO ₃)	do.	40,131	17,865	27,650	12,954	12,481	4,911	38,336	23,653	6,275	n.a.
Silica gel (all grades)			5,673								

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947						1939			
		Shipments and interplant transfers						Total production (quantity)	Produced for sale		Total production (quantity)
		Total		Interplant transfers		All other shipments			Quantity	Value f.o.b. plant	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant				
Inorganic chemicals, n.e.c.—Continued											
Other inorganic chemicals, n.e.c.—Continued											
Sodium compounds:											
Bisulfate (niter cake) (100% NaHSO ₄)	Short ton	43,848	1,706	3,804	136	40,044	1,570	41,663	34,101	607	n.a.
Borate (borax) (technical) ²¹	do	177,984	7,289					308,542	n.a.	n.a.	n.a.
Chlorate (100% NaClO ₃)	do	17,538	2,443					20,459	n.a.	n.a.	n.a.
Hydrosulfite (100% Na ₂ S ₂ O ₄)	do	20,029	7,415					20,910	7,366	2,236	n.a.
Hydrosulfide (sulfhydrate) (100% NaSH)	do	11,643	758					11,732	n.a.	n.a.	n.a.
Phosphates:											
Monobasic (100% NaH ₂ PO ₄)	do	4,082	616	104	17	3,978	599	14,690	3,197	437	n.a.
Dibasic (100% Na ₂ HPO ₄)	do	24,802	3,012	557	61	24,245	2,951	78,806	13,431	1,207	n.a.
Tribasic (100% Na ₃ PO ₄)	do	88,307	11,878	560	80	87,747	11,798	88,568	114,687	4,820	n.a.
Tetra sodium (pyro) (100% Na ₄ P ₂ O ₇)	do	53,637	6,554	1,918	224	51,719	6,330	56,641	47,587	4,674	n.a.
Meta (100% NaPO ₃)	do	29,776	4,497					30,460	n.a.	n.a.	n.a.
Acid pyro (100% Na ₂ H ₂ P ₂ O ₇)	do	14,790	2,475					15,180	n.a.	n.a.	n.a.
Other sodium phosphates	do		6,456								
Silicates:											
Water glass (soluble silicate glass) (anhydrous and liquid) (anhydrous basis)	Short ton	450,799	14,089	966	25	449,833	14,064	492,837	n.a.	n.a.	n.a.
Meta silicate (100% Na ₂ SiO ₃ ·5H ₂ O)	do	68,994	3,938	2,443	154	66,551	3,784	76,035	n.a.	n.a.	n.a.
Ortho silicate (100% Na ₄ SiO ₄)	do	31,846	3,077	1,816	92	30,030	2,985	35,566	n.a.	n.a.	n.a.
Silicofluoride (100% Na ₂ SiF ₆)	do	15,377	1,945					17,996	6,443	482	n.a.
Sulfate:											
Anhydrous (100% Na ₂ SO ₄)	do	36,534	1,023					134,969	42,498	690	n.a.
Salt cake (crude) (technical)	do	614,853	10,741	6,550	115	608,303	10,626	663,517	226,151	2,311	n.a.
Glauber salt (100% Na ₂ SO ₄ ·10H ₂ O)	do	28,794	809	730	15	28,064	794	202,285	34,493	540	n.a.
Sulfide:											
Concentrated (80-82% Na ₂ S)	do	38,680	3,367	790	74	37,890	3,293	39,245	n.a.	1,634	n.a.
Other (including liquid and crystal)	do		1,044								
Sulfite (100% Na ₂ SO ₃)	Short ton	36,053	1,854	1,323	78	34,730	1,776	36,364	11,213	694	n.a.
Thiosulfate (hypo) (100% Na ₂ S ₂ O ₃ ·5H ₂ O)	do	33,604	1,921	674	37	32,930	1,884	34,809	25,714	1,142	n.a.
Other sodium compounds, n.e.c.	do		20,560								
Strontium compounds											
Sulfur compounds:											
Dioxide (100% SO ₂)	Short ton	27,207	2,270	244	16	26,963	2,254	44,869	13,486	1,297	n.a.
Chloride (technical)	do	3,375	190					4,896	1,877	97	n.a.
Other sulfur compounds ²²	do		7,922								
Tin compounds:											
Stannous chloride (100% SnCl ₂)	Short ton	315	370	27	35	288	335	333	294	231	n.a.
Other tin compounds	do		1,046								
Tungsten compounds:											
Sodium tungstate (100% Na ₂ WO ₄ ·2H ₂ O)	Short ton	379	1,022					434	n.a.	n.a.	n.a.
Other tungsten compounds	do		1,252						n.a.	n.a.	n.a.
Zinc compounds:											
Sulfate (100% ZnSO ₄ ·7H ₂ O)	Short ton	12,319	1,312					14,347	14,539	711	n.a.
Other zinc compounds ¹¹	do		6,456								
Reagent and U.S.P. grades refined from purchased technical grades	do		4,875								
Other inorganic chemicals	do		44,273								
Inorganic chemicals, not specified by kind	do		551								

n.a.—Not available.

¹ Includes quantities liquefied for use, storage, or shipment.² Includes 68,090 and 24,145 short tons of chlorine produced in 1947 and 1939, respectively, in establishments classified in the pulp and paper industries.³ Total of manufactured soda ash including quantities used in further chemical manufacture or transferred without being calcined as well as quantities later calcined.⁴ Total calcined ash including quantities used or shipped and quantities converted to dense ash.⁵ Includes in order of value potassium carbonate, sodium carbonate monohydrate, and electrolytic soda ash.⁶ Liquid production figures include quantities evaporated to solid caustic; production figures for solid include quantities used to produce flake and powder.⁷ 75 percent Na₂O basis.⁸ Principally alkaline mixtures and residues.⁹ Gross quantities include spent sulfuric acid fortified in contact units.¹⁰ Includes in order of value household and laundry bleaches and bleaching powder which could not be shown separately without disclosing figures for individual companies.¹¹ Sales value is on basis of ammonium nitrate plus free ammonia.¹² Includes sodium antimonate.¹³ Data for arsenates and arsenites are included under the metallic (basic) radical groupings.¹⁴ Excludes chemicals classified in the "Inorganic Color Pigments Industry."¹⁵ Excludes quantities of liquid used to produce solid calcium chloride.¹⁶ Combined to avoid disclosing figures for individual companies. The 1947 production of monocalcium phosphate and dicalcium phosphates, respectively, was 36,898 and 41,323 short tons.¹⁷ Includes, in addition to unspecified calcium compounds, calcium carbide which could not be shown separately without disclosing figures for individual companies.¹⁸ The 1947 production of calcium carbide totaled 607,113 short tons.¹⁹ Includes chromic acid, potassium bichromate, and potassium chromate which could not be shown separately without disclosing figures for individual companies.²⁰ Excludes chrome tanning materials which are classified in the "Natural Tanning and Dyeing Materials Industry."²¹ Includes regular and battery grades of red mercuric oxide.²² Includes redistilled mercury.²³ Excludes quantities shipped and produced by establishments primarily engaged in mining.²⁴ Includes refined and ground sulfur.²⁵ Excludes quantities produced and consumed in establishments classified in pulp and paper industries.²⁶ Includes an unspecified amount of domestically produced crude.

INDUSTRIAL ORGANIC CHEMICALS

[Money figures in thousands of dollars]

PRODUCT	1947			1939	
	Total shipments and interplant transfers		Total production ¹ (quantity)	Produced for sale	
	Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
	(Pounds)		(Pounds)	(Pounds)	
Cyclic (coal-tar) crudes ²		\$65,979			\$29,679
Synthetic rubbers.....		253,043			n.a.
Organic chemicals, n.e.c.		1,365,712			n.a.
Intermediates, dyes, color lakes, and toners, total.....		379,131			n.a.
Cyclic (coal-tar) intermediates.....		188,600			43,677
Cyclic (coal-tar) dyes.....		149,208			n.a.
Synthetic organic pigments, lakes, and toners.....		37,887			11,588
Not specified by kind.....		3,436			
Synthetic organic chemicals, total.....		759,648			
Crude products from petroleum and natural gas ⁴		8,384			
Rubber processing chemicals.....		43,324			
Plasticizers.....		41,418			n.a.
Flavor and perfume materials.....		23,378			
Miscellaneous cyclic chemical products.....		52,425			
Miscellaneous acyclic chemicals and chemical products.....		590,719			
Industrial ethyl alcohol, total.....		145,953			n.a.
Pure.....		60,316			n.a.
Denatured.....		85,637			n.a.
Other organic chemicals, total.....		67,460			n.a.
Casein.....		5,733			3,840
Other, including tannic and tartaric acid.....		61,717			n.a.
Organic chemicals, not specified by kind.....		13,530			
Plastics materials and synthetic resins		530,192			77,980
Cellulose plastics materials, total ⁷		60,704			20,307
Cellulose acetate and mixed ester sheets, rods, and tubes:					
Continuous sheets, under .003 gauge.....	7,203,830	5,024	7,149,177	8,743,139	6,588
Continuous sheets, .003 gauge and over.....	7,843,613	7,937	7,981,408		
All other sheets, rods, and tubes.....	4,041,965	4,898	4,181,293		
Nitrocellulose sheets, rods, and tubes:					
Sheets.....	9,134,243	10,964	9,811,689	11,207,637	8,496
Rods and tubes.....	2,801,246	4,016	2,977,718		
Other cellulose plastics materials ⁸	55,188,468	27,865	56,703,313	11,537,032	5,223
Synthetic resins, total ⁹		272,054			n.a.
Phenolic:					
Laminating (dry basis).....	29,305,028	8,678	29,666,603	106,784,241	21,444
Adhesives (dry basis).....	27,733,282	6,999	28,482,398		
Molding materials (dry basis) ⁷	204,880,991	37,036	213,163,731		
All other, including casting (dry basis).....	42,169,857	12,690	43,393,712		
Urea and melamine:					
Adhesive (dry basis).....	52,249,886	10,617	53,100,146		
Textile and paper treating (dry basis).....	15,633,089	4,698	16,370,272		
Other ^{7,10}	43,237,715	16,453	44,271,584		
Vinyl:					
Sheeting and film, including safety glass sheeting ⁷	62,010,255	40,524	65,539,052	n.a.	n.a.
Textile and paper treating (resin basis).....	5,938,853	3,057	6,647,659		
Adhesives (resin basis).....	2,672,697	1,120	2,726,438		
Molding materials ⁷	37,493,438	15,261	41,229,455		
Other uses (resin basis).....	8,783,942	5,523	9,356,192		
Polystyrene molding materials ⁷	84,592,306	24,433	90,886,518		
Synthetic resins, not specified above ¹¹		81,965			
Vulcanized fiber, total.....		17,086			
Sheets.....	49,371,282	13,574	53,634,684	n.a.	n.a.
Other including rods, tubes, and hollow ware.....		3,512			n.a.
Other plastic and resin materials (including protective coating resins and transparent wrapping materials, including cellophane).....		177,313			n.a.
Plastics materials, not specified by kind.....		3,035			
Synthetic fiber, total	(M pounds)	704,204	(M pounds)	(M pounds)	246,003
Rayon products, total.....	991,387	585,795	998,109		197,332
Packaged rayon, total.....	746,766	501,882	746,933	328,625	182,348
By denier:					
50 (82 and less).....	21,596	24,615	21,939	48,054	36,585
75 (83 to 87).....	101,754	91,450	102,283		
100 (88 to 112).....	91,098	75,943	91,109		
125 (113 to 137).....	34,569	25,850	34,220		
150 (138 to 162).....	184,582	121,127	185,338	59,421	39,014
200 and coarser (163 and up).....	312,167	162,897	312,044	7,371	4,450
Staple.....	221,004	78,259	222,909	51,314	13,519
Tow.....	4,710	1,724	5,624		
Rayon waste.....	18,817	2,712	21,764		
Other rayon products, including "horse hair" rayon.....	1,090	1,218	879	12,600	1,465
Related cellulose products (sausage casings, caps, bands, sponges, etc.).....	17,351	26,492	17,447	12,110,115	48,671
Synthetic fibers, other than rayon, excluding glass fibers.....	43,014	91,917	44,151	n.a.	n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947			1939	
	Total shipments and interplant transfers		Total production ¹ (quantity)	Produced for sale	
	Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
	(M pounds)		(M pounds)	(M pounds)	
Rayon products by process:					
Acetate, total.....	279,956	199,686	282,058	n.a.	n.a.
Packaged yarn, total.....	220,693	172,594	221,696	97,342	61,083
By denier:					
50 (62 and less).....	16,651	17,637	16,978		
75 (63 to 87).....	69,727	60,354	70,191		
120 (88 to 137).....	54,205	42,676	53,845		
150 (138 to 162).....	64,849	41,553	65,226		
200 and coarser (163 and up).....	15,261	10,374	15,456	n.a.	n.a.
Staple.....	59,106	26,840	60,256		
Tow.....	8	4	8		
Other.....	149	248	98		
Viscose and cuprammonium.....	711,431	386,109	716,051	n.a.	n.a.
Packaged yarn, total.....	525,073	329,288	525,237	231,283	121,265
By denier:					
50 (62 and less).....	4,945	6,978	4,961		
75 (63 to 87).....	32,027	31,096	32,082		
125 (88 to 137).....	71,462	59,117	71,454		
150 (138 to 162).....	119,733	79,574	120,112		
300 (163 to 374).....	41,985	23,471	42,015		
450 (375 to 524).....	4,590	2,543	4,616		
900 (525 to 999).....	10,157	5,160	10,174	n.a.	n.a.
1100 (1000 to 1374).....	116,482	59,530	115,867		
1650 (1375 and up).....	123,692	61,819	123,916		
Staple.....	161,898	51,419	162,653		
Tow.....	4,702	1,720	5,616		
Other, including waste.....	19,758	3,682	22,545		

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Produced for sale	
		Quantity	Value f.o.b. plant	Quantity	Value
Explosives			\$119,648		\$63,734
Industrial explosives, total.....			88,687		
Black blasting powder, pellet.....	Pound.....	27,534,300	2,297	26,670,405	1,605
Black blasting powder, granular.....	do.....	10,523,425	821	29,440,225	1,789
High explosives, including permissibles.....			¹³ 83,286	¹⁴ 333,764,233	¹⁴ 33,761
Nitroglycerine:					
For sale as such.....	Pound.....	842,657	288	347,328	69
Receipts for contract work in shooting wells ¹⁵			1,995		2,064
Other industrial explosives and propellants ¹⁶	Pound.....	15,804,400	5,268	n.a.	¹⁷ 12,495
Other explosives, except industrial.....			631		
Blasting accessories, total.....			25,062		
Fuse, safety and detonating.....	Foot.....	527,189,710	4,467	n.a.	2,501
Detonators:					
Blasting caps, electric, delay.....	Number.....	27,602,760	3,768	n.a.	n.a.
Blasting caps, electric, except delay.....	do.....	147,713,462	14,055	n.a.	9,470
Blasting caps, except electric.....	do.....	96,737,806	1,259	n.a.	n.a.
Other blasting accessories, including squibs and ignitors.....			1,513		¹⁸ n.a.

n.a.—Not available.

¹ Excludes data for establishments which produce plastics materials all of which is consumed in the manufacture of other products.² For additional detail, see Byproduct Coke Ovens Industry.³ Includes interplant transfers.⁴ For additional detail, see Petroleum Refining Industry.⁵ Production information published by the United States Bureau of Internal Revenue.⁶ Includes \$4,928,000 worth of phthalic alkyd resins and \$31,301,000 worth of miscellaneous plastics and synthetic resins, including synthetic rubber, which could not be distributed according to the 1947 commodity classification.⁷ Includes fillers, plasticizers, colors, additives, and extenders.⁸ Includes in order of value, cellulose acetate and mixed ester molding materials, ethyl and methyl cellulose plastics, and miscellaneous cellulose plastics materials, not elsewhere classified. Excludes varnish lacquer and dope materials as well as transparent wrapping materials.⁹ Excludes coating resins and transparent wrapping materials.¹⁰ Includes in order of value, urea and melamine molding materials, urea and melamine laminating resins, and other urea and melamine specialty resins.¹¹ Includes acrylics, polyamides, polystyrene, except molding material, and miscellaneous synthetic resins, not classified above.¹² Includes quantities for rayon horsehair, straw, and strips which total less than one percent of the above figures, as well as transparent wrapping material, which in the 1947 census is classified in the Plastics Materials Industry.¹³ According to the United States Bureau of Mines, 122,348,000 pounds of "permissibles" and 476,016,000 pounds of "high explosives, except permissibles" were sold for consumption in 1947.¹⁴ Includes 257,326,065 pounds of dynamite valued at \$26,027,000 and 76,438,168 pounds of permissible explosives valued at \$7,734,000.¹⁵ Includes value of nitroglycerine used for this purpose. (See text.)¹⁶ Includes liquid oxygen, fuse powder, smokeless and black gun powder.¹⁷ The 1939 value includes fuse powder, gun powder, and other explosives.¹⁸ Miners squibs were classified with railroad torpedoes, in the Fireworks Industry, in the 1939 census.

DRUGS AND MEDICINES

[Money figures in thousands of dollars]

PRODUCT	1947			1939		
	Value of shipments and interplant transfers (f.o.b. plant)			Value of production for sale and interplant transfers (f.o.b. plant)		
	Total	For veterinary use	For human use	Total	For veterinary use	For human use
Biological products, total	\$56,397			\$21,774		
Antibacterial serums and antisera.....	12,698	\$12,352	\$346	9,638	\$7,833	\$1,805
Antitoxins and antitoxic serums.....	2,544	441	2,103	1,665	95	1,570
Allergenic extracts.....	2,038	19	2,019	n.a.	n.a.	n.a.
Bacterial toxins, modified toxins and venoms.....	1,751	382	1,369	n.a.	n.a.	n.a.
Bacterial vaccines, antigens and mixed vaccines.....	10,173	3,428	6,745	2,201	1,293	908
Diagnostic agents, biological.....	1,690	457	1,233	n.a.	n.a.	n.a.
Normal serums, normal blood derivatives, and naturally produced antibodies.....	7,093	1,949	5,144	n.a.	n.a.	n.a.
Viruses, vaccines, and tissue product derivatives, except endocrine and multiglandular.....	9,596	5,284	4,312	5,096	2,529	2,567
Miscellaneous biological products.....	5,837			3,174	591	2,583
Culture media.....	654			n.a.		
Other bacteriological materials, n.e.c.....	1,306			n.a.		
Biological products, not specified by kind.....	1,017			n.a.		

PRODUCT	1947 ¹ Total ship- ments and interplant transfers (value f.o.b. plant)	PRODUCT	1947 ¹ Total ship- ments and interplant transfers (value f.o.b. plant)
Botanical drugs, uncompounded, total.....	\$12,378	Preparations of botanical drugs (plants, plant parts, and exudates):.....	
Inorganic and organic medicinal chemicals, total	197,813	Parenteral preparations.....	2,672
Drugs of animal origin, uncompounded.....	18,917	Tablets, pills, capsules, lozenges, and other dosage forms.....	13,405
Dried glands and other animal organs and tissue and ex- tractions thereof.....	9,701	Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	20,729
Endocrine.....	5,337	Other forms of preparations of botanical drugs, includ- ing solid, powdered or pillular extracts, prepared resins, spices, and teas.....	3,155
Thyroid.....	1,430	Endocrine and other preparations of animal origin (exclude biological products):.....	
Pituitary.....	252	Parenteral preparations.....	33,109
Ovaries.....	281	Other forms of preparations of animal origin.....	29,249
Other.....	3,374	Penicillin in preparations:.....	
Liver and stomach.....	3,755	Parenteral preparations.....	44,154
Other.....	609	Tablets, pills, capsules, lozenges, and other dosage forms.....	24,047
Sex hormones, natural and synthetic.....	5,505	Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	4,877
Bile and derivatives.....	1,070	Other forms of penicillin preparations.....	3,434
Drugs of animal origin, uncompounded, n.e.c.....	2,641	Other antibiotic preparations (streptomycin, tyrothricin, gramacidin, etc.).....	5,318
Other inorganic and organic medicinal chemicals.....	178,492	Sulfonamides in preparations without other active agents: Parenteral preparations.....	465
Botanical derivatives, uncompounded including antibiotics.....	26,871	Tablets, pills, capsules, lozenges, and other dosage forms.....	12,784
Alkaloids and salts.....	13,090	Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	4,495
Caffeine and theobromine and salts.....	3,186	Other forms of sulfonamides in preparations (without other active agents).....	660
Other alkaloids and salts (including mixtures).....	9,904	Sulfonamides in preparations containing other active agents: Parenteral preparations, tablets, pills, capsules, loz- enges, and other dosage forms.....	5,640
Neutral principles.....	291	Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	2,498
Other, including antibiotics.....	13,490	Other forms of sulfonamides in preparations (contain- ing other active agents).....	1,658
Naturally occurring vitamins, in bulk.....	5,118	Vitamin preparations:.....	
Inorganic medicinal chemicals, in bulk, uncompounded ²	1,694	Parenteral preparations.....	14,241
Organic medicinal chemicals, natural and synthetic, in bulk not included above.....	144,809	Tablets, pills, capsules, lozenges, and other dosage forms.....	83,024
Other inorganic and organic medicinal chemicals, not specified by kind.....	404	Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	32,693
Pharmaceutical preparations, total	880,763	Other forms of vitamin preparations.....	3,161
Ethical preparations for human use (product advertised or other- wise promoted to or prescribed by the medical profession).....	520,740	All other preparations not classified above: Parenteral preparations.....	23,077
Acetylsalicylic acid preparations, with or without other active agents:.....		Other forms of preparations not classified above.....	106,030
Tablets, pills, capsules, lozenges, and other dosage forms (solid).....	11,539	Ethical preparations for human use, not specified by kind.....	4,063
Other forms of acetylsalicylic acid preparations (liquid).....	233	Ethical preparations for veterinary use.....	5,690
Organic arsenicals and bismuth preparations:.....		For poultry.....	534
Parenteral preparations.....	2,660	For livestock, except poultry.....	4,405
Tablets, pills, capsules, lozenges, and other dosage forms.....	454	For pets and small animals.....	751
Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	678		
Other forms of organic arsenical and bismuth prepara- tions.....	130		
Barbiturates in preparations without other active agents: Parenteral preparations.....	1,971		
Tablets, pills, capsules, lozenges, and other dosage forms.....	7,528		
Elixirs, cordials, emulsions, syrups, gels, liquors, and other solutions or suspensions.....	2,509		
Barbiturates in preparations containing other active agents: Parenteral preparations, tablets, pills, capsules, loz- enges, and other dosage forms.....	10,074		
Other forms of barbiturates in preparations (containing other active agents).....	4,326		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947 ¹ Total ship- ments and interplant transfers (value f.o.b. plant)	PRODUCT	1947 ¹ Total ship- ments and interplant transfers (value f.o.b. plant)
Proprietary preparations for human use (products advertised or otherwise promoted to the general public)	317,597	Mouth washes (including gargles and rinses)	13,657
Internal analgesics:		Antacids (excluding analgesics, laxatives, milk of magnesia):	
Aspirin (acetylsalicylic acid)	19,003	Tablets, pills, gums, lozenges	5,196
Aspirin compounds, including effervescent and non-effervescent types	28,973	Powders	2,045
External analgesics (counter irritants):		Liquids	654
Ointments, jellies, pastes, creams, cerates, salves	10,603	External antiseptics, fungicides and germicides:	
Liquids (excluding rubbing alcohol, but including liniments)	9,345	Iodine	390
Rubbing alcohol	4,640	Ointments, jellies, pastes, creams, cerates, salves	11,550
Medicated plasters	554	Powders	3,126
Other external analgesics	2,769	Liquids	5,668
Milk of magnesia:		Tonics and alteratives:	
Liquid	8,830	Tablets, pills, lozenges, (excluding yeast tablets)	4,675
Tablets	2,544	Yeast tablets	757
Laxatives, cathartics, and purgatives (excluding milk of magnesia):		Liquids	9,178
Tablets, pills, gums, lozenges	14,557	Vitamin preparations:	
Mineral oils and emulsions	6,512	Tablets	9,226
Other liquids	5,592	Capsules	15,829
Saline preparations	7,171	Concentrated liquids	25,051
Bulk type	2,990	Other vitamin preparations	3,738
Glycerine suppositories	1,332	Other preparations, not classified above:	
All other laxatives, cathartics, and purgatives	2,355	Liquids	10,067
Cough and cold products (excluding analgesics):		Tablets, capsules, powders	16,764
Cough drops, lozenges, gums, pastilles ²	5,480	Ointments	3,382
Cough syrups, elixirs, expectorants	8,724	Proprietary preparations for human use, not specified by kind	7,032
Salves and ointments	9,830	Proprietary preparations for veterinary use	24,679
Cold tablets	4,797	For poultry	12,654
Nose drops and inhalants (except inhaler tubes)	4,340	For livestock, except poultry	8,864
All other cough and cold products, including inhaler tubes	8,671	For pets and small animals	2,420
		Proprietary preparations for veterinary use, not specified by kind	741
		Pharmaceutical preparations, not specified by kind	12,057

n.a.—Not available.

¹ Comparable commodity data for 1939 are limited to the following: Botanical drugs, uncompounded, \$6,889,000; ethical preparations for human use, \$148,543,000; proprietary preparations for human use, \$152,424,000; and proprietary preparations for veterinary use, \$8,978,000.² For additional data, see Inorganic chemicals, not elsewhere classified, industry (2819).³ Does not include \$3,528,000 of sugar-type cough drops shipped by the Confectionery products industry (2071).

SOAP, GLYCERIN; CLEANING, POLISHING, AND RELATED PRODUCTS

[All figures in thousands]

PRODUCT	Unit of measure	1947		1939		
		Total shipments and interplant transfers		Production	Produced for sale	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value
Soap and glycerin, total			\$960,471			\$292,157
Soap, except specialty soap			806,030			
Bars:						
Toilet.....	Pounds.....	555,451	187,824	565,617	409,116	66,209
Laundry and household:						
White.....	do.....	407,694	87,418	406,561	660,663	29,883
Yellow.....	do.....	356,281	43,524	358,329	578,785	27,670
Other, (including industrial).....	do.....	27,209	4,569	28,105		
Chips and flakes:						
Packaged.....	do.....	230,720	67,224	227,961	234,266	24,988
Bulk.....	do.....	195,934	39,576	195,106	134,313	9,484
Granulated, powdered and sprayed:						
Packaged.....	do.....	1,391,116	279,994	1,412,458	} 892,655	} 75,432
Bulk.....	do.....	131,679	21,449	133,989		
Washing powder:						
Packaged.....	do.....	80,478	5,909	84,839	131,756	5,304
Bulk.....	do.....	103,859	6,258	106,318	110,366	3,179
Cleansers, containing abrasives:						
Packaged.....	do.....	265,723	22,422	267,087	} n.a.	} n.a.
Bulk.....	do.....	77,109	6,253	77,185		
Liquid, excluding shampoos (potash and other):						
Packaged.....	Gallons.....	2,221	2,180	2,247	} 5,348	} 3,629
Bulk.....	do.....	14,247	10,447	14,454		
Paste and jelly (potash and other):						
Packaged.....	Pounds.....	12,043	1,680	12,931		
Bulk.....	do.....	31,825	4,557	33,015		
Other soaps (including soap stock).....			14,746			18,475
Specialty soaps			32,452			
Mechanics hand soaps and pastes.....	Pounds.....	50,445	6,384		17,914	935
Medical and medicated.....	do.....	5,630	3,144		n.a.	n.a.
Other specialty soaps.....			8,997			
Shaving cream lather:						
Tube.....	do.....		8,340	9,049	} 7,941	} 6,157
Jar.....	do.....		182	265		
Shaving soap.....	do.....		5,405	6,348	5,605	2,395
Soap products not specified by kind.....			33,413			
Glycerin (100 percent basis)			88,576			18,417
Crude.....	Pounds.....	40,997	16,222	206,186	229,266	2,323
High gravity, dynamite, and yellow distilled.....	do.....	81,588	34,211	86,943	64,294	6,595
Chemically pure.....	do.....	92,220	38,143	103,900	90,382	9,499
Cleaning and polishing preparations, total			\$350,651			
Synthetic organic detergents			134,768			
Not in combination with soap or other detergents:						
Liquid:						
Packaged.....	Gallons.....	870	1,017	853		
Bulk.....	do.....	3,703	2,864	3,783		
Solid:						
Packaged.....	Pounds.....	242,759	87,543	243,734		
Bulk.....	do.....	9,196	1,634	14,849		
In combination with soap:						
Liquid:						
Packaged.....	Gallons.....	397	770	397		
Bulk.....	do.....	1,021	1,285	1,040		
Solid, packaged and bulk.....	Pounds.....	17,296	1,139	17,304		
In combination with alkaline detergents:						
Liquid:						
Packaged.....	Gallons.....	84	106	82		
Bulk.....	do.....	1,122	1,199	1,138		
Solid:						
Packaged.....	Pounds.....	22,169	3,806	23,548		
Bulk.....	do.....	58,753	6,026	58,992		
Bulk surface active agents, except sulfonated oils and fats (synthetic organic chemicals).....			27,379			
Alkaline detergents			36,488			
Liquid:						
Packaged.....			403			
Bulk.....			403			
Solid:						
Packaged.....	Pounds.....	94,789	9,923	96,030		
Bulk.....	do.....	295,089	25,759	297,090		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947		1939		
		Total shipments and interplant transfers		Production	Produced for sale	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value
Specialty detergents			\$43,697			
Glass window cleaning liquids	Pounds	5,243	3,493			
Oil and dust absorbents, including sweeping compounds	do	75,351	1,742			
Toilet bowl cleaners	do	47,745	6,821			
Wall paper, window shade and paint cleaner	do	106,050	16,398			
Drain pipe solvents	do	16,900	3,017	17,684		
Dry cleaning spotting preparations	Gallons	6,452	6,958	6,755	2,345	
Paint and varnish removers, including brush cleaners:					\$2,725	
Powder	Pounds	2,195	616	2,297		
Liquid	Gallons	3,714	4,652	3,765	n.a.	
					1,825	
Polishing preparations and related products			110,147		47,816	
Automotive body polish	Pounds	22,949	7,526	23,654	n.a.	
Furniture polish	do	26,177	7,258	23,753		
Floor polish:						
Water emulsion	Gallons	20,404	36,057	20,742	n.a.	
Liquid (other than water emulsion)	do	1,871	3,311	1,977		
Paste	Pounds	18,255	6,324	18,364	n.a.	
Other	do	3,458	1,321	2,393		
Metal polish (except stove polish)	do	17,156	3,829	17,367	n.a.	
Shoe polishes and cleaners:						
White:						
Liquid	Gallons	1,553	3,549	1,819		
Paste	Pounds	2,364	1,478	2,247	n.a.	
Other than white:						
Liquid	Gallons	2,309	6,341	2,263		
Paste	Pounds	8,583	5,064	8,658	n.a.	
Leather dressings and finishes (except shoe polish):						
Leather blackings and stains	do	6,254	2,129	6,252		
Other leather dressings and finishes	do	36,998	9,721	36,408		
Dressings, (except leather)	do	2,314	933	2,617		
Other polishing preparations and related products not elsewhere classified			15,306		n.a.	
Cleaning and polishing preparations, not specified by kind			25,551		12,568	
Sulfonated oils and assistants, total			52,279		22,101	
Sulfonated oils and fats	Pounds	84,604	16,991		67,565	
Softeners, soluble oils and greases	do	82,035	16,007		83,610	
Other assistants ¹			17,459		7,500	
Sulfonated oils and assistants, not specified by kind			1,822		9,067	
					n.a.	

n.a.—Not available.

¹ For 1939, includes soap stock made for sale as such; bar cleansers containing soap; textile soap; potash soap, other than textile and hand; and soap not reported according to 1939 classification.² Crude, 80 percent basis.³ Data for 1947 include figures for egg yolk, wetting agents, waterproofing emulsions, mordants other than tannic acid and an undetermined quantity of sizes, soaps and synthetic detergents. The 1939 data include figures for soaps and other detergents, mordants other than tannic acid and excludes figures for egg yolk and sizes.

PAINTS, VARNISHES, PIGMENTS, AND ALLIED PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		Total production (quantity)	1939	
		Total shipments and interplant transfers			Produced for sale	
		Quantity	Value f.o.b. plant		Quantity	Value
Paints and varnishes, total			\$1,204,540			1 \$112,983
Oil and water paints and stains, total			570,336			1 195,651
Oil paints in paste form:						
White lead in oil	M lbs	71,896	14,388	73,325	129,348	10,630
Other paste whites	M gals	1,970	5,181	2,025	2,619	5,835
Colors in oil	do	1,207	5,112	1,239	2 1,941	2 4,814
Other oil paste paints	do	1,260	3,560	1,312	1,201	3,853
Oil paints and alkyd vehicle type paints, semipaste:						
Interior	do	2,250	5,195	2,301		
Exterior	do	4,566	13,689	4,607		
Oil paints and alkyd vehicle paints, ready mixed:					69,895	111,760
Interior	do	39,500	93,044	40,252		
Exterior	do	64,253	198,953	64,868		
Mill whites	do	3,839	9,582	3,915		
Bituminous paints (excluding roof coatings)	do	18,002	8,072	18,068	3,659	1,479
Undercoatings and primers	do	24,522	54,135	24,872	11,832	15,281
Water-thinned paints:						
Resin emulsion—						
Interior	do	16,807	30,238	16,912		
Exterior	do	255	640	275		
Cold water paints			9,600			8,003
Calcimines			1,146			
Plastic texture			2,822			928
Barn and roof paint (excluding bituminous roof coatings)	M gals	5,340	9,799	5,165		
Marine paints:						
Shipbottom paints	do	2,404	5,421	2,387		
Other marine paints	do	7,597	18,401	7,855	18,255	24,916
Metallic (zinc dust, aluminum, etc.)	do	6,421	17,634	6,573		
Other paints, n.e.c. ⁴	do	19,354	44,876	19,601		
Oil and water paints and stains, not specified by kind	do		2,615			
Stains:						
Varnish	do	2,325	5,986	2,371	2,236	3,584
Oil	do	1,877	3,027	1,894		
Shingle	do	2,825	4,385	2,901	4,219	4,568
Other (spirit, etc.)	do	1,823	2,835	1,834		
Varnishes, lacquers, enamels, japans, thinners, and dopes, total			566,160			1 214,167
Varnishes:						
Spirit varnishes, except shellac	M gals	1,639	2,552	1,682	7,788	8,415
Natural resin varnish, except shellac	do	11,759	21,348	12,521	14,113	14,046
Synthetic resin base varnish	do	42,112	75,019	51,813	23,826	29,750
Drying japans and driers	do	3,406	4,734	3,990	2,784	2,291
Baking japans	do	2,178	2,085	2,305	1,940	1,541
Shellac varnish	do	5,273	14,976	5,328	n.a.	n.a.
Other varnishes, including mixtures	do	18,981	36,436	24,971	12,653	12,461
Lacquers:						
Clear lacquers:						
Cellulose nitrate—						
Resin	do	18,922	37,203	18,995		
Nonresin	do	3,715	5,583	3,672	13,750	17,478
Cellulose lacquers, except cellulose nitrate:						
Resin	do	1,733	3,613	1,776	n.a.	n.a.
Nonresin	do	534	1,124	529	n.a.	n.a.
Noncellulose lacquers, resin	do	2,801	4,632	2,850	n.a.	n.a.
Pigmented lacquers:						
Cellulose nitrate—						
Resin	do	13,397	36,427	13,542		
Nonresin	do	5,583	21,037	5,584	12,569	27,749
Cellulose lacquers, except cellulose nitrate:						
Resin	do	1,164	2,946	1,181	n.a.	n.a.
Nonresin	do	56	138	56	n.a.	n.a.
Noncellulose lacquers, resin	do	2,828	4,405	2,846	n.a.	n.a.
Dopes:						
Cellulose nitrate	do	2,859	4,381	2,871	3,094	3,338
Other dopes	do	435	375	438	n.a.	n.a.
Thinners for dopes and lacquers	do	38,816	37,251	38,958	22,410	14,225
Enamels:						
Interior	do	59,484	168,665	60,137		
Exterior	do	29,688	80,264	30,217	40,250	75,958
Varnishes, lacquers, enamels, japans, thinners, and dopes, not specified by kind			966			6,915
Other primary products of the paints and varnishes industry, total			43,397			n.a.
Bleached shellac	M lbs	12,596	8,100	13,010	16,289	3,165
Other primary products of the industry, n.e.c. ⁵			35,297			n.a.
Paints, varnishes, lacquers, japans, and enamels, not specified by kind			24,647			n.a.
Whiting and wood fillers, total			29,007			6,231
Wood and textile preservatives (nonpressure type)	M gals	2,071	2,723	2,095	n.a.	n.a.
Fillers (includes sealers)			6,057			1,655
Wood and metal sash putties	M lbs	177,131	10,640	177,463		
Caulking compounds	do	42,994	7,668	43,345	103,232	3,811
Whiting ⁶	do	123,192	871	123,040	110,716	765
Other whiting, putty, wood fillers, and allied paint products, n.e.c.	do	800	93	800	n.a.	n.a.
Whiting, putty, wood fillers, and allied paint products, not specified by kind			286			n.a.
Miscellaneous whiting, putty, wood fillers, and allied paint products			669			n.a.

See footnotes at end of table.

PRODUCT	1947						1939			
	Shipments and interplant transfers						Total production (quantity) (tons)	Produced for sale and interplant transfer		Total production (quantity) (tons)
	Total		Interplant transfers		All other shipments			Quantity (tons)	Value f.o.b. plant	
	Quantity (tons)	Value f.o.b. plant	Quantity (tons)	Value f.o.b. plant	Quantity (tons)	Value f.o.b. plant				
Pigments for coloring, extending, and compounding, total		\$279,757						\$98,831		
White opaque pigments:										
White lead, except white lead in oil (basic carbonate and sulphate).....	51,440	14,698	20,512	\$5,364	30,928	\$9,334	73,843	59,785	6,757	n.a.
Zinc oxide pigments:										
Lead-free zinc oxide.....	161,251	30,040	660	124	160,591	29,916	159,493	150,947	14,432	n.a.
Leaded zinc oxide.....	94,760	21,182	12,979	2,638	81,781	18,544	96,729			
Titanium dioxide (100% TiO ₂).....	204,737	69,742	21,304	7,164	183,433	62,578	219,647	57,676	14,906	n.a.
Lithopone.....	155,997	15,794	39,641	3,876	116,356	11,918	155,354	144,042	12,527	159,224
Other white opaque pigments (including antimony oxide, zinc sulfide, etc.).....		6,881								n.a.
White extender pigments:										
Barium carbonate precipitated.....	28,062	1,900	119	9	27,943	1,891	37,970	n.a.	n.a.	n.a.
Blanc fixe (barium sulphate, precipitated).....	27,485	1,560	101	8	27,384	1,552	26,935	6,141	322	n.a.
Other white extender pigments (including barytes, satin white, etc.).....	129,844	2,650	4,832	98	125,012	2,552	128,882		2,368	
Color pigments (except lakes and toners):										
Chrome colors:										
Chrome green (chrome yellow and iron blue) C.P.....	7,957	5,209	1,882	1,151	6,075	4,058	8,537	4,172	1,852	5,015
Chromium oxide green C.P.....	4,600	2,761			4,600	2,761	4,707	n.a.	n.a.	n.a.
Chrome yellows C.P.....	17,770	9,089	2,476	1,295	15,294	7,804	19,334	17,434	5,199	19,466
Chrome oranges C.P.....	3,671	1,867	953	480	2,718	1,387	3,901			
Molybdate chrome orange C.P.....	2,163	1,611	67	46	2,066	1,565	2,238			
Zinc yellow (zinc chromate) C.P.....	3,535	1,315	381	140	3,154	1,175	3,476	n.a.	n.a.	n.a.
Iron oxide pigments.....	91,368	11,562	1,676	252	89,692	11,310	88,992	50,975	3,276	n.a.
Lead oxide pigments:										
Red lead.....	29,650	9,883	1,606	550	28,044	9,333	31,569	52,440	6,688	n.a.
Litharge.....	151,930	47,605	11,493	3,279	140,437	44,326	176,583	82,227	9,231	98,397
Iron blues (Prussian blue, milori blue, etc.).....	4,950	4,040	483	393	4,467	3,647	5,638	3,510	2,444	3,731
All other color pigments (except organic lakes and toners).....		20,358							18,829	

n.a.—Not available.

1 Revised.

2 1939 data include colors in Japan.

3 Includes quantities unspecified as to whether "exterior" or "interior."

4 Includes traffic paints and excludes bituminous roof coatings. For later products, see "Roofing felts and coatings" industry (2952).

5 Includes unspecified amounts of vinyl coatings, synthetic baking resins, pigment dispersions, heated oils, etc.

6 Excludes precipitated calcium carbonate. Data for this chemical included in Inorganic chemicals, n.e.c. (2819).

7 Includes barytes only.

GUM AND WOOD CHEMICALS; FERTILIZERS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947					1939	
		Total shipments and interplant transfers		Production			Produced for sale	
		Quantity	Value f.o.b. plant	Total for all purposes (quantity)	Consumed in producing plants (quantity)	For all other purposes (quantity)	Quantity	Value f.o.b. plant
Hardwood distillation, total			\$13,415					\$6,594
Acetic acid, natural, basis 100% ¹	Pound.....	26,607,852	2,259	37,076,902	11,721,195	25,355,707	48,688,277	2,298
Methanol:								
Crude, basis 100%.....	Gallon.....	156,577	75	2,734,323	2,574,597	159,726	² 835,799	178
Refined, basis 100%.....	do.....	2,552,574	1,853	2,597,538	42,411	2,555,127	2,958,644	797
Charcoal ³	Pound.....	373,362,654	8,487	375,166,840	11,640,470	363,526,370	⁴ 459,567,612	2,735
Other derivatives of hardwood distillation.....			741					586
Softwood distillation, total			60,833					13,729
Wood turpentine: ⁵								
Destructively distilled.....	Gallon.....	181,743	140	213,069		213,069	⁶ 8,249,370	1,774
Steam and solvent distilled ⁷	do.....	8,372,361	6,357	9,511,595		9,511,595		n.a.
Pine oil:								
Destructively distilled.....	Pound.....	33,784,114	3,348	39,318,391	3,067,537	36,250,854	29,112,698	2,563
Wood rosin ⁸	520 lb. drums.....	936,572	35,356	1,163,676	191,551	972,125	⁹ 821,939	7,068
Pine tar and pine tar oil.....	Gallon.....	5,376,485	1,723	5,496,900		5,496,900	5,685,915	908
Charcoal ³	Pound.....	50,838,217	644	47,751,560		47,751,560	¹⁰ 41,991,734	255
Other derivatives of softwood distillation.....			13,197					¹¹ 1,160
Products of softwood distillation, not specified by kind.....			68					
Natural tanning and dyeing materials, total			19,370					9,628
Natural tanning materials:								
Extracts:								
Chestnut, liquid and solid.....	M tan. units. ¹²	61,502	9,336	59,731		59,731	83,430	4,700
Quebracho liquid and solid.....	do.....	13,148	2,160	14,097	805	13,292	24,080	1,817
Other extracts (including blends, liquid and solid) ¹³	do.....	14,662	3,066	19,964	4,774	15,190	n.a.	1,383
Chrome tanning mixture (100 Cr ₂ O ₃ basis).....	Pound.....	11,198,464	3,602	n.a.	n.a.	n.a.	n.a.	n.a.
Natural dyestuffs extracts (including logwood, etc.) (solid basis).....	do.....	5,129,736	1,206	5,139,310	559,447	4,579,863	n.a.	1,723
Gum naval stores, total ¹⁴			37,916					16,820
Gum turpentine ¹⁵	50 gal. bb's.....	251,043	8,582	253,362			400,535	4,084
Gum rosin ¹⁶	520 lb. drums.....	680,596	28,939	696,329			1,247,605	12,736
Other products of gum distillation (rosin oil, pinene, etc.).....			395					

PRODUCT	1947					1939		
	Total shipments and interplant transfers		Total production (tons)	Production			Produced for sale	
	Quantity (tons)	Value f.o.b. plant		Plant food content (in tons)			Quantity (tons)	Value f.o.b. plant
				Nitrogen (N)	Available phosphoric acid (P ₂ O ₅)	Potash (K ₂ O)		
Mixtures, total		\$377,523						\$123,202
Complete mixtures (grades guaranteeing N, P ₂ O ₅ , and K ₂ O).....	10,469,668	344,301	10,722,934	418,323	1,097,134	693,401	5,088,468	117,666
Incomplete mixtures:								
Grades guaranteeing N and P ₂ O ₅ only.....	316,401	14,591	405,811	44,308	70,276		39,712	711
Grades guaranteeing P ₂ O ₅ and K ₂ O only.....	485,944	13,001	453,047		63,121	47,334	233,359	4,825
Grades guaranteeing N and K ₂ O only.....	60,406	2,860	60,260	6,104		5,754	n.a.	n.a.
Grades guaranteeing either N, P ₂ O ₅ , or K ₂ O only.....		2,770					n.a.	n.a.
Fertilizer materials of organic origin.....	127,748	2,430					360,146	¹⁸ 6,661
Fertilizers, not specified by kind.....		1,082						

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Basis A. P. A.	1947						1939					
		Shipments and interplant transfers						Production		Produced for sale		Total production (tons)	
		Total		Interplant transfers		All other shipments		Total (tons)	Consumed in same establish- ment (tons)	Quantity (tons)	Value f.o.b. plant		
		Quantity (tons)	Value f.o.b. plant	Quantity (tons)	Value f.o.b. plant	Quantity (tons)	Value f.o.b. plant						
Superphosphates, total			\$85,506								\$23,937		
Normal, less than 24% A.P.A.	18%	4,727,024	71,399	634,397	\$9,548	4,092,127	\$61,851	9,029,080	3,787,718	} 2,757,340	23,937	} 4,152,642	
Concentrated, 24% A.P.A. and over 18%	45%	343,223	13,086	33,858	1,078	309,365	12,008	365,556	10,009		n.a.		n.a.
Wet base goods, 18% A.P.A.	18%	48,684	1,021	3,847	81	44,837	940	80,451	27,226				

n.a.—Not available.

¹ Includes glacial acetic acid. Does not include data for dilute acid consumed in the production of glacial acid.

² In addition, in 1939 there were 3,021,463 gallons made and consumed in the same establishments.

³ The 1947 data include a small amount of kiln and pit charcoal. The 1939 data does not include kiln and pit charcoal reported separately as 555,731 bushels (approximately 11,000,000 pounds) valued at \$123,237.

⁴ Converted at 21 pounds per bushel.

⁵ Does not include production of sulfate wood turpentine reported to the Department of Agriculture as 6,864,350 gallons, refined basis, for the calendar year 1947, and 2,831,550 gallons for the crop year 1939-1940.

⁶ Quantities for which values reported. According to the U. S. Department of Agriculture, the total production for the crop year 1939-40 of destructively distilled was 339,550 gallons, and of steam and solvent distilled, 7,928,750 gallons.

⁷ Does not include pinene reported as such.

⁸ Does not include sulfate wood rosin.

⁹ Quantities for which values reported. According to the U. S. Department of Agriculture, the total production for the crop year 1939-40 was 912,793 barrels.

¹⁰ Converted at 17 pounds per bushel.

¹¹ Includes tar, tar oils, pitch, and wood creosote.

¹² A tan unit is equal to one pound of ground bark.

¹³ Data for 1947 include small amount of ground bark.

¹⁴ For 1947 the data do not include gum turpentine and rosin produced in fire stills. This production was reported to the Bureau of Agricultural Economics, Department of Agriculture, as follows: turpentine, 39,821 barrels; rosin, 106,171 drums; it excludes reclaimed gum rosin, 6,709 drums of which were reported to the Bureau of Agricultural Economics. The 1939 data include quantities for fire stills which are estimated at 85 percent of the total in that year.

¹⁵ The 1947 data include an estimated market value totaling less than 3 percent for turpentine and rosin distilled for others (roll-stilling). The 1939 data excludes 6,600 barrels (50 gallons) of gum turpentine and 21,526 drums (520 pounds) of gum rosin distilled for others, the receipts for which totaled \$78,166.

¹⁶ Includes mixed fertilizer grades guaranteeing N and K₂O only.

¹⁷ Quantities for 1939 are on 16% available phosphoric acid (A. P. A.) basis. In addition 76,753 tons of concentrated superphosphate, basis 47% A. P. A. were produced by the Tennessee Valley Authority during the calendar year 1939. The total production of concentrated superphosphate in 1939 on a 47% A. P. A. basis was reported to the U. S. Department of Agriculture as 272,750 tons. Including production by the Tennessee Valley Authority, total production of superphosphates on a 16% A. P. A. basis was as follows: 1947—11,276,348 tons; 1939—4,378,104 tons.

VEGETABLE AND ANIMAL OILS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939		
		Total shipments and interplant transfers		Production	Produced for sale	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value
Cottonseed oil mill products, total			\$513,285			
Cottonseed oil, crude	M lbs.	1,024,411	240,479	1,080,084	1,409,414	n.a.
Cottonseed oil, refined	do	269,598	72,484	² 1,059,403		¹ \$86,601
Cottonseed cake and meal	Ton	1,636,856	128,327	1,592,350	2,023,341	47,194
Linters	M lbs.	643,748	55,846	680,078	1,689,029	12,267
Hulls	Ton	800,863	13,629	827,677	1,161,079	7,123
Other cottonseed oil mill products			2,520			
Linseed oil mill products, total			169,173			65,615
Linseed oil, crude	M lbs.	426,234	137,900	412,435	564,508	47,866
Linseed cake and meal	Ton	403,231	31,273	392,087	550,920	17,749
Soybean oil mill products, total			700,773			n.a.
Soybean oil, crude	M lbs.	1,454,683	316,299	1,523,457	457,550	25,028
Soybean oil, refined	do	231,073	57,667	³ 1,335,234		
Soybean cake and meal	Ton	3,963,694	305,496	4,178,264	1,128,570	28,388
Other soybean oil mill products and products, not specified by kind			21,311		n.a.	n.a.
Products of vegetable oil mills, not elsewhere classified, total			399,956			n.a.
Peanut products:						
Peanut oil, crude	M lbs.	118,187	33,407	136,220		
Peanut oil, refined	do	51,574	16,914	136,070		
Peanut cake and meal	Ton	112,413	8,043	116,081		
Coconut products:						
Coconut oil, crude	M lbs.	776,861	124,870	774,983		
Coconut oil, refined	do	72,429	18,348	359,861		
Coconut cake and meal	Ton	211,691	12,960	213,720		
Castor bean oil:						
Castor oil, No. 1 crude	M lbs.	60,453	17,782	89,688		
Castor oil, No. 3 crude	do	20,015	5,676	26,056	n.a.	n.a.
Dehydrated castor oil	do	29,835	10,316	30,408		
Babassu oil, crude	do	10,343	1,631	15,068		
Tung oil	do	12,880	3,922	13,732		
Other crude vegetable oils	do	28,482	7,515	29,217		
Other refined vegetable oils	do	62,343	14,736	92,820		
Other vegetable cake and meal	Ton		5,833			
Hydrogenated vegetable oil	M lbs.	413,401	115,276	⁴ 1,382,205		
Other products			2,727			
Marine animal oil mill products, total ⁵			41,672			n.a.
Fish and marine oil			25,732			
Cake and meal			15,805		n.a.	n.a.
Other fish and marine products			135			
Grease, tallow, and feed and fertilizer byproducts, total			543,618			n.a.
Grease and tallow, total			373,664			64,889
Grease	M lbs.	636,042	118,239	621,293	501,588	20,601
Tallow, edible	do	65,319	19,488	107,680	80,007	4,261
Tallow, inedible	do	1,265,748	234,867	1,211,584	790,675	40,027
Not specified by kind			1,070			
Feed and fertilizer byproducts, total			167,255			n.a.
Meat scraps:						
For feed ⁶	Ton	640,848	63,111			n.a.
Use unknown ⁶	do	76,809	7,031			n.a.
Bone meal:						
For feed ⁶	Ton	97,033	6,676			
For fertilizer ⁶	do	27,198	1,578		62,000	1,761
Use unknown ⁶	do	16,800	1,100			
Other feed and fertilizer byproducts, including wet and dry tannage ⁶			80,084			n.a.
Not specified by kind			7,675			
Grease, tallow, and feed and fertilizer byproducts, not specified by kind			2,699			
Fatty acids			76,329			n.a.
Red oil or oleic acid	M lbs.	58,901	14,130	70,405		
Stearic acid	do	58,424	18,013	60,227		
Other fatty acids	do	168,983	41,532	272,893	n.a.	n.a.
Fatty acids, not specified by kind	do	804	129	1,253		
Other products	do		2,525			
Animal oils, n.e.c.			60,297			n.a.
Animal oils and animal stearin			39,096		n.a.	n.a.
Foots, animal, vegetable and fish, and acidulated soap stock			21,201		n.a.	n.a.

n.a.—Not available.

¹ Season ended July 31.

² Includes 903,315,000 lbs. produced by establishments classified in the Shortening and Cooking Oils (2092) and Oleomargarine (2093) Industries; the same establishments consumed 763,740,000 lbs.

³ Includes 1,229,361,000 lbs. produced by establishments classified in other industries, principally Shortening and Cooking Oils (2092) and Oleomargarine (2093); the same establishments consumed 1,083,948,000 lbs.

⁴ Includes 903,286,000 lbs. produced and consumed by establishments classified in the Shortening and Cooking Oils (2092) and Oleomargarine (2093) Industries.

⁵ Figures are somewhat understated, due to the omission of a number of establishments from the census canvass. According to the Fish and Wildlife Service, U. S. Department of the Interior, fish and marine oil production in 1947 was valued at \$31,751,000; cake, meal, and scrap produced was valued at \$22,380,000.

⁶ Purchases and receipts including interplant transfers of materials for further processing (see text) were reported for 1947 as follows: meat scraps for feed, 100,425 tons (\$8,537,000); for use unknown, 2,615 tons (\$262,000); bone meal for feed, 9,298 tons (\$577,000); for fertilizer, 4,171 tons (\$88,000); for use unknown, 372 tons (\$25,000); other, \$11,753,000.

MISCELLANEOUS CHEMICAL PRODUCTS

[All figures in thousands]

PRODUCT	1947		PRODUCT	1947	1939
	Total shipments and interplant transfers			Total shipments and interplant transfers (value f.o.b. plant)	Produced for sale (value f.o.b. plant)
	Quantity	Value f.o.b. plant			
Printing inks, total	(Pounds)	\$109,402	Perfumes, cosmetics, and other toilet preparations—Continued		
Letterpress inks:			Dentifrices, total.....	\$79,426	\$30,341
News.....	164,580	10,519	Tooth paste.....	67,085	n.a.
Book and magazine.....	57,708	26,073	Tooth powder.....	7,954	n.a.
Container and label.....	25,709	15,429	Liquid tooth cleansers.....	583	n.a.
Other.....		18,109	Denture cleaners.....	2,198	n.a.
Lithographic and offset inks.....	20,246	18,557	Other dentifrices.....	1,606	n.a.
Gravure inks.....	60,300	10,294	Other cosmetics and toilet preparations, n.e.c., total	189,989	91,348
Other printing inks, including silk screen and stencil inks.....		8,043	Creams (except shaving, hair, and deodorants):		
Printing inks, not specified by kind.....		2,378	Cleansing creams.....	11,081	
Salt.....	(Tons)	46,570	Foundation creams.....	4,109	19,389
	(Pounds)		Lubricating creams.....	6,637	
Essential oils, total		27,314	Other creams.....	10,420	
Lemon.....	790	2,407	Cosmetic oils:		
Orange.....	1,234	1,747	Suntan oils.....	566	n.a.
Other essential oils.....		22,381	Other cosmetic oils.....	2,954	n.a.
Essential oils, not specified by kind.....		779	Lotions:		
			Hand lotions.....	13,904	
			Other lotions (except hair and after shaving).....	7,661	7,636
			Lip preparations.....	15,673	6,086
			Rouges (except lip).....	4,041	2,257
			Mascara and eye shadow.....	2,270	n.a.
			Deodorants (personal):		
			Liquid.....	1,082	
			Cream.....	11,465	5,631
			Powder.....	436	
			Depilatories (personal).....	1,118	428
			Manicuring preparations:		
			Nail lacquers and enamels.....	5,107	
			Nail lacquer and enamel removers.....	1,572	4,652
			Cuticle softeners.....	452	
			Other manicuring preparations.....	83	
			Powders:		
			Talcum and toilet powders.....	21,370	7,327
			Face powders.....	13,665	15,398
			Liquid and compact for wet application.....	3,846	n.a.
			Other powders (cream, sachet, and paste).....	4,734	3,424
			Shaving preparations:		
			Brushless shaving cream: ¹		
			Tube.....	7,048	4,187
			Jar.....	2,924	
			Styptics.....	23	n.a.
			After shaving lotions.....	12,297	n.a.
			Other shaving preparations.....	988	n.a.
			Bath salts and bath oils.....	3,492	71,177
			Bubble bath.....	1,128	n.a.
			Foot powders.....	628	n.a.
			Other cosmetics and toiletries.....	10,315	13,756
			Perfumes, cosmetics, and other toilet preparations, not specified by kind.....	13,011	n.a.

PRODUCT	Unit of measure	1947			1939	
		Total shipments and interplant transfers		Production (quantity)	Produced for sale	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Carbon, bone and lamp blacks, total			\$75,646		\$14,927	
Carbon black ¹	Pound	1,324,293	71,049	1,308,671	12,857	
Bone black.....	do	26,980	3,731	27,666	1,389	
Lamp black.....	do	7,640	866	7,719	681	
Glue and gelatin, total			100,463		34,444	
Gelatin, total.....			37,161		10,558	
Edible.....	Pound	31,857	25,637	32,586	7,300	
Photographic.....	do	7,362	7,431	7,837		
Pharmaceutical.....	do	3,244	2,857	3,148		
Technical (inedible).....	do	2,163	1,056	2,295	6,771	
Other gelatin.....	do	644	180	644	3,258	
Glue, total.....			59,519			
Animal glue:						
Hide.....	Pound	67,386	18,467	68,854	8,129	
Extracted bone.....	do	18,114	4,638	18,084		
Green bone.....	do	69,128	15,244	66,118	63,984	
Vegetable glue.....	do	55,844	4,706	56,886	37,108	
Flexible glue.....	do	22,316	4,453	22,779	178,474	
Casein glue.....	do	4,267	1,167	4,479	n.a.	
Other glues, including liquid and fish glue.....	do		10,844		10,239	
Other glue and gelatin products, and products not specified by kind.....			3,783		n.a.	

See footnotes at end of table.

PRODUCT	Unit of measure	1947			1939	
		Total shipments and interplant transfers		Production (quantity)	Produced for sale	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Chemical products, n.e.c., total			\$462,131			n.a.
Chemical specialties, total			406,511			n.a.
Adhesives and cements, total ¹⁰			59,184			\$8,161
Collodion type adhesives	Pound	3,302	1,986	3,335		
Dextrine adhesives	do	76,543	9,314	78,274		
Fish glue adhesives	do	287	101	289		
Casein adhesives	do	26,481	4,515	27,616	n.a.	n.a.
Synthetic resin adhesives	do	35,275	6,074	35,212		
Furnace cement	do	12,457	730	12,077		
Gum arabic pastes	do	254	69	258		
Mucilage	do		1,090		4,106	393
Plastic wood preparations	do	2,672	1,290	2,552	n.a.	n.a.
Starch pastes	do	63,116	5,323	61,030	69,170	3,003
Other adhesives and cements			28,692			114,765
Automotive chemicals:						
Hydraulic brake fluid ¹²	Gallon	7,753	11,044	7,516	n.a.	n.a.
Shock absorber liquid ¹²	do	505	289	489	n.a.	n.a.
Other automotive chemicals, not specified by kind			30,065		n.a.	n.a.
Bluing	Pound	5,945	649	6,217	n.a.	n.a.
Chemical catalysts			7,916			n.a.
Concrete curing materials	Pound	19,940	1,703	20,035	n.a.	n.a.
Concrete floor hardening compounds	do		1,945	23,723	n.a.	n.a.
Corrosion inhibitors (rust preventives, additives, etc.) ¹²	do	75,316	10,252	74,013	n.a.	n.a.
Cutting oils and compounds (sulfurized, soluble oils, drawing compounds, etc.) ¹²	Gallon	6,086	3,133	6,087	n.a.	n.a.
Deodorants, nonpersonal	do	1,172	3,243	1,167	n.a.	1,273
Disinfectants, total			15,985			7,461
Coal tar	Gallon	1,209	1,736	1,229	n.a.	n.a.
Cresylic	do	1,141	4,408	1,140	n.a.	n.a.
Pine oil	do	1,679	2,455	1,718	n.a.	n.a.
Chlorine	do	8,607	3,399	8,608	n.a.	n.a.
Quaternary ammonium			1,174		n.a.	n.a.
Other			2,803			
Etching compounds			515			n.a.
Fire-resistant compounds	Pound	2,555	350	2,575	n.a.	n.a.
Fluxes:						
Welding and brazing			1,049		n.a.	n.a.
Soldering			831		n.a.	n.a.
Foundry supplies, chemical			18,962			n.a.
Household ammonia	Gallon	2,243	1,222	2,303	n.a.	922
Household tints and dyes	Pound	5,846	5,791	5,878	n.a.	2,713
Incense			605			n.a.
Insulation products (heat, electrical, other) ¹³			3,377			n.a.
Laundry soaps			1,161			n.a.
Metal treating compounds (nitriding, pickling)	Pound	84,156	10,329	84,416	n.a.	8,487
Oil treating compounds ¹⁴			18,793			n.a.
Sizes: ¹⁵						
Dextrine sizes	Pound	6,635	1,319	6,835	30,011	2,004
Rosin and other sizes	do	295,952	16 24,673	295,839	17 223,446	17 7,756
Stamp pad ink			2,421			18 688
Water treating compounds:						
Boiler compounds	Pound	164,864	16,750	164,785	n.a.	3,863
Other water softening compounds	do	64,293	9,306	67,658	n.a.	4,846
Water proofing compounds (electrical, leather, masonry, textile)	do	34,503	4,217	35,039	n.a.	1,841
Writing ink (including indelible, drawing and marking):						
Fluid	Gallon	1,458	5,679	1,430	n.a.	3,989
Refill ink cartridges for ball point pens			3,252			n.a.
Vitreous enamel (frit)	Pound	195,010	17,988	207,598	n.a.	7,784
Other chemical specialties, n.e.c.			112,513			42,184
Household insecticides and repellents (including other pest control agents), total			27,653			18,144
Insecticides and repellents (excluding fly sprays):						
Roach preparations	Pound	1,175	518	1,131	n.a.	n.a.
Ant poisons	do	291	335	314	n.a.	n.a.
Termite preparations	do	913	150	919	n.a.	n.a.
Moth control agents, total			6,428		13,897	2,152
Liquid			1,783			
Solid:						
Naphthalene type	Pound	5,567	1,117	5,575		
Paradichlorobenzene type	do	11,826	3,528	11,772		
Other household insecticides			974			n.a.
Other pest control agents:						
Aerosols (net weight)	Pound	4,321	7,123	4,190	n.a.	n.a.
Fly sprays, total			7,284		52,471	19 7,837
Livestock sprays with DDT:						
Oil base	Gallon	35	737	36	n.a.	n.a.
Water base	do	137	42	137	n.a.	n.a.
Livestock sprays without DDT	do	415	415		n.a.	n.a.
Household sprays with DDT:						
Oil base	do	3,012	3,942	2,818	n.a.	n.a.
Water base	do	24	32	25	n.a.	n.a.
Household sprays without DDT:						
Oil base	do	839	2,062	864	n.a.	n.a.
Water base	do	70	54	72	n.a.	n.a.
Animal dips ²⁰	do	259	186	262	n.a.	n.a.
Rodent poisons			1,652		n.a.	n.a.
Fumigants (household industrial and soil)	Pound	1,338	352	1,340	n.a.	n.a.
Household insecticides and repellents, not specified by kind			2,651			6,480

See footnotes at end of table.

PRODUCT	Unit of measure	1947			1939	
		Total shipments and interplant transfers		Production (quantity)	Produced for sale	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Chemical products, n.e.c.—Continued						
Weed killers (preparations), total			\$7,924			
Arsenical			1,364			
Sodium chlorate			1,087			
2,4-D (2,4-dichlorophenoxyacetic)			3,667			
Other weed killers (hydrocarbon weed killers, etc.)			1,587			
Weed killers, not specified by kind			219			
Chemical products, not specified by kind			20,043			
Insecticides and fungicides for agricultural use, total			77,904			
Arsenical preparations:						
Lead arsenate ²¹	Pound	12,080	2,085	12,402	59,569	\$5,422
Calcium arsenate ²²	do	22,145	1,900	24,929	39,282	1,912
Other arsenical insecticides and fungicides (including Paris green)	do	13,742	1,334	18,489	²³ 2,040	²³ 460
Sulfur containing preparations:						
Wettable sulfur and sulfur dust	do	158,120	3,256	158,041	²⁴ 36,708	²⁴ 999
Lime sulfur (solution and dry)			1,641			²⁵ 925
Other sulfur containing insecticides and fungicides			3,113			
Copper containing dry preparations			3,609		n.a.	n.a.
Zinc containing preparations	Pound	6,225	711	7,447	n.a.	n.a.
Fluorine containing preparations:						
Sodium aluminum fluoride dusts and mixtures			767		²⁶ 1,263	²⁶ 422
Other fluorine containing insecticides and fungicides			99		n.a.	n.a.
Nicotine containing preparations (including dusts, excluding nicotine sulfate)	Pound	7,235	1,700	7,366	n.a.	n.a.
Nitrated phenols and cresols (except weed killers)	do	1,086	531	894	n.a.	n.a.
Rotenone containing insecticides and fungicides:						
Dusts	do	19,494	4,141	10,762	²⁷ 3,245	²⁷ 567
Sprays (except fly sprays)	Gallon	535	450	522		
Pyrethrin containing insecticides and fungicides:						
Dusts	Pound	2,274	443	2,334	²⁸ 3,908	²⁸ 1,223
Sprays (except fly sprays)	Gallon	236	923	247		
Benzene hexachloride preparations without DDT	Pound	13,301	3,319	12,523	n.a.	n.a.
DDT containing preparations (except aerosols and fly sprays):						
Containing DDT as the active ingredient	do	86,875	16,141	89,652	n.a.	n.a.
Preparations of DDT and other toxicants	do	18,767	3,096	19,881	n.a.	n.a.
Petroleum oil sprays (excluding fly sprays and aerosols):						
Oil sprays and emulsions without other toxicants	Gallon	10,849	5,488	11,357	n.a.	n.a.
Oil sprays containing other toxicants	do	1,175	515	1,279	n.a.	n.a.
Other insecticides and fungicides for agricultural use (including nicotine sulfate and organic fungicides)						
Insecticides and fungicides, not specified by kind			16,584			²⁹ 9,814
			6,058			

See footnotes at end of table.

PRODUCT	Unit of measure	1947				1939	
		Total shipments and interplant transfers		Production		Produced for sale	
		Quantity	Value f.o.b. plant	Total for all purposes	Consumed in same establishments	Quantity	Value f.o.b. plant
Compressed and liquefied gases, total			\$109,848				³⁰ \$58,385
Elemental gases, total			48,095				
Argon			1,427				
Hydrogen	Cu. ft.	1,768,162	2,601	21,185,138	19,281,524	1,124,168	1,549
Nitrogen	do.	515,303	1,836	507,425		n.a.	n.a.
Oxygen	do.	13,877,989	41,522	14,428,949	585,614	4,561,968	24,015
Electrolytic	do.	398,101	1,613	549,676	114,381	109,759	n.a.
Liquefaction	do.	13,479,898	39,909	13,879,273	471,233	4,452,209	n.a.
Other elemental gases including neon			709				
Acetylene	Cu. ft.	1,973,093	38,581	1,977,852		1,291,205	16,607
Carbon dioxide, total			20,372				
Liquid and gas	Pound	237,984	7,617	803,112	567,913	105,683	4,684
Solid (dry ice)	do.	703,816	12,755	720,401	393	356,894	5,532
Other compressed and liquefied gases, total			2,653				
Nitrous oxide	Gallon	175,305	1,517	180,335		95,577	859
Compound gases, n.e.c.			1,136				
Gases, not specified by kind			147				n.a.

n.a.—Not available.

¹ In 1939 the quantity of printing and lithographing inks (finished) produced for sale totaled 248 million pounds valued at \$43.6 million.

² Excludes "Home wave" sets.

³ Face lotions including data for considerable amount of hand lotions.

⁴ Talcum powders.

⁵ Other toilet powders.

⁶ Shaving cream containing no soap. Shaving cream with soap base is classified in the Soap and Glycerin Industry (2841). The value of shipments of shaving cream with soap base was \$8,522,000 in 1947 and the value of production for sale in 1939 was \$6,157,000.

⁷ Bath salts only.

⁸ For 1947, the United States Bureau of Mines reported that 1,318,965,000 pounds of carbon black were produced; 653,966,000 pounds by contact processes and 664,999,000 pounds by furnace processes. The corresponding 1939 figures are 464,588,000 pounds by the channel process and 60,578,000 pounds by "other than channel" process specified as "Lewis, roller 'Special' and thermatomic."

⁹ Includes flexible and fish glue, and glue products not specified by kind.

¹⁰ Does not include data for rubber cement, of which 17,653,000 gallons valued at \$20,982,000 were shipped in 1947. See "Rubber products." Asbestos cement is classified in the Asbestos Products Industry.

¹¹ Includes muclage and paste for which quantities were not reported.

¹² Does not include products shipped by establishments classified in the Petroleum Refining Industry.

¹³ Excludes insulation products made in the Rubber and Plastics Products Industries.

¹⁴ See also corrosion inhibitors which includes additives.

¹⁵ Primers are reported separately. See Paint and Allied Product Industries.

¹⁶ Sizes other than rosin account for less than 50 percent of the value indicated.

¹⁷ Comprises 12,682,193 pounds of "gum sizes other than rosin" valued at \$901,000 and 210,763,370 pounds of "other sizes including rosin" valued at \$6,955,000.

¹⁸ Classified as "stamping inks" which include stamping machine ink but does not include mimeograph or multigraph inks.

¹⁹ Does not include insect powder (pyrethrum) of which 3,987,631 pounds valued at \$1,223,000 were produced for sale.

²⁰ See also "Disinfectants."

²¹ The 1947 data do not include shipments of 9,365 tons of lead arsenate (acid and basic) valued at \$3,527,000. The 1939 figure includes data for this basic chemical.

²² The 1947 data do not include shipments of 11,044 tons of calcium arsenate valued at \$1,925,000. The 1939 figure includes data for this basic chemical.

²³ Paris green, only.

²⁴ Classified as "sulfur dust including mixtures."

²⁵ Solution only; 9,491,068 gallons reported.

²⁶ Fluoride powders and mixtures only.

²⁷ Includes grinding and extracting of rotenone.

²⁸ Classified as "insect powder (pyrethrum)." Includes grinding and extracting.

²⁹ Includes nicotine sulfate and dry lime sulfur.

³⁰ Includes \$5,130,000 of gases which could not be distributed according to the 1947 classification. This total is the sum of \$944,000 worth of "hydrocarbon gases other than acetylene" and \$4,195,000 worth of "other gases."

Chapter X—PETROLEUM AND COAL PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947				1939	
		Receipts ¹ (quantity)	Shipments and interplant transfers		Net shipments ² (quantity)	Production	
			Quantity	Value f.o.b. plant (excluding tax)		Quantity	Value f.o.b. plant (including tax)
Petroleum products, total				\$6, 745, 717		\$2, 497, 235	
Gasoline, total.....	M bbls.....	54, 296	845, 621	3, 136, 709	791, 325	580, 805	1, 424, 436
Aviation gasoline.....	do.....	3, 271	29, 967	143, 904	26, 696	9, 420	36, 269
Automotive gasoline.....	do.....	35, 898	790, 825	2, 907, 212	754, 927	571, 385	1, 388, 167
Other finished gasolines (including finished base stocks and blending agents) ³	do.....	15, 127	24, 829	85, 533	9, 702		
Naphtha solvents ⁴	do.....	1, 872	18, 120	71, 524	16, 248	9, 352	23, 112
Kerosene (including range oil) ⁵	do.....	6, 317	114, 450	342, 997	108, 133	64, 526	112, 065
Distillate fuel oil, total ⁶	do.....	24, 670	341, 907	918, 291	317, 237	n.a.	n.a.
Grade No. 1 (including P. S. 100) ⁷	do.....	1, 852	47, 050	140, 865	45, 198		
Grades No. 2, 3, and 4 (including P. S. 200).....	do.....	17, 958	218, 867	572, 837	200, 909	⁸ 68, 255	⁸ 107, 649
Diesel-type fuel oil (light).....	do.....	3, 693	58, 013	156, 152	54, 320		
Other distillate fuel oils (including light gas-enrichment oil).....	do.....	1, 167	17, 977	48, 437	16, 810	⁹ 94, 586	⁹ 130, 467
Residual fuel oil, total.....	do.....	42, 323	488, 069	899, 581	445, 746	n.a.	n.a.
Grade No. 5 (including Navy special and P. S. 300).....	do.....	1, 506	55, 464	115, 853	53, 958		
Grade No. 6 (including Bunker C and P. S. 400).....	do.....	36, 531	387, 862	698, 552	351, 331	¹⁰ 312, 944	¹⁰ 234, 093
Diesel-type fuel oil (heavy).....	do.....	609	7, 046	16, 163	6, 437	(⁹)	(⁹)
Other residual fuel oils (including heavy gas-enrichment oil).....	do.....	3, 677	37, 697	69, 013	34, 020	(⁹)	(⁹)
Lubricating oils, total ¹¹	do.....	n.a.	58, 230	664, 347	n.a.	n.a.	n.a.
Petroleum refining industry:							
Refiners of new oils.....	do.....	6, 776	50, 363	539, 295	43, 587	¹² 38, 258	¹² 237, 161
Re-refiners of used oils.....	do.....	30	682	6, 627	652	193	1, 250
Lubricants, n.e.c., industry.....	do.....	1, 798	6, 898	110, 909	5, 100	¹³ 2, 157	¹³ 25, 511
Other manufacturing industries.....	do.....	n.a.	287	7, 516	n.a.	n.a.	n.a.
Lubricating-oil base stocks (for blending, compounding, and grease manufacture), total ¹⁴	do.....	11, 971	12, 342	108, 621	371	(¹²)	(¹²)
Petroleum refining industry.....	do.....	5, 434	12, 264	107, 309	6, 830	(¹²)	(¹²)
Lubricants, n.e.c., industry.....	do.....	6, 537	78	1, 312	-6, 459		
Lubricating greases, total ¹⁵	M lbs.....	n.a.	1, 198, 254	93, 697	n.a.	n.a.	n.a.
Petroleum refining industry:							
Refiners of new oils.....	do.....	58, 267	684, 585	49, 245	626, 318	(¹⁶)	14, 451
Re-refiners of used oils.....	do.....	224	1, 978	191	1, 754	n.a.	n.a.
Lubricants, n.e.c., industry.....	do.....	20, 639	506, 204	43, 462	485, 565	285, 124	16, 275
Other manufacturing industries.....	do.....	n.a.	5, 487	799	n.a.	n.a.	n.a.
Asphalt, total.....				130, 344			37, 994
200 penetration and over ¹⁷	M bbls.....	963	24, 782	61, 646	23, 819	¹⁸ 14, 498	¹⁸ 17, 142
Less than 200 penetration ¹⁹	M tons.....	62	5, 464	68, 698	5, 402	2, 346	20, 852
Petroleum waxes, total.....	M lbs.....	73, 832	1, 233, 458	76, 005	1, 159, 626	(²⁰)	19, 485
Microcrystalline ²¹	do.....	1, 615	96, 216	10, 363	94, 601	n.a.	n.a.
Refined and semirefined crystalline.....	do.....	23, 728	690, 159	43, 158	666, 431	n.a.	n.a.
Crude-scale crystalline.....	do.....	48, 489	447, 083	22, 484	398, 594	n.a.	n.a.
Liquefied gases, total ²²	M bbls.....	7, 354	22, 496	110, 487	15, 142	3, 463	4, 942
For direct automotive use (not included under gasoline).....	do.....		162	410		n.a.	n.a.
Chemical raw material (including synthetic rubber components) ²³	do.....		9, 549	83, 007		n.a.	n.a.
Other liquefied gases.....	do.....		12, 785	27, 070		n.a.	n.a.
Other finished petroleum products, total.....				87, 069			69, 466
Still gas.....	Mil. cu. ft.....	4	26, 416	9, 245	26, 412	n.a.	(²⁴)
Road oil ²⁵	M bbls.....	85	9, 053	19, 131	8, 968	6, 020	8, 539
Petrolatum.....	M lbs.....	120, 618	455, 294	11, 944	334, 676	(²⁶)	2, 873
Petroleum coke.....	M tons.....		1, 619	12, 444	1, 619	1, 522	4, 987
Other finished petroleum products.....	M bbls.....	375	4, 571	34, 305	4, 196	n.a.	²⁴ 53, 067
Unfinished oils ²⁷	do.....	59, 533	44, 710	106, 045	-14, 823	31, 714	38, 878

See footnotes at end of table.

PETROLEUM AND COAL PRODUCTS

91

PRODUCT	Unit of measure	1947		1939		
		Shipments and interplant transfers		Production	Production ²³	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant
Coke-oven products, total			\$1,039,980			\$345,031
Coke, screenings, and breeze, total	M tons	76,175	796,304	79,146	47,733	220,217
Coke (except screenings and breeze)	do	72,014	782,147	73,141	44,327	212,884
From beehive ovens	do	6,712	69,697	6,690	1,445	6,426
From byproduct ovens	do	65,302	712,450	66,451	42,882	206,458
Screenings and breeze	do	4,161	14,157	6,005	3,406	7,333
From beehive ovens	do	88	224	93	52	62
From byproduct ovens	do	4,073	13,933	5,912	3,354	7,271
Coke-oven gas	Mil. cu. ft.	564,689	115,059	976,363	675,143	²⁹ 71,876
Other coke-oven products, total			128,617			52,938
Ammonia (sulfate and liquor) ³⁰			29,729			14,635
Crude tar	M gals.	548,798	40,985	736,014	554,406	³¹ 16,587
Tar derivatives			15,756			³¹ 3,219
Crude light oil	M gals.	30,296	2,884	253,902	170,963	³² 728
Light oil derivatives	do	210,498	34,275	211,003	139,805	³³ 16,303
Naphthalene	M lbs.	104,730	3,184	104,694	48,460	³⁴ 728
Pyridine (crude and refined)			809			
Other coke-oven products ³⁵			1,035			735

PRODUCT	Unit of measure	1947		1939	
		Shipments and interplant transfers		Production	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Paving mixtures and blocks, total ³⁶			\$56,276		³⁶ \$32,754
Liquid asphalt and tar paving materials, total	M bbls.	3,744	15,612	n.a.	n.a.
Emulsified asphalt	do	2,106	7,841	n.a.	n.a.
Other liquid asphalt and tar paving materials	do	1,638	7,771	n.a.	n.a.
Asphalt and tar paving mixtures and blocks			40,664		n.a.
Roofing felts and coatings, total			331,438		99,733
Asphalt roofing:					
Smooth-surfaced roll roofing (including sanded, talc, mica, and other fine-material surfacing)	M sales sq.	22,482	31,817	17,395	15,171
Mineral-surfaced roll roofing	do	16,357	31,781	9,646	13,144
Strip shingles	do	28,569	120,665	10,210	33,547
Individual shingles	do	4,053	14,346	1,701	5,427
Asphalt sidings:					
Roll form	do	3,903	10,200	n.a.	2,450
Shingle form	do	413	1,100	n.a.	
Insulated brick siding	do	3,686	32,014	n.a.	3,939
Saturated felts:					
Asphalt	Tons	354,291	25,333	327,018	10,334
Tar	do	103,579	6,795	67,498	2,412
Roof coatings, cements, and pitches:					
Solid asphalt roof cement	do	182,405	4,403	148,526	2,362
Coal-tar roofing pitch	do	110,328	2,894	77,719	1,552
Fibrous and nonfibrous roof coatings			21,593		4,612
Other asphalt and tar roofing and siding products:					
Asphalt-saturated woven fabrics (except floor coverings)	M sq. ft.	42,994	1,165	n.a.	506
Asphalt board products	do	86,086	2,540	n.a.	
Asphalt- and tar-saturated coatings and sheathings	Tons	37,619	3,496	n.a.	4,277
Other asphalt and tar roofing and siding products			21,296		

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947			1939 ³⁷	
		Production			Production	
		Total for all purposes		Produced and used at plant for power or heat (quantity)	Quantity	Value f.o.b. plant
		Quantity	Value f.o.b. plant			
Fuel briquets and packaged fuel, total			\$32,838			
Fuel briquets	M tons	3,184	30,047	23	892	\$7,669
Packaged fuel	do.	179	2,791	1	216	5,802
						1,867

PRODUCT	1947	1939
	Shipments (value f.o.b. plant)	Production (value f.o.b. plant)
Products of petroleum and coal, n.e.c. (principally calcined petroleum coke and petroleum waxes)	\$14,924	n.a.

n.a.—Not available.

¹ Reporting companies were requested to classify items in the same manner as billed by the shipper, regardless of how the refinery (or blending and compounding establishment) would otherwise classify them.

² Represents the difference between the quantities shipped and the "Receipts."

³ Includes alkylate, polymers (dimer, codimer, etc.), hydrolymers (hydrodimer, hydrocodimer, etc.), cumene, isopentane, isohexane, neohexane, isoheptane, iso-octane, motor benzol (benzene), and other blending agents derived from petroleum; excludes natural gasoline.

⁴ Includes petroleum ether, rubber solvent, mineral spirits (petroleum spirits), Varnish Makers' and Painters' naphtha, high-solveny naphtha, benzol diluent, lacquer diluent, cleaners' naphtha, Stoddard solvent, extraction solvents, and other petroleum distillates shipped as solvents.

⁵ Includes signal oil, mineral seal oil, mineral colza oil, longtime burning oil, 300° oil, mineral coach oil, and insecticide base.

⁶ Includes 36,000 barrels valued at \$74,000, recovered by re-refiners of used oils (crankcase drainings).

⁷ Includes jet-propulsion fuel.

⁸ Represents "Distillates" except gas oils and Diesel oils.

⁹ Figures for residual oils of these types are included with figures for distillate oils. The figures shown for distillate oils represent "Gas oils, including Diesel oils."

¹⁰ Represents "Residual fuel oils" except gas oils and Diesel oils.

¹¹ Includes oils for lubricating purposes and such nonlubricating purposes as transformer oil, hydraulic oil, processing oil, quenching oil, and liquid rust preventives.

¹² Lubricating-oil base stocks are probably included with "Lubricating oils."

¹³ Value figure for "Lubricating oils" includes "Lubricants (kind and quantity not reported)" valued at \$666,000. The quantity figure for "Lubricating oils" excludes such rubricants and also other lubricating oils valued at \$486,000 for which no quantity was reported.

¹⁴ Includes light, medium neutral, heavy neutral, and residual stocks.

¹⁵ Includes greases for aviation, automotive, industrial, and railroad uses; launching grease; and cutting, drawing, and grinding compounds and paste. Also includes paste rust-preventive compounds and thread compounds.

¹⁶ Reported as 61,885,000 gallons.

¹⁷ Includes flux for paving, roofing, waterproofing, mastic, and other purposes; cut-back asphalt; emulsified asphalt made in petroleum refineries; asphalt paints, japans, enamels, and lacquers; and other liquid asphaltic products except road oil and fuel oil used for heating purposes.

¹⁸ Represents "Liquid asphaltic road oils."

¹⁹ Includes asphalt for paving, roofing, waterproofing, mineral rubber, briquetting, mastic, pipe coating, molding composition, and other heavy asphalt products.

²⁰ Reported as 90,649,000 gallons.

²¹ Represents amorphous paraffin of melting point not under 145° F.

²² Includes propane, butane, propane-butane mixtures, pentane, and other liquefied refinery gases. Receipts exclude liquefied petroleum gases from natural-gasoline plants; these are shown in table 6-B under "Materials consumed."

²³ Includes propene, butene, propadiene, and butadiene sold as chemical raw materials.

²⁴ "Other finished petroleum products" includes still gas, "Residuum or tar," "Acid oil," and "Other refinery products."

²⁵ Represents residual asphaltic oil used for surface treatment of roads and highways.

²⁶ Reported as 18,875,000 gallons.

²⁷ Includes such products as cracking stock, unfinished gasoline requiring further distillation, naphtha stocks, slops, wax distillate, and other unfinished petroleum oils. Excludes lubricating-oil base stocks, natural gasoline, and cycle condensates. Although respondents were requested to report receipts in the same manner as billed by the shipper, the figures indicate that items billed as other oils by the shipper were sometimes reported as receipts of "Unfinished oils" for the refinery receiving these oils.

²⁸ Source: Bureau of Mines, U. S. Department of the Interior.

²⁹ Represents value of 433,711 million cubic feet sold.

³⁰ Includes ammonium sulfate from purchased anhydrous ammonia.

³¹ Represents value of 344,534,000 gallons of crude tar sold; excludes value of crude tar transferred to other plants of the reporting companies for consumption.

³² Represents value of 9,384,000 gallons of crude light oil sold.

³³ Represents value of 133,435,000 gallons of light oil derivatives sold.

³⁴ Represents value of 46,551,000 pounds of naphthalene sold.

³⁵ Includes ammonium thiocyanate, sodium phenolate, sodium prussiate, sodium cyanide, sodium carbolate, sulfur, picoline, cyanogen, phenol, and dichloropentadiene.

³⁶ Represents value of products of the "Paving mixtures and blocks" industry in 1939.

³⁷ Source: Bureau of Mines, U. S. Department of the Interior. Excludes charcoal briquets.

Chapter XI—RUBBER PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939		
		Total shipments and interplant transfers		Total production	Produced for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant
Tires and inner tubes, total	Number		\$1,463,358			\$503,448
Pneumatic tires (casings), total	do.	108,803,532	1,306,693	111,686,368	63,994,029	1,444,325
Passenger car	do.	75,786,696	670,039	77,891,023	49,522,341	272,522
Truck and bus (including off-the-road)	do.	17,172,006	536,708	17,621,976	8,217,981	156,973
Motorcycle	do.	203,453	1,365	199,988		
Bicycle casings and single tube tires	do.	9,417,139	9,456	9,528,598	6,223,302	4,602
Airplane	do.	154,703	5,367	153,165	30,405	545
Tractor and implement	do.	4,832,673	78,598	5,006,196	n.a.	n.a.
Industrial	do.	1,236,962	5,160	1,285,424	n.a.	n.a.
Inner tubes, total	do.	96,475,906	150,001	97,596,708	55,682,655	1,55,938
Passenger car	do.	65,877,087	90,608	66,513,525		
Truck and bus (including off-the-road)	do.	14,065,791	41,776	14,573,206	51,251,112	52,963
Motorcycle and bicycle	do.	11,351,279	5,761	11,090,939	4,404,351	1,632
Airplane	do.	94,189	467	92,468	27,192	105
Tractor and implement	do.	3,894,376	10,179	4,074,880	n.a.	n.a.
Industrial	do.	1,193,184	1,210	1,251,690	n.a.	n.a.
Solid tires, total	do.	2,572,476	6,663	2,720,755		3,185
Pressed on industrial highway	do.	280,889	3,525	285,321	n.a.	n.a.
Cured on industrial (2.00-inch or larger)	do.	849,692	2,003	853,253	n.a.	n.a.
All other solids (2.00-inch or larger)	do.	943,932	533	955,025	n.a.	n.a.
Semipneumatic (2.00-inch or larger)	do.	497,963	602	627,156	n.a.	n.a.
Rubber footwear, total	Pairs		159,190			43,112
Canvas footwear	do.	22,920,846	38,481	23,602,181	28,177,454	15,048
Bals	do.	14,172,840	24,176	14,262,866	n.a.	n.a.
Oxfords	do.	6,413,902	9,885	6,364,643	n.a.	n.a.
Specialty shoes	do.	2,334,104	4,420	2,974,672	n.a.	n.a.
Boots	do.	5,444,165	10,933	5,625,331	2,919,489	5,082
Lumberman and pacs	do.	1,792,313	6,953	1,850,614	1,124,387	1,988
Arctics and gaiters	do.	31,249,080	72,780	31,284,053	15,899,031	13,050
Buckle and automatic, except style	do.	10,360,170	27,336	10,437,981	3,770,347	5,150
Style rubber and cloth	do.	20,888,910	45,444	20,846,072	12,128,684	7,900
Light and heavy rubbers	do.	17,952,428	21,043	18,684,524	14,726,735	7,944
Reclaimed rubber, total	Pounds		36,040			16,962
Reclaimed rubber	do.	483,680,951	35,931	635,762,626	340,186,856	16,962
Crumb or ground rubber	do.	480,623,571	109	628,606,397	340,186,856	n.a.
	do.	3,057,380		7,156,229	n.a.	
Camelback and tire repair materials, total	Pounds		42,714			19,428
Camelback	do.	96,284,395	24,221	97,413,406	54,223,474	10,612
Tire sundries and repair materials	do.		18,493			8,816
Rubber heels and soles, total			72,175			31,335
Soling slabs and toplift sheets	Square feet	48,755,172	9,916	48,817,049	8,338,017	1,728
Heels	Pairs	317,622,891	31,028	320,355,316	265,665,741	14,494
Soles	do.	117,342,584	31,231	119,956,369	140,557,290	15,113
Mechanical rubber goods, total			621,703			177,067
Belts and belting:						
Conveyor and elevator	Pounds	56,152,171	37,195	56,649,334	18,583,416	7,792
Transmission:						
Flat	do.	29,459,672	26,132	30,019,087	15,734,803	7,304
V-belt:						
Motor vehicles	do.	21,546,974	21,083	23,125,699	11,006,447	5,304
Industrial and all other (including standard, notched, and segment)	do.	33,572,967	40,784	34,059,019	9,358,008	7,432
Other	do.	3,588	3,588			628
Hose:						
Railroad specification:						
Airbrake and air signal	Pounds	4,030,227	2,686	3,955,735	13,143,090	4,475
Other	do.		1,073			
Molded:	Pounds	79,940,284	19,056	83,072,666	45,533,630	6,471
Garden	do.		24,667			n.a.
Other	do.					n.a.
Wrapped:	Pounds	13,077,245	9,082	13,037,643	n.a.	n.a.
Handbuilt	do.		25,968			n.a.
Other	do.					n.a.
Cotton, rubber lined:						
Fire, specification	Pounds	6,848,046	6,271	6,361,973		
Fire, commercial grade	do.	3,502,052	3,159	3,412,899	12,628,955	5,460
Other	do.		3,103			
Gasoline	Pounds	8,703,002	6,269	8,797,800	7,886,508	4,434
Other	do.		14,068			17,329

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939		
		Total shipments and interplant transfers		Total Production	Produced for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant
Mechanical rubber goods—Continued						
Tubing (except reinforced)	Pounds	21,326,713	7,382	21,292,257	11,438,326	2,609
Packing (for sealing moving parts) (excluding molded and lathe-cut goods)	do.	17,663,995	12,451	17,740,341	⁸ 32,270,671	⁸ 10,092
Jar rings			2,892			2,067
Rubber and friction tape	Pounds	35,711,390	16,516	33,926,800	n.a.	4,359
Insulation products (heat, electrical, and others)	do.	4,190,572	1,839	4,159,337	8,071,700	1,623
Molded and extruded goods:						
Molded industrial goods (excluding sponge and hard rubber)	do.	112,859,888	70,953	105,836,340	⁹ 39,840,987	⁹ 10,385
Extruded industrial goods (except tubing)	do.	54,734,729	23,955	53,962,857	n.a.	n.a.
Solid and cushion tires and tiring (less than 2.00-inch including juvenile, toy, baby carriage, etc.)			6,909			n.a.
Rolls and platens, solid and covered:						
Printers rolls			3,081			1,229
Other rolls and platens			9,820			3,655
Other mechanical goods			83,710			32,154
Flooring (tile or sheet)	Square feet	46,602,790	14,314	47,508,116	9,993,345	2,920
Mats and matting			34,890			11,210
Hard rubber goods (except druggist sundries):						
Battery jars, boxes, and parts			25,030			11,683
Other hard rubber goods (except druggist sundries)			12,099			4,739
Sponge rubber:						
Latex foam:						
Automobile seating	Pounds	14,637,206	14,356	15,060,233		
Upholstery	do.	3,950,423	4,568	4,052,510		
Mattresses	Number	29,405	617	30,241	n.a.	11,133
Other			11,056			
Chemically blown sponge	Pounds	43,967,903	21,081	46,254,434		
Druggist and medical sundries, total			44,440			13,733
Water bottles, fountain syringes, and combinations	Dozen	593,797	4,893	630,256	684,022	3,031
Ice bags and caps	do.	102,594	702	108,972	n.a.	n.a.
Nipples and pacifiers	Gross	1,016,253	7,777	¹ 1,214,853	423,700	1,384
Other (including prophylactics, medical, dental, and surgical hard rubber)			17,295			7,037
Gloves:						
Household	Doz. pairs	604,297	1,963	632,731	892,038	1,181
Surgeons	do.	1,165,269	2,503	1,183,150	851,581	1,100
Baby pants ¹⁰	Dozen	2,828,709	9,307	¹¹ 2,831,605	n.a.	n.a.
Other rubber products, n. e. c., total			199,502			78,808
Factory rebuilt or retreaded tires	Number	257,025	1,955	259,045	1,236,392	4,701
Rubber and synthetic rubber-coated fabrics:						
Hospital and crib sheeting	Square yard	4,180,258	2,999		3,857,247	1,640
Automobile upholstery	do.	1,219,292	763			
Automobile decking	do.	4,795,687	3,347			
Furniture upholstery	do.	1,310,692	846		n.a.	¹² 20,015
Garment fabrics	do.	6,493,416	2,263			
Shoe and slipper fabrics	do.	17,783,013	8,889			
Other rubber and synthetic rubber-coated fabrics	do.	28,190,623	16,882			
Mouthpieces for pipes, and cigar and cigarette holders			705			454
Gloves:						
Electricians	Doz. pairs	17,300	633	17,625	12,899	299
Other (including dipped and rubberized work gloves)			4,012			936
Bathing caps	Dozen	879,674	3,243	¹³ 1,027,222	1,074,010	1,531
Aprons, bibs, dress shields, etc. ¹⁰			7,056			n.a.
Rubber thread (bare and covered) ¹³	Pounds	10,496,556	17,377	10,637,271	9,704,379	7,539
Rubber cement (for sale as such)	Gallons	17,649,571	20,982		17,218,330	¹⁴ 9,165
Balloons (toy and advertising)	Gross	7,382,491	9,865	7,501,541		2,126
Stationers' rubber bands	Pounds	3,948,541	3,058	3,993,217	5,229,431	1,852
Erasers (except pencil plugs)	do.	1,885,974	2,203	1,620,012	1,316,896	¹⁵ 1,026
Balls (except bowling balls)			10,854			¹⁶ 5,463
Toys (except balloons, balls, and dolls)			5,105			n.a.
Other rubber products (including gutta percha products, and unsupported film)			76,465			22,071
Rainwear and other waterproof outer garments ¹⁷			5,769			11,764
Rubber products, not specified by kind			5,804			

n.a.—Not available.

¹ Includes 997,225 pneumatic tires and casings valued at \$9,683,000, not classified by type.

² Includes 656,157 inner tubes valued at \$1,348,000, not classified by type.

³ Comprises 11,588,697 pairs of base shoes valued at \$4,640,000; 5,889,112 pairs of lace-to-toe trimmed shoes valued at \$3,661,000; 4,919,559 pairs of plain oxfords and bals valued at \$2,697,000; and 5,780,086 pairs of specialty oxfords and pumps valued at \$4,050,000.

⁴ Includes an unspecified amount of other rubber shoes.

⁵ Airbrake, airline, and other pneumatic.

⁶ Includes small quantities of plastic and plastic-coated products, which cannot be shown separately without disclosing the figures of individual companies.

⁷ Gasoline and oil.

⁸ These totals composed of 13,483,266 pounds valued at \$2,955,353 of rubber packing and 18,787,405 pounds valued at \$7,137,343 of washers, gaskets, valves, pump sleeves, and liner strips.

⁹ For motor vehicles.

¹⁰ Additional data are shown in Major Group 23, Apparel and Other Finished Products Made From Fabrics and Other Similar Materials.

¹¹ Includes 794,876 dozen plastic and plastic-coated baby pants.

¹² Includes 6,925,676 square yards of automobile and carriage fabric made for sale and valued at \$1,710,000; 12,216,969 square yards of raincoat fabrics, valued at \$2,126,000; and other fabrics, valued at \$16,178,000.

¹³ Covered thread included in these totals is limited to quantities produced by establishments classified in this industry; data for covered thread made from purchased bare thread are given in the Narrow Fabrics Mills Industry (2241).

¹⁴ Includes \$193,000 for which quantity was not reported.

¹⁵ Includes \$367,000 for which quantity was not reported.

¹⁶ Play balls and other rubber toys.

¹⁷ For additional detail see Raincoats and Other Waterproof Outer Garments, Industry (23-5).

Chapter XII—LEATHER AND LEATHER PRODUCTS

TANNING; SHOES; INDUSTRIAL LEATHER GOODS

[Money and quantity figures in thousands]

PRODUCT	1947						1939		
	Total shipments and interplant transfers			Production			Production		
	Finished leather		Value of rough, russet, and crust leather	Total	From own hides, skins, or rough leather	On contract	Total	From own hides, skins, or rough leather	On contract
	Quantity	Value							
(pounds)	(\$)	(\$)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	(pounds)	
Leather tanning and finishing, total		\$992, 446	\$12, 524						
Cattle hide and kip side leathers:									
Grains:									
Sole leather.....	381, 512	212, 693	1, 721	383, 657	335, 150	48, 507	330, 201	289, 708	40, 493
Vegetable tanned (backs, bends, sides).....	218, 842	133, 647		218, 428	195, 767	22, 661	241, 338	201, 021	40, 317
Chrome or retan (backs, bends, sides).....	19, 889	17, 493	127	20, 003	13, 748	6, 255	188, 863	88, 687	176
Heads, bellies, shoulders, etc.....	142, 781	61, 553	1, 594	145, 226	125, 635	19, 591	7, 933	7, 933	
Welting leather.....	7, 265	4, 031		7, 270	7, 189	81			
Belting leather.....	17, 034	17, 456	2, 762	16, 722	16, 717	5	n.a.	n.a.	
Curried (butts, butt bends).....	15, 674	16, 578	2, 760	15, 360	15, 360		6, 107	6, 107	
Shoulders.....	1, 360	878	2	1, 362	1, 357	5	(?)	(?)	
Mechanical leather (sides).....	3, 676	4, 449		3, 769	2, 882	887	n.a.	n.a.	n.a.
Harness leather (sides, backs).....	5, 260	3, 526	300	5, 385	5, 385		7, 668	7, 668	
Collar, skirting, lace, and latigo leather (sides).....	6, 854	5, 114	20	6, 930	6, 930		9, 414	9, 414	
Bag, case, and strap leather (sides).....	44, 637	26, 169	158	44, 645	38, 499	6, 146	21, 245	21, 245	
Upholstery leather—top grains and machine buffs (hides).....	26, 566	14, 028	2, 195	26, 661	22, 323	4, 338	23, 387	17, 791	5, 596
Upper leather, excluding patent (sides).....	492, 824	234, 405	585	492, 829	422, 393	70, 436	370, 610	362, 921	7, 689
Patent leather (sides).....	51, 129	28, 056		51, 168	12, 476	38, 692	51, 286	29, 080	22, 206
Glove leather, excluding athletic (sides).....	10, 084	2, 553		10, 025	2, 228	7, 797	10, 633	7, 314	3, 319
Garment leather (sides).....	12, 952	5, 023		13, 018	3, 199	9, 819			
Flat leather, handbag leather, and other fancy leather (sides).....	10, 558	2, 738		10, 609	8, 323	2, 286	3, 962	3, 962	
Other.....	116, 457	24, 614	29	38, 347	31, 899	6, 448	n.a.	n.a.	n.a.
Finished splits (including deep buffs and buffings):									
Bottom stock.....	281, 256	61, 250	2, 591	276, 708	208, 068	68, 640	n.a.	n.a.	n.a.
Upper.....	51, 602	11, 892	916	51, 404	43, 462	7, 942	(?)	(?)	(?)
Lining.....	54, 751	14, 250		51, 901	42, 913	8, 988	39, 330	39, 330	
Other.....	79, 374	15, 056	179	79, 542	63, 091	16, 451			
Glove.....	55, 164	9, 342	293	55, 493	32, 433	23, 060	138, 186	112, 399	25, 787
Garment.....	6, 034	1, 255		6, 041	3, 034	3, 007			
Upholstery, including beef buffs.....	14, 722	4, 017	639	14, 683	14, 200	483	10, 193	10, 193	(?)
Other.....	19, 609	5, 438	564	17, 644	8, 935	8, 709	n.a.	n.a.	n.a.
Calf and whole kip leathers.....	127, 238	107, 747	539	128, 296	105, 862	22, 433	156, 214	144, 220	11, 994
Upper (skins).....	119, 532	102, 042	537	119, 994	98, 228	21, 766	133, 470	123, 140	10, 330
Other.....	7, 706	5, 705	2	7, 302	7, 634	7, 667	22, 744	21, 080	1, 664
Goat and kid leathers.....	180, 239	93, 097	202	180, 626	148, 261	32, 365	210, 916	188, 873	22, 043
Upper (skins).....	147, 903	80, 159	176	148, 001	120, 178	27, 823	153, 829	141, 410	12, 419
Lining (skins).....	25, 906	9, 528		25, 962	24, 573	1, 389	54, 274	44, 650	9, 624
Glove (skins).....									
Garment (skins).....	678	253		820	811	9	2, 123	2, 123	
Other.....	5, 852	3, 157	26	5, 843	2, 699	3, 144	690	690	
Cabretta.....	28, 318	13, 202	5	28, 583	13, 895	14, 688	n.a.	n.a.	n.a.
Upper (skins).....	7, 076	3, 040		7, 075	6, 296	779	(?)	(?)	(?)
Glove (skins).....	17, 375	8, 773		17, 611	4, 937	12, 674	22, 320	8, 326	13, 994
Garment (skins).....									
Other.....	3, 867	1, 389	5	3, 897	2, 662	1, 235	n.a.	n.a.	n.a.
Sheep and lamb leathers.....	277, 329	69, 362	993	283, 193	201, 803	81, 390	n.a.	n.a.	n.a.
Upper (skins).....	12, 515	3, 074	183	12, 615	8, 354	4, 261	15, 773	12, 617	3, 156
Lining (skins).....	113, 375	25, 419		114, 065	76, 560	37, 505	87, 238	60, 522	26, 716
Fancy (skins).....	12, 330	3, 849	14	12, 137	10, 237	1, 900	14, 272	12, 247	2, 025
Glove (skins).....	22, 120	6, 835	45	22, 141	11, 745	10, 396	142, 786	99, 515	43, 271
Garment (skins).....	50, 287	11, 872		50, 499	34, 377	16, 122			
Skivers.....	22, 774	4, 628	47	24, 034	17, 572	6, 462	31, 371	22, 985	8, 386
Fleshers, including chamois.....	9, 350	2, 430		10, 654	10, 165	489	4, 151	n.a.	4, 151
Textile and roller (skins).....	4, 761	1, 829	235	4, 761	3, 077	1, 684	3, 755	1, 204	2, 551
Other.....	29, 817	9, 426	469	32, 287	29, 716	2, 571	n.a.	n.a.	n.a.
Shearlings (skins).....	37, 458	22, 312		35, 005	34, 143	862	19, 050	19, 050	
Horse, colt, mule, ass, and pony leathers.....	52, 129	20, 086	26	53, 436	46, 820	6, 316	n.a.	n.a.	n.a.
Sole.....	3, 311	1, 990		3, 408	3, 308	100	3, 960	3, 960	
Upper.....	8, 182	4, 796	26	8, 235	7, 443	792	11, 592	6, 826	4, 766
Glove.....	12, 970	3, 209		13, 031	10, 468	2, 563	25, 679	25, 679	
Garment.....	21, 802	7, 213		22, 552	19, 672	2, 580			
Other.....	5, 864	2, 878		6, 210	5, 929	281	n.a.	n.a.	n.a.
Kangaroo and wallaby leather (skins).....	8, 840	5, 327		8, 853	7, 115	1, 738	5, 529	5, 529	
Deer and elk leathers.....	7, 486	4, 024		7, 599	8, 12	6, 787	7, 648	2, 111	5, 537
Reptile leather.....	4, 008	611	153	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Aquatic leather.....	539	533	32	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
Pig and hog leathers, including peccary, carpincho, bacon rind and strips, etc.....	20, 137	8, 819	4	20, 206	4, 330	15, 876	837	837	
Other animals.....	2, 390	1, 221	209	2, 668	2, 538	130	n.a.	n.a.	n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	1947			1939	
	Shipments		Production (pairs)	Production	
	Quantity (pairs)	Value		Quantity (pairs)	Value
Footwear, except house slippers and rubber footwear, total	436,332	\$1,703,132	437,312	385,596	\$697,072
Dress and work shoes	396,959	1,592,281	398,084	361,578	658,565
Men's dress, including moccasin-type dress shoes	85,015	466,972	84,957	76,637	182,167
Welted, including Silhouwelt			77,072	65,790	
McKay, including Littleway			6,679	9,406	
Other construction			1,206	1,441	
Men's work, including moccasins	21,786	97,523	21,786	28,125	48,553
Welted, including Silhouwelt			11,798	7,338	
McKay, including Littleway			1,476	4,642	
Wood or metal fastened			7,496	14,133	
Other construction			1,016	2,012	
Youths' and boys'	19,822	55,938	19,829	17,316	24,778
Welted, including Silhouwelt			7,982	6,251	
McKay, including Littleway			3,539	4,748	
Wood or metal fastened			4,413	3,495	
Stitchdown			3,238	2,822	
Other construction			657	(⁹)	
Women's, including sandal-type dress shoes	182,215	774,861	182,816	168,777	335,127
Welted, including Silhouwelt			44,245	30,554	
McKay, including Littleway			24,972	45,153	
Cemented, excluding Slip-lasted			85,252	81,235	
Slip-lasted			15,142	n.a.	
Other construction			13,205	11,835	
Misses', including sandal-type dress shoes	26,934	73,737	27,026	10 46,001	10 50,290
Welted, including Silhouwelt			7,333	8,125	
McKay, including Littleway			1,406	4,248	
Stitchdown			13,576	30,297	
Cemented, excluding Slip-lasted			3,398	3,273	
Slip-lasted			1,234	n.a.	
Other construction			80	148	
Children's	26,149	66,074	26,262	(¹⁰)	(¹⁰)
Welted, including Silhouwelt			8,701		
Stitchdown			13,108		
Cemented, excluding Slip-lasted			3,754		
Slip-lasted			292		
Other construction			407		
Infants'	20,538	39,462	20,906	11 24,632	11 17,650
Welted, including Silhouwelt			5,682	5,391	
Stitchdown			7,635	10,520	
Cemented, excluding Slip-lasted			4,413	12 2,104	
Other construction			3,176	6,617	
Babies	14,500	17,714	14,502	(¹¹)	(¹¹)
Welted, including Silhouwelt			1,011		
Turned			6,337		
Stitchdown			3,629		
Other construction			3,525		
Athletic shoes	4,424	19,926	4,233	4,144	8,890
Men's, youths', and boys'	3,351	16,085	3,145		
Women's, misses', and children's	1,073	3,841	1,088		
Play shoes	31,779	77,973	31,839		
Men's, youths', and boys'	740	2,429	743		
Women's and misses', including nondress type sandals	29,510	73,294	29,565		
Welted, including Silhouwelt			3,672		
McKay, including Littleway			3,479		
Cemented, excluding Slip-lasted			7,973		
Slip-lasted			11,589	19,874	29,617
Other construction			2,852		
Children's	773	1,236	773		
Infants' and babies'	756	1,014	758		
Footwear, not specified by kind	3,170	12,952	3,156		
Slippers for housewear, total	47,762	85,319	47,652		
Men's	10,800	22,617	10,726		
Welted, including Silhouwelt			957		
McKay, including Littleway			1,666		
Turned			1,714		
Stitchdown			2,868		
Cemented, excluding Slip-lasted			2,869		
Slip-lasted			338		
Other			314		
Youth's and boys'	635	785	636		
Women's	21,418	43,300	21,353	n.a.	n.a.
McKay, including Littleway			3,781		
Turned			1,358		
Cemented, excluding Slip-lasted			8,034		
Slip-lasted			3,375		
Other			4,805		
Misses'	1,594	2,308	1,618		
Children's	2,816	3,033	2,828		
Infants' and babies'	1,015	946	1,128		
Other house slippers, not specified by kind	9,484	12,330	9,363		

See footnotes at end of table.

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity	Value f.o.b. plant	Quantity	Value
Footwear cut stock and findings, total		\$294,135		n.a.
Cut stock				n.a.
Outer soles:		201,648		n.a.
Leather				
Rubber	18,698	101,874	20,069	\$44,851
Other than leather or rubber ¹⁴	9,779	¹³ 31,231	12,213	¹³ 15,114
Midssoles:	650	2,146	n.a.	n.a.
Leather				
Other than leather	5,509	12,648	12,914	13,236
Heels:	415	474	2,603	807
Leather				
Rubber	3,877	5,249	3,190	2,640
Other than leather or rubber ¹⁴	26,469	¹³ 31,028	22,139	¹³ 14,494
Heel lifts and top lifts:	4,269	5,240	4,246	1,910
Leather				
Other than leather	9,976	7,329	9,040	3,491
Counters:	1,116	333	1,117	198
Leather				
Other than leather	6,942	5,945	6,355	3,854
Box toes	15,839	5,524	21,756	3,682
Taps	18,221	5,422	20,358	3,143
Uppers (vamps, quarters, tips, tongues, etc.)	4,304	13,008	2,744	5,914
Other cut stock:		2,460		157
Leather				
Other than leather		26,389		7,630
Findings		31,695		
Platforms, other than wood	1,685	2,677	n.a.	n.a.
Wood heel blocks made for sale as such	8,974	10,616	7,678	3,519
Finished wood heels:				
Manufactured complete in own plant	5,066	7,924	4,153	4,998
Finished from purchased blocks	4,178	10,478	4,818	5,684
Other cut stock and findings, n.e.c.		63,901		
Shanks:				
Metal	12,890	3,536	23,290	2,189
Other than metal	4,889	1,610		
Wetling (equivalent 1/2 inch wide)	(Lin. yds.) 205,938	21,611	(Lin. yds.) 171,263	6,733
Other shoe findings, n.e.c.		37,144		
Industrial leather belting and packing, total		52,267		23,503
Industrial leather belting		21,993		11,676
Flat ¹⁵		19,283		10,417
Other		2,710		1,259
Leather packings		9,305		4,305
Leather oil and grease retainers		9,778		n.a.
Leather washers		928		(¹⁶)
Textile leathers		7,486		2,218
Other products made wholly or partly of leather		2,777		5,304

n.a.—Not available.

¹ Includes belting leather, except belting butts—curried.

² Included with cattle hide and kip side sole leathers.

³ Includes both finished and rough, top grains, machine buffs, and splits upholstery leather.

⁴ Included with lining, glove, and garment finished splits.

⁵ Includes bottom stock splits.

⁶ Included with cattle hide and kip side upholstery leather.

⁷ Includes lining and fancy calf and whole kip leathers.

⁸ Cabretta upper leather included with sheep and lamb upper leather.

⁹ Data for a small number of pairs of youths' and boys' "Turned" shoes included in figures for "Wetted, including Silhouelt" to avoid disclosing figures for individual companies.

¹⁰ Data for misses' shoes and children's shoes combined in 1939.

¹¹ Data for infants' shoes and babies' shoes combined in 1939.

¹² Data for a small number of pairs of infants' "wood-or-metal fastened" shoes included in figure for "cemented" to avoid disclosing figures for individual companies.

¹³ These products also shown in the products of the rubber industries where they are made. They are shown here also only as a convenience. The dollar amounts for these items are not included in the cut stock total.

¹⁴ Made of materials such as leather board. Believed to include some rubber soles and heels which were not reported separately.

¹⁵ In 1947, shipments totaled 7,211,000 pounds of flat leather belting; production in 1947 was 7,720,000 and in 1939, 6,400,000 pounds.

¹⁶ Included in "Other products made wholly or partly of leather" in 1939 to avoid disclosure.

LEATHER GLOVES; LUGGAGE; AND RELATED GOODS

[All figures in thousands]

PRODUCT	1947		1939		
	Total shipments and interplant transfers		Production	Production	
	Quantity	Value f.o.b. plant	Quantity	Quantity	Value
	(units)	\$	(units)	(units)	
Suitcases, briefcases, bags, trunks, and other luggage, total		\$129,168			
Leather hand luggage.....	1,619	24,597	1,621	} 1,597	\$8,911
Men's.....	536	11,083	532		
Women's.....	1,083	13,514	1,089		
Nonleather hand luggage.....	5,579	36,583	5,815	} 5,178	12,893
Men's.....	1,305	9,285	1,295		
Women's.....	4,274	27,298	4,520		
Other leather hand luggage.....	737	8,887	716	} 369	1,248
Men's.....	426	5,181	408		
Women's.....	311	3,706	308		
Other nonleather hand luggage.....	4,662	11,429	5,017	} 2,170	1,596
Men's.....	287	1,539	300		
Women's.....	4,375	9,890	4,717		
Occupational luggage cases.....	1,127	6,787	1,131		
Leather.....	396	3,273	397	n.a.	n.a.
Nonleather.....	731	3,514	734		
Trunks, hand trunks, and lockers.....	1,244	14,045	1,298	} 648	4,045
Leather.....	68	2,078	69		
Nonleather.....	1,176	11,967	1,229		
Briefcases.....	2,297	11,130	2,299	} 1,421	3,255
Leather.....	1,762	10,021	1,763		
Nonleather.....	535	1,109	536		
School bags.....	1,531	1,459	1,537	n.a.	n.a.
Dressing cases.....	797	2,656	796	n.a.	n.a.
All other luggage.....		11,595			2,117
Women's handbags and purses, total		159,693			
All leather and chiefly leather.....	16,466	74,306	16,854	20,576	27,856
Chiefly nonleather.....	37,348	75,991	37,488	43,931	27,653
Other products of the handbag industry.....		9,396		n.a.	n.a.
Saddlery, harness, and whips, total		18,817			
Harness and harness parts (excluding collars).....		8,069			
Horse collars.....	542	2,011	474		7,603
Saddles.....	103	5,229	109		1,722
Other saddlery, and harness products.....		3,478			1,278
Leather gloves and mittens, dress and semidress, total	(dozens)	45,275	(dozens)	(dozens)	
Men's and boys':					
All leather, including fur.....	866	22,887	862	814	9,095
Table cut.....	96	3,591	89	100	1,924
Pattern and pulldown cut.....	144	5,333	138	143	2,043
Block cut.....	626	13,963	635	581	5,128
Women's, misses', and children's:					
All leather, including fur.....	653	21,521	649	727	10,559
Table cut.....	452	16,914	443	1,444	7,587
Pattern and pulldown cut.....	112	3,074	113	1,192	2,271
Block cut.....	89	1,533	93	91	701
Other gloves.....	54	867	48	n.a.	n.a.
Leather work gloves and mittens, total		15,976			5,859
Welders'.....	91	1,782			
All-grain, except welders'.....	615	8,494			
All-split, except welders'.....	344	3,617		} 1,064	5,859
Grain and split, except welders'.....	112	1,514			
Other and not specified by type.....		569			
Small leather goods, total	(units)	37,060		(units)	13,965
Billfolds and wallets, all leather and chiefly leather.....		28,532			(2) 1,724
Key cases.....	16,330	2,363		10,879	2 12,241
Small leather goods, not specified by type.....	5,911	6,165			
Leather goods, not elsewhere classified, total		45,321			9,294
Leather novelties.....		21,433			
Other leather goods, not elsewhere classified.....		23,888			

n.a.—Not available.

¹ In 1947 gloves cut by the pulldown method were combined with pattern cut gloves; in 1939 pulldown gloves were combined with table cut gloves. It is not believed that this discrepancy affects the comparison of the two years significantly.

² Billfolds are included in "Small leather goods, not specified by type," in 1939.

Chapter XIII—STONE, CLAY, AND GLASS PRODUCTS

GLASS PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947						1939		
		Shipments and interplant transfers						Production (quantity)	Production	
		Total		Interplant transfers		All other shipments			Quantity	Value f.o.b. plant
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant			
Flat glass, total			\$297, 736		n.a.		n.a.		\$111, 758	
Sheet (window) glass (including colored and bent sheet glass), total	M boxes of 50 sq. ft.	18, 947	72, 525	2, 045	\$8, 432	16, 902	\$64, 093	19, 058	9, 498	24, 326
Thin glass, including picture glass (less than 16 ounces per square foot)	do	722	2, 132	13	42	709	2, 090	708	n.a.	n.a.
Single strength	do	11, 720	34, 821	1, 172	4, 066	10, 548	30, 755	11, 772	n.a.	n.a.
Double strength and greenhouse glass	do	5, 218	24, 863	832	4, 034	4, 386	20, 829	5, 308	n.a.	n.a.
Heavy sheet	do	1, 287	10, 709	28	290	1, 259	10, 419	1, 270	n.a.	n.a.
Laminated glass (including safety glass), total	M sq. ft.	130, 807	101, 033	n.a.	n.a.	n.a.	n.a.	130, 142	n.a.	40, 395
Made in the flat-glass industry	do	58, 866	44, 530	18, 407	13, 441	40, 459	31, 089	58, 763	53, 612	30, 930
Made in the products-of-purchased-glass industry	do	71, 941	56, 503	n.a.	n.a.	n.a.	n.a.	71, 379	n.a.	9, 465
Laminated plate, 1/4-inch and under	do	55, 094	49, 353	n.a.	n.a.	n.a.	n.a.	54, 505	n.a.	n.a.
Laminated plate, over 1/4-inch	do	5, 043	5, 023	n.a.	n.a.	n.a.	n.a.	5, 043	n.a.	n.a.
Laminated sheet (window) glass	do	69, 788	44, 536	n.a.	n.a.	n.a.	n.a.	69, 741	n.a.	n.a.
Other laminated glass	do	882	2, 121	n.a.	n.a.	n.a.	n.a.	853	n.a.	n.a.
Other flat glass, total			124, 178		(d)		(d)			47, 037
Obscured glass, translucent but not transparent (excluding wire glass):	M sq. ft.	64, 197	9, 658	19, 307	3, 485	44, 890	6, 173	68, 429	18, 967	1, 154
Rolled glass, rough, fluted, figured, etc.	do	3, 682	682			3, 682	682	3, 764	2, 950	1, 081
Colored cathedral, opalescent, and antique glass	do	29, 553	4, 458	(d)	(d)	(d)	(d)	32, 140	16, 197	2, 292
Wire glass:	do	1, 897	1, 106	(d)	(d)	(d)	(d)	1, 780		
Rough-rolled and obscured	do									
Polished	do									
Other flat glass (including plate glass; multiple-glazed sealed insulating units; plate glass blanks; ophthalmic lens blanks; and structural opaqued glass, except glass block and tile)			108, 274		21, 165		81, 191			42, 510

PRODUCT	Unit of measure	1947			1939	
		Shipments and interplant transfers		Production (quantity)	Production	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Glass containers, total	M gross	111, 981	\$422, 963	116, 215	52, 535	\$156, 365
Domestic shipments of machine-made glass containers, total	do	107, 437	404, 954	116, 143	(?)	(?)
Narrow neck:						
Food	do	11, 013	43, 061	34, 788	3, 985	12, 269
Medicinal and health supplies	do	11, 921	32, 484			
Toiletries and cosmetics	do	5, 043	13, 056			
Chemical, household, and industrial	do	5, 491	26, 251			
Beverage, returnable and nonreturnable	do	10, 513	53, 493	11, 788	3, 449	14, 204
Beer, returnable	do	10, 010	37, 029			
Beer, nonreturnable	do	3, 002	8, 584			
Liquor	do	9, 932	47, 610			
Wine	do	2, 438	14, 064			
Wine	do	2, 438	14, 064	2, 666	8, 213	29, 563
Wide mouth:						
Food	do	24, 718	69, 986	33, 484	10, 342	28, 774
Medicinal and health supplies	do	3, 204	8, 543			
Toiletries and cosmetics	do	1, 375	4, 478			
Chemical, household, and industrial	do	1, 047	3, 535			
Dairy products	do	4, 010	24, 965	4, 137	2, 536	13, 088
Packers' tumblers	do	1, 529	4, 842			
Fruit jars	do	2, 023	12, 376			
Domestic jelly glasses	do	168	597			
Domestic jelly glasses	do	168	597			
Domestic shipments of hand-made glass containers, total	do	71	1, 663	72	(?)	(?)
Perfume and toiletries	do	59	1, 277	60	(?)	(?)
Other hand-made containers	do	12	386	12	(?)	(?)
Export shipments of all types of glass containers	do	4, 473	16, 346			
<i>Net weight of containers packed</i>	M lbs	10, 215, 315				

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939		
		Shipments and interplant transfers		Production (quantity)	Production	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Pressed and blown glassware (except glass containers), total			250,232		95,454	
Machine-made table, kitchen, art, and novelty glassware (including glassware made by machines with automatic and semiautomatic feeds), total.....			62,455		n.a.	
Tumblers, goblets, and other stemware.....	M doz.....	68,711	31,684	74,293	45,209	14,108
Tableware (designed for serving food and drink; excluding tumblers, goblets, and other stemware).....	do.....	31,131	17,848	33,443	24,945	9,564
Kitchenware (designed for preparing and storing food in homes and commercial establishments; excluding cooking ware).....	do.....	9,096	8,630	9,620	n.a.	(¹)
Ornamental, decorative, and novelty glassware; and smokers' accessories.....	do.....	4,379	4,293	4,442	² 17,926	³ 4,694
Hand-made table, art, and novelty glassware, total			33,106		n.a.	
Pressed ware:						
Tumblers, goblets, and other stemware.....	M doz.....	755	2,738	778	1,305	2,400
Tableware (excluding tumblers, goblets, and other stemware).....	do.....	1,250	7,615	1,293	1,287	1,584
Ornamental, decorative, and novelty glassware; and smokers' accessories.....			4,491			⁴ 2,653
Blown ware:						
Tumblers.....	M doz.....	1,180	3,607	1,193	2,882	3,863
Goblets and other stemware.....	do.....	2,131	11,199	2,158		
Ornamental, decorative, and novelty glassware; and smokers' accessories (including ornamental tableware).....			3,456			⁵ 1,155
Lighting glassware, total			58,425			21,464
Bowls, all types.....			3,438			9,166
Enclosing globe all types.....			3,708			
Shades, reflectors, and torcheres.....			4,753			
Lantern globes (oil and electric).....	M doz.....	609	1,040	610	283	
Lamp chimneys.....	do.....	1,379	1,116	1,500	1,663	817
Lamp parts.....			2,880			10,980
Railroad, marine, and traffic lighting glassware.....			1,661			
Shields and plates for fluorescent lighting fixtures.....			277			
Electrical discharge tubing (including fluorescent and neon).....	M lin. ft.....	591,365	9,363	670,191	n.a.	
Other interior and exterior lighting glassware (including electric-light-bulb blanks ⁶ ; radio, X-ray, radar, and other electronic-tube blanks; oil founts; and prisms).....			30,189			
All other pressed and blown glassware, total			96,246			⁷ 33,949
Technical and scientific glassware:						
Tubing (excluding fluorescent and industrial tubing).....	M lbs.....	24,695	6,107	24,191	27,623	4,727
Scientific and laboratory glassware ⁸			21,423			8,025
Insulators and other technical glassware, except electronic-tube blanks (including rods and canes, all types).....			2,892			
Industrial glassware (including gauge glass, instrument faces, machine parts, industrial tubing, glass knobs, meter covers, pumps, battery jars, etc.).....			12,377			
Cooking ware (heat-resistant, heat-treated, and annealed):						
Machine-made custard cups, cake and bread bakers, casseroles, and pie plates.....	M pieces.....	58,831	7,153	60,744	n.a.	21,197
Hand- and machine-made coffee and beverage makers (complete units only; excluding tea kettles).....	do.....	10,106	6,603	10,229	n.a.	
Other machine-made and hand-made cooking ware (including top-of-stove ware).....	do.....	18,704	5,610	18,739	n.a.	
Sun-glass lenses and other eye-protective lenses ⁹			6,412			
All other pressed and blown glassware:						
Machine-made (including glass block, brick, and tile; Christmas-tree ornaments; stationers' ware, marbles, nursery bottles, lantern and searchlight lenses, automotive lenses including sealed beam, ophthalmic lens blanks, optical-instrument lens blanks, etc.).....			25,013			
Hand-made (including kitchenware other than cooking ware, stationers' ware, and nursery bottles).....			2,656			
Products of purchased glass (except laminated glass, electric-light-bulb blanks, scientific and laboratory glassware, and sun-glass lenses and other eye-protective lenses), total.....			125,254			37,171
Mirrors (framed and unframed, decorated and undecorated), total.....	M sq. ft.....	67,294	55,428			19,203
Plate glass.....	do.....	37,177	40,793			14,250
Other glass.....	do.....	30,117	14,635			4,953
All other products of purchased glass, total			¹⁰ 61,251			n.a.
Cutware.....			5,446			2,940
Decorated glassware (including bent glassware, engraved, etched, sand-blasted, applied color, etc.).....			10,837			2,508
Watch crystals.....			3,334			890
Other glass products, including stained and leaded glass, automobile glass other than safety (cut, beveled, and polished), beveled and polished plate glass, bent plate and sheet glass, etc.....			41,635			11,630
Products of purchased glass, not specified by kind.....			8,575			

n.a.—Not available.

¹ Withheld to avoid disclosing figures for individual companies.² Includes 1,554 M sq. ft. of rough-rolled and obscured wire glass consumed in the plant where made in the manufacture of other products.³ No separate figures for machine-made and hand-made glass containers were collected in 1939. All figures shown for machine-made containers represent the combined data.⁴ Figures for wide-mouth medicinal, health supplies, toiletries, and cosmetics containers are included with the corresponding figures for narrow-neck containers.⁵ Figures for wide-mouth chemical, household, and industrial containers are included with the corresponding figures for narrow-neck containers.⁶ Figures for kitchenware are included with "All other pressed and blown glassware."⁷ Represents "Other tableware" only.⁸ Represents "Other tableware (bowls, vases, jugs, etc.)" only.⁹ Includes products made from glass produced in the establishment and from purchased glass.¹⁰ Excludes shipments of electric-light-bulb blanks, scientific and laboratory glassware, and sun-glass lenses and other eye-protective lenses made from purchased glass and valued at \$17,133,000. These products are included in the figures for "Pressed and blown glassware" (see footnote 2).

CEMENT; STRUCTURAL CLAY PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939 ¹	
		Shipments and interplant transfers		Shipments	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Hydraulic cement, total			\$406,916	n.a.	n.a.
Portland cement.....	M bbls. of 376 lbs.	184,903	349,231	122,303	180,322
Natural, masonry-natural, and puzzolan cements.....	do.	715	1,426	2,405	3,382
Masonry mortars (prepared or mixed hydraulic and masonry cements other than special portlands).....	do.	11,347	24,454	(2)	(2)
Portland cement used in their production.....	do.	4,261		(2)	
Cost of containers for above cements and mortars.....			31,805		n.a.

PRODUCT	Unit of measure	1947		1939		
		Shipments and interplant transfers		Production	Production	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant
Brick and hollow tile, total			\$142,118		\$75,123	
Unglazed brick (common or back-up, and facing):						
Red burning clay.....	M std. brick	4,528,350	99,199	4,646,928	4,209,797	49,136
Light burning clay.....	do.	434,866	11,338	449,622	516,082	7,690
Other burning clay.....	do.	48,340	1,378	45,793	(3)	(3)
Ceramic- and salt-glazed brick.....	do.	12,158	750	12,537	(4)	(4)
Vitrified paving brick.....	do.	20,727	769	24,771	61,068	1,540
Other brick (flooring brick, acid-proof brick, etc.).....	do.	29,326	1,166	30,180	n.a.	777
Unglazed hollow facing tile.....	M std. brick equiv.	129,850	3,985	135,386	58,846	1,242
Glazed hollow facing tile:						
Ceramic glazed.....	do.	148,786	7,826	156,230	70,943	2,427
Salt glazed.....	do.	65,487	2,505	73,522	123,368	3,420
Nonload-bearing and load-bearing structural tile.....	Ton.	1,183,659	12,319	1,237,239	130,326	8,528
Other hollow building tile (including silo and corner tile).....	do.	54,606	883	58,658	n.a.	863
Floor and wall tile, except quarry tile, total	M sq. ft.	101,051	41,976	103,818	66,393	16,540
Glazed floor and wall tile and accessories.....	do.	75,601	33,702	77,387	66,393	16,540
Unglazed floor and wall tile and accessories, except quarry tile.....	do.	25,450	8,274	26,431		
Vitrified sewer pipe and fittings.....	Ton.	1,341,623	42,984	1,394,687	1,076,184	15,743
Clay refractories, total			110,897			40,497
Fire-clay brick, standards and special shapes, except superduty.....	M 9-inch equiv.	696,364	56,000	719,603		
Superduty fire-clay brick, standards and special shapes.....	do.	65,653	6,777	71,704	507,324	25,169
Insulating fire brick, standards and special shapes.....	do.	42,147	6,027	44,805		
High-alumina brick, standards and special shapes (50 percent Al ₂ O ₃ and over, except fused alumina and mullite).....	do.	24,504	5,347	25,184	716,714	7,512
Ladle brick.....	do.	152,393	6,775	151,619	59,783	1,575
Glass-house pots, tank blocks, upper structure, and floaters.....	Ton.	31,829	3,689	30,963	26,956	2,339
Hot-top refractories.....	M 9-inch equiv.	47,466	4,044	48,104		
Sleeves, nozzles, runner brick, and tuyeres.....	do.	48,347	4,498	48,223		
High-temperature bonding mortars.....	Ton.	73,720	4,615	75,644		9,902
Plastic refractories (including wet and dry ramming matures).....	do.	79,447	3,384	80,451		
Cast and castables (hydraulic setting).....	do.	47,794	2,987	48,870		
Ground crude fire clay and high-alumina material.....	do.	404,355	3,319	406,695		
Other clay refractories.....	do.		3,435			
Structural clay products, n. e. c., total			33,826			15,121
Drain tile.....	Ton.	894,920	13,048	933,960	487,119	3,951
Terra cotta (architectural).....	do.	12,972	2,670	15,422	28,009	2,861
Quarry tile.....	M sq. ft.	6,847	1,674	7,374	11,946	1,037
Roofing tile.....	Sq. (100 sq. ft.)	150,532	5,047	156,567	243,040	2,376
Flue lining.....	Ton.	226,832	6,286	233,512	177,964	2,539
Other structural clay products, n. e. c., including conduit; stove lining; chimney pipe, tops, and thimbles; and wall coping.....			7,101			2,357

¹ Source: Bureau of Mines, Department of the Interior.

² Separate figures were not collected in 1939 for quantity and value of masonry mortars. The quantity and value of cements used in their production were included in 1939 under "Portland cement" and "Natural, masonry-natural, and puzzolan cements."

³ The schedule used in 1939 specified brick of "red burning clays" and "buff burning clays" only; probably any brick of other colors produced was included in one of these items.

⁴ Figures for glazed brick are included with the figures for glazed tile.

⁵ Represents thousands of square feet produced; figures for production in short tons are not available.

⁶ All special shapes, valued at \$3,832,951 in 1939, are included in the bracketed item for "Hot-top refractories" through "Other clay refractories."

⁷ Represents 40 percent Al₂O₃ and over high-alumina brick. See also footnote 6.

POTTERY AND RELATED PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Shipments and interplant transfers		Production	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Vitreous and semivitreous plumbing fixtures and accessories, total			\$67,165		\$22,105
Vitreous-china and glazed earthenware plumbing fixtures ¹			62,641		19,130
Drinking fountains (vitreous china).....	Number	58,004	646	n.a.	(?)
Lavatories (vitreous china).....	do	1,392,033	12,688	278,571	3,004
Water-closet bowls (vitreous china):					
Syphon jet.....	do	294,473	4,438	193,627	1,568
Washdown.....	do	1,428,636	10,449	904,637	3,365
Reverse trap.....	do	961,601	8,258	486,305	3,035
Flush tanks (vitreous china).....	do	2,367,181	20,723	1,245,266	6,162
Urinals (vitreous china and glazed earthenware).....	do	95,985	1,534	n.a.	(?)
Kitchen sinks (vitreous china and glazed earthenware).....	do	170,777	1,254	n.a.	(?)
All other vitreous-china and glazed earthenware plumbing fixtures.....			2,651		2,006
Vitreous-china and glazed earthenware plumbing-fixture accessories and fittings (including towel racks, soap cups, etc.).....			4,524		2,975
Vitreous-china table and kitchen articles (for serving, cooking, preparing, and storing food and drink), total	M doz. pieces	12,324	42,783	n.a.	12,087
Hotel and commercial.....	do	11,351	33,629	n.a.	n.a.
Decorated tableware.....	do	8,855	27,026	n.a.	n.a.
Undecorated tableware and kitchenware.....	do	2,496	6,603	n.a.	n.a.
Household.....	do	973	9,154	n.a.	n.a.
Decorated tableware.....	do	668	7,558	n.a.	n.a.
Undecorated tableware and kitchenware.....	do	305	1,596	n.a.	n.a.
Fine earthenware (whiteware) table and kitchen articles (for serving, cooking, preparing, and storing food and drink), total	do	42,285	68,144	n.a.	29,182
Hotel and commercial.....	do	4,454	7,608	n.a.	n.a.
Decorated tableware.....	do	4,140	6,855	n.a.	n.a.
Undecorated tableware and kitchenware.....	do	314	753	n.a.	n.a.
Household.....	do	37,831	60,536	n.a.	n.a.
Decorated tableware.....	do	24,470	46,597	n.a.	n.a.
Undecorated tableware.....	do	13,118	13,040	n.a.	n.a.
Kitchenware.....	do	243	899	n.a.	n.a.
Ceramic electrical supplies, total			5 68,312		n.a.
Porcelain electrical products.....			63,644		20,879
High-voltage porcelain products (wet process porcelain), including integral hardware parts.....			38,457		n.a.
All standard dry-process electrical porcelain, including cleats, knobs, tubes, outlet and switch-box covers, etc.....			3,080		1,304
All special dry-process electrical porcelain, including porcelain parts for wiring devices, fuses, circuit breakers, radio receiving sets, spark plugs, etc., and electrical refractory porcelain.....			22,007		n.a.
Steatite electrical products.....			4,131		n.a.
Other ceramic electrical products, including aluminum oxide and zircon electrical products.....			637		n.a.
China decorating for the trade.....			78,114		2,334
Stoneware table and kitchen articles (for serving, cooking, preparing, and storing food and drink), total	M doz. pieces	1,179	2,631	n.a.	1,816
Hotel and commercial.....	do	664	608	n.a.	n.a.
Household.....	do	515	2,023	n.a.	n.a.
Art, decorative, and novelty pottery ware, total			25,401		5,667
China and porcelain.....			14,600		n.a.
Earthenware and stoneware.....			10,801		n.a.
All other pottery products, n. e. c., total			14,363		n.a.
Chemical, technical, and industrial pottery ware (including chemical stoneware and porcelain, pyrometric tubes, etc.).....			11,000		2,303
Red unglazed earthenware (flower pots, etc.).....			3,263		2,097
Other pottery products, n. e. c.....			100		n.a.
Pottery products n. e. c., not specified by kind.....			10 3,452		41,782

n.a.—Not available.

¹ Only the total value of vitreous-china and glazed earthenware plumbing fixtures was called for in the 1947 Census of Manufactures reports. The detailed figures for 1947 are based on the quarterly reports on Census Form M51H, "Plumbing Fixtures." The figures for number of units and their value include revisions made after publication of the quarterly reports.

² "Drinking fountains," "Urinals," and "Kitchen sinks" are included with "All other vitreous-china and glazed earthenware plumbing fixtures."

³ Represents "Other bathroom and toilet fixtures (recessed and attachable)."

⁴ The 1939 data for these items have been retabulated for comparability with the 1947 statistics.

⁵ Includes metal fittings, valued at \$6,777,000 in 1947 and \$2,519,000 in 1939.

⁶ Represents cleats, knobs, and tubes only.

⁷ In addition \$387,000 was reported received by the "China decorating for the trade" industry for contract and commission work.

⁸ Represents total value of products of the "China firing and decorating (for the trade)" industry.

⁹ Represents "Gas radiants and backwalls for use in portable stoves," "Chemical stoneware," "Pyrometric cones," and "Saggers."

¹⁰ Includes total shipments (\$1.5 million) of 216 small establishments, classified in the "Pottery Products, n. e. c." industry, for which no detailed break-down of shipments was tabulated.

CONCRETE, GYPSUM, MINERAL WOOL, AND STONE PRODUCTS; LIME

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939		
		Shipments and interplant transfers		Production	Production	
		Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant
Concrete products, total			\$329,730			\$76,963
Concrete block and brick, total			180,280			26,382
Block:	M block (8"x8"x16" equiv.)					
Light-weight aggregate (cinder, expanded slag, etc.)		473,164	79,442	484,041	} 406,555	25,515
Heavy-weight aggregate	do	565,338	94,546	572,584		
Brick	M brick	291,052	6,292	296,602	} 146,651	867
Concrete pipe, total	M tons	4,333	82,446	4,463	n.a.	n.a.
Culvert pipe	do	1,589	28,111	1,648	} 712	8,861
Sewer pipe:						
Reinforced	do	525	10,908	551	} 880	10,511
Nonreinforced	do	560	9,528	580		
Pressure pipe	do	422	15,470	423	} n.a.	(?)
Irrigation pipe	do	721	10,268	742	} 159	1,881
Other pipe (including drain tile and conduits)	do	516	8,161	519	} 88	986
Other precast concrete products, total			67,004			n.a.
Roof-and-floor slabs and tile	M sq. ft.	40,617	13,522	39,542	} 105,612	2,080
Burial vaults and boxes	Number	396,990	15,839	400,437		
Laundry trays	do	506,007	3,823	511,073	} 207,109	976
Cast stone for architectural purposes (including window sills, lintels, ashlar, coping, posts, ornamental columns, interior facings, and other trim)			7,915			3,258
Roof-and-floor joists and beams	M lin. ft.	2,319	1,481	2,364	} 10,446	16,874
Silo staves	M staves	10,211	5,536	10,446		
Other products (including piling, posts and poles, crossing slabs, garden furniture, storage and septic tanks, catch-basin covers, shower receptors, gravestones, and prefabricated housing units)			18,888			

PRODUCT	Unit of measure	1947		1939 ³	
		Shipments and interplant transfers		Sold or used by producers	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Gypsum products, total			\$125,910		n.a.
Industrial plasters	Tons	212,476	3,710	110,395	\$1,374
Building plasters and prefabricated building materials:					
As reported to the Bureau of the Census	do	5,579,501	120,917	} n.a.	n.a.
As reported to the Bureau of Mines, total ⁴	do	5,459,187	117,706	} 3,113,821	42,627
Building plasters:					
Base-coat	do	1,724,888	18,788	1,413,291	12,769
Sanded	do	128,849	1,110	116,459	662
Gaging and molding	do	174,337	2,379	150,175	1,923
Other (including insulating, roof-deck, and prepared finishes)	do	130,131	2,800	72,588	1,312
Keene's cement	do	44,470	799	27,191	424
Prefabricated building materials:					
Lath	do	1,290,083	32,200	850,768	14,599
Wallboard	do	1,698,671	53,116	303,472	8,766
Sheathing board	do	111,895	3,535	5,097	106
Laminated board	do	1,877	203		
Tile	do	153,986	2,776	174,780	2,066
Other gypsum products (principally paints)			1,283		n.a.
Lime, total			69,596		n.a.
Quicklime (including dead-burned dolomite)	M tons	5,112	46,424	2,936	19,925
Hydrated lime	do	1,756	18,427	1,318	10,124
Other lime products (including lime plasters and lime putty)			356		n.a.
Cost of containers for lime products			4,389		n.a.

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947			1939
		Shipments and interplant transfers			Production (value f.o.b. plant)
		In designated units	In tons	Value f.o.b. plant	
Mineral wool (from rock, slag, and glass), total				\$79,094	\$10,469
Structural insulation (for insulating homes and commercial and industrial buildings):					
Loose wool (shipped as such).....			101,525	6,000	
Granulated wool.....			490,973	20,001	
Building batts, blankets, and rolls:					
Full thick (3 inches or more).....	M sq. ft.	345,544	136,758	12,994	
Less than 3 inches thick.....	do.	198,055	44,090	5,269	
Industrial insulation (for insulating installed industrial equipment, such as boilers, hot ducts, etc.):					
Loose wool (shipped as such).....			26,768	3,208	
Granulated wool.....			3,167	134	
Felts and felted products.....	M board ft.	24,973	6,480	658	n.a.
Industrial batts.....	do.	4,723	748	90	
Industrial blankets (with wire mesh or other facings).....	do.	11,865	5,973	1,099	
Blocks and boards.....	do.	46,853	25,053	3,975	
Pipe insulation.....				1,472	
Acoustical pads and boards.....	M sq. ft.	13,378	n.a.	2,061	
Insulating cements.....			10,965	944	
Equipment insulation (for installation as integral part of such domestic and commercial equipment as refrigerators, hot-water heaters, etc.).....				18,170	
Mineral wool insulation, not specified by use.....				3,019	

PRODUCT	1947	1939	PRODUCT	1947	1939
	Shipments and interplant transfers	Production		Shipments and interplant transfers	Production
	Value f.o.b. plant	Value f.o.b. plant		Value f.o.b. plant	Value f.o.b. plant
Cut-stone and stone products, total	\$67,205	\$57,279	Cut-limestone products, total	\$10,084	
Cut-marble products, total	14,535	n.a.	Building stone.....	9,848	
Building stone.....	3,634		Other cut-limestone products.....	236	
Monumental stone.....	7,758		Other cut-stone products, total	2,133	n.a.
Other cut-marble products.....	3,143		Sandstone.....	359	
Cut-granite products, total	40,453		Slate.....	908	
Building stone.....	1,677		Other cut-stone products.....	866	
Monumental stone.....	37,951				
Other cut-granite products.....	825				

n.a.—Not available.

¹ Represents tons.² Pressure pipe is included with other precast concrete products.³ Source: Bureau of Mines, U. S. Department of the Interior.⁴ Represents gypsum products "sold or used by producer;" see text.⁵ For 1939, production was reported of 332,792 tons of rock-wool and slag-wool insulation, valued at \$10,265,000. In addition, other mineral-wool products valued at \$204,000 were reported for which no tonnage is available.⁶ Represents total value of products of the "Cut-stone and stone products" industry in 1939; see table 1.

ABRASIVE, ASBESTOS, AND MISCELLANEOUS NONMETALLIC

MINERAL PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947					1939	
		Shipments and interplant transfers		Production			Production	
		Quantity	Value f.o.b. plant	Total for all purposes including further manufacture (quantity)	Made and consumed in the same plant for the manufacture of other products (quantity)	For all other purposes (quantity)	Quantity	Value f.o.b. plant
Abrasive products, total			\$240,741					\$71,519
Nonmetallic abrasives, total			190,313					64,055
Lump abrasives (crude silicon carbide, aluminum oxide, and other artificial—synthetic—abrasives).....	Ton	6,401	545	31,052	24,055	6,997	n.a.	
Sized grains, powders, and flour (graded products only):								
Artificial abrasives:								
Silicon carbide.....	do	22,228	6,188	33,876	11,451	22,425	n.a.	
Aluminum oxide.....	do	71,943	12,920	113,250	39,092	74,158	n.a.	18,744
Other (including combinations of silicon carbide and aluminum oxide, boron carbide, tungsten carbide, etc.).....	do	28	249	28	(d)	(d)	n.a.	
Natural abrasives:								
Emery and garnet.....	do	11,360	1,440	13,321		13,321	n.a.	
Other (including corundum, silica, pumice, and pumicite).....	do	13,300	1,402	12,276		12,276	n.a.	
Coated abrasive products (coated or impregnated with abrasive materials):								
Abrasive cloth:								
Made from artificial abrasive materials.....	Ream	317,611	19,159					
Made from natural abrasive materials.....	do	147,777	5,214				279,673	7,427
Abrasive paper:								
Made from artificial abrasive materials.....	do	791,360	19,440					
Made from natural abrasive materials.....	do	737,902	6,823				1,038,038	9,028
Other coated abrasive products (including paper-cloth combinations, wood, cloth wheels, etc.):								
Made from artificial abrasive materials.....			11,073					(2)
Made from natural abrasive materials.....			888					(2)
Bonded abrasive materials:								
Sticks, stones, hones, balls, and brick (excluding refractory brick, floor and stair brick, and similar byproducts):								
Made from artificial abrasive materials.....			5,246					
Made from natural abrasive materials.....			509					3,454
Grinding and cutting wheels:								
Made from artificial abrasive materials:								
Silicon carbide wheels.....			19,357					
Aluminum oxide wheels.....			55,061					
Other artificial abrasive wheels (including combinations of silicon carbide and aluminum oxide).....			3,119					29,437
Made from natural abrasive materials:								
Diamond wheels.....			6,566					
Other natural abrasive wheels.....			293					
Other nonmetallic abrasive products (including grinding, lapping, and buffing compounds):								
Made from artificial abrasive materials.....			7,857					
Made from diamond abrasive materials.....			2,487					
Made from other natural abrasive materials, except diamonds.....			4,477					48,965
Metal abrasives, total			24,306					3,079
Steel and iron grit, shot, and sand.....	Ton	150,218	11,497				n.a.	1,758
Steel wool.....	do	5,284	3,308				n.a.	1,054
Other metal abrasives.....			9,501					267
Buffing and polishing wheels and laps (containing no abrasive grains, powders, or flour), total			26,122					4,385
Cloth, leather, etc., except felt.....			25,911				n.a.	n.a.
Felt.....			211					
Asbestos products (except paper, gaskets, packing, and insulations), total			194,456					62,352
Asbestos-cement products, total			70,410					n.a.
Siding shingles and clapboard.....	M squares	4,889	30,682	4,928			n.a.	(5)
Roofing shingles.....	do	881	6,846	900			664	4,599
Flat sheets and wallboard (all thicknesses converted to 1/4-inch basis).....	M sq. ft.	147,516	13,419	157,238	(d)	(d)	n.a.	(5)
Corrugated sheets.....	do	41,321	5,140	45,839			7,551	845
Other asbestos-cement products (including pipe, conduits, and ducts).....			14,323					11,207
Asbestos textiles, total			16,991					18,685
Carded fibre.....	M lbs	506	178				n.a.	(9)
Roving and lap.....	do	4,960	1,819	23,358	18,383	4,975	14,437	11,018
Wick and rope.....	do	2,785	1,291	3,221	(d)	(d)	n.a.	(9)
Yarn, cord, and thread.....	do	9,748	4,815	25,285	16,014	9,271	17,923	2,683
Cloth.....	do	7,998	5,624	11,940	4,802	7,138	15,263	11,813
Tape.....	do	3,266	2,469	6,543	(d)	(d)	12,212	11,174
Other asbestos textiles.....	do	1,036	795	1,039	(d)	(d)	n.a.	1,997
Asbestos friction materials, total			58,606					n.a.
Brake linings:								
Woven (containing asbestos yarn, tape, or cloth).....	M lin. ft.	19,589	6,968	19,601			(7)	
Molded (including all nonwoven types).....	Cu. ft.	425,859	31,787	454,215			(7)	714,377
Clutch facings:								
Woven (containing asbestos yarn, tape, or cloth).....	M pieces	20,004	9,851	20,732			9,084	2,446
Molded (including all nonwoven types).....	do	40,296	10,000	39,513			n.a.	(9)
Asphalt floor tile.....	M sq. yds.	40,981	37,825	41,479			4,933	3,633
Other asbestos products (except asbestos paper, gaskets, packing, and insulations), total			10,624					n.a.
Asbestos millboard.....	Ton	19,355	2,812	20,218			9,137	867
Other asbestos products.....			7,812					15,693
Asbestos paper ¹²	Ton	96,760	10,592	97,119			42,615	4,476

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

PRODUCT	Unit of measure	1947				1939	
		Shipments and interplant transfers		Production		Production	
		Quantity	Value f.o.b. plant	Total for all purposes, including further manufacture (quantity)	Made and consumed in the same plant for the manufacture of other products (quantity)	For all other purposes (quantity)	Quantity
Gaskets and asbestos insulations (including packing, except rubber, leather, and metal), total			\$121,730				¹³ \$37,966
Asbestos insulations, total			24,488				11,712
Pipe insulation:							
Cellular and laminated			6,687				
85 percent magnesia			6,578				
Other pipe insulation			2,998				
Block insulation (including sheet and lagging):							11,712
Cellular and laminated	M bd. ft.	13,529	1,558	13,073		n.a.	
85 percent magnesia	do.	31,888	4,573	31,343		n.a.	
Other block insulation	do.	11,442	2,094	10,652		n.a.	
Gaskets (for sealing nonmoving parts), total			76,874				¹³ 19,537
Asbestos, asbestos-metallic, and asbestos-rubber			31,915				
Cork			14,887				
Rubber (except asbestos-rubber)			11,276				
Paper and felt base			10,855				¹³ 10,537
Metal			3,047				
Other			4,894				
Packing, except rubber, leather, and metal (for sealing moving parts), total			20,368				6,717
Asbestos compressed sheet	M lbs.	7,639	2,795	10,779	(d)	(d)	1,205
Asbestos (except compressed sheet), asbestos-metallic, and asbestos-rubber	do.	8,937	9,459	8,919		n.a.	5,512
Other			8,114				
Rubber, leather, and metal packing, total ¹⁴			30,568				17,503
Rubber	M lbs.	17,664	12,451	17,740		¹³ 32,271	¹³ 10,092
Leather			9,305				4,305
Metal			8,812				3,106

PRODUCT	Unit of measure	1947			1939	
		Shipments and interplant transfers		Production (quantity)	Production	
		Quantity	Value f.o.b. plant		Quantity	Value f.o.b. plant
Natural graphite: ground, refined, or blended			\$7,027			¹⁶ \$2,176
Light-weight aggregate (such as treated diatomaceous earth, expanded clays and slag, and cinders; excludes vermiculite)			10,671			
Other minerals and earths: ground or otherwise treated, total			74,983			¹⁷ 36,690
Crushed slag			10,304			
Ground talc			5,574			
Ground feldspar			3,553			
Ground uncalcined gypsum			3,358			
Ground mica			2,221			
Other minerals and earths: ground or otherwise treated (including roofing granules, activated clays, pulverized limestone, silica, and pyrophyllite)			49,973			
Sand-lime products, total			2,307			1,798
Sand-lime brick	M brick	102,553	1,840	103,504	153,280	1,588
Other sand-lime products (including block and mortars)			467			210
Nonclay refractories, total			93,315			25,380
Silica brick and shapes	M 9" equiv.	311,136	29,407	313,001	176,376	9,086
Magnesite and magnesite-chrome (magnesite predominating) brick and shapes	do.	21,992	9,507	22,461	21,549	6,403
Chrome and chrome-magnesite (chrome predominating) brick and shapes	do.	38,838	13,822	38,762		
Graphite and other carbon crucibles and retorts	Ton	10,466	4,653	10,449	4,976	1,667
Other graphite and carbon refractories	do.	2,793	1,116	2,874	1,111	379
High-temperature bonding mortars	do.	47,584	4,011	48,415		
Plastic refractories (including wet and dry ramming mixtures)	do.	60,671	3,848	61,181	72,216	2,523
Dead-burned magnesia and magnesite	do.	294,741	9,134	293,535		
Other nonclay brick and shapes (including silicon carbide, fused alumina, fused magnesia, mullite, kyanite, sillimanite, zirconia, forsterite, etc.)			12,802			¹⁶ 5,322
Other nonclay refractory materials sold in lump or ground form (including ground silica and nonclay cast and castables)			5,015			
Statuary and art goods (factory production)			9,272			¹⁸ 3,440

See footnotes at end of table.

PRODUCT	Unit of measure	1947			1939
		Shipments and interplant transfers			Production
		In designated units	In tons	Value f.o.b. plant	Value f.o.b. plant
Exfoliated vermiculite, total				\$6,482	\$325
Building insulation.....	M cu. ft.	26,237	88,341	5,089	
Loose fill.....	do	14,686	47,398	2,940	
Aggregate.....	do	11,376	40,174	2,092	
Acoustical.....	do	175	769	57	325
Industrial insulation.....	do	359	3,112	296	
Other exfoliated vermiculite products.....				1,097	
Sheet mica products, except radio parts.....				30,247	n.a.
Miscellaneous nonmetallic mineral products, n.e.c., total				6,292	n.a.
Magnesite floor composition.....				1,668	665
Stucco.....				2,413	n.a.
Other nonmetallic mineral products, n.e.c., including sapphire boule.....				2,211	n.a.

n.a.—Not available.
^d Withheld to avoid disclosing figures for individual companies.
¹ Probably represents production for sale only.
² Probably included, in part, under "Abrasive cloth" and "Abrasive paper," and in part under "Other nonmetallic abrasive products."
³ Represents "Oilstones, scythestones, whetstones, hones, and other rubbing stones" only.
⁴ Represents "Masking tape" and "Artificial abrasive sticks, stones, and bricks," and miscellaneous abrasive products for which figures are not shown separately.
⁵ Figures for "Siding shingles and clapboard" and "Flat sheets and wallboard" are included with asbestos flexible roofing under "Other asbestos-cement products."
 Asbestos conduits and ducts are included with "Other asbestos products."
⁶ "Carded fibre" and "Wick and rope" are included under "Other asbestos textiles." See also footnote 1.
⁷ For 1939, the following figures were tabulated for brake linings: "Brake lining, not molded," 28,570,000 feet, valued at \$6,051,000; "Molded asbestos brake lining," 32,243,000 feet, valued at \$5,265,000 and "Brake lining, quantity or kind not reported," valued at \$3,061,000.
⁸ Quantity figures were partly estimated.
⁹ Included under "Other asbestos products."
¹⁰ Represents asbestos dryer felts, fabricated asbestos paper products, stove mats and table pads, asbestos insulating cement, asbestos gloves, and miscellaneous asbestos products, except asbestos paper, gaskets, packing, and insulations.
¹¹ Represents asbestos conduits and ducts, molded clutch facings, paper, table mats and protectors, asbestos insulating cement, 85 percent magnesia cement, and high-temperature cements.
¹² Figures for establishments producing asbestos paper are not included in the totals for the Asbestos Products Industry; asbestos paper is classified in the Building-Paper and Building-Board Mills Industry and the figures for asbestos paper are included in the totals for that industry. In 1947, the 11 establishments making asbestos paper had 1,479 employees, paid \$3,843,000 for salaries and wages, and shipped products value at \$23,960,000.
¹³ Excludes indeterminate amounts for rubber gaskets made in the "Rubber products, n.e.c." industry (see footnote 15), nonferrous metal gaskets made in the "Non-ferrous metal products, n.e.c." industry, and felt gaskets made in the "Felt goods, wool, hair, and jute" industry.
¹⁴ Figures for establishments primarily engaged in producing rubber, leather, and metal packing are not included in the totals for the Gaskets and Asbestos Insulations Industry; rubber packing is classified in the Rubber Industries, N.E.C., Industry, leather packing in the Industrial Leather Belting and Packing Industry, metal packing in the Machine Shops (Jobbing and repair) Industry, and the figures for such packings are included in the totals for those industries.
¹⁵ Represents: "Rubber packing," 13,483,000 pounds, valued at \$2,955,000, and rubber "washers, gaskets, valves, pump sleeves, and liner strips," 18,787,000 pounds, valued at \$7,137,000.
¹⁶ The 1939 data for these items have been retabulated for comparability with 1947 statistics.
¹⁷ Represents total value of products of the Minerals: Ground or Treated Industry in 1939.
¹⁸ Represents total value of products of the Statuary and Art Goods Industry in 1939.

Chapter XIV—PRIMARY METALS

BLAST FURNACE, STEEL MILL AND IRON AND STEEL FOUNDRY PRODUCTS

TABLE A.—SHIPMENTS OF BLAST FURNACE PRODUCTS IN THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	1947		1939	
	Quantity	Value	Quantity	Value
Total		\$1,708,313		\$543,800
Pig iron (including pig iron with silicon content up to and including 6 percent silicon), total.....	58,339,942	1,551,397	34,711,800	492,672
For sale.....	8,094,413	251,982	¹ 4,660,123	¹ 87,915
For interplant transfer.....	50,245,529	1,299,415	¹ 30,640,143	¹ 433,293
Blast furnace ferro-alloys and other additives, total.....	986,647	85,884	588,466	28,536
For sale.....	691,528	49,867	(?)	(?)
For interplant transfer.....	295,119	36,017	(?)	(?)
Blast furnace gas (coal equivalent), total.....	10,072,830	52,925	6,817,285	21,088
For sale.....	233,943	1,503	6,817,285	21,088
For interplant transfer.....	9,838,887	51,422		
Slag, total.....	15,537,008	7,586	n.a.	1,504
For sale.....	13,965,774	6,732	n.a.	1,504
For interplant transfer.....	1,571,234	854		
Sintered ore and flue dust, total.....	2,806,522	10,521	n.a.	n.a.
For sale.....	626,917	1,031		
For interplant transfer.....	2,179,605	9,490		

n.a.—Not available.

¹ Includes shipments of blast furnace ferro-alloys.

² Included with shipments of pig iron.

TABLE B.—PIG IRON SHIPPED FROM BLAST FURNACES IN THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars; quantity figures in short tons]

GRADE	1947		1939	
	Quantity	Value ¹	Quantity	Value ¹
Total	58,367,510	\$1,770,659	35,942,463	\$626,825
Charcoal.....			64,711	1,405
Foundry.....			2,414,579	40,820
Basic.....	3,156,157	95,147	2,386,348	448,264
Bessemer.....	44,947,995	1,356,926	209,790	98,823
Low-phosphorus.....	6,850,065	209,790	5,172,653	6,839
Malleable.....	361,806	12,607	329,589	27,776
All other (not ferro-alloys).....	2,787,901	88,359	1,438,583	2,898
	263,586	7,828	136,000	

SOURCE: Bureau of Mines of the Department of the Interior.

¹ Value of pig iron shipped differs appreciably from the value shown in table 6-A, in that commercial values are reported by the Bureau of Mines. See text on Blast Furnaces for statement on Census valuation of pig iron.

TABLE C.—FERRO-ALLOYS PRODUCED AND SHIPPED FROM FURNACES IN THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars; quantity figures in short tons. The quantity figures represent the gross weight of the ferro-alloys. The data below include production and shipments from blast furnaces, electric furnaces, and all other types of furnaces]

ALLOY	1947			1939		
	Production (quantity)	Shipments		Production (quantity)	Shipments	
		Quantity	Value		Quantity	Value
Total	1,813,783	1,841,682	\$220,022	823,392	942,101	\$76,157
Ferromanganese.....	614,626	614,647	79,973	302,524	332,226	24,137
Spiegeleisen.....	134,329	124,517	4,980	102,470	94,908	2,484
Ferrosilicon.....	769,653	766,316	53,271	313,560	385,081	16,850
Ferrophosphorus.....	33,072	81,169	2,016	17,321	14,918	898
Ferrotungsten.....	2,094	2,101	6,677	1,776	1,802	4,846
Ferrotitanium.....	7,681	8,189				
Ferrovandium.....						
Ferromolybdenum.....						
Molybdic oxide.....	13,195	13,142	73,104	85,741	113,166	26,940
Calcium molybdate and compounds.....						
Other varieties.....	239,133	231,601				
Ferroalloys reported to the Census.....	n.a.	1,877,857	\$25,998	877,649	1,877,649	1,68,738

SOURCE: Bureau of Mines of the Department of the Interior.

n.a.—Not available.

¹ Census data for 1939 represent production; 1939 data on shipments not available.

TABLE D.—STEEL MILL PRODUCTS—PRODUCED, SHIPPED, TRANSFERRED, AND CONSUMED BY STEEL WORKS AND ROLLING MILLS, INDEPENDENT PIPE MILLS, AND WIRE DRAWING AND COLD ROLLING AND FINISHING ESTABLISHMENTS: 1947

[Tonnage figures shown in italics in "Shipments to other companies" include the quantities transferred to other plants of the same company as well as those shipped to other companies. The tonnage of each of these items transferred is a negligible part of the total, except for alloy steel mechanical tubing]

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Receipts (quantity)	Production (quantity)	Products consumed in this plant			Total shipments and interplant transfers		
			In the manu- facture of other steel basic shapes and forms (quantity)	In the manu- facture of fabricated products (quantity)	For mainte- nance, repair, and operating supplies (quantity)	Shipments to other companies		Transfers to other plants of the same company (quantity)
						Quantity	Value f.o.b. plant	
CARBON STEEL								
Ingot	1,994,833	77,244,331	76,828,386	37,460	12,966	1,178,805	\$66,009	1,120,466
Semifinished shapes and forms:								
Blooms, billets, slabs, sheet bars, and tinplate bars	13,055,654	55,456,669	54,347,661	121,620	54,929	4,054,951	200,535	9,869,575
Tube rounds	1,107,835	2,671,942	2,685,483		1,049	259,848	16,689	661,111
Skelp	1,427,483	3,350,686	3,753,096		2,381	568,336	28,108	405,162
Wire rods	574,983	5,361,660	4,229,861		2,896	981,639	71,943	658,405
Finished shapes and forms:								
Plates:								
Floor plates	416	229,179		8	934	<i>226,268</i>	19,181	(1)
Plates, other than floor plates	44,432	6,213,516	16,010	108,504	61,037	5,342,427	347,138	700,901
Sheets and strip:								
Sheets:								
Hot rolled	1,719,669	8,367,015	1,319,834	49,806	16,658	6,749,814	448,221	1,806,868
Cold rolled	625,057	5,913,391	605,467	8,610	9,824	4,878,723	376,838	982,744
Galvanized	3,777	1,501,761	33	65,623	2,721	1,325,794	136,938	118,280
Electrical and enameling		398,755			412	<i>393,057</i>	35,217	(1)
Long ternes		148,678				<i>148,863</i>	14,916	(1)
Strip:								
Hot rolled	906,849	2,240,343	912,003	8,747	10,465	2,015,685	165,101	193,955
Cold rolled	140,562	1,578,800	136,346	45,127	700	1,400,248	175,890	103,441
Galvanized	32	62,019		4,572	90	<i>57,461</i>	9,463	(1)
Tin mill products:								
Black plate:								
Chemically treated	8,399	27,312				<i>59,044</i>	3,796	(1)
Except chemically treated	173,579	980,140	152,095		3,791	740,209	60,153	264,350
Tin plate:								
Hot dipped	207	1,894,896	435		233	1,900,411	226,330	2,471
Electrolytic	1,931	1,791,216			102	1,678,900	167,318	99,723
Terne plate (short ternes)		100,449				<i>99,280</i>	10,025	(1)
Structural shapes and piling	54,825	5,075,193	58,175	23,987	28,242	4,191,792	246,464	808,205
Bars:								
Hot rolled bars, except concrete reinforcing	1,150,642	7,267,973	1,139,634	445,882	43,618	5,890,995	404,975	862,364
Concrete reinforcing bars:								
Rolled from new billets	4,831	1,277,318		156,804	6,451	1,040,071	68,892	81,707
Rolled from old materials (rails, axles, etc.)	444	255,756			524	<i>256,743</i>	20,664	(1)
Cold finished bars	7,668	1,384,148	3,787	4,355	549	1,327,919	140,813	33,448
Tool steel bars	834	21,410	118	14	121	20,031	7,449	1,588
Rails, wheels, and track accessories:								
Rails:								
Standard tee (over 60 lb. per yard)	3,775	2,233,770	1,758	12,404	7,337	2,175,265	119,876	37,781
Light tee (60 lb. per yard and under)	64	194,222		5,014	315	181,185	12,626	10,565
All other (girder, guard, etc.)		30,780		903	129	29,383	2,505	2,263
Rail joints and tie plates	2,697	760,827		3,450	1,019	747,750	49,373	11,837
Wheels, rolled (including tires and rims)	148	411,963	591	12	1,706	388,944	47,614	26,822
Pipe and tubes:								
Standard pipe	17,504	2,361,126	1,419	30	10,938	2,242,945	202,385	119,604
Line pipe	4,367	1,502,882			121	1,491,299	129,104	21,669
Oil country goods	9,665	1,169,982		598	111	<i>1,190,310</i>	122,789	(1)
Pressure tubing	651	344,361	552		168	<i>352,311</i>	62,031	(1)
Mechanical tubing	16,143	555,996	15,359	1,300	490	541,159	94,045	5,203
Miscellaneous	61,470	211,892	8,216	1,285	74	195,016	27,955	59,638
Steel pipe and tubes, not reported by kind: ²								
Welded steel pipe	n.a.	158,666		n.a.	n.a.	158,666	32,380	
Heavy riveted steel pipe	n.a.	1,357		n.a.	n.a.	1,357	408	
Welded steel tubing	n.a.	22,668		n.a.	n.a.	22,668	8,244	
Wire:								
Plain wire	81,259	3,271,927	102,073	1,327,308	6,492	1,732,083	197,930	³ 206,932
Galvanized wire	2,452	1,054,033	9,528	723,645	1,783	327,266	44,143	³ 51,149
Other coated wire	136	117,757		25,468	291	84,634	15,994	³ 5,324
Other rolled and drawn carbon steel products (axles, track spikes and bolts, etc.)	3,630	406,110	3,980		1,296	296,356	30,339	49,980

See footnotes at end of table.

TABLE D.—STEEL MILL PRODUCTS—PRODUCED, SHIPPED, TRANSFERRED, AND CONSUMED BY STEEL WORKS AND ROLLING MILLS, INDEPENDENT PIPE MILLS, AND WIRE DRAWING AND COLD ROLLING AND FINISHING ESTABLISHMENTS: 1947—Continued

PRODUCT	Receipts (quantity)	Production (quantity)	Products consumed in this plant			Total shipments and interplant transfers		
			In the manu- facture of other steel basic shapes and forms (quantity)	In the manu- facture of fabricated products (quantity)	For mainte- nance, repair, and operating supplies (quantity)	Shipments to other companies		Transfers to other plants of the same company (quantity)
						Quantity	Value f.o.b. plant	
ALLOY STEEL (EXCEPT STAINLESS)								
Ingots.....	45,120	6,737,548	6,602,252	66,268	3,097	23,949	\$2,184	56,322
Semifinished shapes and forms:								
Blooms, billets, slabs, sheet bars, and skelp.....	997,031	4,700,130	4,510,954	71,387	2,969	283,680	25,023	852,682
Tube rounds.....	277,391	440,692	425,924		114	40,849	4,561	257,289
Finished shapes and forms:								
Plates.....	1,317	182,047	9,663	7,925	1,390	166,193	20,493	7,439
Sheets and strip:								
Sheets:								
Hot rolled.....	162,407	672,983	154,727	3,000	119	491,637	63,954	179,627
Cold rolled.....	16,418	226,443	15,033		231	208,661	23,395	16,494
Electrical and enameling.....	8,194	310,327			7	315,225	45,458	(1)
Strip:								
Hot rolled.....	71,981	71,024	72,333		15	53,842	6,235	16,757
Cold rolled.....	5,644	103,252	5,549			89,593	19,427	10,482
Bars:								
Hot rolled.....	154,007	2,032,651	137,410	24,018	1,891	1,790,108	180,351	208,892
Cold finished.....	1,343	239,111	635	265	230	217,644	38,958	18,266
Tool steel bars:								
High speed.....	255	18,506		367	86	17,295	21,942	1,073
Other than high speed.....	847	45,301		190	194	43,808	27,534	2,485
Pipe and tubes:								
Oil country goods.....	223	229,364			29	232,232	29,398	(1)
Pressure tubing.....		26,906			3	27,260	9,290	(1)
Mechanical tubing.....	20,115	175,080	13,932		50	181,002	27,321	(1)
Miscellaneous (including standard and line).....	5	23,090				8,400	2,450	11,707
Wire.....	1,024	72,534	1,426	12,707		46,407	14,573	37,694
Other rolled and drawn alloy steel products (structural steel, etc.).....	289	80,151	1,318	10,419	215	65,279	5,890	2,992
STAINLESS STEEL								
Ingots.....	92,516	541,628	535,637	2,363		14,942	3,268	78,983
Semifinished shapes and forms (blooms, billets, slabs, sheet bars, tube rounds, and wire rods).....	264,421	428,941	442,684	1,000	466	51,262	16,104	205,781
Finished shapes and forms:								
Plates.....	16,274	34,056	15,939	148	375	16,730	14,705	15,717
Sheets and strip:								
Sheets:								
Hot rolled.....	81,654	127,552	80,937		29	59,701	44,006	65,778
Cold rolled.....	4,921	71,779	4,168		40	70,741	58,347	647
Strip:								
Hot rolled.....	10,102	10,430	10,010			9,835	4,271	199
Cold rolled.....	1,844	110,228	1,786	188	509	103,744	71,314	3,028
Bars:								
Hot rolled.....	4,498	29,249	4,570	280	125	23,491	14,964	4,730
Cold finished.....	25	23,364			13	22,483	16,933	580
Pipe and tubes:								
Pressure tubing.....		7,082			2	6,701	10,114	(1)
Mechanical tubing.....	348	8,866	345		5	8,813	16,349	
Wire.....	1,009	11,577	451	854	11	11,018	10,948	3472
Other rolled and drawn stainless steel products.....	39	1,000				150	326	864
WROUGHT IRON								
Wrought iron products.....	n.a.	n.a.	n.a.	n.a.	n.a.	128,643	22,191	n.a.

n.a.—Not available.

¹ Included in "Shipments to other companies."

² Includes a small quantity of alloy and stainless steel pipe and tubes.

³ Includes a small quantity of wire drawn on a toll basis.

PRIMARY METAL

TABLE E.—STEEL MILL PRODUCTS—TOTAL SHIPMENTS AND INTERPLANT TRANSFERS: 1947 AND 1939

[Figures shown in italics in "Shipments to other companies" include transfers to other plants of the same company as well as those shipped to other companies]

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	1947			1939			
	Shipments to other companies		Interplant transfers	Shipments to other companies		Interplant transfers	
	Quantity	Value f.o.b. plant	Quantity	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Ingots	1,217,696	\$71,461	1,255,771	135,056	\$6,257	325,422	\$7,725
Carbon steel.....	1,178,805	66,009	1,120,466	n.a.	n.a.	n.a.	n.a.
Alloy steel.....	23,949	2,184	56,322	n.a.	n.a.	n.a.	n.a.
Stainless steel.....	14,942	3,268	78,983	n.a.	n.a.	n.a.	n.a.
Semifinished shapes and forms	6,240,565	362,963	12,910,005	5,091,037	172,620	7,529,639	198,681
Carbon steel blooms, billets, slabs, sheet bars, and tin plate bars.....	4,054,951	209,535	9,869,575	n.a.	n.a.	n.a.	n.a.
Carbon steel tube rounds.....	259,848	16,689	661,111	n.a.	n.a.	n.a.	n.a.
Carbon steel skelp.....	568,336	28,108	405,162	n.a.	n.a.	n.a.	n.a.
Carbon steel wire rods.....	981,639	71,943	658,405	n.a.	n.a.	n.a.	n.a.
Alloy steel blooms, billets, slabs, sheet bars, and skelp.....	283,680	25,023	852,682	n.a.	n.a.	n.a.	n.a.
Alloy steel tube rounds.....	40,849	4,561	257,289	n.a.	n.a.	n.a.	n.a.
Stainless steel blooms, billets, slabs, sheet bars, tube rounds, and wire rods.....	51,262	16,104	205,781	n.a.	n.a.	n.a.	n.a.
Finished shapes and forms:							
Plates	5,751,618	401,967	1,724,057	1,324,066	164,531	(?)	(?)
Carbon steel floor plates.....	226,268	19,181	(?)	n.a.	n.a.	n.a.	n.a.
Other carbon steel plates.....	5,342,427	347,138	700,901	n.a.	n.a.	n.a.	n.a.
Alloy steel plates.....	166,193	20,943	7,439	n.a.	n.a.	n.a.	n.a.
Stainless steel plates.....	16,730	14,705	15,717	n.a.	n.a.	n.a.	n.a.
Hot rolled sheets and strip	11,620,408	973,780	12,381,464	7,693,064	406,388	11,445,405	147,104
Sheets:							
Carbon steel.....	6,749,814	448,221	1,806,868	4,612,207	215,278	1,291,541	38,737
Alloy steel.....	491,637	63,954	179,627	(?)	(?)	(?)	(?)
Stainless steel.....	69,701	44,006	65,778	(?)	(?)	(?)	(?)
Galvanized.....	1,325,794	136,938	118,280	1,019,476	111,832	(?)	(?)
Electrical and enameling:							
Carbon steel.....	393,051	35,217	(?)	(?)	(?)	(?)	(?)
Alloy steel.....	315,285	45,458	(?)	(?)	(?)	(?)	(?)
Long ternes.....	148,363	14,916	(?)	(?)	(?)	(?)	(?)
Strip:							
Carbon steel.....	2,015,685	165,101	193,955	1,424,898	65,981	153,864	8,367
Alloy steel.....	63,842	6,235	16,757	(?)	(?)	(?)	(?)
Stainless steel.....	9,835	4,271	199	36,483	13,297	(?)	(?)
Galvanized.....	67,461	9,463	(?)	(?)	(?)	(?)	(?)
Cold rolled sheets and strip	6,751,710	725,211	1,116,836	3,524,814	209,642	(?)	(?)
Sheets:							
Carbon steel.....	4,878,723	376,838	982,744	2,767,526	137,285	(?)	(?)
Alloy steel.....	208,681	23,395	16,494	(?)	(?)	(?)	(?)
Stainless steel.....	70,741	58,347	647	(?)	(?)	(?)	(?)
Strip:							
Carbon steel.....	1,400,248	175,890	103,441	767,288	72,357	(?)	(?)
Alloy steel.....	89,593	19,427	10,482	(?)	(?)	(?)	(?)
Stainless steel.....	103,744	71,314	3,028	(?)	(?)	(?)	(?)
Tin and terneplate and black plate	4,457,844	467,622	1,366,544	3,338,076	288,855	1,495,144	118,001
Black plate:							
Chemically treated.....	39,044	3,796	(?)	482,413	29,193	495,144	18,001
Except chemically treated.....	740,209	60,153	264,350	(?)	(?)	(?)	(?)
Tin plate:							
Hot dipped.....	1,900,411	226,330	2,471	2,560,721	255,946	(?)	(?)
Electrolytic.....	1,678,900	167,318	99,723	294,942	23,716	(?)	(?)
Terneplate (short ternes).....	89,280	10,025	(?)	(?)	(?)	(?)	(?)
Hot rolled bars	9,082,602	746,771	1,162,839	4,810,339	261,963	1,715,438	135,435
Hot rolled bars, except concrete reinforcing:							
Carbon steel.....	5,890,995	404,975	862,364	2,809,554	133,598	7,603,941	726,958
Alloy steel.....	1,790,108	180,351	208,892	752,637	73,176	111,497	8,477
Stainless steel.....	23,491	14,964	4,730	22,759	10,528	(?)	(?)
Concrete reinforcing bars:							
Rolled from new billets.....	1,040,071	68,892	81,707	1,225,409	44,661	(?)	(?)
Rolled from old materials (rails, axles, etc.).....	256,743	20,664	(?)	(?)	(?)	(?)	(?)
Tool steel bars:							
Carbon steel.....	20,031	7,449	1,588	(?)	(?)	(?)	(?)
Alloy steel:							
High speed.....	17,295	21,942	1,073	(?)	(?)	(?)	(?)
Other than high speed.....	43,868	27,534	2,485	(?)	(?)	(?)	(?)
Cold finished bars	1,568,046	196,704	52,294	692,847	62,456	(?)	(?)
Carbon steel.....	1,327,919	140,813	33,448	n.a.	n.a.	n.a.	n.a.
Alloy steel.....	217,644	38,958	18,266	n.a.	n.a.	n.a.	n.a.
Stainless steel.....	22,483	16,933	580	n.a.	n.a.	n.a.	n.a.

See footnotes at end of table.

TABLE E.—STEEL MILL PRODUCTS—TOTAL SHIPMENTS AND INTERPLANT TRANSFERS: 1947 AND 1939—Continued

PRODUCT	1947			1939			
	Shipments to other companies		Interplant transfers	Shipments to other companies		Interplant transfers	
	Quantity	Value f.o.b. plant		Quantity	Quantity	Value f.o.b. plant	Quantity
Finished shapes and forms—Continued							
Pipe and tubes	6,646,139	\$774,263	1,217,821	10,886,513	\$321,814	(?)	(?)
Standard pipe, carbon steel.....	2,242,945	202,385	119,604				
Line pipe, carbon steel.....	1,491,299	129,104	21,669				
Oil country goods:							
Carbon steel.....	1,190,810	122,789	(?)				
Alloy steel.....	232,252	29,398	(?)				
Pressure tubing:							
Carbon steel.....	338,811	62,031	(?)	n.a.	n.a.	n.a.	n.a.
Alloy steel.....	27,260	9,290	(?)				
Stainless steel.....	6,701	10,114	(?)				
Mechanical tubing:							
Carbon steel.....	541,159	94,045	5,203				
Alloy steel.....	181,002	27,321	(?)				
Stainless steel.....	8,813	16,349					
Miscellaneous pipe and tubes:							
Carbon steel.....	195,016	27,955	59,638				
Alloy steel (including standard and line)	8,400	2,450	11,707				
Steel pipe and tubes, not reported by kind:							
Welded steel pipe.....	158,666	32,380					
Heavy riveted steel pipe.....	1,357	408					
Welded steel tubing.....	22,668	8,244					
Wire	2,201,408	283,588	11,271,571	12,183,052	96,706	192,210	\$14,081
Carbon steel plain wire.....	1,732,083	197,930	11,206,932				
Carbon steel galvanized wire.....	327,266	44,143	11,51,149				
Carbon steel other coated wire.....	84,634	15,994	11,5,324	n.a.	n.a.	n.a.	n.a.
Alloy wire.....	46,407	14,573	11,7,694				
Stainless steel wire.....	11,018	10,948	11,472				
All other steel mill products	8,204,747	537,204	13,951,310	n.a.	n.a.	n.a.	n.a.
Structural shapes and piling.....	4,191,792	246,464	808,205	3,140,866	131,578	(?)	(?)
Rails, wheels, and track accessories:							
Rails:							
Standard tee (over 60 lb. per yard).....	2,175,265	119,876	37,781				
Light tee (60 lb. per yd. and under).....	181,185	12,628	10,565	1,316,272	48,162	(?)	(?)
All other (girder, guard, etc.).....	29,383	2,505	2,263				
Rail joints and tie plates.....	747,750	49,373	11,837	517,420	25,159	(?)	(?)
Wheels, rolled (including tires and rims).....	388,944	47,614	26,823	159,484	13,129	(?)	(?)
Other rolled and drawn steel products:							
Carbon steel.....	296,356	30,339	49,980	n.a.	n.a.	n.a.	n.a.
Alloy steel.....	65,279	5,890	2,992	n.a.	n.a.	n.a.	n.a.
Stainless steel.....	150	326	864	n.a.	n.a.	n.a.	n.a.
Wrought iron products.....	128,643	22,191	n.a.	n.a.	n.a.	n.a.	n.a.

NOTE: Values of interplant transfers for individual items are not available; however, interplant transfers by product classes are as follows: Ingots, \$113,721,000; semifinished shapes and forms, \$627,928,000; plates, \$50,974,000; hot rolled sheets and strip, \$200,501,000; cold rolled sheets and strip, \$45,911,000; tin and terneplate and black plate, \$31,431,000; hot rolled bars, \$86,260,000; cold finished bars, \$3,574,000; pipe and tubes, \$49,261,000; wire, \$26,234,000; all other steel mill products, \$33,788. See table 5 for total shipments by product class.

n.a.—Not available.

¹ Does not include the interplant transfers of the items indicated by footnote ². For 1947, the tonnage of these interplant transfers is included with shipments to other companies, but the value of these transfers is not included with the value of shipments to other companies. For 1939, both quantity and value of interplant transfers are included with shipments to other companies.

² Included in shipments to other companies.

³ Includes interplant transfers and a small quantity of stainless steel sheets.

⁴ Included with steel plates.

⁵ Electrical and enameling sheets are included with carbon and alloy steel sheets; long ternes are included with terneplates (short ternes).

⁶ Included in galvanized sheets.

⁷ Includes bolt and nut rods and chain and spike rods.

⁸ Includes a small quantity of stainless steel rods.

⁹ Included in hot rolled bars.

¹⁰ Does not include a small quantity of mechanical tubing valued at \$3,725,382.

¹¹ Includes a small quantity of wire produced on a toll basis for other companies.

¹² Includes 21,917 tons of cold rolled wire made from drawn wire valued at \$3,164,491 for sale and interplant transfer.

¹³ Does not include interplant transfers of wrought iron products.

TABLE F.—NET SHIPMENTS OUT OF STEEL WORKS AND ROLLING MILLS AND INDEPENDENT PIPE MILLS, COLD ROLLING AND DRAWING ESTABLISHMENTS, AND WIRE DRAWING ESTABLISHMENTS: 1947

[The tonnage figures have been derived by subtracting the steel mills' receipts of each steel mill shape from the total of their shipments, transfers to other plants, consumption for use in the production of manufactured products, and consumption as maintenance, repair, and operating supplies in the steel mill. The term "steel mill" as used here, includes independent pipe mills, cold rolling and drawing establishments, and wire drawing establishments, in addition to steel works and rolling mills. Net shipment figures include wire produced on a toll basis]

[All figures in short tons]

PRODUCT	Net shipments	PRODUCT	Net shipments
Total	63,366,149		
CARBON STEEL		ALLOY STEEL (EXCEPT STAINLESS)	
Ingots.....	354,864	Ingots.....	104,516
Semifinished shapes and forms.....	1,150,631	Semifinished shapes and forms.....	234,548
Finished shapes and forms:		Finished shapes and forms:	
Plates:		Plates.....	181,630
Floor plates.....	226,794	Sheets and strip:	
Plates, other than floor plates.....	6,184,447	Sheets:	
Sheets and strip:		Hot rolled.....	511,876
Sheets:		Cold rolled.....	208,968
Hot rolled.....	6,903,477	Electrical and enameling.....	307,038
Cold rolled.....	5,254,844	Strip:	
Galvanized.....	1,508,641	Hot rolled.....	(1) 94,431
Electrical and enameling.....	393,463	Cold rolled.....	
Long ternes.....	148,363	Bars:	
Strip:		Hot rolled.....	1,870,902
Hot rolled.....	1,322,003	Cold finished.....	235,062
Cold rolled.....	1,408,654	Tool steel bars:	
Galvanized.....	62,091	High speed.....	18,566
Tin mill products:		Other than high speed.....	45,890
Black plate:		Pipe and tubes:	
Chemically treated.....	30,645	Oil country goods.....	232,038
Except chemically treated.....	834,771	Pressure tubing.....	27,263
Tin plate:		Mechanical tubing.....	160,937
Hot dipped.....	1,902,908	Miscellaneous (including standard and line).....	20,102
Electrolytic.....	1,776,794	Wire.....	65,784
Terneplate (short ternes).....	99,280	Other rolled and drawn alloy steel products (structural steel, etc.).....	78,616
Structural shapes and piling.....	4,997,401		
Bars:		STAINLESS STEEL	
Hot rolled bars, except concrete reinforcing.....	6,092,217	Ingots.....	3,772
Concrete reinforcing bars:		Semifinished shapes and forms.....	(1)
Rolled from new billets.....	1,280,202	Finished shapes and forms:	
Rolled from old materials (rails, axles, etc.).....	256,823	Plates.....	16,696
Cold finished bars.....	1,358,603	Sheets and strip:	
Tool steel bars.....	20,920	Sheets:	
Rails, wheels, and track accessories:		Hot rolled.....	43,854
Rails:		Cold rolled.....	66,607
Standard tee (over 60 lb. per yd.).....	2,229,012	Strip:	
Light tee (60 lb. per yd. and under).....	197,015	Hot rolled.....	(1) 105,625
All other (girder, guard, etc.).....	32,678	Cold rolled.....	
Rail joints and tie plates.....	761,359	Bars:	
Wheels, rolled (including tires and rims).....	417,337	Hot rolled.....	24,128
Pipe and tubes:		Cold finished.....	23,051
Standard pipe.....	2,356,013	Pipe and tubes:	
Line pipe.....	1,508,722	Pressure tubing.....	6,703
Oil country goods.....	1,181,454	Mechanical tubing.....	8,470
Pressure tubing.....	337,828	Wire.....	11,346
Mechanical tubing.....	532,009	Other rolled and drawn stainless steel products.....	975
Miscellaneous.....	194,543		
Steel pipe and tubes, not reported by kind: ¹		WROUGHT IRON PRODUCTS	
Welded steel pipe.....	158,666	Wrought iron products.....	128,643
Heavy riveted steel pipe.....	1,357		
Welded steel tubing.....	22,668		
Wire:			
Plain wire.....	3,191,556		
Galvanized wire.....	1,101,391		
Other coated wire.....	115,581		
Other rolled and drawn carbon steel products (axles, track spikes and bolts, etc.).....	344,002		

¹ Net shipments amount to zero for all practical purposes for some products. Due to material in transit, this results in negative figures for a few items. Negative figures have been replaced by footnote ¹ where these occur, but they have been subtracted from the total net shipments. A few individual types of carbon steel semifinished products also resulted in negative figures, although net shipments were positive for carbon steel semifinished products as a whole.

² Includes a small quantity of alloy and stainless steel pipe and tubes.

PRIMARY METAL

TABLE J.—QUANTITY AND VALUE OF IRON AND STEEL CASTINGS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	1947						1939			
	Shipments and interplant transfers						Produced and consumed in the same plant (quantity)	Total shipments and interplant transfers		Produced and consumed in the same plant (quantity)
	Total		Interplant transfers		All other shipments			Quantity	Value f.o.b. plant	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant				
Gray-iron castings, total	9,323,615	\$1,228,697	2,401,242	\$257,018	6,922,373	\$971,679	3,537,141	5,274,056	\$370,439	1,848,122
Gray-iron castings, shipped by establishments classified in foundry industries, total.....	7,415,863	1,085,932	1,126,625	191,654	6,289,238	894,278	147,139			
Miscellaneous gray-iron castings.....	4,180,927	843,643	970,428	183,329	3,210,499	660,314	139,791			
Ingot molds and stools for heavy steel ingots.....	369,205	45,813	86,523	4,144	782,682	41,669				
Chilled iron railroad car wheels:										
Made on a conversion basis.....	529,761	15,418	228	7	529,533	15,411				
Made from manufacturer-owned metal.....	222,851	18,491	69,073	4,133	153,778	14,358		n.a.	n.a.	n.a.
Cast iron pipe (including fittings that do not require machining, threading, or assembling):										
Pressure pipe.....	1,035,930	93,677	373	41	1,035,557	93,636	7,348			
Soil pipe.....	577,189	68,890			577,189	68,890				
Malleable-iron castings, total	694,661	178,424	165,541	28,316	529,120	150,108	207,466	427,040	58,898	81,000
Malleable-iron castings, shipped by establishments classified in foundry industries.....	641,951	169,658	148,187	26,561	493,764	143,097	17,249	n.a.	n.a.	n.a.
Steel castings, total	1,413,412	434,081	180,271	36,719	1,233,141	397,362	212,369	1,691,913	129,726	129,807
Steel castings, shipped by establishments classified in foundry industries, total.....	1,237,804	391,090	111,436	30,226	1,126,368	360,864	24,444			
Carbon steel castings:										
Railway specialties.....	324,437	67,240	6,826	1,454	317,611	65,786				
Other carbon steel castings.....	672,224	214,199	95,800	25,512	576,424	188,687	20,230	n.a.	n.a.	n.a.
Alloy steel castings, other than heat, corrosion, and wear resistant:										
Railway specialties.....	19,627	5,180			19,627	5,180				
Other alloy steel castings.....	194,608	72,496	8,498	2,839	186,110	69,657	4,099			
High alloy steel castings (heat, corrosion, and wear resistant).....	26,908	31,975	312	421	26,596	31,554	115			

n.a.—Not available.

¹ Includes 7,104 tons valued at \$6,735,000 of high alloy steel castings (heat, corrosion, and wear resistant) shipped to other companies.

TABLE K.—IRON AND STEEL CASTINGS SHIPPED, TRANSFERRED, AND PRODUCED AND CONSUMED IN THE SAME PLANT: 1947

[All figures in short tons]

PRODUCT	Sold to other companies	Transferred to other plants of the same company	Produced and consumed in the same plant
Gray-iron castings:			
Miscellaneous gray-iron castings.....	3,843,634	2,245,076	2,525,591
Ingot molds and stools for heavy steel ingots.....	782,682	86,523	1,004,171
Chilled iron railroad car wheels:			
Made on a conversion basis.....	529,533	228	
Made from manufacturer-owned metal.....	153,778	69,073	
Cast iron pipe (including fittings that do not require machining, threading, or assembling):			
Pressure pipe.....	1,035,557	373	7,348
Soil pipe.....	577,189		
Malleable iron castings, total	529,120	165,541	207,466
Steel castings:			
Carbon steel castings:			
Railway specialties.....	317,611	6,826	
Other carbon steel castings.....	663,174	137,984	145,423
Alloy steel castings, other than heat, corrosion, and wear resistant:			
Railway specialties.....	19,627		
Other alloy steel castings.....	197,170	13,168	44,585
High alloy steel castings (heat, corrosion, and wear resistant).....	35,559	2,293	22,361

NOTE: The distribution of iron and steel castings between those sold to other companies and those transferred to other plants of the same company or further machined or assembled in the same plant reported in the census varies to some extent from the distribution reported for 1947 in the Bureau of the Census monthly reports on iron and steel castings. This is essentially due to varying interpretations by some companies of the extent of machining and assembling necessary to consider castings as finished products rather than as rough castings. For example, in the monthly reports, sales of cast iron radiators were considered by some companies as shipments for sale of gray-iron castings; in the census, the radiators were considered as finished products, and the castings were reported as further machined and assembled in the same establishment.

CENSUS OF MANUFACTURES: 1947

TABLE L.—PRODUCTION OF IRON AND STEEL CASTINGS, BY TYPE OF CASTING AND FURNACE: 1947¹

[All figures in short tons]

TYPE OF FURNACE	Gray-iron castings	Malleable-iron castings	Steel castings		
			Total	Carbon steel	Alloy steel, including high allo,
Total	12,101,864	920,666	1,625,516	1,280,920	344,596
Cupola.....	10,128,728	163,425	4,210	2,472	1,738
Open hearth:					
Basic.....	700	10,409	431,666	400,769	30,897
Acid.....	558	-----	366,671	281,709	84,962
Electric arc:					
Basic.....	25,803	2,584	271,420	162,251	109,169
Acid.....	23,851	-----	496,803	404,392	92,411
Electric induction.....	2,737	-----	23,755	7,305	16,450
Converter.....	-----	-----	20,298	15,962	4,336
Air furnace (cold melting only).....	136,466	265,503	4,640	7	4,633
Duplex and triplex melting.....	50,605	464,337	5,679	5,679	-----
All other furnaces (specify kind).....	1,732,416	14,408	374	374	-----

¹ The production of castings by type of furnace represents the production by foundries which produced the following percentages of the total castings shipped: gray-iron—94 percent; malleable-iron—99 percent; steel—98 percent.

SMELTING AND REFINING OF NONFERROUS METALS AND ALLOYS

TABLE A.—QUANTITY AND VALUE OF SELECTED NONFERROUS INGOTS, PIGS, ETC., TOTALS FOR THE UNITED STATES: 1947¹

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Unalloyed copper		Copper-base alloys		Unalloyed lead		Lead-base and tin-base alloys	
	Quantity (gross weight)	Value	Quantity (gross weight)	Value	Quantity (gross weight)	Value	Quantity (gross weight)	Value
Total shipments, interplant transfers, and quantity produced and consumed in the manufacture of other products	1,472,879		321,888		2,564,536		490,614	
Shipped by establishments classified as primary smelters and refiners of the specified metal, total.....	1,430,316				2,464,910		(2)	(3)
Shipped to other companies.....	316,940	\$129,197						
Interplant transfers and produced and consumed in the same establishment.....	26,802				2,254,616	\$69,214		
Toll shipments.....	1,086,574				210,294			
Shipped by secondary smelters and refiners, total.....	42,563		318,903		94,929		360,620	
Shipped to other companies.....	23,440	9,269	302,019	\$118,542	54,711	16,666	353,215	\$141,659
Interplant transfers, toll shipments, and produced and consumed in the same establishment.....	18,123		16,884		40,218		7,405	
Shipped by other establishments, total.....			2,985		4,697		4,129,994	
Shipped to other companies.....				855	4,535	1,497	4,123,784	43,010
Interplant transfers, toll shipments, etc. ⁵			1,203		162		4,6,210	

PRODUCT	Unalloyed zinc		Zinc-base alloys		Unalloyed aluminum		Aluminum-base alloys	
	Quantity (gross weight)	Value	Quantity (gross weight)	Value	Quantity (gross weight)	Value	Quantity (gross weight)	Value
Total shipments, interplant transfers, and quantity produced and consumed in the manufacture of other products	871,785		84,925		674,209		478,146	
Shipped by establishments classified as primary smelters and refiners of the specified metal, total.....	822,048				560,838		(2)	(3)
Shipped to other companies.....	580,641	\$124,843			87,066	\$24,031		
Interplant transfers and produced and consumed in the same establishment.....	47,774		(3)	(3)	473,772			
Toll shipments.....	193,633							
Shipped by secondary smelters and refiners, total.....	49,737		78,260		113,371		311,148	
Shipped to other companies.....			76,663	\$21,028	25,961	7,957	204,323	\$60,619
Interplant transfers, toll shipments, and produced and consumed in the same establishment.....	49,737		1,597		87,410		106,826	
Shipped by other establishments, total.....			4,665				4,166,998	
Shipped to other companies.....			4,665	4,820			4,28,637	48,042
Interplant transfers, toll shipments, etc. ⁵							4,138,361	

¹ This table does not include data on the quantity of ingots produced by establishments which also roll, draw, or extrude the ingots; see text on SMELTING AND REFINING OF NONFERROUS METALS AND ALLOYS—Product and materials data on primary and secondary nonferrous metals. There is some duplication between the quantities of unalloyed and alloyed metals reported in that some of the unalloyed metal reported as produced and consumed was consumed in the production of the alloys. In addition some of the shipments and interplant transfers of unalloyed metal were to secondary smelters and refiners for their use in producing alloys. See table 7 for the consumption of metals by secondary smelters and refiners.

² Does not include the quantity produced and consumed by primary smelters and refiners of lead, in the production of antimonial lead. See table 6-B for the total production by primary smelters and refiners of lead.

³ Included in "shipped by other establishments."

⁴ Includes the shipments and amounts produced and consumed by primary smelters and refiners of lead, zinc, and aluminum.

⁵ Also includes the metal produced and consumed in the same plant, except that produced in nonferrous rolling mills.

TABLE B.—QUANTITY AND VALUE OF SELECTED PRODUCTS MADE BY PRIMARY AND SECONDARY SMELTERS AND REFINERS OF NONFERROUS METALS

[Includes the quantities produced by primary and secondary smelters and refiners only; see table G-A for the total shipments of these products]

[Money figures in thousands of dollars; quantity figures in short tons]

INDUSTRY AND PRODUCT	Total production (gross weight)	Shipments to other companies (gross weight)	Interplant transfers (gross weight)	Produced and consumed in the same establishment in the manufacture of other products (gross weight)	Shipments of products made from materials owned by others (Toll Shipments) (gross weight)	Value of shipments to other companies	Value of interplant transfers	Receipts for work done on toll basis
PRIMARY COPPER								
Blister or anode copper.....	1,075,875	319,915	299,576	(2)	459,015	\$128,696	\$100,521	\$17,782
Refined unalloyed copper.....	1,433,330	316,940	26,802	(2)	1,086,574	129,197	7,461	30,119
PRIMARY LEAD								
Lead base bullion.....	486,551	301,623	(3)	(4)	184,553	130,011	(3) --	683
Refined unalloyed lead.....	537,742	254,616	(3)	(4)	210,294	69,214	(3)	2,959
PRIMARY ZINC								
Slab zinc (including remelt).....	829,512	580,641	47,774	(2)	193,633	124,843	10,199	14,842
PRIMARY ALUMINUM								
Refined unalloyed aluminum.....	559,215	87,066	473,772	(2)	-----	24,031	(4)	-----
SECONDARY NONFERROUS METALS								
Unalloyed nonferrous metals:								
Copper.....	41,934	23,440	19,123			9,269		
Lead.....	92,849	54,711	40,218			16,066		
Zinc:								
Slab zinc (except remelt).....	36,243	35,953	(3)			7,843		
Remelt zinc.....	13,549	13,429	355			3,016		
Zinc dust.....	21,653	21,411	83			4,652		
Aluminum.....	115,815	25,961	87,410			7,957		
Nonferrous metal alloys:								
Copper-base alloys.....	323,196	302,019	16,884	(2)	(2)	118,542	(4)	(4)
Lead and tin-base alloys:								
Antimonial lead.....	197,198	192,075	3,921			60,631		
Babbitt metal:								
Lead-base.....	33,987	33,750	542			14,010		
Tin-base.....	3,431	3,120	220			4,244		
Solder.....	59,014	57,578	808			38,648		
Type metal.....	34,647	33,305	781			13,799		
Other lead and tin-base alloys.....	34,274	33,387	1,133			10,627		
Zinc-base alloys.....	77,022	76,663	1,597			21,028		
Aluminum-base alloys.....	315,188	204,323	106,828			60,619		

⁴ Withheld to avoid disclosing figures for individual companies.

¹ The copper content of this quantity and of a small quantity of other smelter products such as matte, speiss, flue dust, etc., also shipped by primary smelters and refiners of copper was 1,015,524 short tons.

² Included with interplant transfers.

³ Included with shipments to other companies.

⁴ Included with shipments of products made from materials owned by others.

⁵ Total shipments and interplant transfers vary from total production by the amount of refined lead produced but sold in the form of antimonial lead, and differences in stocks at the beginning and end of year.

⁶ Includes the value of interplant transfers of a small amount of zinc dust.

⁷ Includes the value of interplant transfers of slab zinc.

NONFERROUS METAL MILL AND FOUNDRY PRODUCTS

TABLE A.—NONFERROUS METAL ROLLED, DRAWN, AND EXTRUDED PRODUCTS SHIPPED, TRANSFERRED, RECEIVED, AND PRODUCED AND CONSUMED BY NONFERROUS METAL MILLS AND WIRE DRAWING ESTABLISHMENTS: 1947

[Figures shown in italics under "Transfers to other plants of the same company" include shipments of products manufactured from materials owned by others or quantities produced and consumed in the same establishment in the production of fabricated products, as specified by footnote ¹ for the item. The tonnage of copper products produced and consumed in the same plant which have been suppressed are negligible. Although the aluminum tonnages are more significant, as a whole they still amount to less than 10 percent of the totals shown in the "Transfers to other plants of the same company" column]

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Receipts (quantity)	Produced and consumed in the same estab- lishment in the production of fabricated products (quantity)	Shipments to other companies		Transfers to other plants of the same company (quantity)	Shipments of products manufactured from materials owned by others (quantity)
			Quantity	Value f.o.b. plant		
Copper and copper-base alloy wire and cable, bare and tinned	17,207	385,566	295,941	\$182,674	175,938	53,762
Unalloyed copper:						
For electrical transmission.....	12,638	379,131	228,493	135,282	164,529	50,962
Other copper wire and cable.....	304	466	11,278	5,897	1,078	(¹)
Copper-base alloys:						
For electrical transmission.....	325	974	11,362	7,842	1,814	(¹)
Other copper-base alloy wire and cable.....	3,940	5,005	44,808	33,653	8,517	2,800
Other copper and copper-base alloy rolled, drawn, and extruded products	508,538	15,214	1,031,200	659,046	250,814	229,555
Unalloyed copper:						
Rod and bar.....	446,318	2,990	189,102	96,185	123,839	161,265
Plate, sheet, and strip.....	3,781		128,361	83,191	11,319	25,758
Pipe and tube.....	27,436		166,667	131,059	16,189	3,054
Copper-base alloys:						
Rod.....	9,279	8,762	172,963	92,648	44,434	16,383
Shapes, drawn and extruded.....	1,462	(¹)	25,387	15,667	5,224	(¹)
Plate, sheet, and strip.....	8,974	3,462	259,348	169,206	44,976	21,681
Pipe and tube.....	11,288		89,372	71,090	6,833	1,414
Aluminum and aluminum-base alloy, plate, sheet, and strip.....	67,582	(¹)	471,544	245,212	162,748	(¹)
Other aluminum and aluminum-base alloy rolled, drawn, and extruded products	13,243	(¹)	94,429	77,299	61,716	(¹)
Rolled structural shapes, rod, bar, and wire.....	11,990	(¹)	37,212	24,246	56,213	(¹)
Extruded shapes, rod, bar, tube blooms, and tubing.....	1,253	(¹)	57,217	53,053	6,503	(¹)
Magnesium and magnesium-base alloy rolled, drawn, and extruded products.....	293		2,240	3,052	384	(¹)
All other nonferrous rolled, drawn, and extruded products.....	n.a.	n.a.		127,935	n.a.	n.a.

n.a.—Not available.

¹ Included with "Transfers to other plants of the same company."

TABLE B.—COPPER AND COPPER-BASE ALLOY ROLLED, DRAWN, AND EXTRUDED PRODUCTS SHIPPED, TRANSFERRED, AND PRODUCED AND CONSUMED IN THE SAME ESTABLISHMENT IN THE PRODUCTION OF FABRICATED PRODUCTS: 1947 AND 1939

[All figures in short tons]

PRODUCT	1947	1939	PRODUCT	1947	1939
Copper and copper-base alloy wire and cable, bare and tinned	911,207	381,666	Other copper and copper-base alloy rolled, drawn, and extruded products—Continued		
Unalloyed copper.....	835,927	336,603		Copper-base alloys:	
Copper-base alloys.....	75,280	45,063	Rod.....	242,542	¹ 135,156
Other copper and copper-base alloy rolled, drawn, and extruded products	1,526,783	842,027	Shapes, drawn and extruded.....	28,811	² 6,357
Unalloyed copper:			Plate, sheet, and strip.....	329,467	221,224
Rod and bar.....	477,196	¹ 204,903	Pipe and tube.....	97,619	93,885
Plate, sheet, and strip.....	165,438	107,707			
Pipe and tube.....	185,910	72,795			

NOTE: The 1939 data for copper-base alloys refer to brass and bronze products only; figures for other copper-base alloys are not included and to this extent the data are not comparable with 1947, but it is not believed that the omissions are serious. The data on shipments, interplant transfers, and produced and consumed in the same plant have been combined since the data are not comparable for each of these measures separately. Some establishments which reported rolling mill and fabricating operations at the same location in 1939 treated each of these operations as separate establishments in 1947. For this reason some of the tonnage reported as produced and consumed in the same establishment in 1939 was considered as interplant transfers in 1947.

¹ Does not include the tonnage of rods reported as produced and consumed in the same establishment in 1939, most of which was consumed in the production of wire, rather than fabricated products.

² Includes extruded shapes only.

TABLE C.—NET SHIPMENTS OF NONFERROUS METAL ROLLED, DRAWN, AND EXTRUDED PRODUCTS: 1947
 [The figures have been derived by subtracting nonferrous metal mill and wire drawing establishments' receipts of each mill shape from the total of the shipments, transfers to other plants of the same company, production on a toll basis, and consumption in the plant in the production of fabricated products]
 [All figures in short tons]

PRODUCT	Net shipments	PRODUCT	Net shipments
Copper and copper-base alloy wire and cable, bare and tinned	894,000	Other copper and copper-base alloy rolled, drawn, and extruded products—Continued	
Unalloyed copper:		Copper-base alloys:	
For electrical transmission.....	810,477	Rod.....	233,263
Other copper wire and cable.....	12,508	Shapes, drawn and extruded.....	27,149
Copper-base alloys:		Plate, sheet, and strip.....	320,493
For electrical transmission.....	13,825	Pipe and tube.....	86,331
Other copper-base alloy wire and cable.....	57,190	Aluminum and aluminum-base alloy plate, sheet, and strip.....	556,710
Other copper and copper-base alloy rolled, drawn, and extruded products	1,018,245	Other aluminum and aluminum-base alloy rolled, drawn, and extruded products	142,902
Unalloyed copper:		Rolled structural shapes, rod, bar and wire.....	80,435
Rod and bar.....	30,878	Extruded shapes, rod, bar, tube blooms, and tubing.....	62,467
Plate, sheet, and strip.....	161,657	Magnesium and magnesium-base alloy rolled, drawn, and extruded products.....	2,331
Pipe and tube.....	158,474		

TABLE D.—NONFERROUS CASTINGS, SHIPPED AND TRANSFERRED: 1947
 [Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Shipments and interplant transfers						Produced and consumed in the same plant (quantity)
	Total		Interplant transfers		All other shipments		
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	
Nonferrous castings, total		\$547,343		\$38,943		\$508,400	
Nonferrous castings produced by establishments classified in all foundry industries, total.....		517,494		37,098		480,396	
Aluminum and aluminum-base alloy castings:							
Sand.....	63,856	78,434	1,798	2,133	62,058	76,301	1,261
Permanent and semipermanent mold.....	46,090	37,532	5,307	4,429	40,783	33,103	7,098
Die.....	41,357	48,884	259	335	41,098	48,549	2,597
Other.....	1,028	1,972	181	258	847	1,714	12
Copper and copper-base alloy castings:							
Permanent and semipermanent mold.....	19,619	8,328	13,616	3,024	6,003	5,304	1,161
Die.....	1,889	2,835			1,889	2,835	0
Sand and other.....	238,220	181,685	27,669	15,703	210,551	165,882	7,746
Magnesium and magnesium-base alloy castings.....	2,974	10,721	(¹)	(¹)	2,974	10,721	
Zinc and zinc-base alloy castings:							
Die.....	152,303	118,026	14,322	9,576	137,981	108,450	613
Other.....	2,178	1,744	(¹)	(¹)	2,178	1,744	
Lead and lead-base alloy die castings.....	2,988	1,993			2,988	1,993	
All other nonferrous metal castings:							
Die.....		227				227	
Other.....		5,642		640		5,002	
Nonferrous castings, not specified by type.....		19,571		1,000		18,571	
Nonferrous castings shipped by establishments classified outside foundry industries, total.....		29,849		1,845		28,004	

¹ Differs from the total shipments of nonferrous castings shown in table 5, in that the latter includes the value of \$20,668,000 of cast aluminum cooking utensils, other than pressure cookers. Part of the tonnage of castings shown as "Produced and consumed in the same plant" went into the production of the aluminum cooking utensils.

² Included with "All other shipments."

TABLE E.—SELECTED NONFERROUS CASTINGS SHIPPED, TRANSFERRED, AND PRODUCED AND CONSUMED IN THE SAME ESTABLISHMENT: 1947
 [All figures in short tons]

PRODUCT	Sold to other companies	Transferred to other plants of the same company	Further machined or assembled into other products in the same plant
Aluminum and aluminum-base alloy castings:			
Sand.....	67,912	3,273	16,768
Permanent and semipermanent mold.....	42,179	5,331	37,389
Die.....	44,614	281	6,641
Other.....	1,290	241	88
Copper and copper-base alloy castings:			
Permanent and semipermanent mold.....	6,184	14,230	7,800
Die.....	3,647		3,860
Sand and other.....	233,418	30,102	193,674
Magnesium and magnesium-base alloy castings.....	4,181	(¹)	(¹)
Zinc and zinc-base alloy castings:			
Die.....	144,049	16,228	50,364
Other.....	4,158	(¹)	(¹)

NOTE: These tonnages do not include the quantity of castings represented by \$19,571,000 (nonferrous castings, not specified by type—see table 6-D), for which neither quantity nor type of nonferrous castings was reported.

¹ Included with "Sold to other companies."

MISCELLANEOUS PRIMARY METALS

TABLE A.—SHIPMENTS OF IRON AND STEEL FORGINGS: 1947¹

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Shipments and interplant transfers					
	Total		Interplant transfers		All other shipments	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Closed die steel forgings:						
Carbon steel.....	772,606	\$185,738	102,054	\$19,205	670,512	\$166,533
Alloy steel, except stainless.....	361,478	105,317	76,298	18,923	289,054	91,714
Stainless steel.....	3,874	5,320				
Open die or smith steel forgings:						
Carbon steel.....	326,720	70,985	49,300	9,899	277,420	61,086
Alloy steel, except stainless.....	156,815	53,387	4,686	2,788	154,776	54,211
Stainless steel.....	2,647	3,612				
Wrought iron forgings.....	5,379	2,251	(d)	(d)	(d)	(d)
Steel forgings, not specified by type.....	n.a.	12,950	n.a.	n.a.	n.a.	n.a.

^d Withheld to avoid disclosing figures for individual companies.

n.a.—Not available.

¹ Comparable 1939 data are not available.

TABLE B.—PRODUCTION, SHIPMENTS, RECEIPTS, AND CONSUMPTION OF WIRE, COLD ROLLED STEEL SHAPES, AND STEEL PIPE AND TUBES: 1947

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Receipts (quantity)	Production (quantity)	Products consumed in this plant—			Total shipments and interplant transfers		
			In the manufacture of other steel basic shapes and forms (quantity)	In the manufacture of fabricated products (quantity)	For maintenance repair and operating supplies (quantity)	Shipments to other companies		Transfers to other plants of same company ¹ (quantity)
						Quantity	Value f.o.b. plant	
Steel wire, total.....	85,880	4,527,828	113,478	2,089,982	8,577	2,201,408	\$283,588	271,571
Carbon steel:								
Plain wire.....	81,259	3,271,927	102,073	1,327,308	6,492	1,732,083	197,930	206,832
Galvanized wire.....	2,452	1,054,033	9,528	723,645	1,783	327,266	44,143	51,149
Other coated wire.....	1,336	117,757	-----	25,468	291	84,634	15,994	6,324
Alloy steel wire.....	1,024	72,534	1,426	12,707	-----	46,407	14,573	7,624
Stainless steel wire.....	1,009	11,577	451	854	11	11,018	10,948	472
Copper and copper-base alloy wire and cable, bare and tinned, total.....	17,207	n.a.	-----	385,566	n.a.	295,941	182,674	175,938
Unalloyed copper:								
For electrical transmission.....	12,638	n.a.	-----	379,131	n.a.	228,493	135,282	164,529
Other copper wire and cable.....	304	n.a.	-----	456	n.a.	11,278	5,897	1,078
Copper-base alloys:								
For electrical transmission.....	325	n.a.	-----	974	n.a.	11,362	7,842	1,814
Other copper-base alloy wire and cable.....	3,940	n.a.	-----	5,005	n.a.	44,808	33,653	8,517
Cold rolled steel sheets, total.....	646,396	6,211,613	624,668	8,610	10,095	5,158,125	458,580	999,885
Carbon steel.....	625,057	5,913,391	605,467	8,610	9,824	4,878,723	376,838	982,744
Alloy steel.....	16,418	226,443	15,033	-----	231	208,661	23,395	16,494
Stainless steel.....	4,921	71,779	4,168	-----	40	70,741	58,347	647
Cold rolled steel strip, total.....	148,050	1,792,280	143,681	45,315	1,209	1,593,585	266,631	116,951
Carbon steel.....	140,562	1,578,800	136,346	45,127	700	1,400,248	175,890	103,441
Alloy steel.....	5,644	103,252	5,549	-----	-----	89,593	19,427	10,482
Stainless steel.....	1,844	110,228	1,786	188	509	103,744	71,314	3,028
Cold finished steel bars, total.....	9,036	1,616,623	4,422	4,620	792	1,568,046	196,704	52,294
Carbon steel.....	7,668	1,354,148	3,787	4,355	549	1,327,919	140,813	33,448
Alloy steel.....	1,343	239,111	635	265	230	217,644	38,958	18,266
Stainless steel.....	25	23,364	-----	-----	13	22,483	16,933	580
Steel pipe and tubes, total.....	130,391	6,799,318	39,823	3,213	11,991	6,646,139	774,263	217,821
Carbon steel:								
Standard pipe.....	17,504	2,361,126	1,419	30	10,938	2,242,945	202,385	119,604
Line pipe.....	4,367	1,502,882	-----	-----	121	1,491,299	129,104	21,669
Oil country goods.....	9,565	1,169,982	-----	598	111	1,190,310	122,789	(2)
Pressure tubing.....	651	344,361	552	-----	168	338,311	62,031	(2)
Mechanical tubing.....	16,143	555,996	15,359	1,300	490	541,159	94,045	5,203
Miscellaneous.....	61,470	211,892	8,216	1,285	74	195,016	27,955	59,638
Steel pipe and tubes, not reported by kind: ³								
Welded steel pipe.....	n.a.	158,666	-----	n.a.	n.a.	158,666	32,330	-----
Heavy-rieveted steel pipe.....	n.a.	1,357	-----	n.a.	n.a.	1,357	408	-----
Welded steel tubing.....	n.a.	22,668	-----	n.a.	n.a.	22,668	8,244	-----
Alloy steel:								
Oil country goods.....	223	229,364	-----	-----	29	232,232	29,398	(2)
Pressure tubing.....	-----	26,906	-----	-----	3	27,260	9,290	(2)
Mechanical tubing.....	20,115	175,080	13,932	-----	50	181,002	27,321	(2)
Miscellaneous (including standard and line).....	5	23,090	-----	-----	-----	8,400	2,450	11,707
Stainless steel:								
Pressure tubing.....	-----	7,082	-----	-----	2	6,701	10,114	(2)
Mechanical tubing.....	348	8,866	345	-----	5	8,813	16,349	-----

NOTE: Comparable statistics for 1939 in the detail shown in this table are not available. Total shipments to other companies and interplant transfers of steel wire in 1939 amounted to 1,183,052 and 192,210 short tons, respectively, valued at \$96,706,000 for shipments and \$14,081,000 for interplant transfers. Shipments and interplant transfers of copper and copper-base alloy wire in 1939 are not comparable with 1947. However, comparable figures can be obtained by combining shipments to other companies, interplant transfers, and produced and consumed in the same establishment in the manufacture of fabricated products. The 1939 totals of these for unalloyed copper and copper-base alloys amounted to 336,603 and 45,063 short tons, respectively, compared to 835,927 short tons for unalloyed copper and 75,280 short tons for copper-base alloys in 1947. Total shipments of steel pipe and tubes in 1939 amounted to 3,886,513 short tons valued at \$318,089,000, and additional shipments of \$3,725,000 for which the quantity was not reported. The 1939 shipments of cold rolled sheets, cold rolled strip, and cold finished bars amounted to 2,767,526 tons at \$137,285,000, 757,288 tons at \$72,357,000, and 692,847 tons at \$82,436,000, respectively.

n.a.—Not available.

¹ Figures in italics include a small quantity of steel, copper, and copper-base alloy wire drawn on a toll basis. Not included are 50,962 tons of unalloyed copper wire for electrical transmissions and 2,800 tons of copper-base alloy wire, other than for electrical transmissions.

² Included in quantity of "Shipments to other companies," but not in value of "Shipments to other companies."

³ Includes a small quantity of alloy and stainless steel pipe and tubes.

TABLE C.—INSULATED WIRE AND CABLE AND OTHER FABRICATED WIRE PRODUCTS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Nails, spikes, and brads, total			\$121,692		\$53,647
Steel wire nails, spikes, and brads	M lb	1,615,400	94,196	1,378,886	42,565
Bright	do	1,198,080	63,253	1,117,253	31,626
Galvanized	do	202,017	16,671	120,507	6,191
Lead headed	do	16,036	2,054	(1)	(1)
Cement coated	do	176,974	10,091	141,126	4,748
Other coated	do	21,693	2,127	(1)	(1)
Steel wire tacks:					
Quantity reported	do	1,446	400	4,753	523
Quantity not reported			223		
Steel wire staples:					
Quantity reported	M lb	68,806	5,610	57,469	1,851
Quantity not reported			3,819		123
Steel cut nails, spikes, and brads (includes horseshoe nails)	M lb	56,726	5,915	41,259	2,521
Steel cut tacks, except thumb tacks	do	33,032	5,733	33,504	4,085
Steel cut thumb tacks:					
Quantity reported	do	1,454	1,155	975	411
Quantity not reported			269		257
Nonferrous nails, brads, tacks, and staples:					
Quantity reported	M lb	4,185	2,585	2,638	711
Quantity not reported			456		
Upholstery nails and nails, spikes, brads, tacks, and staples, not specified by kind			1,331		2,600
Wire rope and cable, total			129,248	n.a.	n.a.
Iron and steel wire rope and cable	Ton	308,923	75,213	98,486	35,702
Composite strand, rope, and cable, except insulated (includes wire or strands of different metals)	do	174,678	35,800	(9)	(9)
Guard rail cable	do	66,372	603		
Iron and steel strand, except guard rail cable	do	3,479	16,722	40,934	6,037
Copper strand and cable, except insulated, made from purchased wire	do	63,059	910	(4)	(4)
	do	1,335			
Fencing and fence gates, total			63,297	318,963	25,356
Chain link fencing (includes posts, gates, and fittings when sold with fencing)	do	488,064	23,103		
Fence gates, wire (except chain link)	do	107,927	1,738		
Field fence	do	10,455	34,693	n.a.	n.a.
Ornamental lawn fence	do	342,535	3,763		
	do	27,147			
Wire cloth and woven wire products, total			90,792		34,224
Woven wire netting (poultry, fur farm, stucco, etc.)	Ton	86,108	17,552	54,252	6,956
Insect wire screening:					
Steel	M sq. ft.	336,188	10,238	n.a.	7,486
Copper and copper-base alloy	do	195,180	14,700	n.a.	4,884
Nonferrous metal, except copper and copper-base	do	61,903	4,470	n.a.	291
Fourdrinier wire cloth	do	10,434	0,257		
Cylinder wire cloth	do	1,358	1,371	n.a.	5,376
Hardware cloth	do	1,358	1,371		
Industrial wire cloth:	Ton	15,937	5,223		
Steel		n.a.	16,137	n.a.	9,231
Nonferrous metal		n.a.	8,800		
Other wire cloth (includes diamond cloth, spiral cloth, drying belts, etc.)			2,936		
Wire springs (made of flat, round, or shaped wire), total			191,254		62,966
Upholstery and furniture springs:					
Seat and back springs for motor vehicles			60,680		23,331
Other upholstery and furniture springs			45,098		15,614
Other springs ⁶			70,407		24,021
Other wire products, total			212,772		n.a.
Welded steel wire fabric:					
Concrete reinforcing mesh	Ton	209,491	22,430	167,838	10,872
Other welded steel wire fabric	do	33,812	4,817	n.a.	n.a.
Barbed and twisted wire	do	257,781	27,310	230,765	13,825
Wire bale ties	do	159,202	18,227	84,783	5,915
Wire chain:					
Tire	do	48,729	10,512	20,670	4,139
Other	do	60,540	10,694	28,030	5,170
Wire garment hangers:					
Quantity reported	M lb	103,091	11,000	19,633	1,001
Quantity not reported					772
Other wire products (including cages, guards, lampshade frames, florists' designs, kitchenware goods, paper clips, etc.)					
			92,758		50,025
Wirework, not specified by kind			12,087		
Communication wire and cable⁷			186,878		n.a.
Drop and bridle wire			21,564		
Inside and duct telephone wire			6,183		
Distribution and jumper wire			1,006		
Flexible coaxial cable			1,204		
Switchboard cable			32,735		
Paper-insulated, lead-covered cable (except coaxial)			65,031		20,424
Lead sheathed coaxial cable			25,702		
Other communication wire and cable			33,363		
Signal wire and cable			7,534		
Magnet wire⁷			134,881		25,431
Enameled ⁹			112,063		
Enameled only			90,094		
Enameled and covered			21,969		n.a.
Not enameled (cloth and fibrous covered)			22,818		
Weatherproof and slowburning			76,256		20,856

See footnotes at end of table.

TABLE C.—INSULATED WIRE AND CABLE AND OTHER FABRICATED WIRE PRODUCTS—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Building wire and cable, excluding varnished cambric insulated ^{7 10}			\$174,003		n.a.
Metallic armored cable or conductor			23,914		\$12,985
Synthetic (no braid)			17,631		
Fibrous covered and/or jacketed, including lead covered			66,354		
Service cable			25,507		
Nonmetallic sheathed cable or conductor			39,119		
Other building wire and cable, excluding varnished cambric insulated			1,478		
Power wire and cable			124,351		
Insulated for voltages not exceeding 600 volts			60,014		
Portable power cables			14,494		
Varnished cambric insulated, including varnished cambric building wire			11,770		
Synthetic			5,710		
Rubber insulated			18,666		
Asbestos and asbestos-varnished cambric			5,980		
Other, including paper insulated			3,394		
Insulated for voltages exceeding 600 volts			64,337		
Portable power cables			3,768		
Varnished cambric insulated			14,328		
Paper insulated			32,480		
Rubber insulated			12,239		
Other			1,522		
Appliance wire and cord			48,752		n.a.
Flexible cord, including heater cord			35,959		16,003
Fixture wire, including heat resistant			8,010		
Other appliance wire and cord			4,783		
Automotive and aircraft wire and cable, all types, including ignition harness sets and cable sets			83,724		40,826
Marine wire and cable (U. S. Navy and Merchant Marine)			4,276		
Other insulated wire and cable			24,897		
Flexible cord sets			29,576		5,840

n.a.—Not available.

¹ Separate data not available.

² The 1939 figure includes upholstery nails only.

³ Separate data on composite strand, rope, and cable were not collected in 1939. The 1939 statistics for most types of composite strand, rope, and cable were included with the data for bare wire, i.e., the copper wire content of composite cable was included with copper wire, the aluminum content with aluminum wire, etc.

⁴ Comparable data for 1939 not available. The figures for this item originally published in 1939 represent the total production of copper strand and cable, including that made by manufacturers who draw their own wire, whereas the 1947 data represent only shipments by producers who purchase copper wire.

⁵ Includes steel wire cloth valued at \$6,684,000 and nonferrous wire cloth valued at \$2,547,000.

⁶ Probably includes a small quantity of flat springs made of sheet or strip stock.

⁷ Includes a small amount of duplication due to the fact that some insulated wire and cable is shipped to manufacturers of insulated wire and cable for further processing. This duplication can be eliminated by subtracting insulated wire and cable manufacturers' receipts of these products from the total shipments. For 1947, this results in the following:

	(M dollars)		(M dollars)
Gross shipments of insulated wire and cable	\$895,128	Flexible cord, including heater cord	\$7,826
Less shipments within the industry for further fabrication	15,618	Fixture wire, including heat resistant	808
Magnet wire, enameled only	878	Automotive and aircraft type wire (including ignition harness sets and cable sets)	2,925
Building wire, fibrous covered and/or jacketed	1,402	Net shipments of insulated wire and cable	879,510
Building wire, nonmetallic sheathed cable	1,779		

⁸ Coaxial cable, signal wire and cable, synthetic insulated wire of all types, portable power cables, and "other power wire and cable," were not reported separately in 1939. The values of these products are included in the \$40,826,000 shown for other insulated wire and cable, including fixture wire, automotive and aircraft wire and cable, marine wire and cable, etc.

⁹ Includes synthetic resin enamels and combinations of enameled with other coverings.

¹⁰ Having underwriters' labels.

TABLE D.—SHIPMENTS OF NONFERROUS FORGINGS AND METAL POWDERS, TOTALS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars; quantity figures in short tons]

PRODUCT	Total shipments and interplant transfers	
	Quantity	Value f.o.b. plant
Nonferrous forgings		\$29,374
Copper and copper-base alloy forgings	17,823	18,536
Aluminum and aluminum-base alloy forgings	8,485	10,598
Other nonferrous forgings, and nonferrous forgings, not specified by kind		240
Metal powders		19,288
Aluminum	9,714	8,376
Copper, unalloyed	8,518	5,004
Copper-base alloys	4,814	3,213
Lead	839	372
Tin	436	738
Other metal powders (including iron powder)		1,585

Chapter XV—FABRICATED METAL PRODUCTS

TIN CANS, CUTLERY, HAND TOOLS, AND HARDWARE

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947						1939	
		Shipments and interplant transfers						Total production for sale and interplant transfer	
		Total		Interplant transfers (for own use)		All other shipments (for sale)		Quantity	Value f.o.b. plant
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant		
Metal cans ¹									
Reported in 1947 Census of Manufactures ²	M Base boxes	65,018	\$619,406	10,865	\$79,405	54,353	\$540,001	n.a.	\$339,413
Reported on monthly Form M75D for 1947 ³	M Base boxes..	65,125	n.a.	10,223	n.a.	54,902	n.a.	} n.a.	} n.a.
Detailed data, by type of can, from monthly survey for 1947: Total.....	M Short tons ³ ..	2,956	n.a.	456	n.a.	2,500	n.a.		
Food cans.....	do.....	2,147	} n.a.	394	} n.a.	1,753	} n.a.		
Fruit and vegetable (including juice).....	do.....	1,066							
Evaporated milk.....	do.....	267							
Condensed milk.....	do.....	26							
Other dairy products.....	do.....	53							
Fish and sea food.....	do.....	109							
Lard and shortening.....	do.....	57							
Meat (including poultry).....	do.....	110							
Coffee.....	do.....	142							
All other food cans.....	do.....	352							
Nonfood cans.....	do.....	809	} n.a.	62	} n.a.	747	} n.a.		
Oil, open top—1 quart and 5 quart.....	do.....	195							
Beer cans.....	do.....	207							
Pet food.....	do.....	50							
All other nonfood cans.....	do.....	557							

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Tin-coated containers and tinware (except cans; household and hospital utensils)			\$33,027		n.a.
Metal fluid milk shipping and delivery containers.....	M.....	1,635	8,011	1,195	\$3,847
Tinware end products, except cans; household and hospital utensils.....			25,016		n.a.
Safety razors and razor blades			\$9,981		\$19,220
Safety razors.....	M.....	20,092	9,644	10,457	1,635
Razor blades.....	do.....	2,759,183	80,337	1,058,659	17,585
Cutlery, scissors, shears, and trimmers			\$81,104		n.a.
Table cutlery ⁴			14,610		} (1)
Kitchen cutlery ⁴			8,402		
Butchers' and meatpacking cutlery.....			2,607		1,834
Pocket knives.....	M.....	31,340	17,465	n.a.	5,180
Scissors (except manicure), shears, hedge and other trimmers, tinners and other snips.....	do.....	26,255	16,886		5,680
Manicure scissors and implements.....			8,975		} 3,183
Other cutlery (including knife blades).....			10,347		
Cutlery, not reported by type.....			1,752		
Edge tools			\$63,749		\$14,996
Agricultural edged hand tools ⁵			7,937		7,823
Axes, adzes, and hatchets.....			9,863		3,482
Cutting dies ⁶			9,303		4,929
Other edge tools.....			34,638		74,762
Edge tools, not specified by type.....			2,008		
Mechanics' hand service tools			\$130,450		\$40,055
Pliers.....	M.....	20,722	14,528		} 40,055
Ball peen hammers.....	do.....	3,372	2,111		
Wrenches.....	do.....	91,878	58,520		
Screw drivers.....	do.....	50,138	11,328		
Other mechanics' hand service tools.....			43,993		
Hand tools (except mechanics' hand service tools, edge tools, files, and saws)			\$116,857		\$37,176
Shovels, spades, scoops, telegraph spoons, and scrapers.....			13,431		} n.a.
Light forged hammers (except ball peen hammers).....			6,493		
Heavy forged tools (sledges, picks, pick mattocks, mauls).....			3,535		
Steel goods (forks, hoes, rakes, weeders, etc.).....			13,935		
Hand tools, not elsewhere classified.....			79,463		
Mechanics' and other hand tools (except edge tools, files, and saws), not specified by type.....			10,341		
Files and rasps			\$24,597		\$11,631
Metalworking:					} 81,303
Precision files (Swiss pattern).....	M.....	6,845	1,890		
Rotary files and burs.....	do.....	598	722		
Other metalworking files and rasps.....	do.....	105,040	20,154		
Other files and rasps (including woodworking and reconditioned and rebuilt) and accessories for files (including file cleaners, handles, etc.).....			1,831		929

See footnotes at end of table.

FABRICATED METAL PRODUCTS

125

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Hand saws and saw blades			\$62,089		\$16,498
Power saw blades:					
Woodworking:					
Circular:					
Solid tooth.....	M.....	2,438	9,823	n.a.	2,731
Inserted tooth.....	do.....	28	3,340		
Band:					
Under 2 inches.....	M ft.....	8,792	1,435	n.a.	1,407
2 inch and over.....	do.....	967	2,775		
Metalworking:					
Circular.....	M.....	148	2,440	n.a.	7,387
Band.....	M ft.....	63,182	5,875	n.a.	1,006
Hack (power only).....	M.....	4,503	3,331		
Hand operated saws:					
Hack saw blades (hand only).....	do.....	97,572	9,312	n.a.	4,767
Crosscut, buck, and other heavy hand saws.....	do.....	1,096	4,240	n.a.	1,279
Other hand saws—carpenter, miter, coping, pruning, compass, etc. ⁹			13,558		3,238
Parts and accessories (teeth, handles, frames, holders, guides, clamps, etc.).....			5,117		1,540
Hand saws and saw blades, not specified by type.....			1,043		93

PRODUCT	1947	1939
	Total shipments and interplant transfers (value f.o.b. plant)	Total production for sale and interplant transfer (value f.o.b. plant)
Hardware, not elsewhere classified, total	\$566,484	\$192,011
Transportation equipment hardware		
Motor vehicle hardware (including lock units).....	195,690	n.a.
Marine fittings hardware ¹⁰	173,923	69,233
Marine joiners hardware.....	15,272	(11)
Railroad car hardware (including railroad car seals).....	1,040	
	5,455	
Furniture and cabinet hardware		
Furniture hardware, except casters (including office and household).....	39,134	(12)
Furniture casters and other floor protective devices ¹³	27,644	
	11,490	
Vacuum bottles and jugs (excluding replacement parts).....	17,779	4,485
Other hardware	303,144	n.a.
Builders' hardware:		
Padlocks.....	13,618	4,757
Door locks, lock sets, and lock trim ¹⁴	56,539	16,521
Cabinet hardware (including cabinet hinges and locks).....	19,804	(12)
Miscellaneous sash, screen, and shelf hardware ¹⁵	26,866	
Door closers and checking devices (including floor types).....	9,825	
Hinges and butts, except cabinet hinges (including spring hinges).....	25,449	
Hangers, tracks, and related items (including overhead door hardware).....	16,062	38,261
Sash balances and sash pulleys.....	9,487	
Other builders' hardware.....	16,272	
Casket and casket shell hardware.....	8,141	4,402
Trunk and luggage hardware (including locks).....	10,426	2,926
Saddlery and harness hardware.....	3,631	2,586
Fireplace fixtures and equipment (including dampers, irons, and fire screens).....	7,325	
Casters and wheels for dollies and industrial hand trucks.....	15,105	
All other hardware, not elsewhere classified ¹⁶	64,594	31,471
Hardware, not specified by type.....	10,737	

n.a.—Not available.

¹ Metal cans are defined as single walled containers constructed wholly of tin plate, terneplate, black plate, or waste plate which are designed for the packing of products. Included are all pails and drums manufactured from steel sheets of 29 gauge or lighter. Excluded are steel shipping containers such as barrels, drums, kegs, pails, and packages which are manufactured from steel sheets of heavier than 29 gauge; ice cream cans; and fluid milk shipping containers.

² See text for explanation of differences.

³ See text for method of converting basa boxes to short tons.

⁴ Comparable data for kitchen and table cutlery for 1939 are not available. In 1947, table cutlery includes knives, forks, spoons, etc. for the serving and eating of food, made with handles of materials other than metal and carving sets made with handles other than metal; flatware is defined as knives, forks, spoons, etc. for the serving and eating of food, made wholly of metal and carving sets made with metal handles. No distinction was made in 1939 on the basis of the type of handle on the knife, fork, spoon, etc. Therefore, the unplated steel knives, forks, spoons, etc. which were placed in the Cutlery industry in 1939, included some with metal handles, and the plated knives, forks, spoons, etc. and the unplated knives, forks, spoons, etc. made of other than steel, which were placed in the Silverware and Plated Ware industry in 1939, included some with handles of materials other than metal. The total for table and kitchen cutlery and flatware, amounted to \$172.9 million in 1947 as compared to \$45.6 million in 1939.

⁵ Includes manicle scissors and other scissors, shears, and snips, but does not include manicle implements.

⁶ Includes scythes, sickles, grass hooks, machetes, hay knives, and similar tools.

⁷ Revised.

⁸ Includes dies for use in cutting cloth, paper, leather, etc., but excludes metal cutting dies.

⁹ Includes hand saw frames and hand saw blades sold together and hand saw blades sold separately.

¹⁰ Includes shackles, rope sockets, tackle blocks, and wire rope clips and clamps.

¹¹ In 1939, separate data were not requested on marine fittings hardware, marine joiners' hardware, or railroad car hardware. The major portion of these commodities, which were reported separately, were included in "Other hardware, not elsewhere classified."

¹² Furniture and cabinet hardware included builders' cabinet hardware and refrigerator hardware in 1939. Data were retabulated to exclude refrigerator hardware, which is now classified as "Other hardware, not elsewhere classified." The revised total value of furniture and cabinet hardware, including builders' cabinet hardware amounted to \$17.4 million in 1939 compared to \$58.9 million in 1947.

¹³ Includes slides, glides, furniture rests, and leg cups.

¹⁴ Includes night latches, deadlocks, and panic devices.

¹⁵ Includes window hardware, transom hardware, door pulls and bolts, screen door hardware, etc.

¹⁶ Includes such products as hose fittings, refrigerator hardware, stove hardware, animal traps, and locks, not elsewhere classified.

HEATING, COOKING, AND PLUMBING EQUIPMENT

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947			1939	
	Total shipments and interplant transfers			Total production for sale and interplant transfers	
	Number	Thousands of pounds	Value f.o.b. plant	Number	Value f.o.b. plant
Steam and hot water heating equipment			\$134, 798		n.a.
Cast iron heating boilers:					
Oil.....	100, 999	139, 639	18, 548	} n.a.	\$15, 056
Gas.....	36, 560	32, 105	8, 756		
Solid fuels.....	96, 346	139, 517	18, 137		
Cast iron boilers, not specified by fuel.....	n.a.	14, 868	2, 833		
Parts and accessories for cast iron boilers, shipped separately.....			3, 534		n.a.

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Total production for sale and interplant transfer	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Cast iron radiation:				
Radiators (quantity in M square ft. of radiation).....	53, 390	\$22, 742	} n.a.	\$15, 489
Convectors (quantity in M square ft. of equivalent direct radiation).....	3, 330	1, 613		
Convactor radiation, except cast iron:				
Nonferrous (quantity in M square ft. of equivalent direct radiation).....	29, 585	11, 858	n.a.	2, 248
Steel (quantity in M square ft. of equivalent direct radiation).....	8, 847	3, 243	n.a.	n.a.
Steel heating boilers (15 p.s.i. steam working pressure and under):				
Residential type (177 square ft. of heating surface and less):				
Oil-burning ¹	(units)	93, 876	(units)	
Gas-burning ¹		6, 184		
Stoker-fired ¹		4, 584		
Hand-fired ¹		823		
Nonresidential type (over 177 square ft. of heating surface):			28, 855	8, 084
Horizontal firebox ¹	7, 256	8, 365		
Scotch-type ¹	670	1, 297		
Other ¹	586	1, 777		
Steel heating boilers, not specified by type.....		1, 206		
Parts and attachments for steel heating boilers, sold separately.....		2, 716	n.a.	n.a.
Warm air furnaces and parts and attachments		175, 876		43, 627
Warm air furnaces, by type, as reported in the monthly survey for 1947, with revisions obtained in the Census of Manufactures.....	885, 149	148, 597		35, 295
Forced air:				
Solid fuel (coal, coke, wood):				
Cast iron:				
250,000 BTU bonnet output and under.....	1, 962	400	} n.a.	n.a.
Over 250,000 BTU bonnet output.....	271	176		
Steel:				
250,000 BTU bonnet output and under.....	28, 778	5, 403		
Over 250,000 BTU bonnet output.....	723	386		
Oil:				
Cast iron ²	1, 420	547		
Steel:				
250,000 BTU bonnet output and under.....	308, 753	67, 980		
Over 250,000 BTU bonnet output.....	7, 118	3, 893		
Gas:				
Cast iron.....	37, 901	7, 801		
Steel:				
250,000 BTU bonnet output and under.....	105, 710	18, 733	n.a.	n.a.
Over 250,000 BTU bonnet output.....	2, 412	1, 490		
Gravity air flow:				
Solid fuel (coal, coke, wood):				
Cast iron:				
20 in. and under.....	31, 035	2, 604		
Over 20 in.....	107, 132	13, 294		
Steel:				
20 in. and under.....	31, 981	2, 520		
Over 20 in.....	147, 225	16, 323		
Oil (steel only).....	27, 193	2, 586		
Gas:				
Cast iron.....	3, 338	385		
Steel.....	42, 188	4, 067		
Parts and attachments for warm air furnaces, including registers, sold separately.....		26, 979		8, 332

See footnotes at end of table.

FABRICATED METAL PRODUCTS

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939			
	Total shipments and interplant transfers		Total production for sale and interplant transfer			
	Quantity (units)	Value f.o.b. plant	Quantity (units)	Value f.o.b. plant		
Domestic heating stoves, by type, as reported in the monthly survey for 1947, with revisions obtained in the Census of Manufactures	6,473,329	146,321	n.a.	27,371		
Gas:						
Vented circulators.....	400,938	17,446	n.a.	5,597		
Unvented circulators.....	1,158,805	11,721				
Radiants.....	1,147,435	10,943				
All other.....	45,287	779				
Wood (sheet metal air tight type):						
With cast iron grates, linings, or bases.....	43,858	751	474,450	1,361		
All other.....	592,351	1,359				
Coal and wood (other than sheet metal air tight type):						
Laundry stoves (without cored firepots).....	172,418	1,216	398,319	7,880		
Standard circulators.....	49,195	2,368				
Magazine type circulators.....	70,266	3,511				
Magazine radiants.....	120,618	3,292				
Oaks, and hot blasts.....	85,467	1,298				
Kitchen heaters.....	43,281	1,379				
All other (including caboose, schoolroom, wood box, etc.).....	128,194	2,317				
Kerosene, gasoline, fuel oil:						
Flue-connected heaters, equipped with vaporizing pot-type burner.....	1,884,311	79,104			719,463	12,533
Flue-connected heaters, equipped with sleeve burner.....	50,442	2,564				
Trailer heaters, equipped with vaporizing pot-type burner.....	69,496	2,201				
Unvented portable kerosene heaters.....	415,967	4,072				
All other.....						
Domestic cooking stoves, ranges, and appliances (except electric), by type, as reported in the monthly survey for 1947, with revisions obtained in the Census of Manufactures		267,138	n.a.	n.a.		
Nonelectric cooking stoves and ranges.....	3,519,157	257,534	n.a.	n.a.		
Gas:						
Standard ranges for use with natural and manufactured gas.....	1,408,985	122,188	1,502,301	63,764		
Standard ranges for use with liquefied petroleum gas.....	477,840	40,377				
Apartment ranges for use with natural and manufactured gas.....	295,680	12,758				
Apartment ranges for use with liquefied petroleum gas.....	86,021	3,913				
Bungalow ranges:						
Natural and manufactured gas and coal.....	30,593	3,291	(4)	(4)		
All other.....	39,586	4,538				
Coal and wood:						
Ranges.....	409,591	23,177	636,151	20,070		
Cook stoves.....	39,765	704				
Combination ranges (except bungalow ranges):						
Natural and manufactured gas and oil.....	71,485	11,120	102,260	9,715		
Liquefied petroleum gas and oil.....	25,985	4,045				
Natural and manufactured gas and coal.....	26,775	3,793				
Ranges equipped with conversion burners.....	2,745	277				
All other.....	44,527	6,725				
Kerosene, gasoline, and fuel oil:						
Low oven kerosene ranges.....	224,989	11,678	1,158,952	14,438		
High oven kerosene ranges.....	116,983	4,415				
Cook stoves.....	217,607	4,535				
Miscellaneous cooking appliances.....	1,742,445	9,604	n.a.	n.a.		
Gas hot plates.....	167,318	844	137,848	519		
Needle valve stoves.....	757,164	3,696				
Miscellaneous kerosene, gasoline, and fuel oil stoves.....	262,231	4,029	n.a.	n.a.		
Portable and drum ovens.....	555,732	1,035				
Water heaters, except electric	2,721,926	112,113	n.a.	n.a.		
Direct fired:						
Gas:						
Underfired storage.....	1,809,159	84,796	498,905	\$14,958		
Side arm, less tank.....	258,560	2,532				
Oil:						
Underfired storage.....	221,903	12,693	67,213	1,450		
Side arm, less tank.....	60,520	1,114				
Coal or wood:						
Cast iron tank heaters.....	76,824	1,089	297,064	2,523		
Steel tank heaters.....	14,523	275				
Indirect:						
Storage (cast or coil type) less tanks:						
20 G. P. H. and less.....	25,247	192	n.a.	n.a.		
21 G. P. H. and over.....	78,863	1,084				
Generator tanks with integral coils (sold together):						
525 gallons and less.....	6,300	678				
526 gallons and over.....	1,804	1,284				
Generator tanks (sold without coils).....	4,094	107				
Instantaneous.....	164,129	6,269				
Commercial cooking and food warming equipment, except electric		32,671		9,261		
Commercial cooking stoves, ranges, ovens, and broilers, except electric.....		15,063				
Other commercial cooking equipment (griddles, deep fat fryers, coffee urns, etc.), except electric.....		8,420		n.a.		
Commercial food warming equipment, except electric (including steam tables).....		9,188				

See footnotes at end of table.

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Total production for sale and interplant transfer	
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
	(units)		(units)	
Other heating and cooking equipment		217,267		
Gas burners for residential heating equipment, for sale separately.....	54,616	3,447	n.a.	n.a.
Gas floor furnaces.....	430,057	21,725		1,858
Oil floor furnaces.....	141,100	11,524	n.a.	n.a.
Wall furnaces, gas and oil.....	104,578	4,887		
Direct fired unit heaters, gas.....	115,297	13,273		
Direct fired unit heaters, oil and electric.....	3,902	287		
Steam and hot water unit heaters, centrifugal fan type (blower).....	18,323	5,161	n.a.	8,741
Steam and hot water unit heaters, propeller fan type.....	267,089	20,501		
Range boilers.....	691,252	7,437	990,320	6,676
Tanks for water heaters, sold separately.....	1,041,022	12,893	265,637	2,517
Firebox generators or coils.....	161,588	199		
Generator coils with tank collars (sold without tank).....	15,483	440		
Converters and preheaters.....	1,282	118		
All other heating and cooking equipment (including pressure cookers, hot water storage tanks, blast coils, expansion tanks, etc.) and cooking and heating equipment not specified by type, except electric.....		87,681		n.a.
Parts, attachments and accessories for heating and cooking equipment, not requested separately.....		28,354		
Oil burners, domestic and industrial		131,728		20,588
Residential oil burners for central heating units, shipped separately: *				
Atomizing, low pressure.....	79,558			
Atomizing, high pressure.....	745,027	88,345	216,336	17,802
Vaporizing, pot mechanical draft.....	32,526			
Other (rotary and pot natural draft).....	67,903			
Commercial and industrial oil burners, shipped separately *	48,930	14,857		
Range-type oil burners, shipped separately (sleeve and pot type burners for use in water heaters, stoves, and ranges) ¹⁰	682,210	4,737	160,453	1,170
Parts and attachments for oil burners, sold separately.....		22,861		1,544
Oil burners, not specified by type.....		928		
Plumbing fixture fittings and trim	(thousands)	153,350		n.a.
Bath and shower fittings:				
Tub fillers:				
Number reported.....	881	5,931		
Number not reported.....		680		
Tub and shower fittings:				
Number reported.....	992	8,937		
Number not reported.....		538		
Shower fittings:				
Number reported.....	728	3,973		
Number not reported.....		392		
Bath tub faucets—for leg tubs:				
Number reported.....	349	809		
Number not reported.....		163		
Bath drains and overflows:				
Number reported.....	1,613	6,224		
Number not reported.....		305		
Lavatory fittings:				
Combination 4" center-set fittings (with or without pop-up drains):				
Number reported.....	932	5,340		
Number not reported.....		1,081		
Other combination center-set fittings (with or without pop-up drains).....	628	4,873		
Pop-up drains, sold separately:				
Number reported.....	555	1,380	n.a.	n.a.
Number not reported.....		134		
Single lavatory faucet-compression.....	3,509	5,413		
Sink fittings:				
Deck type sink faucets.....				
Other combination sink faucet:				
Number reported.....	2,610	15,010		
Number not reported.....	1,868	9,527		
Single sink faucets.....		198		
Miscellaneous items:		3,068		
Compression stops.....				
Compression stops and drains.....	4,374	3,210		
Sediment faucets.....	3,461	2,150		
Double laundry tray faucets.....	3,879	1,020		
P traps.....	527	1,317		
S traps.....	3,870	6,238		
Other plumbing fixture fittings and trim, including lavatory legs, strainers, bibbs, shower curtain rods, towel rods, soap dishes, etc.....	1,705	3,721		
Plumbing fixture fittings and trim, not specified by type.....		40,218		
		10,871		

See footnotes at end of table.

TABLE A.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Total production for sale and interplant transfer	
	Quantity (thousands)	Value f.o.b. plant	Quantity (thousands)	Value f.o.b. plant
Metal plumbing fixtures ¹¹		\$126,912		n.a.
Drinking fountains.....	23	243	n.a.	\$161
Lavatories, cast iron.....	1,222	10,267	1,149	6,908
Lavatories, steel.....	231	1,519		
Kitchen sinks, cast iron.....	1,220	17,804		
Kitchen sinks, steel.....	1,295	19,636		
Wash sinks.....	5	308	1,272	11,807
Service sinks, cast iron.....	17	310		
Sink and laundry tray combinations, cast iron.....	143	3,604	n.a.	n.a.
Bath tubs, cast iron.....	1,234	45,592	887	20,115
Bath tubs, steel.....	421	13,646		
Shower stalls, steel.....	133	4,705	n.a.	n.a.
Other metal plumbing fixtures (including those not covered in the quarterly survey on plumbing fixtures and those for which data cannot be shown separately without disclosing figures for individual companies) and metal plumbing fixtures and fittings and trim not specified by type.....		9,278	n.a.	n.a.

n.a.—Not available.

¹ Data on the square feet of heating surface for steel heating boilers were reported by most but not all producers of these boilers. The data on units and square feet for those establishments reporting are as follows: *Residential*, oil, 87,161 units—3,280,790 square feet; gas, 5,203 units—232,432 square feet; stoker-fired, 4,564 units—884,956 square feet; hand, 550 units—36,836 square feet; *nonresidential*, horizontal firebox, 7,190 units—3,347,970 square feet; scotch type, 345 units—201,884 square feet; other, 500 units—183,692 square feet.

² Includes a small amount of cast iron oil gravity air flow furnaces which are not shown separately to avoid disclosing figures for individual companies.

³ Includes data for liquefied petroleum gas and coal, and all other types of bungalow ranges.

⁴ Included with gas ranges.

⁵ Includes data for liquefied petroleum gas and coal, coal and electric, and all other types.

⁶ Includes trailer, gasoline pressure, camp stove, etc.

⁷ Excludes industrial-type ovens.

⁸ See text for explanation of source of these data for 1947. Residential burners are those with oil consumption rates of less than 6 gallons per hour. Data on the production and use in the same plant of oil burners in furnace-burner units and boiler-burner units are not available from the Census of Manufactures. However, the following shipment data for 1947 were compiled in the monthly survey: Furnace-burner units with residential atomizing high pressure burners—61,834; furnace-burner units with residential pot mechanical draft burners—65,617; furnace-burner units with other types of residential burners—32,416; boiler-burner units with residential atomizing high pressure burners—26,070; boiler-burner units with other residential type oil burners—19,108; and commercial and industrial boiler-burner units—4,859. These data do not represent the total shipments of furnaces and boilers, but only the shipments of those incorporating oil burners made in the same plant.

⁹ Commercial and industrial burners are those with oil consumption rates of 6 gallons per hour or more.

¹⁰ Does not include burners produced and used in the same establishment for assembly into stoves, ranges, and water heaters. The "captive" production of these burners exceeds those shipped as such.

¹¹ The data on plumbing fixtures shown in tables 6-A and 6-B do not include concrete and composition which are included in the Census quarterly survey on plumbing fixtures. Separate data on concrete and composition were not collected in the Census of Manufactures.

TABLE B.—VITREOUS AND SEMIVITREOUS PLUMBING FIXTURES—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[Money figures in thousands of dollars]

PRODUCT	1947		1939	
	Total shipments and interplant transfers		Production	
	Quantity (thousands)	Value f.o.b. plant	Quantity (thousands)	Value f.o.b. plant
Vitreous and semivitreous plumbing fixtures and accessories, total		\$67,165		\$22,105
Vitreous china and glazed earthenware plumbing fixtures.....		62,641		19,130
Drinking fountains (vitreous china).....	58	646	n.a.	(1)
Lavatories (vitreous china).....	1,392	12,688	279	3,004
Water closet bowls (vitreous china):				
Syphon jet.....	294	4,438	194	1,553
Washdown.....	1,429	10,449	905	3,365
Reverse trap.....	962	8,258	486	3,035
Flush tanks (vitreous china).....	2,367	20,723	1,245	6,162
Urinals (vitreous china and glazed earthenware).....	96	1,534	n.a.	(1)
Kitchen sinks (vitreous china and glazed earthenware).....	171	1,254	n.a.	(1)
All other vitreous china and glazed earthenware plumbing fixtures.....		2,651		1,206
Vitreous china and glazed earthenware plumbing fixture accessories and fittings (including towel racks, soap cups, etc.).....		4,524		2,975

n.a.—Not available.

¹ "Drinking fountains," "Urinals," and "Kitchen sinks" are included with "All other vitreous china and glazed earthenware plumbing fixtures."

² Represents "Other bathroom and toilet fixtures (recessed and attachable)."

FABRICATED STRUCTURAL METAL PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Fabricated structural iron and steel:			\$417,378		
Fabricated for sale, total.....			111,749		\$181,779
Fabricated and erected by the same company, total.....					
For bridges:					
Fabricated for sale:					
Quantity reported.....	Ton	213,313	32,095	n.a.	136,913
Quantity not reported.....			1,028		
Fabricated and erected by the same company.....	Ton	55,634	9,108		
For buildings:					
Fabricated for sale:					
Quantity reported.....	Ton	1,697,447	284,032	n.a.	2102,415
Quantity not reported.....			8,700		
Fabricated and erected by the same company:					
Quantity reported.....	Ton	408,994	79,842		
Quantity not reported.....			5,643		
For ships, boats, and barges:					
Fabricated for sale:					
Quantity reported.....	Ton	18,549	4,220	n.a.	431,516
Quantity not reported.....			244		
Fabricated and installed by the same company.....			3,650		
For other structures:					
Fabricated for sale:					
Quantity reported.....	Ton	367,626	61,894	n.a.	510,935
Quantity not reported.....			17,237		
Fabricated and erected by the same company:					
Quantity reported.....	Ton	63,968	14,008		
Quantity not reported.....			1,796		
Not reported by end use:					
Fabricated for sale:					
Quantity reported.....	Ton	13,751	3,000	n.a.	33,788
Quantity not reported.....			4,028		
Fabricated and erected by the same company:					
Quantity reported.....	Ton	1,670	443		
Quantity not reported.....			267		
Ornamental metal work.....			76,163		610,824
Iron and steel:					
Grille work:					
Quantity reported.....	Ton	3,885	1,832	n.a.	1,332
Quantity not reported.....			2,522		
Stairs, staircases, fire escapes, and railings:					
Quantity reported.....	Ton	66,186	21,764		503
Quantity not reported.....			12,045		
Fences and gates, other than wire:				11,422	
Quantity reported.....	Ton	4,156	1,606		
Quantity not reported.....			1,461		
Steel grating and flooring, and other ornamental work:				55,980	4,182
Quantity reported.....	Ton	43,930	12,642		
Quantity not reported.....			7,650		
Nonferrous metal:					
Quantity reported.....	Ton	1,588	6,098	1,329	2,366
Quantity not reported.....			4,062		3,173
Ornamental metal work, not reported by kind of material or type:					
Quantity reported.....	Ton	5,222	1,901		1,508
Quantity not reported.....			1,890		
Prefabricated and portable metal buildings, and parts.....			69,855		n.a.
Fabricated and portable metal buildings, complete units (in sections or panels):					
Farm buildings (livestock shelters, etc.).....			2,061		
Other prefabricated and portable metal buildings (dwellings, garages, utility buildings, etc.).....			31,574		n.a.
Panels or sections for prefabricated buildings, not sold as a complete unit.....			35,620		
Miscellaneous metal building materials.....			94,614		
Metal plaster bases:					
Expanded metal lath.....	M sq. yds.	85,960	19,651	n.a.	11,116
Metal plaster base accessories (corner beads, screeds, grounds, etc.).....			9,974		n.a.
Fabricated concrete reinforcing bars.....	Ton	560,314	54,097	n.a.	719,146
All other structural and ornamental metal products.....			10,892		
Structural and ornamental products, not reported by type.....				39,163	6,430
Molding and trim, and store fronts.....					10,517
Molding and trim.....				46,278	
Store fronts, sold complete at factory.....				40,370	n.a.
				5,908	

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Doors and frames			\$52,074		\$15,815
Doors:					
Iron and steel:					
Industrial:					
Residential, commercial and institutional	Number	153,197	18,208		9,895
Other (garage doors, hangar doors, etc.)	do	273,495	11,528		
Quantity reported	Number	104,086	6,079		
Quantity not reported			1,240		
Nonferrous metal (all types)	Number	19,150	2,916	n.a.	1,317
Door frames			10,818		4,603
Doors and door frames, not reported by type			1,285		
Window sash and frames	Number	8,649,058	90,780		21,960
Iron and steel	do	7,555,684	69,622		n.a.
Nonferrous metal	do	1,093,375	21,158		
Metal doors, sash, frames, molding, and trim, not reported by type			7,510		5,576
Metal tanks (complete at factory) ¹⁰			261,872		n.a.
Pressure tanks:					
For liquefied petroleum gas:					
Quantity reported	Number	203,295	36,331	(11)	(11)
Quantity not reported			979		
Other pressure tanks:	Number	570,478	38,080		
Quantity reported			4,341		
Quantity not reported			4,443		
Septic tanks	Number	151,235	4,443	81,323	1,082
Basement oil tanks	do	489,269	17,036		
Bulk storage tanks (other than tanks listed above):					
Carbon and alloy steel:					
6,000 gallons and less capacity:					
Quantity reported	Number	479,377	37,766		26,168
Quantity not reported			1,930		
Over 6,000 gallons capacity:	Number	22,672	25,009		
Quantity reported			357		
Quantity not reported					
Stainless steel, aluminum, nickel, etc.:	Number	13,312	12,414		
Quantity reported			2,340		
Quantity not reported			12,73,044		
All other tanks (truck tanks, etc.)			7,802		
Metal tanks, not specified by type					
Fabricated steel plate (cut, punched, or shaped for assembly on job)			123,527		41,135
For oil storage tanks:					
Quantity reported	Ton	295,834	38,099	149,183	11,530
Quantity not reported			9,827		1,388
For water storage tanks:					
Quantity reported	Ton	51,484	8,737	43,356	6,011
Quantity not reported			914		308
For large diameter pipe (pipe lines, pen stocks, etc.):					
Quantity reported	Ton	181,453	28,490		21,898
Quantity not reported			1,840		
For other purposes:					
Quantity reported	Ton	141,951	27,042		
Quantity not reported			5,228		
Not specified by type:					
Quantity reported	Ton	14,842	2,927		
Quantity not reported			423		
Power boilers, and parts and attachments			131,163		n.a.
Power boilers (over 15 psi steam working pressure):					
Water tube boilers:					
Number of boilers		5,349	14,66,762	(13)	23,382
Sq. ft. of boiler and water wall heating surface		10,507,580			
Fire tube boilers:					
Quantity reported:					
Number of boilers		15,444	34,079		
Sq. ft. of boiler heating surface		5,849,707	702		
Quantity not reported			29,620		n.a.
Parts and attachments for steel power boilers					n.a.
Gas cylinders, stacks, and other boiler shop products			133,518		n.a.
Gas cylinders:					
For liquefied petroleum gas	Number	1,582,988	21,002	(14)	(14)
Other gas cylinders:	Number	1,213,782	13,828		
Quantity reported			4,446		
Quantity not reported					
Smoke stacks and other stacks, iron and steel (complete or including all necessary parts for assembly on the site):					
Quantity reported	Ton	16,653	5,112	8,107	1,123
Quantity not reported			1,155		505
All other plate steel products:					
Quantity reported	Ton	378,594	66,219	103,160	14,804
Quantity not reported			21,756		10,229
Boiler shop products, not specified by type			27,534		

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Sheet-metal products, except metal tanks			\$117,024		¹⁴ \$126,379
Roofing:					
Steel, all types			25,289		
Aluminum, all types			39,956		
Other metals, all types			3,239		
Metal siding			1,815		
Roof drainage equipment			19,943		
Cornices and skylights			3,164		
Roof ventilators			9,064		
Furnace smoke pipe, elbows, ducts, and fittings			36,034		
Stove pipe and elbows			9,209		n.a.
Culverts, flumes, irrigation pipe, and similar products			48,113		
Bins			2,767		
Vats			672		
Restaurant, hotel, and kitchen sheet-metal equipment (table tops, drainboard tops, etc.)			20,853		
Other sheet-metal work (air conditioning ducts, dust collector system ducts, metal awnings, etc.)			148,575		
Sheet-metal work, not reported by type			48,331		

n.a.—Not available.

¹ Includes 388,110 tons valued at \$35,069,000 and \$1,844,000 worth of fabricated structural steel for bridge for which quantity was not reported.

² Includes 1,058,248 tons valued at \$92,336,000 and \$10,079,000 worth of fabricated structural steel for buildings for which quantity was not reported.

³ Does not include structural steel fabricated for own use by establishments building ships.

⁴ Includes 270,383 tons valued at \$25,767,000 and \$5,749,000 worth of fabricated structural steel for ships, boats, and barges and other structures for which quantity was not reported.

⁵ Includes 67,741 tons valued at \$6,461,000 and \$4,474,000 worth of fabricated structural steel for which neither quantity nor end use was reported.

⁶ Includes 37,451 tons valued at \$6,308,000 and \$4,516,000 worth of grille work, stairs, staircases, fire escapes, and railings for which quantity was not reported.

⁷ Includes 329,533 tons valued at \$17,427,000 and \$1,719,000 worth of fabricated concrete reinforcing bars for which quantity was not reported.

⁸ Includes 216,073 doors valued at \$6,242,000 and \$3,653,000 worth of iron and steel doors for which quantity was not reported.

⁹ The \$21,960,000 worth of window sash and frames includes 1,159,176 solid iron and steel window sash and frames valued at \$10,187,000; \$7,604,000 of solid iron and steel window sash and frames for which quantity was not reported; \$936,000 of solid nonferrous window sash and frames for which quantity was not reported; and \$3,143,000 of hollow metal (iron, steel, and nonferrous) window sash and frames for which quantity was not reported. Data for all the metal covered (iron, steel, and nonferrous) window sash and frames are included among the \$5,576,000 of metal doors, sash, frames, molding, and trim, not reported by type.

¹⁰ Data on metal tanks for 1939 do not include sheet-metal tanks. In 1939, \$11,972,000 of bins and sheet-metal tanks were reported. Since separate data on these two commodities are not available, the total has been included among the sheet-metal products.

¹¹ In 1939, data on pressure tanks and gas cylinders were collected together. The revised 1939 totals are 540,014 units valued at \$12,778,000 and \$1,644,000 worth of pressure tanks and cylinders for which quantity was not reported.

¹² Includes \$4,602,000 of truck tanks for delivery of butane and propane, \$23,544,000 of truck tanks for delivery of liquid fuels other than butane and propane, \$3,045,000 of truck tanks for delivery of other fluids, and \$41,853,000 of all other tanks.

¹³ Includes 113,898 tons valued at \$13,362,000 and \$8,536,000 worth of fabricated plate work for large diameter pipe and for other purposes for which quantities were not reported.

¹⁴ Includes value of water walls, superheaters, economizers, etc.

¹⁵ A total of 11,280 power boilers, valued at \$23,382,000, was produced in 1939.

¹⁶ Includes value of sheet-metal tanks. See footnote 10.

METAL STAMPING, COATING AND ENGRAVING; LIGHTING FIXTURES

[Money figures in thousands of dollars]

PRODUCT	1947		1939
	Total shipments and interplant transfers of products made from the establishment's own materials (value f.o.b. plant)	Receipts for work done on materials owned by others (value f.o.b. plant)	Total production for sale and interplant transfer (value f.o.b. plant)
Vitreous-enameled products	\$76,359	1 \$7,024	1 \$34,386
Cooking and kitchen utensils (including household, hospital, and commercial).....	36,952	(d)	15,807
Other vitreous-enameled products.....	39,209	(d)	18,579
Table tops (kitchen cabinets, dinette, and breakfast sets).....	5,190	(d)	3,004
Stove parts (sold separately).....	5,449	1 3,286	3,373
Refrigerator parts (household and commercial, sold separately).....	6,210	1 1,774	2,403
Store fronts.....	1,385	(d)	1,237
Other architectural porcelain parts (exterior and interior).....	1,476	132	758
Hospital utensils, except cooking and kitchen.....	1,665	-----	3,671
Washing machine parts (sold separately).....	12,868	1 321	4,133
Other porcelain enameled products.....	4,966	1 1,206	198
Vitreous-enameled products, not reported by type.....	198	-----	-----
Job stampings, automotive (truck, bus, and passenger car) ¹	392,624	11,139	146,440
Job stampings, except automotive ¹	340,616	19,178	182,537
Agricultural equipment stampings, including tractor.....	25,591	497	n.a.
Aviation stampings.....	8,503	690	-----
Electrical appliance stampings.....	29,577	2,574	-----
Furniture stampings.....	6,060	652	-----
Office machine stampings.....	2,947	632	-----
Radio and television stampings.....	27,686	1,226	-----
Refrigerator stampings.....	43,123	1,994	-----
Stove, heater, and air conditioner stampings.....	21,316	1,600	-----
Washing machine stampings.....	22,307	730	-----
Other job stampings.....	137,111	8,267	-----
Job stampings (except automotive), not reported by type.....	16,395	316	-----

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Pails, ash cans, and garbage cans (except shipping containers)			\$33,888		\$13,606
Galvanized steel.....			29,064		12,331
Other steel.....			4,824		1,275
Metal home canning closures, except one-piece zinc (porcelain lined) screw caps ¹			11,942		25,758
Metal screw bands for use with self-sealing metal lids.....	M gross.....	3,498	3,051		
Self-sealing (flowed-on-rubber) metal lids.....	do.....	10,143	8,891		
Metal commercial closures, except crowns			45,918		22,114
Metal caps: screw thread and lug types.....	M units.....	8,924,579	27,073		
Metal caps: vacuum, friction, and other types.....	do.....	6,029,492	18,845		
do.....	do.....	2,895,087	18,845		
Crowns	M gross.....	320,330	60,429	n.a.	22,114
Stamped and spun household and hospital utensils (except porcelain enameled)			155,127		n.a.
Cooking and kitchen utensils (including household, hospital, and commercial):					(e)
Tinned.....			19,127		
Stainless steel.....			30,944		
Aluminum.....			87,715		
Other metal.....			11,661		
Cooking and hospital utensils, not reported by type of material.....			4,433		
Hospital utensils, except cooking and kitchen.....			1,247		67,920
Perforated metal end products, and other stamped and pressed metal end products			93,014		
Perforated metal end products.....			7,394		
Other stamped and pressed metal end products ¹			85,620		
Metal stampings, not reported by type			34,710		

See footnotes at end of table.

PRODUCT	1947	1939	PRODUCT	1947	1939
	Total shipments and interplant transfers (value f.o.b. plant)	Total production for sale and interplant transfer (value f.o.b. plant)		Total shipments and interplant transfers (value f.o.b. plant)	Total production for sale and interplant transfer (value f.o.b. plant)
Enameling, galvanizing, engraving, and plating (Consists principally of receipts for work done on materials owned by others. For each item, the value represents only work done by establishments classified in the industry to which the product (service) is primary)	\$233,303	\$45,386	Hand portable equipment, electric, incandescent	\$26,260	n.a.
Enameling, japanning, and lacquering	23,361	75,158	Flashlights and flashlight lanterns (one to five cells)	24,191	\$4,916
Galvanizing and other hot-dip coating	20,199	6,196	Other, such as miners' lights, emergency warning lights, generator flashlights, etc.	1,803	(¹)
Engraving on metal	17,268	5,864	Electric hand portable equipment, not specified by kind	266	
Electroplating, plating, and polishing	172,475	28,168	Fluorescent lighting equipment, except vehicular	122,990	(²)
Incandescent lighting equipment, except searchlights, vehicular, hand portable, street, etc.	137,367	\$59,889	Combinations of incandescent and fluorescent lighting equipment, complete units	982	
Fixtures (excluding portable lamps):			Fluorescent lighting equipment:		
Residential type:			Fixtures (excluding portable lamps):		
Interior ceiling or pendant (including bath and kitchen)	20,804	\$15,415	Residential type:	15,606	(³)
Interior wall or bracket (including bath and kitchen)	8,111		Commercial or institutional type:		
Other residential type fixtures (outdoor, porch, etc.)	4,847	\$2,072	Pendant or surface	44,450	(³)
Commercial and institutional type:			Recessed	9,518	(³)
Ornamental type (primarily for auditorium, church, and theater)	4,730	\$2,321	Industrial type:		
Utilitarian type (primarily for public building, bank, store, office building, school, etc.), other than interior display	5,615	\$8,469	General lighting	34,011	(³)
Specialized commercial and institutional lighting fixtures, such as interior display, etc.	2,691	\$757	Other industrial fixtures, including localized lighting, explosion-proof, vapor-proof, and dust-light	3,745	(³)
Industrial type:			Portable lamps (desk, etc.)	3,508	(³)
General lighting	5,754		Other fluorescent lighting equipment, complete units	962	(³)
Localized lighting	2,360	\$3,765	Parts and accessories for fluorescent lighting equipment, excluding tubes, ballasts, starting switches, and lampholders, but including reflectors, etc.	4,385	(³)
Other industrial type fixtures (including explosion-proof, vapor-proof, and dust-tight)	3,753		Fluorescent lighting equipment, not specified by type	4,914	(³)
Portable lamps:			Nonelectric lighting equipment	10,310	n.a.
Residential type:			Kerosene and gasoline lamps	1,317	
Complete with shade:			Kerosene and gasoline lanterns	5,400	3,150
Floor, bridge, and torch lamps	25,191		Other nonelectric lighting fixtures and equipment, and parts and accessories for nonelectric lighting equipment, including reflectors and fittings, incandescent mantles, etc.	3,533	(³)
Table lamps	24,264		Electric lighting equipment, n.e.c., including street and highway lighting equipment	26,196	n.a.
Pin-up lamps	2,313		Incandescent type:		
Other (including boudoir)	7,532		Street and highway lighting equipment (including luminaries, standards, newels, brackets, and accessories, but excluding traffic signals)	12,353	3,320
Lamps sold without shades:			Marine channel, sloop, and marker lights (including beacons)	1,578	1,372
Floor, bridge, and torch lamps	5,156	\$27,090	Aviation ground type lighting fixtures (airport, airway, seadrome, and flight deck)	1,618	(³)
Table lamps	3,464		Railway and other vehicular route and operational area lighting equipment	1,303	(³)
Pin-up lamps	954		Other incandescent electric lighting equipment, including parts and accessories such as reflectors, etc.	5,222	(³)
Other (including boudoir)	3,037		Other electric lighting equipment, including electrical discharge such as mercury vapor, sodium vapor, etc. (except signs)	4,036	(³)
Other portable lamps (including commercial and institutional, and industrial types)	1,430		Electric lighting equipment, n.e.c., not specified by type	80	
Incandescent lighting equipment, except searchlights, vehicular, hand portable, street, etc., not specified by type	4,861		Lighting fixtures, not specified by type	22,416	728
Searchlights, floodlights, and spotlights	10,556	5,663			
Incandescent type:					
Floodlights (general type)	6,650				
Searchlights	1,316	5,663			
Spotlights (including such items as indoor and stage, but excluding vehicular type)	1,474				
Searchlights, floodlights, and spotlights, not specified by type	1,116				
Vehicular lighting equipment, incandescent and fluorescent	115,053	n.a.			
Incandescent type:					
Motor vehicle lighting:					
Headlights, sealed beam units (except glass sealed beam)	32,388	\$26,557			
Spot, fog, and auxiliary lighting equipment	32,326				
Other (park, dome, tail lights, etc.)	42,076				
Other vehicular type lighting equipment, such as aircraft, watercraft, railway locomotive and car, streetcar, etc.)	6,001	(⁴)			
Fluorescent type	2,262	(⁵)			

^d Data withheld to avoid disclosing figures for individual companies.
n.a.—Not available.
¹ Includes only payments received by establishments classified in the vitreous-enameled products industry.
² Data for 1939 include some receipts for work done on materials owned by others.
³ "Job stampings" are mainly parts which are sold to other manufacturers for incorporation into their own products. Job stampings may be made from materials owned by the stamping establishment or from materials owned by the customer. These stampings are classified on the basis of the final or end product into which they are incorporated.
⁴ "One-piece zinc (porcelain lined) screw caps" included in "Other stamped and pressed metal end products" to avoid disclosing figures for individual companies.
⁵ A total of \$20,469,000 was reported in 1939 for "Finished tinware, other than cans" which included the two 1947 census commodities: "Tinned cooking and kitchen utensils" and "Other tinware, except cooking and kitchen utensils." A distribution of this combined value is not available. For 1947, in addition to \$19,127,000 worth of "Tinned cooking and kitchen utensils," \$25,016,000 worth of "Other tinware, except cooking and kitchen utensils" was reported. The latter is included in Industry 3411, "Tin Cans and Other Tinware."
⁶ Includes \$22,669,000 worth of stamped aluminum cooking utensils, \$1,143,000 of spun aluminum ware other than cooking utensils, \$4,110,000 of other aluminum ware, \$3,557,000 of nonferrous (except aluminum) spunware, \$5,382,000 of perforated metal end products, and \$31,059,000 of other finished articles made of nonferrous metal (except aluminum) and steel.
⁷ In 1939, in addition to the \$5,158,000 of receipts reported by establishments classified in the Enameling and Lacquering Industry, \$1,878,000 of receipts were reported by establishments classified in other industries.
⁸ Separate data were not collected on fluorescent lighting fixtures in 1939. The 1939 data for incandescent lighting fixtures, therefore, include a very small amount of fluorescent lighting fixtures.
⁹ Separate data, for 1939, are not available for "Other vehicular type lighting equipment," "Other electric hand portable equipment such as miners' lights, etc.," "Other nonelectric lighting fixtures and equipment, and parts and accessories," "Aviation ground type lighting fixtures," "Railway and other vehicular route and operational area lighting equipment," "Other incandescent electric lighting equipment, including parts and accessories such as reflectors, etc.," and "Other electric lighting equipment, including electrical discharge." The combined 1939 figure for these seven groups of commodities was \$18,412,000.

METAL BARRELS, DRUMS, AND PAILS; WIRE PRODUCTS; AND OTHER METAL PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939		PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer				Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant			Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Nails, spikes, and brads, total			\$121,692		\$53,647						
Steel wire nails, spikes, and brads	M lb.	1,615,400	94,196	1,378,886	42,565						
Bright	do	1,198,680	63,253	1,117,253	31,626						
Galvanized	do	202,017	16,671	120,507	6,191						
Lead-headed	do	16,036	2,054	(¹)	(¹)						
Cement coated	do	176,974	10,091	141,126	4,748						
Other coated	do	21,693	2,127	(¹)	(¹)						
Steel wire tacks:											
Quantity reported	do	1,446	400	4,753	523						
Quantity not reported			223								
Steel wire staples:											
Quantity reported	do	68,806	5,610	57,469	1,851						
Quantity not reported			3,819		123						
Steel cut nails, spikes, and brads (includes horse-shoe nails)	do	56,726	5,915	41,259	2,521						
Steel cut tacks, except thumb tacks	do	33,032	5,733	33,594	4,085						
Steel cut thumb tacks:											
Quantity reported	do	1,454	1,155	975	411						
Quantity not reported			269		257						
Nonferrous nails, brads, tacks, and staples:											
Quantity reported	do	4,185	2,585	2,638	711						
Quantity not reported			456								
Upholstery nails and nails, spikes, brads, tacks, and staples, not specified by kind			1,331		1,600						
Wire rope and cable, total			\$129,248		n.a.						
Iron and steel wire rope and cable	Ton	308,923	75,213	98,486	\$35,762						
Composite strand, rope and cable, except insulated (includes wire or strands of different metals)	do	174,678	603	40,934	6,037						
Guard rail cable	do	66,372	35,800	(¹)	(¹)						
Iron and steel strand, except guard rail cable	do	3,479	16,722								
Copper strand and cable, except insulated, made from purchased wire	do	63,059	910	(¹)	(¹)						
Fencing and fence gales, total			63,297		318,963						25,356
Chain link fencing (includes posts, gates and fittings when sold with fencing)	do	488,064	23,103	n.a.	n.a.						
Fence gates, wire (except chain link)	do	107,927	1,738								
Field fence	do	10,455	34,693								
Ornamental lawn fence	do	342,535	3,763								
Ornamental lawn fence	do	27,147									
Wire cloth and woven wire products, total			\$90,792		\$34,224						
Woven wire netting (poultry, fur farm, stucco, etc.)	Ton	86,108	17,552	54,252	6,956						
Insect wire screening:											
Steel	M sq. ft.	336,188	10,238	n.a.	7,486						
Copper and copper-base alloy	do	195,180	14,709	n.a.	4,884						
Nonferrous metal, except copper and copper-base alloy	do	61,903	4,479	n.a.	291						
Fourdrinier wire cloth	do	10,434	9,257	n.a.	5,376						
Cylinder wire cloth	do	1,358	1,371								
Hardware cloth	do	15,937	5,223								
Industrial wire cloth:											
Steel		n.a.	16,137	n.a.	19,231						
Nonferrous metal		n.a.	8,890								
Other wire cloth (includes diamond cloth, spiral cloth, drying belts, etc.)			2,936								
Wire springs (made of flat, round, or shaped wire), total											191,254
Upholstery and furniture springs:											
Seat and back springs for motor vehicles								69,689			23,331
Other upholstery and furniture springs								45,098			15,614
Other springs								76,467			24,021
Other wire products, total											n.a.
Welded steel wire fabric:											
Concrete reinforcing mesh	Ton	209,491	22,439	167,838	10,872						
Other welded steel wire fabric	do	33,812	4,817	n.a.	n.a.						
Barbed and twisted wire	do	257,781	27,316	230,765	13,825						
Wire bale ties	do	159,202	18,227	84,783	5,915						
Wire chain:											
Tire	do	48,729	16,512	20,670	4,139						
Other	do	66,540	19,694	28,030	5,170						
Wire garment hangers:											
Quantity reported	M lb.	103,091	11,009	19,633	1,001						772
Quantity not reported											
Other wire products (including cages, guards, lampshade frames, florists' designs, kitchen-ware goods, paper clips, etc.)									92,758		50,025
Wirework, not specified by kind									\$12,687		
Safes and vaults, total											\$6,023
Safes and chests (safes and chests are shown as fire-resistant or burglary-resistant depending upon the primary purpose for which they are built):											
Fire-resistant safes (insulated)	Units	130,566	10,668								
Burglary-resistant safes and chests	do	12,917	1,718								
Safe deposit boxes	do	776,279	10,109								
All other bank and security vaults and equipment (including bank security lockers and night depositories, interior equipment for safes and chests, safe locks, etc.)									6,242		(¹)
Steel springs, except wire, total											118,510
Leaf springs:											
Locomotive and railroad car	Ton	31,315	5,957								
Automotive (including tractor, farm equipment, and other heavy vehicle springs)	do	365,338	79,706								28,824
Helical springs, hot wound:											
Automobile knee action coil springs	do	31,118	9,203								5,081
Other helical springs, hot wound	do	67,568	12,073								
All other springs (including torsion bar springs, flat springs made of sheet or strip stock and reconditioned springs)									10,650	n.a.	n.a.
Steel springs, except wire, not specified by type									921		

See footnotes at end of table.

PRODUCT	1947						1939	
	Shipments and interplant transfers						Total production for sale and interplant transfers	
	Total		Interplant transfers		All other shipments		Quantity	Value f.o.b. plant
	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant		
(Thousands)		(Thousands)		(Thousands)		(Thousands)		
Steel shipping packages, kegs, and pails (12-gallon capacity and under) ¹⁰	60,420	\$35,604	2,367	\$1,212	58,053	\$34,392	40,580	\$10,966
<i>Totals reported on monthly census Bureau reports M75A. (Includes containers made and filled in the same establishment. See text for explanation of differences from 1947 census figures shown above.)</i>	61,344	n.a.	4,389	n.a.	56,955	n.a.		
1 to but not including 5-gallon capacity.....	8,358	n.a.	1,241	n.a.	4,294	n.a.		
3 to but not including 5-gallon capacity.....					34,069	n.a.		
5-gallon capacity, 24 gauge.....					8,331	n.a.		
5-gallon capacity, 28 gauge.....					7,802	n.a.		
5-gallon capacity, all other gauges.....	52,986	n.a.	3,148	n.a.	2,209	n.a.		
Over 5 to but not including 7-gallon capacity.....					2,160	n.a.		
7 to but not including 12-gallon capacity.....					267	n.a.		
12-gallon capacity.....								
		135,941						42,611
Metal shipping barrels and drums								
Steel shipping barrels and drums (over 12-gallon capacity) ¹¹	7,004	11,440	1,056	\$1,521	5,948	\$9,919		
Light types.....								
<i>Totals reported on monthly census Bureau reports M75A. (Includes containers made and filled in the same establishment. See text for explanation of differences from 1947 census figures shown above.)</i>	8,800	n.a.	2,768	n.a.	6,032	n.a.		
Welded side seam construction.....	8,800	n.a.	2,768	n.a.	1,597	n.a.		
Lock side seam construction.....					4,215	n.a.		
100-lb. grease drums.....					220	n.a.		
Heavy types.....	27,035	96,301			27,035	96,301	(12)	40,452
<i>Totals reported on monthly Census Bureau reports M75A. (See text for explanation of differences from 1947 census figures shown above.)</i>	27,062	n.a.			27,062	n.a.		
Heavier than 16 gauge, all capacities.....	420	n.a.			420	n.a.		
16 gauge, 55-gallon capacity.....	555	n.a.			555	n.a.		
18 gauge, 55-gallon capacity.....	20,405	n.a.			20,405	n.a.		
100-lb. grease drums.....	3,366	n.a.			3,366	n.a.		
20 gauge body with 18 gauge heads, 55-gallon capacity.....	2,306	n.a.			2,306	n.a.		
All other heavy types, all capacities.....								
Beer barrels, steel, all sizes.....	1,213	17,546						
Beer barrels, aluminum, all sizes.....	515	7,234						
Parts for metal barrels, drums, and pails; etc.....		3,420						13,219

n.a.—Not available.

¹ Separate data not available.

² The 1939 figure includes upholstery nails only.

³ Separate data on composite strand, rope and cable were not collected in 1939. The 1939 statistics for most types of composite strand, rope and cable were included with the data for bare wire, i.e., the copper wire content of composite cable was included with copper wire, the aluminum content with aluminum wire, etc.

⁴ Comparable data for 1939 not available. The figures for this item originally published in 1939 represent the total production of copper strand and cable, including that made by manufacturers who draw their own wire, whereas the 1947 data represent only shipments by producers who purchase copper wire.

⁵ Includes steel wire cloth valued at \$6,684,000 and nonferrous wire cloth valued at \$2,547,000.

⁶ Probably includes a small quantity of flat springs made of sheet or strip stock. See footnote 9.

⁷ No detailed commodity statistics were collected for the industry in 1939.

⁸ The quantity of springs produced was not reported by all manufacturers in 1939. The quantities reported, and the values relating to these quantities, were as follows: Leaf springs, 196,658 short tons at \$23,883,000; helical springs, hot wound, 35,480 short tons at \$4,480,000.

⁹ Probably does not include the total shipments of flat springs made of sheet or strip stock. In general, flat springs are made by wire spring manufacturers and it is likely that some wire spring manufacturers reported their total shipments of springs (both wire and flat) in a combined form.

¹⁰ Steel packages, kegs, and pails are defined as single-walled, cylindrical shipping containers, with a range of capacity from 1 to 12 gallons inclusive, constructed of steel heavier than 20 gauge. This term does not include tin cans (packers' cans, general line cans, and beer cans), terneplate oil containers, high and low pressure gas steel cylinders, fluid milk shipping containers, ice cream cans, or containers not commercially usable in the transportation of commodities. In addition, 1939 data do not include stainless steel packages, kegs, and pails.

¹¹ Steel shipping barrels and drums are defined as single-walled, cylindrical, or bilged shipping containers, with a range of capacity from 12 to 132 gallons, constructed of steel. This term does not include tin cans (packers' cans, general line cans, beer cans), terneplate oil containers, high and low pressure gas steel cylinders, beer barrels, fluid milk shipping containers, ice cream cans, or containers not commercially usable in the transportation of commodities. In addition, 1939 data do not include stainless steel barrels and drums.

Light type steel barrels and drums include:

- Barrels and drums of lighter than 20 gauge steel.
- Barrels and drums wholly or partly of 20 gauge steel if of open-head construction.
- Grease drums of 100 pounds capacity if steel is lighter than 20 gauge steel.

Heavy type steel barrels and drums include:

- Barrels and drums of welded side seam construction of 19 gauge or heavier steel.
- Grease drums of 100 pounds capacity of 20 gauge or heavier steel.
- Barrels and drums wholly or partly of 20 gauge steel when of other than open-head construction.

¹² In the 1939 census, not all manufacturers used the same gauges as the dividing line between heavy and light types of steel shipping barrels and drums. As a result, the quantity data reported for each type were not homogeneous and not comparable with those reported for 1947.

¹³ Includes stainless steel shipping barrels, drums, kegs, and pails and other metal casings.

BOLTS, NUTS, AND RIVETS; SCREW-MACHINE PRODUCTS; AND OTHER METAL PRODUCTS

[Money figures in thousands of dollars]

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Standard bolts, nuts, washers, rivets, and screws, total			\$446,701		\$131,929
Bolts, rods, lag screws, and studs (including nuts when nuts and bolts are sold as a unit):					
Ferrous metal.....	Thousand pounds.....	1,032,577	129,121	(?)	(?)
Nonferrous metal.....	do.....	6,909	4,468	(?)	(?)
Nuts:					
Locknuts and similar nut devices:					
Ferrous metal, quantity reported.....	Thousand pieces.....	2,479,369	19,118	(?)	(?)
Ferrous metal, quantity not reported.....			4,683		
Nonferrous metal.....	Thousand pieces.....	584,857	2,779	(?)	(?)
Other nuts (including stove, machine screw, and wing nuts):					
Ferrous metal, total.....			37,808		
Quantity reported in pieces.....	Thousand pieces.....	8,439,021	28,710	(?)	(?)
Quantity reported in tons.....	Ton.....	26,567	9,098		
Nonferrous metal.....	Thousand pieces.....	1,177,724	5,362	(?)	(?)
Screws:					
Cap and set screws:					
Ferrous metal, total.....			56,534		
Quantity reported in pieces.....	Thousand pieces.....	3,850,250	46,381		
Quantity reported in tons.....	Ton.....	24,704	10,153	(?)	10,629
Nonferrous metal, quantity reported.....	Thousand pieces.....	34,817	1,056		
Nonferrous metal, quantity not reported.....			237		
Machine screws and stove bolts:					
Ferrous metal, total.....			32,185		
Quantity reported in pieces.....	Thousand pieces.....	13,628,394	29,349	(?)	8,347
Quantity reported in tons.....	Ton.....	5,604	2,836		
Nonferrous metal, quantity reported.....	Thousand pieces.....	2,519,610	7,873	(?)	2,408
Nonferrous metal, quantity not reported.....			1,295		
Sheet metal and tapping screws (thread forming screws):					
Ferrous metal, total.....			16,812		
Quantity reported in pieces.....	Thousand pieces.....	6,775,345	15,729	(?)	3,534
Quantity reported in tons.....	Ton.....	1,266	1,083		
Nonferrous metal.....	Thousand pieces.....	183,143	438		
Wood and drive screws:					
Ferrous metal, total.....			20,202		
Reported in pieces.....	Gross.....	55,613,807	17,718	(?)	6,026
Reported in tons.....	Ton.....	4,394	2,484		
Nonferrous metal.....	Gross.....	7,258,500	4,794	(?)	1,140
Washers:					
Plate (flat):					
Ferrous metal.....	Thousand pounds.....	93,182	11,186	63,065	3,651
Nonferrous metal.....	do.....	5,849	2,640	(?)	(?)
Spring and lock:					
Ferrous metal, total.....			11,951		
Reported in pieces.....	Thousand pieces.....	10,339,541	10,698	n.a.	5,481
Reported in tons.....	Ton.....	3,653	1,253		
Nonferrous metal.....	Thousand pieces.....	271,245	670	(?)	(?)
Rivets:					
Ferrous metal:					
7/16" and under, total.....			18,832		
Reported in pieces.....	Thousand pieces.....	8,267,238	9,027		
Reported in tons.....	Ton.....	46,840	9,805		
1/2" and over, total.....			13,585	(?)	13,608
Reported in pieces.....	Thousand pieces.....	5,366,774	3,537		
Reported in tons.....	Ton.....	84,223	10,048		
Nonferrous metal, total.....			10,000		
Reported in pieces.....	Thousand pieces.....	5,433,272	8,176	(?)	(?)
Reported in tons.....	Ton.....	1,824	1,478		
Turnbuckles and toggle bolts.....			1,405		2,854
Cotter pins:					
Ferrous metal.....			2,614		n.a.
Nonferrous metal.....			780		n.a.
Standard bolts, nuts, washers, rivets, and screws (not specified by kind) ¹			28,273		
Specials—products other than the items listed above, made on the same machines (headers, threaders, nut-forming machines) that are used in the production of bolts, nuts, rivets, etc., total			36,791		n.a.
Ferrous metal.....			33,129		n.a.
Nonferrous metal.....			3,662		n.a.
Screw machine products.....			225,067		55,387
Collapsible tubes, and caps, spouts, etc., for collapsible tubes, total			23,772		n.a.
Collapsible tubes:					
Aluminum.....	Gross.....	905,518	4,430		
Lead.....	do.....	2,370,630	8,505		
Tin.....	do.....	558,203	1,765	3,094,339	8,398
Tin-coated.....	do.....	1,332,393	5,420		
All other types ²	do.....	672,000	2,274		
Caps, spouts, applicators, and screw eyes for collapsible tubes.....			1,378		n.a.

See footnotes at end of table.

PRODUCT	Unit of measure	1947		1939	
		Total shipments and interplant transfers		Total production for sale and interplant transfer	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Foil and leaf, total			\$57,347		\$20,806
Foil: ⁹					
Aluminum.....	Thousand pounds ¹⁰	81,544	48,026	(11)	18,850
Tin.....	do ¹⁰	184	181		
Other, including composition (combination of two or more metals).....	do ¹⁰	9,296	4,991		
Leaf:					
Gold leaf:					
In books.....	Books of 500 sheets..	63,170	1,453	86,264	1,235
In rolls, sized and unsized ¹²	Rolls of 100' x 1'.....	490,592	1,550	76,616	253
Imitation gold leaf.....	do.....	3,362,184	665		
Aluminum leaf.....			213		459
All other leaf (including nonmetallic stamping and embossing materials made from pigments).....			268		
Fabricated metal products, n.e.c. (includes miscellaneous fabricated metal products such as: frogs, switches, crossings and similar railway track accessories; aluminum giftware; metal bookends; aluminum ladders, etc.).....			108,587		n.a.

n.a.—Not available.

¹ Does not include the value of cotter pins produced in 1939.

² The total value of ferrous bolts, rods, lag screws, studs, and nuts amounted to \$65,397,000 in 1939. This included production of 830,280,000 pounds valued at \$60,469,000, and production valued at \$4,928,000, for which quantity was not reported.

³ Total value of nonferrous bolts, nuts, washers, and rivets was \$8,854,000 in 1939. Separate data by product are not available.

⁴ The quantity of screws produced was not reported by all manufacturers in 1939. The quantities reported and the values relating to these quantities are as follows: cap and set screws, ferrous and nonferrous—927,852,000 pieces at \$6,218,000; ferrous machine screws—4,701,163,000 pieces at \$5,005,000; nonferrous machine screws—637,588,000 pieces at \$1,826,000; sheet metal screws, ferrous and nonferrous—1,029,261,000 pieces at \$1,881,000; ferrous wood and drive screws—32,719,119 gross at \$4,959,000; nonferrous wood and drive screws—2,990,225 gross at \$1,078,000.

⁵ 131,253 short tons was reported with a value of \$12,573,000 in 1939. Quantity was not reported for the remaining \$1,035,000.

⁶ Includes the value of nonferrous turnbuckles and toggle bolts as does the 1947 figure.

⁷ More than 50 percent of the value, for which this type of product was not specified, consisted of ferrous cap and set screws, ferrous wood and drive screws, and ferrous rivets 7/16 inch and under.

⁸ Consists mainly of special alloys of tin, lead, and other metals.

⁹ Data include a quantity of foil reported twice: once as unlaminated foil and again as foil laminated to paper, or other materials. The duplication amounted to 11½ million pounds of aluminum foil and negligible quantities of other types of foil.

¹⁰ Quantity figures are shown in terms of metal content.

¹¹ Quantity of foil produced was not reported by all establishments in 1939. 80,746,000 pounds were reported at a value of \$17,486,000.

¹² A small quantity of unsized rolls of 67 feet by 1 inch have been converted to 100 feet by 1 inch.