

MISCELLANEOUS FOOD PREPARATIONS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of leavening compounds, shortening, cooking oils, oleomargarine, corn products, flavorings, vinegar, cider, manufactured ice, macaroni, spaghetti, and other food preparations, not elsewhere classified. These establishments have been classified in the 10 industries described separately below.

Leavening Compounds (*Full Standard Industrial Classification title and number: Baking Powder, Yeast, and Other Leavening Compounds, 2091.*)—This industry comprises establishments primarily engaged in the manufacture of baking powder, yeast, and other compounds used for leavening purposes.

Shortening and Cooking Oils (*Full Standard Industrial Classification title and number: Shortening and Other Cooking and Edible Fats and Oils, Not Elsewhere Classified, 2092.*)—This industry comprises establishments primarily engaged in manufacturing edible vegetable and compound shortenings, vegetable cooking oils, salad oils, and other refined table oils, not elsewhere classified, by further processing of purchased animal and vegetable oils. Establishments primarily engaged in producing oleomargarine are classified in Industry 2093, corn oil in Industry 2094, and cottonseed, linseed, soybean, marine, and other animal and vegetable oils in Group 288, Vegetable and Animal Oils and Fats. Establishments primarily engaged in crushing olives for oil also were included in this industry for the 1947 census, but not for previous years. Since U. S. production of olive oil is of minor importance, the effect of this change in definition on the statistics shown in table 1 is negligible, except for an increase in the number of establishments included in the industry.

For most of the fats and oils shown in table 6, the quantity figures are in close agreement with those compiled and published each month by the Bureau of the Census in Facts for Industry Series M17 (for a detailed comparison, see Series M17-7-07). For olive oil, however, the Census of Manufactures included a number of establishments which were not covered in the monthly survey.

Shortening and oil plants operated by meat packing companies reported shipments and cost of materials for a fiscal year ending November 1, but the effect of this variation from the calendar year on the statistics appears to be negligible.

Oleomargarine (*Standard Industrial Classification No. 2093.*)—This industry comprises establishments primarily engaged in manufacturing oleomargarine, margarine, nut margarine, etc.

Margarine plants operated by meat packing companies reported shipments and cost of materials for a fiscal year ending November 1, which appears to have caused a difference of about one percent between shipments of margarine as shown in table 6 and withdrawals for the calendar year as reported by the Bureau of Internal Revenue. The employment figures and other general statistics are on a calendar year basis.

Corn Products (*Full Standard Industrial Classification title and number: Corn Sirup, Corn Sugar, Corn Oil, and*

Starch, 2094.)—This industry comprises establishments primarily engaged in manufacturing sirup, sugar, oil, and starch from corn. Establishments primarily engaged in manufacturing potato, rice, wheat, root, and other starches are also included in this industry.

Wet process corn milling establishments (producers of corn sirup, etc.) are few in number, but account for about 96 percent of the output of this industry. Statistics for wet process plants are shown separately in table 1 for 1947. Comparable statistics for other years are available in earlier census publications.

Flavorings (*Full Standard Industrial Classification title and number: Flavoring Extracts and Flavoring Sirups, Not Elsewhere Classified, 2095.*)—This industry comprises establishments primarily engaged in manufacturing flavoring extracts, sirups, and fruit juices, not elsewhere classified, for soda fountain use or for the manufacture of soft drinks, and colors for bakers' and confectioners' use. Important products of this industry include flavoring extracts; flavoring concentrates; flavoring powders and pastes; burnt-sugar and other food colors; flavoring sirups, and crushed fruit for fountain use.

Vinegar and Cider (*Standard Industrial Classification Industry No. 2096.*)—This industry comprises establishments primarily engaged in manufacturing vinegar and cider in factories, not including small custom mills or those located on farms which are classified in Agriculture.

Manufactured Ice (*Standard Industrial Classification No. 2097.*)—This industry comprises establishments primarily engaged in manufacturing ice for sale. Establishments engaged in manufacturing dry ice are classified in Industry 2896, and the harvesting and storage of natural ice are classified in trade industries. The industry does not include establishments primarily operated as cold storage warehouses, although some ice is manufactured in such establishments. Small ice plants operated as family enterprises with no outside help are also excluded.

Macaroni and Spaghetti (*Full Standard Industrial Classification title and number: Macaroni, Spaghetti, Vermicelli, and Noodles, 2098.*)—This industry comprises establishments primarily engaged in manufacturing macaroni, spaghetti, vermicelli, and noodles.

Liquid, Frozen, and Dried Eggs (*Census number 2090, part of Standard Industrial Classification No. 2099.*)—This industry comprises establishments primarily engaged in the processing of shell eggs into liquid, frozen, canned, or dried eggs.

A large part of the total output of frozen eggs is produced during the surplus egg season in public cold storage warehouses. Since the Census of Manufactures does not cover such establishments, the statistics on shipments of frozen eggs (table 6) substantially understate the total U. S. production. The statistics on dried eggs do not include the output of egg wholesalers and producers cooperatives, amounting to about 15 percent of the total. The U. S. Department of Agriculture issues monthly reports on the total production of dried and frozen eggs.

Food Preparations, Not Elsewhere Classified (*Part of Standard Industrial Classification No. 2099, excluding processed eggs, mincemeat and sandwich spread.*)—This industry comprises establishments primarily engaged in manufacturing prepared foods and miscellaneous food specialties, not elsewhere classified, such as baked beans (not canned); bakers', confectioners', and household supplies (including chili pepper and powder, desiccated and shredded coconut, marshmallow creme, pie and cake fillings, and powdered sugar); bouillon cubes; brown bread (canned Boston, and other); instant chocolate and cocoa; ready-to-mix desserts; "health foods;" ice-cream cones and wafers; Italian, Spanish, Mexican, and Chinese cakes and other "native" preparations; meat pies; molasses (mixed or blended); peanut products (except peanut

candy and salted peanuts); pectin; potato chips; ravioli; spices and meat seasonings; and sweetening sirups, including honey, maple sirup, and sorghum. Establishments primarily engaged in roasting coffee are included in this industry, but coffee roasting done by wholesale grocers is classified in trade industries. Establishments primarily engaged in processing eggs are classified in Industry 2090, mincemeat in Industry 2033, and sandwich spread (salad dressing base) in Industry 2035.

Coffee roasting plants were covered in the 1931 and previous censuses, but omitted for 1933-39. Because of this and other differences in the previous definitions of this industry, no comparable statistics for earlier years can be shown in table 1.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS
[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, supplies, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
2091 Leavening compounds:								
1947	48	3,006	\$8,944	2,364	\$6,804	\$46,494	\$25,801	\$72,295
1939	47	4,023	7,554	2,334	3,054	17,312	14,463	31,775
1937	40	2,921	5,173	2,380	3,761	16,040	13,330	30,270
1935	40	3,355	6,327	2,666	4,278	17,938	14,403	32,341
1933	40	3,274	4,954	2,690	3,654	18,863	13,112	31,975
1931	45	n.a.	n.a.	2,881	4,798	26,281	20,746	47,027
1929	48	3,050	7,248	3,006	4,847	29,739	22,598	52,337
1927	47	4,024	7,470	3,032	4,794	31,007	24,619	55,716
1925	49	3,899	6,778	2,931	4,063	29,971	23,376	53,347
1923	57	4,052	7,979	3,507	4,920	30,934	21,657	51,691
1921	62	5,005	7,065	3,557	4,479	28,220	24,666	52,886
1919	88	4,841	6,302	3,331	3,555	19,595	26,635	46,230
1914	124	3,522	3,148	2,270	1,241	11,444	10,895	22,339
1909	144	3,421	2,756	2,155	1,046	11,437	9,338	20,775
1904	104	3,205	1,980	2,449	1,042	10,103	8,040	19,043
1899	191	2,687	1,552	1,938	717	7,441	7,127	14,568
2092 Shortening and cooking oils:								
1947	100	8,003	24,550	5,031	16,298	162,146	737,405	884,713
1939	82	n.a.	n.a.	4,913	5,638	33,131	158,742	191,873
1937	48	6,104	8,097	4,901	5,661	35,112	204,383	239,405
1935	48	5,898	6,802	4,845	4,709	34,713	177,976	212,689
1933	49	4,444	4,585	3,658	3,217	17,681	68,149	85,930
1931	50	n.a.	n.a.	3,692	4,011	15,461	99,841	115,302
1929	40	3,771	5,101	2,966	3,381	15,522	139,031	154,553
1927	33	3,186	3,913	2,655	2,624	11,380	137,079	148,408
1925	26	2,202	2,490	1,962	1,839	11,342	98,660	110,002
1923	27	2,152	2,489	1,684	1,406	6,391	52,396	58,787
1921	24	1,383	1,750	1,087	1,050	2,412	31,076	33,488
1919	27	3,072	3,657	2,300	2,423	10,394	110,855	121,249
1914	20	2,577	1,632	1,702	765	9,224	38,438	47,062
2093 Oleomargarine:								
1947	27	2,567	8,337	1,806	5,279	43,750	169,749	214,598
1939	18	1,709	2,890	984	1,295	21,367	21,735	34,102
1937	16	1,599	2,469	1,214	1,607	13,576	30,987	44,563
1935	14	1,512	1,992	1,176	1,303	9,109	23,293	32,402
1933	16	1,120	1,330	841	855	4,454	8,312	12,766
1931	32	n.a.	n.a.	1,043	1,352	7,549	15,269	22,818
1929	41	2,116	3,654	1,534	2,204	15,632	30,890	46,522
1927	36	2,068	3,540	1,502	2,258	12,137	27,145	39,282
1925	38	2,188	3,384	1,639	2,278	11,472	28,384	39,856
1923	31	2,046	3,073	1,484	1,921	10,181	25,772	35,953
1921	45	2,782	4,569	2,041	2,728	11,115	28,062	39,177
1919	42	3,807	5,168	2,851	3,184	13,773	66,043	79,816
1914	17	1,204	1,081	917	584	4,823	10,257	15,080
1909	12	772	689	606	413	6,497	6,497	8,148
1904	14	728	509	522	316	1,176	4,398	5,674
1899	24	1,478	946	1,084	534	4,860	7,640	12,500
2094 Corn products:								
1947 Wet process corn milling	14	11,745	30,391	9,701	31,540	121,638	322,440	444,084
1947 Other starch processing	41	579	1,724	457	1,148	5,505	10,389	15,894
1947 total	55	12,324	41,115	10,158	32,688	127,143	332,835	459,978
1939	35	9,024	15,726	6,764	10,586	52,493	66,913	110,406
1937	27	8,137	13,492	7,010	10,411	39,358	96,462	135,820
1935	36	8,616	11,876	7,337	8,436	33,369	70,263	103,632
1933	28	8,692	10,986	7,591	8,575	45,941	47,420	93,361
1931	43	n.a.	n.a.	6,652	7,963	44,689	54,034	98,723
1929	35	8,218	14,009	6,730	9,873	61,699	104,285	165,984
1927	26	8,254	13,565	6,972	10,490	48,555	90,906	134,451
1925	30	7,835	12,652	6,492	9,378	39,834	93,064	132,898
1923	31	7,748	11,929	6,537	9,090	42,079	74,481	116,560
1921	32	7,097	10,069	6,131	7,840	29,180	50,861	80,041
1919	56	8,657	14,175	7,795	11,962	55,927	130,329	186,256
1914	89	5,887	5,490	4,509	3,550	12,407	40,208	52,615
1909	118	5,741	4,080	4,773	2,666	11,900	39,890	48,709
1904	140	5,298	3,296	4,679	2,641	7,131	25,519	32,650
1899	132	0,496	3,586	5,943	2,855	9,347	21,580	30,927

See footnotes at end of table.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, supplies, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Flavorings:								
1947	606	11,726	\$37,149	7,242	\$17,720	\$153,333	\$155,240	\$313,573
1939	477	6,950	12,300	3,589	3,764	89,734	50,168	139,902
1937	368	5,817	8,292	4,162	4,274	71,617	40,280	117,897
1935	407	4,563	6,708	2,902	2,661	33,690	20,185	67,876
1933	383	3,568	4,237	2,287	2,184	33,836	20,333	84,169
Vinegar and cider:								
1947	118	987	2,094	828	1,579	3,503	5,070	8,579
1939	132	1,330	1,356	1,059	877	3,240	4,200	7,506
1937	117	1,169	1,235	974	836	2,653	3,774	6,427
1935	125	1,266	1,504	1,037	1,002	3,757	4,761	8,518
1933	121	1,009	1,003	844	724	2,688	3,043	6,631
1931	137	n.a.	n.a.	848	885	3,257	4,249	7,506
1929	172	1,262	1,652	979	1,022	4,434	6,010	10,450
1927	158	1,438	1,922	1,123	1,236	4,897	5,868	10,765
1925	161	1,534	1,854	1,243	1,232	5,395	6,838	12,233
1923	190	1,719	2,118	1,317	1,279	5,073	7,462	12,535
1921	227	1,890	2,437	1,481	1,578	8,355	9,804	18,240
1919	720	2,609	3,215	1,981	2,047	9,164	15,559	24,723
1918	618	1,741	1,300	1,229	713	3,371	4,440	7,811
1914	963	2,023	1,262	1,542	723	3,484	4,964	8,448
1909	568	1,869	1,084	1,528	725	3,413	3,862	7,205
1904	613	2,008	1,043	1,557	652	2,708	3,134	5,932
Manufactured ice:								
1947	3,432	46,462	103,038	29,048	63,026	226,584	40,831	273,415
1939	3,975	37,230	43,960	15,912	17,692	104,156	20,010	130,106
1937	3,847	24,721	32,671	18,705	21,603	109,025	27,517	136,542
1935	3,850	26,583	34,895	19,032	20,635	100,337	28,048	128,385
1933	3,699	26,952	31,563	12,332	22,849	112,304	20,950	139,263
1931	4,111	n.a.	n.a.	25,217	33,650	156,949	35,078	192,027
1929	4,110	39,549	59,220	32,184	42,399	171,144	39,808	210,952
1927	3,169	29,155	47,283	32,611	22,120	143,979	40,810	184,795
1925	3,077	31,682	49,075	24,915	35,046	142,244	44,725	186,900
1923	3,097	34,037	48,673	26,852	35,040	117,998	40,664	164,002
1921	2,715	30,347	44,567	24,066	32,630	107,715	51,174	158,889
1919	2,867	37,039	44,954	30,247	34,002	94,127	42,878	137,005
1914	2,543	28,431	20,546	23,011	14,841	42,631	17,765	60,389
1909	2,004	20,041	13,647	16,114	9,779	31,630	11,317	42,983
1904	1,320	12,433	7,550	10,101	5,549	17,779	6,011	23,700
1899	787	8,478	4,659	6,933	3,424	10,535	3,340	13,875
Macaroni and spaghetti:								
1947	226	8,043	18,763	6,628	13,134	42,040	70,045	112,094
1939	328	8,140	9,351	6,013	5,383	19,224	26,929	46,153
1937	319	7,436	7,689	6,452	5,719	17,523	32,830	60,359
1935	336	6,979	7,271	6,005	5,306	16,788	31,811	47,590
1933	296	6,155	5,275	5,492	4,265	15,507	20,385	35,892
1931	309	n.a.	n.a.	4,764	4,474	15,914	20,311	30,225
1929	353	5,964	7,687	5,072	5,384	19,738	27,330	47,074
1927	353	5,459	7,167	4,587	5,071	17,910	27,434	45,353
1925	327	n.a.	n.a.	4,560	5,026	16,098	27,491	43,489
1923	343	4,915	5,972	4,098	4,332	12,911	16,646	29,567
1921	409	4,645	5,240	3,865	3,749	11,049	19,964	31,013
1919	557	5,539	5,875	4,543	4,168	11,647	25,110	37,057
1914	373	4,184	2,389	3,534	1,638	4,940	7,938	12,884
Liquid, frozen, and dried eggs:								
1947	154	9,800	16,570	8,700	13,284	32,209	221,204	253,413
1939	41	n.a.	n.a.	1,388	879	3,395	10,954	20,340
Food preparations, n.e.c.:								
1947	1,925	47,816	121,465	34,992	69,915	350,871	961,605	1,912,400

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "Shortening and cooking oils" and "Oleomargarine" see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.² Figures for years prior to 1935 do not include cost of contract work.³ For 1947 and 1929, the figures represent value of products shipped, except in the case of "Vinegar and cider" for 1947 and "Shortening and cooking oils" for 1929, where they represent value of products made; for all other years, the figures represent value of products made. See GENERAL EXPLANATIONS—Value of products shipped.⁴ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. Value added in 1939, before retabulation and on a basis comparable with earlier years, was \$31.9 million.⁵ The figures for 1927-47 include, whereas those for 1914-25 exclude, data for establishments primarily engaged in the manufacture of vegetable cooking oils.⁶ "Shortenings and cooking oils" and "Macaroni and spaghetti" were formerly included with "Food preparations, n.e.c." Separate figures are, therefore, not available prior to 1914.⁷ The figures for "Flavorings" for 1931 and earlier years are not sufficiently comparable with those for later years to be shown in this table because they include data for malt extracts and exclude data for certain dairymen's supplies.⁸ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for earlier years.⁹ No comparable figures are available for 1939. See text on industry.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Leavening compounds, total ¹	48	3,066	\$8,944	2,364	4,902	\$6,804	\$46,494	\$25,801	\$72,295	\$1,230
New Jersey	6	393	1,133	300	632	806	3,237	2,601	5,888	260
Illinois	6	803	2,484	609	1,232	1,830	12,176	9,910	22,086	362
Shortening and cooking oils, total ¹	100	8,003	24,550	5,931	12,267	16,298	162,146	737,405	884,713	7,216
Northeast	15	2,280	7,655	1,596	2,972	4,705	47,209	181,929	208,195	2,596
New Jersey	6	1,381	4,953	965	1,900	2,997	30,956	104,101	134,655	2,311
North Central	12	1,967	6,425	1,416	3,063	4,193	50,376	198,316	243,425	1,230
Illinois	8	961	3,145	690	1,603	2,038	18,502	111,350	124,326	347
South Atlantic	6	725	1,865	570	1,218	1,329	11,871	81,829	91,958	374
East South Central	8	1,066	2,690	825	1,848	1,910	16,189	122,276	133,837	621
West South Central	15	1,445	4,068	1,122	2,330	2,879	25,476	128,425	153,318	1,389
Texas	11	975	2,951	727	1,472	2,027	21,709	82,006	103,425	810
West	44	520	1,847	402	836	1,282	11,025	44,630	53,980	1,006
California	40	507	1,814	391	816	1,255	10,860	43,902	53,091	1,006
Oleomargarine, total ¹	27	2,567	8,337	1,806	4,012	5,279	43,750	169,749	214,598	1,114
Northeast and North Central	17	1,891	6,235	1,260	2,804	3,793	29,036	121,167	151,196	864
Ohio	3	229	606	120	251	295	3,321	17,995	21,020	137
Illinois	5	838	2,877	559	1,273	1,671	9,036	47,082	57,451	454
South and West	10	676	2,102	537	1,208	1,486	14,714	48,582	63,402	250
Corn products, total ¹	55	12,324	41,115	10,158	23,032	32,688	127,143	332,835	459,978	20,090
New England	21	187	541	141	445	405	1,553	2,850	4,403	89
Middle Atlantic	8	122	355	100	246	240	1,094	2,491	3,585	51
East North Central	10	7,853	26,234	6,470	14,367	21,143	87,203	214,016	301,219	11,405
West North Central	9	4,076	13,680	3,344	7,738	10,668	36,430	112,435	148,865	8,423
South and West	7	106	305	83	236	232	863	1,043	1,906	122
Flavorings, total ¹	606	11,726	37,149	7,242	14,626	17,720	158,333	155,240	313,573	7,626
New England	49	534	1,400	348	625	636	3,149	4,072	7,221	482
Massachusetts	35	327	876	205	372	374	2,034	2,041	4,075	72
Middle Atlantic	181	3,920	13,622	2,249	4,668	5,760	56,214	49,035	105,240	1,601
New York	127	2,807	10,233	1,435	2,965	3,744	40,396	33,090	73,456	1,288
New Jersey	24	731	2,207	578	1,223	1,496	12,960	12,457	25,417	197
Pennsylvania	30	382	1,182	236	480	620	2,858	3,618	6,376	206
East North Central	163	2,685	8,427	1,797	3,608	4,302	28,875	30,005	58,850	1,036
Indiana	18	308	638	236	453	423	1,109	1,632	2,741	112
Illinois	65	1,488	5,052	1,003	2,085	2,508	21,018	20,148	41,166	428
Michigan	26	200	761	113	234	265	1,361	2,087	3,438	120
West North Central	53	602	1,871	423	837	963	9,257	9,946	19,203	190
Missouri	29	477	1,512	336	664	759	8,276	8,942	17,217	163
South Atlantic	51	1,080	3,265	698	1,417	1,461	24,703	25,429	50,132	1,024
Georgia	13	501	1,667	312	551	667	12,813	14,689	27,502	151
East South Central	13	175	614	123	249	296	3,310	2,932	6,242	293
West South Central	27	416	1,178	253	521	518	14,027	12,883	20,610	1,516
Mountain	8	60	173	42	75	105	928	398	1,326	38
Pacific	71	2,254	6,699	1,309	2,626	3,679	17,870	20,840	38,710	1,856
Washington	8	294	911	153	304	362	1,654	1,629	3,183	60
California	57	1,870	5,612	1,101	2,211	3,174	14,776	17,967	32,743	1,199
Vinegar and cider, total ¹	118	987	2,094	828	1,734	1,579	3,503	5,076	8,579	428
New England	16	94	158	81	145	125	275	456	731	59
Middle Atlantic	31	175	381	143	352	307	698	1,232	1,930	123
New York	24	106	231	90	206	190	503	870	1,373	85
Other Divisions	71	718	1,555	604	1,237	1,147	2,530	3,388	5,018	246
Illinois	6	105	308	87	198	216	397	432	829	79
California	9	101	232	86	201	202	531	484	1,015	31
Manufactured ice, total ¹	3,432	46,464	103,038	29,048	70,741	63,026	226,534	46,831	273,415	20,345
New England	131	1,184	2,885	855	2,064	2,168	7,973	1,990	9,963	528
Massachusetts	66	626	1,532	475	1,050	1,169	5,209	1,250	6,469	245
Rhode Island	22	197	484	131	340	320	808	265	1,163	43
Connecticut	34	305	758	241	582	614	1,493	422	1,915	(d)
Middle Atlantic	383	4,078	10,416	2,909	7,027	7,302	24,465	6,000	30,465	1,269
New York	136	1,770	4,880	1,233	3,094	3,340	11,530	2,578	14,108	462
New Jersey	60	609	1,644	446	1,045	1,192	3,700	1,016	4,716	188
Pennsylvania	187	1,699	3,892	1,230	2,888	2,770	9,235	2,406	11,641	619
East North Central	399	6,458	16,242	3,581	8,420	9,415	35,489	6,571	42,060	2,800
Ohio	119	1,522	3,854	786	1,914	2,006	8,631	1,655	10,186	605
Indiana	82	1,412	3,061	799	1,890	2,042	5,975	1,316	7,291	848
Illinois	182	2,816	5,912	1,433	3,233	3,715	12,835	2,476	15,311	961
Michigan	45	735	1,471	329	796	1,019	5,010	788	5,798	338
Wisconsin	21	473	1,344	234	587	633	3,038	436	3,474	108
West North Central	285	3,691	8,275	2,559	6,017	5,659	17,177	3,666	20,843	1,320
Minnesota	8	345	750	223	547	623	1,719	219	1,938	167
Iowa	41	780	2,007	414	1,017	993	3,708	686	4,464	464
Missouri	120	1,844	2,958	1,033	2,386	2,247	6,897	1,675	8,572	423
Nebraska	28	362	256	631	577	577	1,459	363	1,822	67
Kansas	81	806	1,638	601	1,367	1,150	3,083	683	3,766	181
South Atlantic	715	10,383	10,703	5,766	14,466	10,695	44,857	9,632	54,489	4,466
Virginia	70	1,185	2,270	637	1,588	1,165	4,955	1,031	5,986	451
West Virginia	28	245	514	182	368	330	925	257	1,182	125
South Carolina	94	1,820	2,234	676	1,772	1,143	4,191	987	5,178	418
Georgia	147	2,086	4,146	1,187	2,835	1,821	9,784	2,000	11,784	1,121
Florida	149	2,514	5,704	1,452	3,729	3,040	13,353	2,814	16,167	1,578

See footnotes at end of table.

CENSUS OF MANUFACTURES: 1947

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Manufactured ice—Continued	406	4,813	\$8,714	2,730	6,633	\$4,673	\$20,426	\$3,884	\$24,310	\$1,460
East South Central.....	65	852	1,825	503	1,200	1,024	3,789	770	4,559	430
Kentucky.....	114	1,690	2,992	788	2,143	1,360	6,626	1,004	7,630	389
Tennessee.....	113	1,115	1,958	746	1,706	1,239	5,004	998	6,002	402
Alabama.....	114	1,156	1,939	702	1,584	1,050	5,007	1,112	6,110	188
Mississippi.....	785	8,410	16,230	5,730	14,417	10,549	38,517	9,175	47,692	3,329
West South Central.....	110	979	1,692	724	1,951	1,216	4,076	1,179	5,255	365
Arkansas.....	141	1,528	2,954	1,118	2,622	2,105	7,013	1,686	8,599	359
Louisiana.....	126	1,283	2,507	867	2,093	1,563	5,523	1,507	7,030	524
Oklahoma.....	408	4,620	9,077	3,021	7,751	5,065	21,905	4,903	26,808	2,081
Texas.....	95	2,107	5,176	1,487	3,699	3,494	9,105	1,770	10,875	1,774
Mountain.....	13	246	611	199	519	473	961	122	1,083	(¹)
Idaho.....	20	360	863	246	617	572	1,470	454	1,924	275
Colorado.....	26	840	2,152	557	1,300	1,380	3,895	767	4,662	870
Arizona.....	233	5,338	15,297	3,392	7,698	9,071	28,575	4,143	32,718	3,340
Pacific.....	25	391	1,135	329	739	894	1,884	360	2,244	137
Washington.....	19	245	635	200	391	501	1,576	163	1,739	284
Oregon.....	189	4,702	13,527	2,863	6,868	7,676	25,115	3,620	28,735	2,919
California.....	226	8,043	18,763	6,628	14,171	13,134	42,049	70,045	112,094	3,138
Macaroni and spaghetti, total ¹	16	340	766	293	693	600	2,167	4,415	6,012	406
New England.....	8	174	392	149	345	283	1,336	2,070	3,408	166
Massachusetts.....	77	3,489	8,743	2,861	6,131	6,050	19,505	34,929	54,524	1,424
Middle Atlantic.....	54	1,846	4,840	1,472	3,117	3,280	11,389	19,050	30,445	655
New York.....	62	2,559	5,645	2,101	4,552	3,642	12,646	19,754	32,400	704
North Central.....	16	176	318	151	283	262	728	1,367	2,095	72
Ohio.....	5	129	303	105	241	203	722	1,215	1,937	13
Michigan.....	7	425	910	350	822	610	1,892	2,528	4,300	215
Missouri.....	25	725	1,267	613	1,228	898	2,642	4,440	7,091	155
South.....	9	276	419	239	486	312	859	1,252	2,111	23
Louisiana.....	46	930	2,342	760	1,597	1,635	4,969	6,498	11,467	389
West.....	38	689	1,728	566	1,151	1,228	3,507	4,895	8,492	343
California.....	154	9,800	16,570	8,700	17,319	13,284	32,209	221,204	253,413	1,919
Liquid, frozen, and dried eggs, total ¹	10	130	401	97	203	214	775	4,127	4,002	8
Northeast.....	29	1,164	2,114	1,070	2,205	1,724	4,543	35,037	30,580	420
East North Central.....	5	109	213	92	166	143	392	2,642	3,034	6
Ohio.....	4	225	386	209	446	323	832	5,307	6,139	8
Indiana.....	15	609	1,117	566	1,121	908	2,377	20,782	23,159	344
Illinois.....	81	6,507	11,206	5,857	11,662	9,327	21,460	142,048	163,508	1,126
West North Central.....	10	658	1,195	615	1,410	1,074	2,790	10,911	22,731	139
Minnesota.....	19	1,311	2,271	1,101	2,405	1,839	3,411	28,376	31,787	374
Iowa.....	20	1,601	2,521	1,495	3,010	2,140	5,025	38,491	43,516	234
Missouri.....	5	347	571	316	684	478	1,840	5,456	7,206	68
South Dakota.....	13	1,502	2,605	1,364	2,944	2,269	4,723	25,000	30,683	193
Nebraska.....	14	1,088	2,043	966	1,200	1,527	3,071	23,824	27,495	128
Kansas.....	30	1,778	2,440	1,513	2,918	1,707	4,905	38,040	42,945	241
South.....	4	119	161	93	183	110	449	1,827	2,276	9
Tennessee.....	6	387	617	345	734	499	1,009	12,136	13,145	103
Oklahoma.....	16	1,160	1,516	972	1,804	1,036	3,085	21,170	24,204	123
Texas.....	4	221	409	163	331	252	620	1,052	2,478	124
West.....	1,925	47,816	121,465	34,992	72,870	69,915	359,871	961,595	1,312,466	28,009
Food preparations, n.e.c., total ¹	127	2,658	6,672	1,922	4,076	3,745	14,772	40,700	64,632	1,163
New England.....	9	253	547	179	366	267	1,671	4,378	5,946	57
Vermont.....	90	1,943	5,008	1,406	2,994	2,816	10,638	41,381	52,019	607
Massachusetts.....	7	132	302	91	185	102	631	1,752	2,283	33
Rhode Island.....	14	222	567	165	375	377	1,566	1,004	3,170	204
Connecticut.....	427	12,070	32,996	8,913	18,917	20,145	109,845	320,524	430,360	11,068
Middle Atlantic.....	234	6,545	18,538	4,743	10,169	10,782	55,003	147,354	203,447	5,876
New York.....	36	2,866	8,485	2,163	4,502	5,707	39,120	127,250	166,370	4,843
New Jersey.....	157	2,659	5,973	2,007	4,246	3,590	14,632	45,014	60,540	1,240
East North Central.....	391	11,214	28,617	8,311	16,464	16,382	81,190	183,585	204,784	4,084
Ohio.....	105	4,085	8,829	3,244	5,953	5,717	21,807	60,922	82,720	1,915
Indiana.....	27	408	781	325	634	523	1,907	6,073	8,940	328
Illinois.....	152	4,371	14,317	3,350	7,155	7,598	48,506	90,050	147,592	1,715
Michigan.....	73	1,331	3,630	961	1,849	1,894	6,210	13,065	19,265	320
Wisconsin.....	34	519	1,060	431	863	650	2,700	3,579	6,288	406
West North Central.....	174	3,087	7,237	2,186	4,515	4,041	20,954	64,365	85,310	1,581
Minnesota.....	35	832	2,040	589	1,292	1,139	5,648	10,722	22,970	443
Iowa.....	23	424	922	304	582	548	2,111	4,182	6,203	310
Missouri.....	71	1,489	3,617	1,010	2,081	1,922	11,864	40,596	52,460	560
Nebraska.....	15	173	341	142	296	190	707	1,505	2,272	100
South Atlantic.....	177	5,672	12,601	4,551	10,043	7,755	28,537	71,059	99,693	1,746
Maryland.....	28	782	1,779	646	1,466	1,250	7,408	12,744	20,212	359
District of Columbia.....	10	261	755	164	379	331	1,469	7,718	9,187	181
Virginia.....	33	566	1,197	422	851	613	3,253	9,163	12,400	163
West Virginia.....	11	304	472	285	552	425	631	1,104	1,735	(¹)
North Carolina.....	19	1,732	4,150	1,309	2,554	1,965	5,091	5,408	10,499	140
Georgia.....	25	1,284	3,060	1,078	3,012	2,200	5,490	11,183	16,073	320
Florida.....	36	412	818	330	692	583	3,593	22,523	26,110	(¹)

See footnotes at end of table.

MISCELLANEOUS FOOD PREPARATIONS

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Food preparations—Continued										
East South Central	99	1,918	\$3,964	1,323	2,794	\$2,030	\$9,965	\$30,961	\$40,926	\$720
Tennessee	36	1,004	2,092	660	1,435	1,082	5,159	16,254	21,413	474
Alabama	32	650	1,204	391	812	684	3,205	11,613	14,818	159
West South Central	212	4,582	10,664	3,402	7,115	5,807	30,635	96,411	127,048	2,406
Louisiana	65	1,342	3,378	898	1,852	1,466	9,186	27,697	37,183	360
Texas	117	2,863	6,314	2,212	4,652	3,843	19,191	61,726	80,917	1,894
Mountain	80	873	1,767	696	1,380	1,168	3,762	7,894	11,656	342
Colorado	34	497	1,074	393	775	673	2,344	5,550	7,804	145
Utah	17	138	272	110	228	184	597	1,049	1,646	47
Pacific	232	5,742	16,947	3,688	7,566	3,842	51,202	137,039	188,241	3,409
Washington	23	419	1,190	290	562	648	2,650	6,107	8,757	512
Oregon	21	344	1,036	204	410	457	2,838	6,273	9,111	171
California	188	4,979	14,721	3,194	6,594	7,737	45,714	124,659	170,373	2,726

4 Withheld to avoid disclosing figures for individual companies.

1 For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Leavening compounds: Massachusetts, 1; Rhode Island, 1; New York, 5 (830); Pennsylvania, 2; Ohio, 1; Michigan, 1; Wisconsin, 3; Minnesota, 1; Iowa, 5 (22); Missouri, 2; Maryland, 2; District of Columbia, 1; Oklahoma, 1; Texas, 2; Washington, 1; California, 7 (152).

Shortening and cooking oils: Northeast, Rhode Island, 1; New York, 6 (813); Pennsylvania, 2; North Central, Ohio, 2; Indiana, 1; Missouri, 1; South Atlantic, Virginia, 1; North Carolina, 1; Georgia, 3 (468); Florida, 1; East South Central, Kentucky, 1; Tennessee, 6; Mississippi, 1; West South Central, Arkansas, 1; Louisiana, 2; Oklahoma, 1; West, Colorado, 2; Washington, 2.

Oleomargarine: Northeast and North Central, New Jersey, 3 (514); Indiana, 1; Michigan, 1; Missouri, 1; Nebraska, 1; Kansas, 2; South and West, Maryland, 1; South Carolina, 1; Georgia, 2; Alabama, 1; Texas, 2; California, 3 (367).

Corn products: New England, Maine, 18 (151); Massachusetts, 2; Rhode Island, 1; Middle Atlantic, New York, 3; New Jersey, 2; Pennsylvania, 3 (32); East North Central, Ohio, 3; Indiana, 2; Illinois, 5 (6,563); West North Central, Iowa, 5 (2,982); Missouri, 3; Nebraska, 1; South and West, Tennessee, 1; Idaho, 3 (83); Oregon, 1; California, 2.

Flavorings: New England, Maine, 4 (42); Vermont, 1; Rhode Island, 6; Connecticut, 3 (117); East North Central, Ohio, 34 (635); Wisconsin, 10 (54); West North Central, Minnesota, 9 (79); Iowa, 6 (12); North Dakota, 1; Nebraska, 2; Kansas, 6 (17); South Atlantic, Maryland, 13 (215); District of Columbia, 1; Virginia, 9 (98); West Virginia, 1; North Carolina, 3 (22); South Carolina, 1; Florida, 10 (225); East South Central, Kentucky, 3; Tennessee, 6 (96); Alabama, 3 (60); Mississippi, 1; West South Central, Arkansas, 1; Louisiana, 6 (88); Oklahoma, 4; Texas, 16 (252); Mountain, Colorado, 5 (34); Arizona, 1; Utah, 2; Pacific, Oregon, 6 (90).

Vinegar and cider: New England, Maine, 2; New Hampshire, 2; Massachusetts, 8 (59); Connecticut, 4 (13); Middle Atlantic, New Jersey, 4 (61); Pennsylvania, 3 (8); Other Divisions, Ohio, 2; Indiana, 2; Michigan, 11 (100); Wisconsin, 3 (27); Minnesota, 1; Iowa, 1; Missouri, 4 (31); Kansas, 2; Maryland, 2; Virginia, 2; West Virginia, 1; North Carolina, 1; Georgia, 1; Kentucky, 2; Tennessee, 1; Alabama, 1; Arkansas, 2; Oklahoma, 1; Texas, 5 (40); Idaho, 2; Colorado, 1; Washington, 6 (34); Oregon, 2.

Manufactured ice: New England, Maine, 2; New Hampshire, 1; Vermont, 6 (44); West North Central, South Dakota, 7 (52); South Atlantic, Delaware, 10 (143); Maryland, 87 (476); District of Columbia, 5 (154); North Carolina, 149 (1,651); Mountain, Montana, 6 (47); Wyoming, 4 (49); New Mexico, 16 (247); Utah, 5 (150); Nevada, 5 (168).

Macaroni and spaghetti: New England, Rhode Island, 4 (32); Connecticut, 4 (134); Middle Atlantic, New Jersey, 8 (663); Pennsylvania, 15 (980); North Central, Indiana, 1; Illinois, 24 (967); Wisconsin, 2; Minnesota, 4 (191); Nebraska, 2; Kansas, 1; South, Maryland, 4; Georgia, 1; Florida, 2; Kentucky, 1; Tennessee, 1; Alabama, 1; Texas, 6 (74); West, Colorado, 2; Washington, 4 (95); Oregon, 2.

Liquid, frozen, and dried eggs: Northeast, Massachusetts, 3 (25); New York, 4 (80); New Jersey, 1; Pennsylvania, 2; East North Central, Michigan, 2; Wisconsin, 3; South, Maryland, 1; Virginia, 1; Arkansas, 2; West, Colorado, 1; New Mexico, 1; Washington, 1; California, 1.

Food preparations, n.e.c.: New England, Maine, 5; New Hampshire, 2; West North Central, North Dakota, 2; South Dakota, 3; Kansas, 25 (158); South Atlantic, Delaware, 2; South Carolina, 13; East South Central, Kentucky, 20 (305); Mississippi, 11 (59); West South Central, Arkansas, 12 (53); Oklahoma, 28 (324); Mountain, Montana, 6 (43); Idaho, 11, (80); Wyoming, 3 (13); New Mexico, 2; Arizona, 11 (70); Nevada, 2.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947
 [Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry									
	Leaven- ing com- pounds	Shorten- ing and cooking oils	Oleo- mar- garine	Corn products	Flavor- ings	Vinegar and cider	Manu- factured ice	Maca- roni and spaghet- telli	Liquid, frozen, and dried eggs	Food prepara- tions, n.e.c.
ALL ESTABLISHMENTS										
Number of establishments.....	48	100	27	55	606	118	3,432	226	154	1,025
All employees:										
Number (average for the year).....	3,066	8,003	2,567	12,324	11,726	987	40,462	8,043	9,800	47,816
Salaries and wages, total.....	\$8,944	\$24,550	\$8,337	\$41,115	\$37,149	\$2,004	\$103,038	\$18,703	\$16,570	\$121,465
Production and related workers:										
Number (average for the year).....	2,364	5,931	1,806	10,158	7,242	828	29,048	6,628	8,700	34,992
Man-hours, total..... thousands.....	4,902	12,267	4,012	23,032	14,626	1,734	70,741	14,171	17,319	72,870
Wages, total.....	\$6,804	\$16,298	\$5,279	\$32,088	\$17,720	\$1,579	\$63,026	\$13,134	\$13,284	\$69,915
Value added by manufacture.....	\$46,494	\$162,146	\$43,750	\$127,143	\$158,333	\$3,503	\$220,584	\$42,049	\$32,200	\$350,871
ESTABLISHMENTS REPORTING DETAILED STATISTICS										
Number of establishments.....	48	100	27	55	430	118	2,740	226	154	1,326
All employees:										
Number (average for the year).....	3,066	8,003	2,567	12,324	11,104	987	42,145	8,043	9,800	45,306
Salaries and wages, total.....	\$8,944	\$24,550	\$8,337	\$41,115	\$35,835	\$2,004	\$95,207	\$18,703	\$16,570	\$117,293
Production and related workers:										
Number (average for the year).....	2,364	5,931	1,806	10,158	6,721	828	24,811	6,028	8,700	32,597
Man-hours, total..... thousands.....	4,902	12,267	4,012	23,032	13,582	1,734	62,292	14,171	17,319	68,039
Wages, total.....	\$6,804	\$16,298	\$5,279	\$32,088	\$16,407	\$1,579	\$56,488	\$13,134	\$13,284	\$66,070
Value added by manufacture.....	\$46,494	\$162,146	\$43,750	\$127,143	\$155,300	\$3,503	\$211,035	\$42,049	\$32,200	\$343,019
Number of employees for pay period ended nearest Oct. 15:										
All employees:										
Male.....	2,943	8,055	2,737	12,260	11,715	1,369	42,566	8,444	6,080	46,388
Female.....	2,280	6,771	1,999	11,367	8,208	1,101	41,153	4,706	3,303	26,771
Production and related workers:										
Male.....	653	1,264	741	893	3,447	178	1,413	3,078	3,317	19,617
Female.....	2,250	5,948	1,953	10,063	7,128	1,211	24,973	6,084	5,710	33,479
Force-account construction workers:										
Male.....	1,795	5,152	1,439	9,560	5,245	1,080	24,803	3,077	2,721	17,315
Female.....	462	796	517	593	1,883	122	80	3,307	2,080	16,164
Administrative, supervisory, sales, and all other:										
Male.....	17	43	784	37	4	147	1	2	54	
Female.....	676	2,004	784	2,160	4,583	188	17,446	1,450	908	12,855
Male.....	475	1,576	560	1,770	3,019	102	10,113	1,088	640	9,402
Female.....	201	488	224	390	1,564	60	1,333	371	328	3,453
All employees, number by month:										
January.....	3,150	8,365	2,300	12,194	10,956	850	34,650	8,705	8,384	45,880
February.....	3,155	8,343	2,517	12,329	10,796	814	34,400	8,097	10,340	45,298
March.....	3,250	8,318	2,576	12,314	10,809	783	35,001	8,518	11,878	44,740
April.....	3,159	7,931	2,487	12,413	10,784	755	38,539	8,000	13,173	44,722
May.....	3,162	7,510	2,306	12,352	11,127	761	43,327	7,250	14,020	43,835
June.....	3,049	7,391	2,360	12,415	11,179	827	48,907	7,128	12,715	43,853
July.....	2,960	7,540	2,402	12,378	11,266	1,005	51,900	7,082	10,400	44,588
August.....	3,027	7,718	2,653	12,424	11,505	1,098	52,045	7,474	8,051	44,985
September.....	3,030	7,743	2,630	12,312	11,605	1,130	49,352	7,911	7,512	45,701
October.....	2,943	8,055	2,737	12,260	11,715	1,300	42,596	8,444	6,080	46,388
November.....	2,986	8,404	2,822	12,190	11,391	1,303	37,806	8,072	7,448	47,037
December.....	2,950	8,033	2,838	12,300	10,872	991	34,994	8,410	6,020	46,180
Cost of materials, fuel, electricity, and contract work.....	\$25,801	\$737,405	\$169,749	\$332,835	\$151,041	\$5,076	\$30,907	\$70,045	\$221,204	\$648,765
Materials, parts, containers, and supplies.....	23,879	733,045	169,069	323,015	140,131	4,901	13,680	68,294	220,101	642,400
Fuels, total.....	1,415	2,948	888	8,945	1,082	85	3,704	595	300	3,477
Bituminous coal.....	1,030	1,328	149	7,619	513	45	793	182	128	587
Anthracite.....				8	24	5	47	50		125
Coke.....		201			4	11	17	2		39
Fuel oils.....	353	971	173	1,045	344	7	1,040	233		1,245
Gas.....	20	437	63	272	160	9	993	64	160	1,391
Other fuels.....	10	11	3	1	37	8	334	58	22	180
Purchased electric energy.....	499	1,140	292	780	421	82	22,624	840	628	2,180
Contract and commission work.....	8	272		80	1,007	8	90	310	10	612
Value of inventories:										
Beginning of year, total.....	\$6,709	\$70,361	\$8,924	\$27,247	\$51,008	\$3,377		\$0,284	\$20,821	\$167,584
Finished products.....	1,503	26,902	1,204	8,296	13,517	n.a.		2,594	17,082	30,330
Materials, supplies, and work in process.....	5,206	43,459	7,720	18,951	37,491	n.a.		6,090	3,739	118,245
End of year, total.....	5,869	86,725	11,393	42,878	63,106	3,155	n.a.	10,502	19,494	161,495
Finished products.....	1,588	37,789	2,509	15,985	17,740	n.a.		3,475	16,943	43,703
Materials, supplies, and work in process.....	4,281	48,936	8,884	26,893	45,366	n.a.		7,027	2,551	107,732
Expenditures for plant and equipment:										
New plant and equipment.....	\$1,230	\$7,216	\$1,114	\$20,090	\$7,026	\$428	\$20,345	\$3,138	\$1,910	\$38,009
Construction and major alteration of fixed plants.....	289	3,247	133	8,610	3,067	98	6,016	611	780	7,000
Buildings.....	269	2,651	109	6,545	1,800	61	5,233	571	608	7,152
Other construction.....	20	596	24	2,065	1,267	37	783	40	91	538
Machinery and equipment.....	941	3,969	981	11,480	4,559	330	14,329	2,527	1,100	20,319
Production machinery and equipment.....	850	3,485	835	10,875	3,480	278	10,205	2,241	781	14,993
Other machinery and equipment.....	91	484	146	604	1,079	52	4,124	286	319	5,326
Used plant and equipment, and land.....	78	344	65	128	1,840	15	1,237	75	128	2,230
Number of highway-type motor vehicles owned or leased:										
Trucks.....	121	128	137	87	465	107	14,065	203	632	4,442
By manufacturer's rated capacity:										
Under 1 1/2 tons.....	72	53	33	17	182	23	5,110	95	131	3,140
Over 1 1/2 tons and less than 3 1/2 tons.....	24	50	95	30	176	37	7,247	63	390	1,018
3 1/2 tons and less than 5 tons.....	5	21	7	22	73	26	1,319	38	132	218
5 tons and over.....	9	2		12	8	15	168	16	4	33
By body type:										
Van.....	11	17	55	5	68	0	215	21	5	33
Stake or platform.....	6	33	8	27	71	48	427	70	57	436
Panel or light delivery.....	90	52	62	21	204	12	3,248	35	450	232
All other trucks.....	14	26	12	34	132	28	8,225	120	71	3,503
Truck tractors.....	12	44	9	4	28	34	282	41	70	271
Trailers and semitrailers.....	18	47	12	4	61	41	312	46	86	130

n.a.—Not available.

1 Includes 166 tank-type and 174 refrigerated-type bodies.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 em- ployees	5-9 em- ployees	10-19 em- ployees	20-49 em- ployees	50-99 em- ployees	100-249 em- ployees	250-499 em- ployees	500-999 em- ployees	1,000-2,499 employees	2,500 employees and over
Leavening compounds:											
Number of establishments	48	13	9	2	6	8	7	2	1		
Number of employees (average for the year)	3,066	34	58	(d)	201	570	2,203	(d)	(d)		
Value added by manufacture	\$46,494	\$167	\$306	(d)	\$1,427	\$6,748	\$37,840	(d)	(d)		
Shortening and cooking oils:											
Number of establishments	100	31	13	5	9	13	21	6	2		
Number of employees (average for the year)	8,003	48	78	59	264	909	3,451	3,194	(d)		
Value added by manufacture	\$162,146	\$642	\$420	\$738	\$3,782	\$13,755	\$75,832	\$66,677	(d)		
Oleomargarine:											
Number of establishments	27		1	5	6	9	2	4			
Number of employees (average for the year)	2,567		(d)	79	218	701	(d)	1,569			
Value added by manufacture	\$43,750		(d)	\$739	\$3,080	\$11,536	(d)	\$28,295			
Corn products:											
Number of establishments	55	9	19	6	7	2	1	3	4	3	1
Number of employees (average for the year)	12,324	24	141	88	554	(d)	(d)	1,091	3,279	7,547	(d)
Value added by manufacture	\$127,143	\$143	\$790	\$800	\$3,066	(d)	(d)	\$7,893	\$28,985	\$86,427	(d)
Flavorings:											
Number of establishments	606	272	129	83	77	23	15	6	1		
Number of employees (average for the year)	11,726	584	849	1,127	2,223	1,649	2,408	2,886	(d)		
Value added by manufacture	\$168,333	\$3,823	\$6,270	\$10,865	\$24,847	\$30,206	\$49,257	\$93,066	(d)		
Vinegar and cider:											
Number of establishments	118	56	31	20	11						
Number of employees (average for the year)	987	130	206	283	368						
Value added by manufacture	\$3,503	\$513	\$507	\$1,195	\$1,228						
Manufactured ice:											
Number of establishments	3,432	859	1,097	860	494	89	32	1			
Number of employees (average for the year)	46,462	2,333	7,378	11,592	14,439	5,955	4,774	(d)			
Value added by manufacture	\$226,584	\$13,173	\$37,989	\$59,366	\$71,945	\$26,733	\$17,978	(d)			
Macaroni and spaghetti:											
Number of establishments	226	67	41	27	39	30	20	1	1		
Number of employees (average for the year)	8,043	140	282	410	1,222	2,228	3,761	(d)	(d)		
Value added by manufacture	\$42,049	\$744	\$1,222	\$1,563	\$6,230	\$11,873	\$20,417	(d)	(d)		
Liquid, frozen, and dried eggs:											
Number of establishments	154	3	10	22	45	52	17	5			
Number of employees (average for the year)	9,800	7	67	308	1,599	3,973	2,168	1,678			
Value added by manufacture	\$32,209	\$12	\$423	\$1,680	\$6,317	\$12,739	\$5,926	\$5,112			
Food preparations, n.e.c.:											
Number of establishments	1,925	1,632	417	359	307	108	82	15	4	1	
Number of employees (average for the year)	47,816	1,426	2,758	4,984	9,429	7,505	13,044	4,729	3,841	(d)	
Value added by manufacture	\$360,871	\$7,072	\$13,911	\$26,387	\$55,908	\$47,075	\$128,188	\$37,120	\$56,810	(d)	

¹ Includes 4 establishments with no employees accounting for \$11,000 value added.

CENSUS OF MANUFACTURES: 1947

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

LEAVENING COMPOUNDS INDUSTRY	Shipped by—		
	Leavening compounds industry	Other industries	All industries
Total shipments by the industry	\$72,295	(d)	\$63,638
A. Leavening compounds.....	(d)	(d)	13,341
Baking powder.....	48,712	\$1,585	50,297
Yeast.....	(d)	(d)	(d)
B. Secondary products.....	(d)	(d)	(d)
C. Miscellaneous receipts.....	(d)	(d)	(d)
Nonmanufacturing activities.....	(d)	(d)	(d)

SHORTENING AND COOKING OILS INDUSTRY	Shipped by—		
	Shortening and cooking oils industry	Other industries	All industries
Total shipments by the industry	\$884,713		
A. Shortening, cooking oils, and related products.....	598,879	\$30,639	\$629,518
Shortening and cooking oils, except olive.....	593,109	30,201	623,310
Olive oil.....	2,578	438	3,016
Miscellaneous refinery products.....	3,192		3,192
B. Secondary products.....	268,102		
Oleomargarine.....	49,027		
Cottonseed oil.....	35,047		
Soybean oil.....	10,925		
Other vegetable oil products ¹	121,306		
Animal oils.....	17,833		
Salad dressings.....	2,863		
Other secondary products.....	25,011		
C. Miscellaneous receipts.....	17,732		
Contract and commission work.....	260		
Nonmanufacturing activities.....	17,472		

OLEOMARGARINE INDUSTRY	Shipped by—		
	Oleomargarine industry	Other industries	All industries
Total shipments by the industry	\$214,598		
A. Oleomargarine.....	172,823	\$64,269	\$237,092
B. Secondary products.....	41,775		
Salad dressings.....	35,863		
Shortening and salad oils.....	2,862		
Other secondary products.....	2,950		

CORN PRODUCTS INDUSTRY	Shipped by—		
	Corn products industry	Other industries	All industries
Total shipments by the industry	\$459,978		
A. Corn products (including all starches).....	405,514	\$16,281	\$421,795
Corn sirup, sugar, and starch.....	228,388		228,388
Other starch (including reprocessed).....	11,927	5,742	17,669
Dextrin.....	14,179		14,179
Corn oil.....	79,306	10,210	89,516
Wet process corn byproducts.....	71,714	329	72,043
B. Secondary products.....	54,464		
Corn sirup mixtures.....	39,358		
Soy and other vegetable oil products.....	4,800		
Other secondary products.....	10,306		

LIQUID, FROZEN, AND DRIED EGGS INDUSTRY	Shipped by—		
	Liquid, frozen, and dried eggs industry	Other industries	All industries
Total shipments by the industry	\$253,413		
A. Liquid, frozen, and dried eggs.....	186,094	\$50,604	\$236,758
B. Secondary products.....	45,030		
Chicken, N. Y. dressed.....	17,624		
Chicken, eviscerated.....	6,428		
Other poultry, N. Y. dressed.....	6,856		
Other poultry, eviscerated.....	2,511		
Creamery butter.....	5,409		
Other secondary products.....	6,202		
C. Miscellaneous receipts.....	22,289		
Cold storage.....	(d)		
Nonmanufacturing activities.....	(d)		

FLAVORINGS INDUSTRY	Shipped by—		
	Flavorings industry	Other industries	All industries
Total shipments by the industry	\$313,573	\$34,085	\$325,810
A. Flavorings.....	290,825		
Flavoring extracts and other liquid flavors.....	26,451	13,010	39,461
Beverage bases.....	47,780	609	48,488
Other flavorings.....	205,035	16,026	222,561
Flavorings, kind not specified.....	10,080	4,050	14,300
B. Secondary products.....	20,885		
Jams, jellies, and preserves.....	2,424		
Canned fruit juice.....	2,034		
Essential oils.....	1,492		
Soft drinks.....	1,211		
Other secondary products.....	13,724		
C. Miscellaneous receipts.....	1,863		
Contract and commission work.....	(d)		
Scrap and salable refuse.....	(d)		
Nonmanufacturing activities.....	(d)		

VINEGAR AND CIDER INDUSTRY	Shipped by—		
	Vinegar and cider industry	Other industries	All industries
Total shipments by the industry	\$8,579	\$13,237	\$21,110
A. Vinegar and cider.....	7,870		
B. Secondary products.....	700		

MANUFACTURED ICE INDUSTRY	Shipped by—		
	Manufactured ice industry	Other industries	All industries
Total shipments by the industry	\$273,415	\$4,840	\$268,575
A. Manufactured ice.....	259,477		
B. Secondary products.....	1,177		
C. Miscellaneous receipts.....	12,761		
Cold storage.....	10,051		
Contract and commission work.....	(d)		
Natural ice sold.....	(d)		
Other nonmanufacturing activities.....	1,805		

MACARONI AND SPAGHETTI INDUSTRY	Shipped by—		
	Macaroni and spaghetti industry	Other industries	All industries
Total shipments by the industry	\$112,094	\$1,220	\$113,314
A. Macaroni, spaghetti, etc.....	109,967		
B. Secondary products.....	(d)		
C. Miscellaneous receipts.....	(d)		
Contract and commission work.....	(d)		
Nonmanufacturing activities.....	(d)		

FOOD PREPARATIONS, N.E.C., INDUSTRY	Shipped by—		
	Food preparations, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$1,312,466	\$120,450	\$1,432,916
A. Food preparations, n.e.c.....	1,200,145		
Desserts, ready-to-mix.....	74,067	4,081	78,148
Potato chips.....	75,110	4,111	79,221
Sweetening sirup and molasses.....	50,320	41,102	91,422
Other food preparations, n.e.c.....	973,130	68,763	1,041,893
Miscellaneous foods, kind not specified.....	26,919	1,452	28,371
B. Secondary products.....	78,568		
Salad dressing products.....	11,053		
Jams, jellies, and preserves.....	10,200		
Flavorings.....	9,950		
Salted nuts.....	7,113		
Blended and prepared flours.....	6,205		
Other secondary products.....	33,041		
C. Miscellaneous receipts.....	33,793		
Contract and commission work.....	(d)		
Repair work.....	(d)		
Scrap and salable refuse.....	26		
Nonmanufacturing activities.....	32,543		

^d Withheld to avoid disclosing figures for individual companies.
¹ Principally hydrated oils, for sale as such.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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:				8,839	4,015
Whole	do	65,493	82,584		
Whites	do	1,582	2,846		
Yolks	do	4,192	4,735		
Liquid or frozen:				n.a.	24,618
Whole	do	271,177	90,990		
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			13,341		13,808
Packed in consumer sizes (less than 5 lbs.)	Pound	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			50,297		16,418
Compressed and active dry yeast ²	Pound	270,104	43,824	210,364	16,418
Brewer's yeast and primary grown yeast for nutritional and feed purposes	do	37,075	4,336		
Extracts and other yeast products	do	9,150	2,077		
Shortening and salad oils, except olive oil, total			623,310		n.a.
Shortening, total	Pound	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	608,006	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	5731,833	237,092	307,425	32,248
Mixed animal and vegetable oils	do	32,263	10,539	55,361	5,491
Vegetable oils only	do	600,570	226,553	252,064	26,757
Corn sirup, sugar, and starch, total			228,388		64,079
Corn sirup, unmixed	Pound	1,604,251	77,102	957,297	21,134
Corn sugar, total	do	783,975	63,091	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	1,618,052	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			17,669		4,013
Irish potato	Pound	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	2,406
Dextrin	do	190,005	14,179	121,267	4,186
Corn oil, total ⁷			89,516		12,706
Crude	Pound	152,556	31,175	65,936	3,733
Refined	do	190,906	58,341	105,001	8,973
Wet process corn byproducts, total ⁹			72,043		n.a.
Hydrol (corn sugar byproduct molasses)	Pound	228,312	5,354	n.a.	n.a.
Corn byproduct feeds, total	do	2,120,413	64,722	1,192,750	11,158
Gluten feed	do	1,724,281	50,337	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	1,997	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:				1,579	4,100
In containers of 8 oz. or less	do	936	4,780		
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	8,268	61,056	6,785
Vinegar, distilled ¹⁴	100 grain gal.	40,899	8,151	45,984	4,508
Vinegar stock and semifinished vinegar ¹⁵	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.

TABLE 6.—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		Production	
		Quantity	Value f.o.b. plant	Quantity	Value f.o.b. plant
Manufactured ice, total			\$264,326	\$32,319	\$122,594
Can or block.....	Ton.....	39,907	220,582		
Transfers for use by same company.....	do.....	3,887	17,737		
Sales.....	do.....	36,100	202,845		
Cubed, crushed, or processed ice.....	do.....	1,782	17,593	n.a.	n.a.
Transfers for use by same company.....	do.....	100	1,074		
Sales.....	do.....	1,682	16,519		
Ice, not specified by kind.....			20,151		
Transfers for use by same company.....			480		
Sales.....			25,071		
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.....	132,498	44,588	n.a.	18,565
Other and base not specified ¹⁰	do.....	142,647	4,513	n.a.	
	do.....	16,436			
Potato chips.....	do.....	155,983	70,221	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	65,090	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	186,896	16,668
Pectin.....	do.....	10,567	7,773		2,801
Maple sirup, pure.....	Gallon.....	411	2,025	1,345	1,788
Roasted coffee.....	Pound.....	1,865,790	755,125	n.a.	n.a.
Corn chips.....	do.....	17,719	7,812	n.a.	n.a.
Other food preparations, not elsewhere classified ¹¹			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.

TABLE 7.—SELECTED MATERIALS CONSUMED, TOTALS FOR THE UNITED STATES: 1947

[All figures in thousands]

MATERIAL	Unit of measure	Quantity	Cost
Consumed in the macaroni and noodles industry: ¹			
Wheat flour, including durum flour and semolina.....	Sack.....	7,978	\$48,081
Frozen eggs (whole or part).....	Pound.....	12,326	5,671
Consumed in the corn products industry:			
Corn.....	Bushel.....	139,825	253,637

¹ Detailed consumption data was reported by 193 establishments, value of shipments of which amounted to 95.4 percent of the total value of shipments of the industry.

Major Group 21.—TOBACCO MANUFACTURES

This major group includes establishments engaged in manufacturing cigarettes, cigars, smoking and chewing tobacco, and snuff, and in stemming and re-drying tobacco. The manufacture of insecticides from tobacco byproducts is included in Major Group 28.

GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees ¹		Production workers		Value added by manufacture ²
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947 ³	1,086	111,782	\$205,838	103,289	\$175,318	\$641,356
1930	765	96,085	86,772	87,525	68,500	350,152
1937	852	97,851	82,376	92,158	70,291	325,060
1935	890	95,589	71,320	90,543	59,447	284,375
1933	804	90,790	59,344	87,325	50,933	249,987
1931	1,228	n.a.	n.a.	99,789	69,411	370,348
1920	1,788	126,303	117,625	116,119	94,578	(⁴)
1927	2,156	140,902	128,571	129,299	105,250	(⁴)
1925	2,623	142,672	133,931	132,132	111,558	(⁴)
1923	3,672	162,076	151,165	146,337	120,463	(⁴)
1921	4,372	164,669	147,548	149,985	120,903	(⁴)
1910	10,291	172,776	153,299	157,097	123,988	(⁴)
1914	13,951	195,694	99,980	178,872	77,856	(⁴)
1909	15,822	180,003	86,134	166,810	69,355	(⁴)
1904	16,827	168,641	71,439	159,406	62,639	(⁴)
1899	14,959	140,362	56,568	132,526	47,975	(⁴)

n.a.—Not available.

¹ The figures for 1947 and 1930 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees are included in the figures for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

² Value of products less cost of materials, supplies, fuel, electricity, and contract work. Cost of contract work was not subtracted from value of products in calculating value added by manufacture for 1933 and 1931. Internal Revenue taxes are not included in value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.

³ The figures for 1947 only include data for "Tobacco stemming and re-drying." For 1904-39, inclusive, this industry was not classified as a manufacturing industry.

⁴ The figures for value added by manufacture are omitted because they include Internal Revenue taxes.

TOBACCO MANUFACTURES

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of cigarettes, cigars, chewing and smoking tobacco and snuff, and in the stemming and redrying of leaf tobacco. These establishments have been classified in the four industries described separately below.

Number of establishments.—The numbers of establishments shown in the census report for the tobacco group fall below the corresponding numbers given in the report of the Commissioner of Internal Revenue, the differences being due to the following causes: (1) On the records of the Bureau of Internal Revenue, the same establishment may appear two or more times—for example, as manufacturing cigars, as manufacturing cigarettes, and as stemming tobacco—whereas for census purposes such an establishment generally would make only one report and would be classified according to its product of chief value. (2) A considerable number of manufacturers registered for taxation purposes either had no employees or sold all the tobacco products produced at retail (particularly in the cigar and smoking tobacco industries) and, therefore, were not covered by the Census of Manufactures (see General Explanations).

As a result of (2) above, the quantities of tobacco products, as given in this report, vary slightly from the corresponding quantities published by the Bureau of Internal Revenue. Another circumstance that causes variance from the quantities published by the Bureau of Internal Revenue is the inclusion in the census of some establishments reporting on a fiscal rather than a calendar year basis.

Exclusion of Internal Revenue tax from cost of materials and value of products.—As all branches of tobacco manufacture are subject to Internal Revenue taxation, tobacco manufacturers were directed, in preparing returns for the Census of Manufactures, to

report the gross value of each product, the amount of tax paid on each product, and the net value (i.e.—less taxes) of each product. The cost of the taxes was to be excluded from the cost of materials. This deviates from the procedure used in 1939 and previous years when the tax was included in both the cost of materials and the value of products. Value added by manufacture is not affected by this change in the method of reporting.

Productivity.—For the 1947 Census of Manufactures, certain plants making considerable quantities of chewing and smoking tobacco but primarily engaged in the manufacture of cigarettes submitted separate reports for each of these activities, whereas, in 1939, they submitted combined total reports. For this reason, the quantity of cigarettes produced is more directly comparable to the general statistics than in 1939.

Production rather than shipments data were secured from tobacco products manufacturers, because certain large manufacturers stated that they could not provide accurate information on the sales value of shipments from their factories.

Cigarettes (Standard Industrial Classification No. 2111.)—This industry comprises establishments primarily engaged in the manufacture of cigarettes.

Cigars (Standard Industrial Classification No. 2121.)—This industry comprises establishments primarily engaged in the manufacture of cigars.

Chewing and Smoking Tobacco (Full Standard Industrial Classification title and number: Tobacco, chewing and smoking, and snuff, 2131.)—This industry comprises establishments primarily engaged in the manufacture of chewing and smoking tobacco and snuff.

Tobacco Stemming and Redrying (Standard Industrial Classification No. 2141.)—This industry comprises establishments primarily engaged in the stemming and redrying of tobacco. It was not included in the 1939 Census of Manufactures and no comparable data are available for earlier years.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
Cigarettes:								
1947	28	27,674	\$63,204	25,553	\$54,996	\$368,417	\$763,474	\$1,131,891
1939	35	30,803	83,068	27,426	26,088	220,679	208,815	495,494
1937	34	27,555	27,885	26,149	24,122	107,405	200,031	467,436
1933	27	23,316	18,191	22,544	13,835	134,216	147,350	281,566
1929	48	n.a.	n.a.	21,142	18,401	(¹)	218,424	(¹)
Cigars:								
1947	822	47,068	76,344	44,512	68,402	143,145	168,256	311,401
1939	598	54,262	41,141	50,897	34,240	81,505	67,080	148,691
1937	693	58,910	43,200	55,879	37,522	81,890	74,482	156,378
1933	665	56,195	32,862	54,558	30,061	66,783	63,990	130,773
1929	1,587	n.a.	n.a.	84,166	67,222	(¹)	138,354	(¹)
Cigarettes and cigars, combined as one industry:								
1947	3,466	142,668	131,959	130,036	107,724	(¹)	369,491	(¹)
1939	4,146	144,711	128,962	133,357	108,161	(¹)	452,212	(¹)
1937	9,926	150,633	133,706	138,773	111,313	(¹)	353,207	(¹)
1933	13,515	164,163	82,676	152,892	88,306	(¹)	130,530	(¹)
1929	15,362	n.a.	n.a.	139,578	60,482	(¹)	102,720	(¹)
1899	14,522	n.a.	n.a.	103,385	40,896	(¹)	57,828	(¹)

See footnotes at end of table.

TOBACCO MANUFACTURES

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
Chewing and smoking tobacco:								
1947	73	11,139	\$22,676	9,725	\$17,616	\$57,571	\$82,571	\$140,142
1930	132	10,070	11,963	9,202	8,193	41,968	47,021	88,089
1937	125	11,286	11,291	10,130	8,587	45,769	51,475	97,234
1935	115	11,057	10,446	10,077	7,629	45,547	52,208	97,755
1933	112	10,779	8,291	10,223	7,037	48,988	46,013	95,901
1931	125	n.a.	n.a.	11,441	8,673		66,873	124,828
1920	152	11,804	12,237	10,811	8,955	57,955	72,494	
1927	150	14,439	14,182	13,125	10,661		85,310	
1925	178	16,744	16,316	15,024	12,185		94,419	
1923	206	19,408	19,206	16,301	12,739		146,374	
1921	220	19,958	18,586	16,628	12,742	(4)	156,477	(4)
1919	365	22,143	19,593	18,324	12,675		130,270	
1914	436	31,531	17,304	25,980	9,550		76,604	
1909	400	n.a.	n.a.	27,232	8,923		74,466	
1904	433	26,097	9,232	23,990	9,775		44,954	
1899	437	32,529	10,994	29,101	7,110		35,038	
Tobacco stemming and redrying:								
1947	163	25,901	43,614	23,499	34,314	72,223	885,584	957,807

n.a.—Not available.
¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. Internal Revenue taxes are not included in value added by manufacture. See GENERAL EXPLANATIONS—Value added by manufacture.
² The figures for cost of materials exclude Internal Revenue taxes for all years.
³ For all years except 1920, value of products made; for 1920, value of products shipped. Internal Revenue taxes are not included in value of products. See GENERAL EXPLANATIONS—Value of products shipped.
⁴ The figures for value added by manufacture and value of products for 1929 and earlier years are omitted because they include Internal Revenue taxes.
⁵ The coverage of "Cigars" was incomplete in 1933.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947
 [Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Cigarettes, total¹	28	27,674	\$63,204	25,553	49,196	\$54,986	\$368,417	\$763,474	\$1,131,891	\$16,546
South Atlantic	10	21,777	50,402	20,153	38,736	43,974	316,124	670,289	986,413	10,442
Virginia	5	7,725	17,559	7,173	13,443	15,453	118,548	202,285	320,833	2,873
North Carolina	5	14,052	32,843	12,980	25,293	28,521	197,576	468,004	665,580	7,569
East South Central	4	3,823	7,928	3,530	6,932	7,005	28,024	58,996	87,020	5,593
Kentucky	4	3,823	7,928	3,530	6,932	7,005	28,024	58,996	87,020	5,593
Other Divisions	14	2,074	4,674	1,870	3,528	4,007	24,269	34,189	58,458	511
Cigars, total¹	822	47,068	76,344	44,512	84,008	68,402	143,145	168,256	311,401	4,449
Northeast	469	25,360	42,438	23,835	44,541	37,551	84,711	98,041	182,752	1,943
Massachusetts	38	355	680	318	643	514	1,118	1,646	2,764	29
New York	148	1,720	3,106	1,605	2,891	2,581	4,260	4,602	8,852	94
Pennsylvania	208	18,271	28,951	17,261	32,583	20,663	62,842	71,044	133,886	1,061
North Central	198	4,493	7,584	4,237	8,870	6,729	16,629	15,738	32,367	198
Illinois	73	293	407	278	546	385	642	647	1,289	1
Wisconsin	36	197	307	189	325	280	422	514	936	
South	125	10,683	25,112	15,966	29,712	23,186	40,035	52,251	92,286	2,259
West Virginia	8	718	1,131	673	1,252	1,003	1,497	1,976	3,473	(4)
Florida	74	8,013	13,085	8,270	15,061	12,110	18,591	27,310	45,901	1,101
Mountain	3	13	19	13	23	19	28	36	64	1
Pacific	27	519	1,101	461	859	917	1,742	2,190	3,932	48
Chewing and smoking tobacco, total¹	73	11,139	22,676	9,725	19,630	17,616	57,571	82,571	140,142	2,519
Northeast and North Central	43	3,705	8,212	3,220	6,325	6,522	25,108	30,889	55,997	1,070
Pennsylvania	11	293	535	241	457	375	923	1,957	2,880	69
South and West	30	7,434	14,404	6,505	13,305	11,094	32,463	51,682	84,145	1,449
Tennessee	8	1,228	2,043	1,101	2,052	1,560	8,361	9,559	17,920	265
Tobacco stemming and redrying, total¹	163	25,901	43,614	23,499	45,489	34,314	72,223	885,584	957,807	12,131
Northeast and North Central	24	944	1,596	861	1,722	1,323	2,509	15,349	17,858	127
South Atlantic	98	20,832	35,500	18,922	36,577	27,866	59,717	757,548	817,255	9,909
Virginia	27	6,109	10,010	5,660	10,573	8,014	13,738	193,565	207,303	2,159
North Carolina	57	13,093	24,497	12,578	24,685	19,058	44,237	556,120	600,357	7,642
South Carolina	7	428	650	378	793	453	1,001	5,912	6,913	53
Florida	3	110	80	106	181	78	132	281	413	7
East South Central	41	4,105	6,518	3,716	7,190	5,125	9,997	112,687	122,684	2,095

¹ Withheld to avoid disclosing figures for individual companies.
² For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.
Cigarettes: Other Divisions, Massachusetts, 1; New York, 9 (421); New Jersey, 2; Pennsylvania, 1; California, 1.
Cigars: Northeast, Maine, 2; New Hampshire, 5 (536); Rhode Island, 2; Connecticut, 33 (431); New Jersey, 33 (4,012); North Carolina, 4 (1,688); Indiana, 12 (1,352); Michigan, 19 (653); Minnesota, 5 (22); Iowa, 4 (11); Missouri, 11 (277); South, Maryland, 4 (134); Virginia, 5 (1,604); North Carolina, 4 (196); South Carolina, 4 (531); Kentucky, 8 (1,210); Tennessee, 4 (400); Alabama, 2; Arkansas, 1; Louisiana, 7 (784); Texas, 2; Mountain, Colorado, 2; Utah, 1; Pacific, Washington, 1; Oregon, 1; California, 25 (617).
Chewing and smoking tobacco: Northeast and North Central, Massachusetts, 2; New York, 8 (67); New Jersey, 2; Ohio, 7 (931); Indiana, 1; Illinois, 2; Michigan, 4 (253); Wisconsin, 2; Missouri, 4 (1,270); South and West, Delaware, 1; Virginia, 4 (1,249); West Virginia, 1; North Carolina, 3 (4,211); Kentucky, 8 (265); Texas, 1; California, 4 (40).
Tobacco stemming and redrying: Northeast and North Central, Connecticut, 1; Pennsylvania, 20 (580); Ohio, 2; Missouri, 1; South Atlantic, Maryland, 1; Georgia, 3; East South Central, Kentucky, 37 (3,846); Tennessee, 4 (260).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry				ITEM	Industry			
	Cigarettes	Cigars	Chewing and smoking tobacco	Tobacco stemming and redrying		Cigarettes	Cigars	Chewing and smoking tobacco	Tobacco stemming and redrying
ALL ESTABLISHMENTS					ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued				
Number of establishments	28	822	73	163	Cost of materials, fuel, electricity, and contract work	\$763,474	\$167,197	\$82,671	\$885,584
All employees:					Materials, parts, containers, and supplies	761,144	165,693	81,606	883,451
Number (average for the year)	27,674	47,068	11,139	25,001	Fuels, total	1,694	506	573	1,073
Salaries and wages, total	\$63,204	\$76,344	\$22,676	\$43,614	Bituminous coal	1,570	214	509	902
Production and related workers:					Anthracite	10	78	31	74
Number (average for the year)	25,553	44,512	9,725	23,499	Coke				
Man-hours, total	49,196	84,008	19,630	45,489	Fuel oils	104	175	3	68
Wages, total	\$54,986	\$68,402	\$17,616	\$34,314	Gas	4	23	6	4
Value added by manufacture	\$368,417	\$143,145	\$57,571	\$72,223	Other fuels	6	16	24	25
ESTABLISHMENTS REPORTING DETAILED STATISTICS					Purchased electric energy	636	720	187	620
Number of establishments	28	659	73	163	Contract and commission work		275	115	440
All employees:					Value of inventories:				
Number (average for the year)	27,674	46,524	11,139	25,001	Beginning of year, total	\$223,374	\$80,725	\$50,314	\$670,346
Salaries and wages, total	\$63,204	\$75,841	\$22,676	\$43,614	Finished products	12,491	7,706	6,633	364,749
Production and related workers:					Materials, supplies, and work in process	210,883	72,929	43,781	314,697
Number (average for the year)	25,553	43,996	9,725	23,499	End of year, total	221,982	78,307	52,384	704,991
Man-hours, total	49,196	82,971	19,630	45,489	Finished products	15,619	8,490	6,054	435,691
Wages, total	\$54,986	\$67,953	\$17,616	\$34,314	Materials, supplies, and work in process	206,363	69,817	46,330	320,400
Value added by manufacture	\$368,417	\$142,212	\$57,571	\$72,223	Expenditures for plant and equipment:				
Number of employees for pay period ended nearest Oct. 15:					New plant and equipment	\$16,540	\$4,440	\$2,519	\$12,131
All employees	27,911	48,645	11,480	36,858	Construction and major alteration of fixed plants	4,172	1,559	1,047	6,141
Male	15,510	10,103	6,731	18,055	Buildings	3,803	1,462	1,038	5,093
Female	12,401	38,542	4,749	18,803	Other construction	270	107	9	448
Production and related workers	25,494	46,126	10,105	34,242	Machinery and equipment	12,374	2,890	1,472	5,900
Male	13,627	8,427	5,643	15,785	Production machinery and equipment	12,172	2,502	1,280	5,376
Female	11,867	37,699	4,462	18,457	Other machinery and equipment	202	388	180	614
Force-account construction workers	335		44	28	Used plant and equipment, and land	159	222	230	147
Administrative, supervisory, sales, and all other	2,082	2,519	1,331	2,588	Number of highway-type motor vehicles owned or leased:				
Male	1,548	1,676	1,044	2,245	Trucks	85	111	76	314
Female	534	843	287	343	By manufacturer's rated capacity:				
All employees, number by month:					Under 1½ tons	21	72	33	14
January	28,540	49,921	12,005	34,108	1½ tons	20	16	21	199
February	29,224	50,388	11,879	29,686	Over 1½ tons and less than 3½ tons	33	13	16	79
March	27,468	47,611	11,421	21,326	3½ tons and less than 5 tons	6	4	5	4
April	27,241	43,227	10,793	16,848	5 tons and over	5	6	1	18
May	24,908	42,767	9,323	15,631	By body type:				
June	27,966	43,437	10,318	13,413	Van	13	12	8	
July	27,349	43,311	10,915	13,318	Stake or platform	44	18	30	289
August	27,739	45,546	11,129	26,102	Panel or light delivery	19	63	33	10
September	27,436	46,662	11,194	38,958	All other trucks	9	18	5	15
October	27,911	48,645	11,480	36,867	Truck tractors		2	6	69
November	28,293	49,254	11,410	31,359	Trailers and semitrailers		1	0	72
December	28,041	47,369	11,334	33,144					

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Cigarettes:											
Number of establishments	28	4	1	2	2	1	3	1	5	7	2
Number of employees (average for the year)	27,674	15	(^d)	(^d)	189	(^d)	(^d)	839	3,874	22,663	(^d)
Value added by manufacture	\$368,417	\$137	(^d)	(^d)	\$863	(^d)	(^d)	\$10,439	\$37,771	\$510,217	(^d)
Cigars:											
Number of establishments	822	427	133	75	58	36	39	32	16	5	1
Number of employees (average for the year)	47,068	853	880	1,020	1,806	2,672	7,209	11,152	10,601	10,973	(^d)
Value added by manufacture	\$143,145	\$1,831	\$1,620	\$1,941	\$3,937	\$6,558	\$23,095	\$36,359	\$34,071	\$34,753	(^d)
Chewing and smoking tobacco:											
Number of establishments	73	19	10	8	11	5	7	8	3	1	1
Number of employees (average for the year)	11,139	46	64	127	333	349	1,146	2,865	6,809	(^d)	(^d)
Value added by manufacture	\$57,571	\$117	\$239	\$451	\$1,649	\$872	\$5,361	\$16,991	\$31,391	(^d)	(^d)
Tobacco stemming and redrying:											
Number of establishments	163	6	5	10	35	43	43	14	3	3	1
Number of employees (average for the year)	25,001	(^d)	50	134	1,228	3,048	7,077	14,364	(^d)	(^d)	(^d)
Value added by manufacture	\$72,223	(^d)	\$169	\$632	\$3,946	\$8,151	\$22,965	\$36,670	(^d)	(^d)	(^d)

TABLE 5.—VALUE OF PRODUCTS, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of production by the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of production of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of production of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

CIGARETTES INDUSTRY	Produced by—			CHEWING AND SMOKING TOBACCO INDUSTRY	Produced by—		
	Cigarettes industry	Other industries	All industries		Chewing and smoking tobacco industry	Other industries	All industries
Total production by the industry	\$1,131,891 ⁽¹⁾	(⁽¹⁾)	\$1,091,830 ⁽²⁾	Total production by the industry	\$140,142		
A. Cigarettes.....	(⁽¹⁾)	(⁽¹⁾)		A. Chewing and smoking tobacco and snuff.....	137,230	\$22,639	\$159,869
B. Secondary products (cigars, chewing and smoking tobacco, stemmed and unstemmed leaf tobacco).....	42,252 ⁽¹⁾			B. Secondary products (cigarettes and cigars).....	(⁽¹⁾)		
C. Miscellaneous receipts.....				C. Miscellaneous receipts.....			
				Contract and commission work.....	(⁽¹⁾)		
				Scrap and salable refuse.....	151		
CIGARS INDUSTRY	Produced by—			TOBACCO STEMMING AND REDRYING INDUSTRY	Produced by—		
	Cigars industry	Other industries	All industries		Tobacco stemming and redrying industry	Other industries	All industries
Total production by the industry	\$311,401		\$303,908	Total production by the industry	\$957,807		
A. Cigars.....	303,713	\$265		A. Leaf tobacco, stemmed and redried.....	896,605	\$21,845	\$918,450
B. Secondary products (cigarettes, chewing and smoking tobacco, stemmed and unstemmed leaf tobacco).....	1,854			B. Secondary products (unstemmed leaf tobacco—packed and not redried).....	35,781		
C. Miscellaneous receipts.....	5,834			C. Miscellaneous receipts.....	25,421		
Contract and commission work.....	148			Contract and commission work:			
Scrap and salable refuse and products not specified by kind.....	5,632			Packing and redrying of leaf.....	17,858		
Nonmanufacturing activities.....	54			Stemming of leaf.....	5,967		
				Other services.....	790		
				Scrap and salable refuse.....	806		

⁽¹⁾ Withheld to avoid disclosing figures for individual companies.

⁽²⁾ Does not include Internal Revenue taxes paid by the following industries on their entire production of taxable products:

<i>Industry</i>	<i>Excise taxes paid by the industry (in thousands)</i>
2111—Cigarettes industry	\$1,179,381
2121—Cigars industry	\$45,529
2131—Chewing and smoking tobacco industry	\$36,627

⁽³⁾ Does not include Internal Revenue taxes paid on the following products by all establishments in the Tobacco Manufactures group:

<i>Product</i>	<i>Excise taxes paid on total production (in thousands)</i>
Cigarettes	\$1,173,610
Cigars	\$45,300
Chewing and smoking tobacco and snuff	\$42,626

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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	189,616	\$940,020
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	84,485	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	29,376
Twist chewing (M lbs.).....	5,167	4,624	5,503	6,602	4,080
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.

Major Group 22.—TEXTILE MILL PRODUCTS

This major group includes establishments engaged in performing any of the following operations, regardless of the type of fiber used: (1) Manufacturing yarn, thread, cordage, and twine; (2) manufacturing woven fabric, carpets and rugs, braids, laces, knit fabric, knit garments, and other products from yarn; (3) dyeing and finishing fibers, yarn, and fabric; and (4) coating, waterproofing, and otherwise treating fabric. This classification makes no distinction between the two types of organizations which operate in the Textile Industry; namely, the "regular" or "inside" mill which purchases materials, produces textiles and related articles within the establishment, and sells the finished products, and the "contract" or "commission" mill which processes materials owned by others. Establishments weaving or knitting fabrics and also manufacturing finished

apparel or other fabricated textile products in the same establishment are included in this major group; those manufacturing apparel and other fabricated textile products from fabrics knit or woven elsewhere are classified in Major Group 23. Establishments primarily engaged in the sponging or shrinking of cloth for the trade, or employing home workers for hand-knitting or hand-weaving of textile products, are included in Industry 2399. The rubberizing of fabrics is classified in Major Group 30.

Jobbers or converters who do no manufacturing but who assign materials to contract mills for processing are included in certain industries (especially Industries 2211 and 2253) of this major group where they account for a relatively significant part of the total cost of materials or value of shipments.

GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees ¹		Production workers		Value added by manufacture ²
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947.....	8,185	1,233,431	\$2,836,166	1,147,194	\$2,440,312	\$5,340,876
1939 ³	6,388	n.a.	n.a.	1,081,710	906,927	1,817,096
1937.....	6,066	n.a.	n.a.	1,138,219	974,256	1,780,311
1935.....	6,433	1,129,651	986,100	1,009,569	840,742	1,401,150
1933.....	5,957	n.a.	n.a.	971,557	664,456	1,341,076
1931.....	6,490	n.a.	n.a.	901,159	762,230	1,525,144
1929.....	7,415	1,189,644	1,202,650	1,120,200	1,082,260	2,320,874
1927.....	7,633	1,207,750	1,314,012	1,143,017	1,128,270	2,272,507
1925.....	7,892	1,206,782	1,272,442	1,134,667	1,093,269	2,211,036
1923.....	8,249	1,202,849	1,344,004	1,100,205	1,151,510	2,413,226
1921.....	7,665	1,072,116	1,070,686	1,012,384	916,387	1,823,643
1919.....	7,809	1,139,341	1,108,425	1,070,104	932,402	2,299,923
1914.....	6,753	1,013,494	476,407	975,583	416,919	781,373
1909.....	6,490	n.a.	n.a.	932,247	301,971	752,347
1904.....	5,798	813,327	307,017	785,093	270,756	514,977
1899.....	5,930	716,028	249,791	697,505	224,361	441,305

n.a.—Not available.

¹ The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

² Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899-1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. For 1935, cost of contract work subtracted from value of products amounted to \$51.7 million. See GENERAL EXPLANATIONS—Value added by manufacture.

³ The figures for 1939 and 1937 include data for establishments that cut and stitch products from knit cloth made in separate mills of integrated companies. For 1947 and other years, data for these establishments are included in the figures for the "Apparel and related products" industries.

COTTON MANUFACTURES; RAYON AND RELATED MANUFACTURES

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of yarn, thread, and fabric, except woolen and worsted, and in finishing such yarns and fabrics. These establishments have been classified in eight industries and subindustries described separately below.

The Standard Industrial Classification combines all yarn mills regardless of fiber or system of spinning into a single industry (No. 2221) and combines cotton and rayon broad woven fabric mills into a single industry (No. 2231). Standard Industry No. 2221 has been divided into three subindustries: Cotton-system yarn mills; silk-system yarn mills; and wool-system, except carpet, yarn mills. Standard Industry No. 2231 has been divided to show mills making cotton and rayon broad woven goods as separate subindustries. By showing data for these subindustries greater comparability with past censuses is provided and separate information is made available for the important segments of the textile industries.

Data on machinery installed in establishments classified in these industries are shown in table 8 below. Comparable statistics on cotton-system spinning spindles appear in the Census Bureau's monthly Facts for Industry series M15-3, Cotton Spinning Activity, and in the annual Cotton Production and Distribution Bulletin. The number of cotton-system spinning spindles reported in table 8 is approximately one million less than the number shown in the Facts for Industry series for December 1947. This difference is largely attributable to the fact that establishments classified in the Cordage and Twine Industry and in the Narrow Fabrics Industry, which spin yarn for use in further manufacture, were not asked in the Census of Manufactures to report their spindles.

Loom totals in table 8 are comparable with those published quarterly in Facts for Industry series M15A, Cotton Broad Woven Goods, and M15C, Rayon Broad Woven Goods. Insofar as the looms reported in these quarterly publications are located in establishments classified in the Woolen and Worsted Fabric Industry, they are not included in table 8.

Yarn mills primarily engaged in the spinning of yarn are classified in the 1947 census by system of spinning used rather than by fiber spun. The classification "Yarn mills, cotton system," for example, includes all establishments primarily engaged in the

spinning of yarn on the cotton system, even though the yarns produced may be made of wool, silk, rayon, or other synthetic fibers. Yarn mills were classified in the 1939 census, on the other hand, according to the kind of fiber consumed. The 1939 data shown in the following tables have been retabulated to conform to the present system of classification.

Yarn Mills, Cotton System (*Part of Standard Industrial Classification, Yarn Mills, No. 2221.*)—This subindustry comprises establishments primarily engaged in spinning yarn on the cotton system from cotton, wool, silk, rayon, or other synthetic staple fibers. Establishments primarily engaged in twisting, winding, or spooling cotton yarn are also included. Important products include weaving, machine-knitting, hand-knitting, crochet, darning, and embroidery yarns. Spinning mills not included in this subindustry are classified under "Yarn mills, silk system," "Yarn mills, wool system, except carpet," and "Wool carpets, rugs, and carpet yarn."

Establishments of the kinds included in this classification were shown in the 1939 Census of Manufactures under "Cotton yarn," "Silk yarn and thread, spun or thrown" and "Rayon yarn and thread, spun or thrown."

Output of carded cotton yarns, particularly weaving yarns, tire yarns, and cordage, rope, and twine yarns, is somewhat understated in the 1947 census, the understatement amounting to an estimated 550 million pounds in all. This discrepancy is attributable in part to the fact that establishments classified in the Cordage and Twine Industry, the Narrow Fabrics Industry, and elsewhere, which spin yarn for use in further manufacture, were not asked in the Census of Manufactures to report their yarn output, so that yarns spun by such plants are not included in the totals in table 6-A. In addition, some mills reported only their output of yarn spun for sale, omitting yarn spun for their own use or for the use of affiliated plants.

Yarn Mills, Silk System (*Part of Standard Industrial Classification, Yarn Mills, No. 2221.*)—This subindustry comprises establishments primarily engaged in spinning yarn on the silk system from silk, rayon, or other synthetic staple fibers. Establishments engaged primarily in winding silk, rayon, or other synthetic yarns are also included. Important products include weaving and machine-knitting yarns. Spinning mills not included in this subindustry are classified under "Yarn mills, cotton system," "Yarn mills, wool system, except carpet," and "Wool carpets, rugs, and carpet yarn."

Establishments of the kinds included in this classification were shown in the 1939 Census of Manufactures under the same industries as those listed for "Yarn mills, cotton system" above.

Yarn Throwing Mills (*Standard Industrial Classification No. 2222.*)—This industry comprises establishments primarily engaged in throwing or twisting filament yarn of silk, rayon, or other synthetic fibers. These processes were classified in the 1939 Census of Manufactures under "Rayon yarn and thread, spun or thrown," and "Silk yarn and thread, spun or thrown."

The figures shown for this industry for 1947 and 1939 reflect major changes resulting primarily from the displacement of silk, as a major raw material of the industry, by rayon and other synthetic fibers.

Thread Mills (*Standard Industrial Classification No. 2223.*)—This industry comprises establishments primarily engaged in manufacturing thread of cotton, silk, rayon, or other synthetic fibers. Important products of this industry include sewing thread for industrial and for home use, and crochet, darning, embroidery, and hand-knitting threads.

Establishments of the kinds included in this industry were classified in 1939 under "Cotton thread," "Silk yarn and thread, spun or thrown," and "Rayon yarn and thread, spun or thrown."

Production of cotton and rayon and related broad woven goods, shown in table 6-C below, is presented on a quarterly basis in the Census Bureau's Facts for Industry Series M15A, Cotton Broad Woven Goods, and M15C, Rayon Broad Woven Goods. For the most part, differences between the totals shown in these series and in table 6-C are due to the fact that the quarterly series include estimates of the output of establishments which failed to report their production; insofar as these estimates were incorrect, the production totals shown in the quarterly series are of course inaccurate.

Cotton Broad Woven Fabrics (*Part of Standard Industrial Classification, Broad Woven Fabric Mills (Cotton, Silk, and Synthetic Fiber), No. 2231.*)—This subindustry comprises establishments primarily engaged in weaving cotton fabrics over 12 inches in width. It also includes establishments primarily engaged in manufacturing tire cords and fabrics, regardless of fiber content. Important products of this subindustry include duck, osnaburgs, sheetings, print cloth yarn fabrics, napped fabrics, colored yarn fabrics, fine cotton goods, and bedspread, drapery, and upholstery fabrics. Establishments primarily engaged in weaving cotton carpets and rugs are classified under "Carpets and rugs, not elsewhere classified."

This industry classification, as defined in the 1939 census, excluded cotton tire cord and rayon tire fabric, which were shown respectively under "Cotton yarn" and "Rayon broad woven goods." Cotton and linen fish-nets and seines, included in this industry in the 1939 census, are now classified under "Cordage and twine." Data for 1939 have been retabulated on a basis comparable with those for 1947 and are shown in table 1.

Rayon and Related Broad Woven Fabrics (*Part of Standard Industrial Classification, Broad Woven Fabric Mills (Cotton, Silk, and Synthetic Fiber), No. 2231.*)—This subindustry comprises establishments primarily engaged in weaving fabrics over 12 inches in width, except tire fabrics, of silk, rayon, or other synthetic fibers.

Establishments primarily engaged in weaving carpets and rugs from these fibers are included under "Carpets and rugs, not elsewhere classified." Establishments primarily making tire fabrics are classified in the Cotton Broad Woven Goods Industry.

Narrow Fabric Mills (*Full Standard Industrial Classification title and number: Narrow Fabrics and Other Small-ware Mills (Cotton, Wool, Silk, and Synthetic Fiber), 2241.*)—This industry comprises establishments primarily engaged in

weaving or braiding fabrics 12 inches or narrower in width of cotton, silk, rayon, or other synthetic fibers. Establishments primarily engaged in weaving or braiding fabrics 12 inches or narrower in width of elastic yarn are also included in this industry. Important products of this industry include fabric belting (mechanical and apparel), ribbons, tapes, bindings, and gimps; woven labels, hatbands, elastic and nonelastic webbing, covered rubber yarns and threads, and fabric lacings.

Establishments of the kinds included in this industry were classified in the 1939 census under "Cotton narrow fabrics," "Silk narrow fabrics," and "Rayon narrow fabrics." Data for 1939, as shown in table 1, have been retabulated to conform to the 1947 classification.

Finishing Textiles, Except Wool (*Full Standard Industrial Classification title and number: Dyeing and Finishing Textiles (Except Woolen and Worsted Textiles and Knit Goods), 2261.*)—This industry comprises establishments primarily engaged in bleaching, dyeing, printing, finishing, or otherwise converting fabrics, yarn, thread, or raw stock, other than woolen and worsted. Establishments primarily engaged in dyeing or finishing knit goods are classified in the "Knitting mills" group, and woolen and worsted goods under "Finishing wool textiles."

The establishments classified in this industry are of two kinds: those which finish on a commission basis fabric, yarn, or raw stock owned by others; and those which finish their own material. Serious difficulties have arisen in past censuses in the reporting of the latter group. Some establishments finishing their own materials have reported only the value of the finishing processes applied, showing as material cost the cost of the dyestuffs and other supplies consumed; other such establishments have reported the full value of the finished fabric, yarn, or raw stock, and have included in their cost of materials consumed the value of the grey goods or yarn finished during the year. As a result of this confusion, material cost and value of products, as shown in the Census of Manufactures in the past, have been composite figures, reflecting only the cost of dyestuffs and the value of finishing for some establishments and reflecting the cost of grey goods and yarn and the full value of finished products for other establishments.

To escape this difficulty, finishing plants working on their own material were asked in the 1947 census to report only the value of the finishing processes applied, exclusive of the value of the yarn or grey goods on which they worked. They were asked to include in the cost of materials consumed only the value of dyestuffs and other supplies, excluding the cost of the grey goods or yarns processed. "Value of finishing," therefore, is the difference between the value of the grey goods, yarn, or raw stock when it enters the finishing process and the finished value of such material.

In conformity with this approach, spinning and weaving mills which dye and finish their own output were asked to report the value in the grey of the yarns or fabrics produced and shipped, and to show separately the value of the finishing applied to such products.

The cost of materials and value of products shown for this industry in the 1947 census, consequently, are not comparable with figures published for previous years. "Value of products shipped" in the 1947 census includes the value of finishing of own materials, the value of shipments of such secondary products as are produced by establishments classified in this industry, receipts for contract and commission finishing, other contract receipts, and miscellaneous receipts from the sale of waste, repair work, etc.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Cotton broad woven fabrics:								
1947	602	357,361	\$704,532	342,360	\$699,871	\$1,562,336	\$1,732,287	\$3,294,623
1939 ³	661	n.a.	n.a.	318,892	230,470	445,865	448,107	891,972
1937 ⁴	704	n.a.	n.a.	345,514	263,206	462,751	505,878	1,029,629
1935 ⁵	670	304,357	211,940	295,648	192,769	289,809	478,929	788,738
Rayon and related broad woven fabrics:								
1947	507	97,648	232,072	91,174	204,091	488,048	514,875	1,002,928
1939 ³	394	83,546	73,739	79,695	64,886	115,015	199,840	314,855
1937 ⁴	435	n.a.	n.a.	76,298	63,752	105,851	188,955	294,806
1935 ⁵	670	89,739	79,319	85,612	67,842	108,673	156,210	264,853
Yarn mills, cotton system:								
1947	404	92,280	176,162	88,839	160,767	326,839	442,564	769,403
1939 ³	325	n.a.	n.a.	62,511	38,711	73,448	95,938	169,386
Yarn mills, silk system:								
1947	43	1,801	3,924	1,591	3,151	6,929	5,565	12,494
1939 ³	38	n.a.	n.a.	2,875	2,357	4,480	6,791	11,277
Yarn (throwing) mills:								
1947	123	14,866	28,401	13,800	24,323	45,970	18,203	64,173
1939 ³	161	n.a.	n.a.	25,740	16,464	29,448	46,676	76,124
Thread mills:								
1947	80	14,652	33,240	13,126	26,930	67,372	86,897	154,269
1939 ³	87	n.a.	n.a.	14,382	11,458	27,122	29,164	56,286
Narrow fabric mills:								
1947	479	27,662	63,861	24,917	51,604	108,201	102,250	210,908
1939 ³	400	n.a.	n.a.	24,591	21,092	47,319	39,293	85,612
1937 ⁴	354	n.a.	n.a.	22,915	20,338	40,197	36,392	76,589
1935 ⁵	353	23,479	23,141	21,380	18,007	35,742	31,950	67,692
Finishing textiles, except wool:								
1947	641	77,985	218,633	69,035	176,004	359,270	172,130	531,400
1939 ³	498	68,460	82,289	60,237	61,745	130,695	(⁶)	(⁶)
1937 ⁴	442	n.a.	n.a.	61,552	64,220	116,458	(⁶)	(⁶)

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. For "Narrow fabric mills," see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.² For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.³ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. Value added for 1939, before retabulation and on a basis comparable with the figures shown for 1937, was \$438.3 million for "Cotton broad woven fabrics" and \$45.4 million for "Narrow fabric mills." No comparable figures are available for prior years for "Yarn mills, cotton system," "Yarn mills, silk system," "Yarn (throwing) mills," and "Thread mills."⁴ For "Cotton broad woven fabrics," the figures for 1937 but not for 1935 have been revised to include data for dyeing and finishing departments of cotton weaving mills not operated as separate establishments, and to exclude data for cotton rugs, which are classified in "Carpets and rugs, n.e.c." Value added for 1937, on a basis comparable with 1935, was \$441.2 million.⁵ "Cotton broad woven fabrics" was formerly a part of the discontinued classification "Cotton goods." Separate figures are therefore not available for years prior to 1935.⁶ The figures for "Rayon and related broad woven fabrics" for 1937, 1939, and 1947 relate to establishments primarily producing fabrics over 12 inches in width, whereas the figures for 1935 relate to establishments primarily producing fabrics 18 inches and over in width. Data for dyeing and finishing departments of integrated rayon and silk broad woven fabric mills are included in the figures for 1937-47 but not for 1935. Value added for 1937 on a basis comparable with 1935 was \$104.8 million.⁷ "Rayon and related broad woven fabrics" and "Narrow fabric mills" were formerly included in the discontinued classifications "Silk and rayon goods" and "Cotton smallwares." Separate figures are therefore not available for years prior to 1935.⁸ The figures for "Narrow fabric mills" for 1937, 1939, and 1947 relate to mills primarily producing fabrics 12 inches and under in width. The figures for 1935 relate to silk and rayon mills primarily producing fabrics under 18 inches in width and cotton mills primarily producing fabrics 12 inches and under in width. Value added for 1937 on a basis comparable with 1935 was \$39.8 million.⁹ Not comparable with 1947. See text for industry.¹⁰ The figures for 1935 are not sufficiently comparable with those for later years to be shown in this table. They are known to include data for dyeing and finishing departments of textile weaving mills not included in later census years.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Cotton broad woven fabrics, total¹	602	357,361	\$764,532	342,360	687,322	\$699,871	\$1,562,336	\$1,732,287	\$3,294,623	\$78,772
Northeast and North Central.....	193	65,127	156,256	61,244	125,412	139,063	281,534	288,021	569,555	10,953
New Hampshire.....	7	5,299	13,384	4,759	10,244	11,462	23,301	21,434	44,735	761
Massachusetts.....	42	27,491	63,689	26,165	52,670	57,940	112,473	56,513	208,986	4,097
Rhode Island.....	12	5,314	12,844	5,075	10,252	11,841	23,440	21,390	41,836	257
New York.....	17	3,675	9,318	3,544	7,755	8,707	14,160	18,501	32,061	398
New Jersey.....	42	3,191	8,921	2,860	5,823	7,111	16,421	15,073	31,494	1,278
Pennsylvania.....	42	3,726	10,495	3,412	6,830	8,408	21,029	33,005	64,634	398
Illinois.....	5	184	576	137	285	321	900	1,209	2,169	138
South and West.....	409	292,234	608,276	281,116	561,910	560,208	1,280,802	1,444,266	2,725,068	67,810
North Carolina.....	113	71,017	140,111	68,394	134,679	135,371	325,586	307,235	634,821	18,607
South Carolina.....	119	85,866	174,868	83,013	164,388	163,127	376,334	419,272	705,600	21,075
Georgia.....	82	65,277	135,497	62,907	124,785	124,742	299,332	373,313	642,645	13,221
Alabama.....	45	34,531	74,461	33,139	67,151	69,242	166,001	200,000	350,610	6,012
Rayon and related broad woven fabrics, total¹	507	97,648	232,072	91,174	194,655	204,991	488,048	514,875	1,002,923	42,881
New England.....	91	26,835	66,566	24,840	52,189	58,709	127,007	129,872	254,579	8,926
New Hampshire.....	9	2,829	6,663	2,583	5,337	5,763	13,661	15,977	29,628	818
Massachusetts.....	33	11,185	27,971	10,550	22,313	25,074	61,774	62,170	103,950	3,346
Rhode Island.....	36	6,018	16,077	5,569	11,829	13,210	31,247	29,818	58,065	2,426
Middle Atlantic.....	325	23,782	58,849	22,098	47,834	51,059	113,088	116,703	229,701	8,882
New York.....	52	2,943	7,893	2,576	5,633	5,995	17,712	23,114	40,826	554
New Jersey.....	154	4,427	12,632	4,062	8,500	10,780	24,304	22,228	40,532	1,504
Pennsylvania.....	119	16,412	38,324	15,461	33,641	34,284	71,072	71,361	142,433	6,824
South and West.....	91	47,031	106,657	44,230	94,632	95,133	247,363	271,200	518,553	25,073
North Carolina.....	36	16,121	36,405	15,029	32,529	31,935	80,235	97,433	177,608	8,754
South Carolina.....	21	20,499	46,691	19,485	41,105	42,340	110,563	110,367	220,920	10,202
Georgia.....	8	3,324	7,429	3,148	6,592	6,774	13,328	12,436	25,763	770
Yarn mills, cotton system, total¹	404	92,280	176,152	88,839	173,427	160,767	326,839	442,564	769,403	27,049
Northeast and North Central.....	83	8,287	18,642	7,815	15,402	16,317	30,114	40,094	70,208	1,939
New York.....	22	1,155	2,501	1,121	2,258	2,391	4,218	6,550	10,708	47
Pennsylvania.....	11	560	1,119	523	944	942	1,986	3,707	5,693	24
South Atlantic.....	283	73,947	136,677	71,293	139,434	125,242	262,858	349,003	612,401	22,163
North Carolina.....	207	54,409	100,457	52,480	101,666	92,023	197,253	251,232	448,485	16,469
East South Central.....	38	10,046	20,833	9,731	18,591	19,208	33,807	52,867	80,734	2,947
Tennessee.....	4	1,665	3,195	1,598	3,180	2,843	5,094	5,700	10,894	282
Yarn mills, silk system, total¹	43	1,801	3,924	1,591	3,257	3,151	6,929	5,565	12,494	731
New England.....	10	450	1,022	392	768	722	1,712	1,278	2,900	(1)
New Jersey.....	20	454	1,228	409	829	972	2,063	2,258	4,011	128
Yarn throwing mills, total¹	122	14,866	28,401	13,800	26,871	24,323	45,970	18,203	64,173	4,659
New England.....	4	504	1,103	453	918	864	1,070	551	2,527	91
Middle Atlantic.....	85	10,531	20,120	9,792	19,046	17,391	31,508	11,045	43,153	1,633
New York.....	12	930	2,178	871	1,718	1,901	3,478	1,182	4,000	213
New Jersey.....	13	390	796	362	733	694	1,630	1,061	2,691	116
Pennsylvania.....	60	9,211	17,146	8,559	16,595	14,790	26,400	9,402	35,802	1,304
Other Divisions.....	33	3,831	7,178	3,655	6,907	6,078	12,486	6,007	18,493	2,935
Thread mills, total¹	89	14,652	33,240	13,126	26,494	26,930	67,372	86,897	154,269	4,208
New England.....	30	8,092	20,734	7,767	15,680	16,053	41,236	50,787	92,023	1,204
Massachusetts.....	16	3,501	8,280	3,172	6,350	6,861	13,122	19,530	32,658	241
Middle Atlantic.....	43	1,478	3,950	1,191	2,509	2,019	9,929	9,820	19,755	137
New York.....	32	452	1,436	317	640	709	3,277	6,749	10,020	(1)
Other Divisions.....	16	4,482	8,556	4,168	8,290	7,358	16,207	20,284	42,491	2,867
North Carolina.....	5	1,366	2,701	1,226	2,213	2,063	5,371	10,301	15,072	326
Narrow fabric mills, total¹	479	27,662	63,861	24,917	49,841	51,604	108,201	102,250	210,908	5,670
New England.....	141	10,928	25,944	9,893	19,923	21,160	40,755	41,513	82,387	1,905
Massachusetts.....	54	3,233	7,479	2,848	5,617	5,914	11,860	11,015	22,001	569
Rhode Island.....	57	5,304	12,151	4,870	9,874	10,024	19,173	19,077	38,894	569
Connecticut.....	18	2,106	5,492	1,919	3,840	4,002	8,223	9,855	18,080	733
Middle Atlantic.....	262	11,471	27,287	10,234	20,517	21,000	46,540	41,930	88,792	1,604
New York.....	90	2,004	5,122	1,739	3,703	4,002	9,873	12,052	21,092	1,068
New Jersey.....	84	2,643	7,083	2,407	4,615	5,890	13,095	8,090	21,165	473
Pennsylvania.....	88	6,824	15,082	6,088	12,199	12,062	23,578	21,797	45,636	1,027
North Central.....	13	1,486	3,021	1,274	2,381	2,132	5,158	5,442	10,601	109
Illinois.....	7	903	1,831	749	1,368	1,186	3,595	3,262	6,858	65
South Atlantic.....	48	3,018	6,123	2,810	5,631	5,121	13,321	11,412	24,763	1,422
Virginia.....	6	503	937	468	967	807	2,280	2,046	4,632	488
North Carolina.....	21	1,110	2,298	1,035	2,046	1,966	4,572	3,807	8,423	638
South Carolina.....	5	489	1,056	455	949	816	2,041	1,399	3,955	54
East South Central.....	12	726	1,404	677	1,328	1,164	2,279	1,843	4,122	445
Pacific.....	3	33	82	29	61	67	142	101	243	3

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Finishing textiles, except wool, total	641	77,985	\$218,933	69,035	148,266	\$176,094	\$369,270	\$172,130	\$531,400	\$29,668
New England.....	111	22,748	63,987	19,941	42,065	51,747	93,621	52,603	146,224	8,540
Massachusetts.....	50	9,498	26,434	8,357	17,600	21,899	37,854	20,784	58,638	2,945
Rhode Island.....	34	9,019	25,757	7,861	16,821	20,361	38,989	20,070	59,059	2,032
Middle Atlantic.....	423	29,269	92,034	26,035	57,932	75,290	152,328	66,442	218,770	8,742
New York.....	205	8,020	24,185	7,225	16,204	19,620	40,372	17,743	58,115	2,790
New Jersey.....	159	15,448	52,327	13,714	30,228	42,969	86,583	37,125	123,709	4,415
Pennsylvania.....	59	5,801	16,422	5,096	11,500	12,701	25,373	11,573	36,946	1,531
North Central.....	22	1,322	3,695	1,155	2,533	2,690	5,495	2,643	8,138	(d)
Illinois.....	12	367	1,298	320	669	854	1,848	1,305	3,153	295
South.....	68	24,098	56,915	21,430	44,155	45,259	105,245	49,140	154,385	11,280
Virginia.....	7	1,404	3,725	1,359	2,792	3,080	6,267	2,319	8,586	(d)
North Carolina.....	24	5,006	11,241	4,485	8,737	9,081	22,694	8,717	31,411	1,439
South Carolina.....	17	9,445	22,269	8,537	17,674	18,071	41,424	21,660	63,084	2,739
Georgia.....	6	1,766	3,553	1,605	3,393	3,185	7,642	2,587	10,229	380
Tennessee.....	6	2,204	4,976	1,997	4,068	4,104	11,696	6,116	17,812	1,432
Pacific.....	17	548	1,422	474	981	1,108	2,581	1,302	3,883	(d)
California.....	17	548	1,422	474	981	1,108	2,581	1,302	3,883	(d)

^d Withheld to avoid disclosing figures for individual companies.

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Cotton broad woven fabrics: *Northeast and North Central*, Maine, 8 (10,418); Vermont, 1; Connecticut, 9 (3,877); Ohio, 3; Indiana, 2; Michigan, 1; Wisconsin, 2; *South and West*, Maryland, 2; Virginia, 11 (16,047); Kentucky, 2; Tennessee, 6 (6,411); Mississippi, 5 (3,025); Arkansas, 2; Louisiana, 1; Oklahoma, 1; Texas, 19 (6,059); California, 1.

Rayon and related broad woven fabrics: *New England*, Maine, 2; Connecticut, 11; *South and West*, Maryland, 1; Virginia, 20 (5,946); Tennessee, 3; Texas, 1; California, 1.

Yarn mills, cotton system: *Northeast and North Central*, Maine, 3 (677); New Hampshire, 5 (1,241); Massachusetts, 16 (3,929); Rhode Island, 9; Connecticut, 3 (198); New Jersey, 12 (243); Illinois, 2; *South Atlantic*, Maryland, 1; Virginia, 1; South Carolina, 24; Georgia, 50 (14,011); *East South Central*, Kentucky, 1; Alabama, 32; Mississippi, 1.

Yarn mills, silk system: Massachusetts, 2; Rhode Island, 3 (369); Pennsylvania, 5 (258); North Carolina, 2; Alabama, 1.

Yarn throwing mills: *New England*, Massachusetts, 1; Rhode Island, 3; *Other Divisions*, Illinois, 1; Wisconsin, 1; Maryland, 1; Virginia, 4 (758); West Virginia, 1; North Carolina, 19 (1,806); South Carolina, 1; Georgia, 2; Tennessee, 2; Alabama, 1.

Thread mills: *New England*, New Hampshire, 3 (16); Rhode Island, 3 (2,731); Connecticut, 8 (2,444); *Middle Atlantic*, New Jersey, 4 (721); Pennsylvania, 7 (305); *Other Divisions*, Ohio, 2; Illinois, 2; Maryland, 1; Georgia, 2; Kentucky, 1; Tennessee, 3 (1,375).

Narrow fabric mills: *New England*, Maine, 1; New Hampshire, 11; *North Central*, Ohio, 3 (198); Indiana, 1; Michigan, 1; Missouri, 1; *South Atlantic*, Maryland, 4; West Virginia, 2; Georgia, 10 (334); *East South Central*, Kentucky, 1; Tennessee, 2; Alabama, 9 (497); *Pacific*, Oregon 1, California, 2.

Finishing textiles, except wool: *New England*, New Hampshire, 3 (392); Connecticut, 24 (3,839); *North Central*, Ohio, 3 (549); Indiana, 1; Michigan, 1; Wisconsin, 1; Minnesota, 1; Missouri, 3 (245); *South*, Delaware, 1; Maryland, 2; West Virginia, 1; Kentucky, 2; Alabama, 1; Texas, 1.

CENSUS OF MANUFACTURES: 1947

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry							
	Cotton broad woven fabrics	Rayon and related broad woven fabrics	Yarn mills, cotton system	Yarn mills, silk system	Yarn throwing mills	Thread mills	Narrow fabric mills	Finishing textiles, except wool
ALL ESTABLISHMENTS								
Number of establishments.....	602	507	404	43	122	80	479	641
All employees:								
Number (average for the year).....	357,361	97,648	92,280	1,801	14,866	14,652	27,662	77,985
Salaries and wages, total.....	\$764,532	\$232,072	\$176,152	\$3,024	\$28,401	\$33,240	\$63,861	\$218,933
Production and related workers:								
Number (average for the year).....	342,360	91,174	88,839	1,591	13,800	13,126	24,917	69,035
Man-hours, total..... thousands.....	687,322	194,655	173,427	3,257	26,871	26,494	49,841	148,260
Wages, total.....	\$699,871	\$204,991	\$160,767	\$3,151	\$24,323	\$26,930	\$51,604	\$176,094
Value added by manufacture.....	\$1,562,336	\$488,048	\$326,839	\$6,029	\$45,970	\$67,372	\$108,201	\$359,270
ESTABLISHMENTS REPORTING DETAILED STATISTICS								
Number of establishments.....	602	507	404	43	122	80	417	548
All employees:								
Number (average for the year).....	357,361	97,648	92,280	1,801	14,866	14,652	27,364	77,217
Salaries and wages, total.....	\$764,532	\$232,072	\$176,152	\$3,024	\$28,401	\$33,240	\$63,286	\$216,642
Production and related workers:								
Number (average for the year).....	342,360	91,174	88,839	1,591	13,800	13,126	24,627	68,314
Man-hours, total..... thousands.....	687,322	194,655	173,427	3,257	26,871	26,494	49,288	146,967
Wages, total.....	\$699,871	\$204,991	\$160,767	\$3,151	\$24,323	\$26,930	\$51,045	\$174,096
Value added by manufacture.....	\$1,562,336	\$488,048	\$326,839	\$6,029	\$45,970	\$67,372	\$107,000	\$355,744
Number of employees for pay period ended nearest Oct. 15:								
All employees.....	356,620	99,502	91,862	1,709	14,660	13,675	27,397	78,823
Male.....	214,735	57,999	50,604	716	5,312	6,328	12,055	33,393
Female.....	141,885	41,503	41,258	993	9,348	7,347	15,342	45,430
Production and related workers.....	341,182	92,948	88,474	1,530	13,611	12,145	24,086	69,754
Male.....	203,958	53,726	48,114	698	4,718	5,389	10,550	27,504
Female.....	137,224	39,222	40,360	938	8,893	6,756	14,136	42,250
Force-account construction workers.....	960	172	202	---	---	47	10	62
Administrative, supervisory, sales, and all other.....	14,478	6,382	3,186	173	1,049	1,483	2,701	8,977
Male.....	9,817	4,101	2,188	118	594	802	1,495	5,712
Female.....	4,661	2,281	998	55	455	681	1,206	3,265
All employees, number by month:								
January.....	359,325	96,956	96,358	2,416	16,366	16,402	20,016	78,765
February.....	361,517	97,126	95,691	2,256	16,831	16,561	28,771	78,035
March.....	361,909	97,825	94,293	2,188	15,534	16,596	28,448	78,475
April.....	361,179	97,274	94,498	1,851	15,258	16,344	27,020	77,194
May.....	357,364	96,334	91,628	1,571	14,594	16,108	20,930	75,763
June.....	354,555	95,816	89,144	1,517	13,910	14,786	25,088	74,384
July.....	348,666	95,071	86,564	1,455	13,873	14,181	25,376	72,838
August.....	349,507	95,552	87,461	1,502	14,133	13,984	25,878	74,460
September.....	351,136	97,741	89,084	1,561	14,404	13,709	20,434	70,801
October.....	356,620	99,502	91,862	1,709	14,660	13,675	27,397	78,823
November.....	361,616	100,683	93,957	1,741	14,799	13,011	27,898	79,591
December.....	364,727	101,733	95,956	1,805	14,970	14,507	28,354	80,408
Cost of materials, fuel, electricity, and contract work.....	\$1,732,287	\$514,875	\$442,564	\$5,565	\$18,203	\$86,897	\$101,116	\$160,270
Materials, parts, containers, and supplies.....	1,651,794	477,472	428,369	5,361	15,088	77,550	93,575	130,146
Fuels, total.....	14,983	3,147	1,950	86	407	1,240	973	22,670
Bituminous coal.....	12,832	2,009	1,411	22	118	829	375	9,311
Anthracite.....	200	187	316	---	175	66	66	971
Coke.....	---	---	---	---	---	1	4	182
Fuel oils.....	1,397	826	162	61	106	331	409	11,251
Gas.....	436	38	26	1	5	12	19	785
Other fuels.....	118	87	36	2	3	1	10	170
Purchased electric energy.....	32,683	8,178	10,334	117	1,934	756	1,265	4,003
Contract and commission work.....	32,827	26,078	1,911	1	774	7,342	5,303	3,457
Value of inventories:								
Beginning of year, total.....	\$422,088	\$112,811	\$90,849	\$1,838	\$3,573	\$34,080	\$20,133	\$62,563
Finished products.....	104,464	28,688	10,551	232	322	10,946	7,002	7,738
Materials, supplies, and work in process.....	317,624	84,123	80,298	1,606	3,251	23,134	13,131	54,825
End of year, total.....	469,054	128,323	105,082	2,725	3,281	42,107	31,000	67,831
Finished products.....	92,713	29,760	12,695	394	374	12,360	9,059	8,897
Materials, supplies, and work in process.....	376,341	98,563	92,387	2,331	2,907	29,747	21,941	58,934
Expenditures for plant and equipment:								
New plant and equipment.....	\$78,772	\$42,881	\$27,049	\$731	\$4,650	\$4,208	\$5,670	\$20,098
Construction and major alteration of fixed plants.....	23,325	13,226	9,430	291	1,819	2,329	1,801	7,000
Buildings.....	19,271	12,299	7,878	291	1,775	1,919	1,731	6,810
Other construction.....	4,054	927	1,552	---	44	410	100	784
Machinery and equipment.....	55,447	29,655	17,619	440	2,840	1,879	3,869	22,098
Production machinery and equipment.....	51,585	28,294	16,633	430	2,677	1,663	3,445	20,782
Other machinery and equipment.....	3,862	1,361	986	10	163	216	424	1,280
Used plant and equipment, and land.....	5,665	1,619	1,764	6	786	167	238	1,047
Number of highway-type motor vehicles owned or leased:								
Trucks.....	1,349	267	343	10	35	50	132	517
By manufacturer's rated capacity:								
Under 1½ tons.....	300	61	98	2	17	19	66	80
Over 1½ tons and less than 3½ tons.....	743	115	183	5	11	19	30	191
3½ tons and less than 5 tons.....	274	47	54	2	3	10	25	160
5 tons and over.....	19	8	4	---	2	1	4	28
By body type:								
Van.....	42	48	19	2	11	4	20	106
Stake or platform.....	762	124	219	2	8	18	46	125
Panel or light delivery.....	207	44	63	5	12	18	47	181
All other trucks.....	338	51	42	1	4	10	19	105
Truck tractors.....	71	42	23	---	---	10	6	17
Trailers and semitrailers.....	79	47	27	---	---	30	8	27

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 em- p- loyees	5-9 em- p- loyees	10-19 em- p- loyees	20-49 em- p- loyees	50-99 em- p- loyees	100-249 em- p- loyees	250-499 em- p- loyees	500-999 em- p- loyees	1,000-2,499 employees	2,500 employees and over
Cotton broad woven fabrics:											
Number of establishments.....	602	7	18	24	47	41	66	147	147	95	10
Number of employees (average for the year).....	357,361	19	127	357	1,455	2,874	11,655	52,384	103,708	142,931	41,851
Value added by manufacture.....	\$1,692,336	\$152	\$401	\$1,340	\$6,669	\$13,061	\$50,305	\$224,291	\$424,798	\$612,867	\$228,392
Rayon and related broad woven fabrics:											
Number of establishments.....	507	147	45	52	85	97	74	48	39	19	1
Number of employees (average for the year).....	97,648	116	297	739	2,679	6,913	11,134	17,291	27,001	31,473	(^d)
Value added by manufacture.....	\$488,048	\$1,085	\$2,338	\$4,025	\$12,642	\$32,040	\$51,626	\$88,665	\$136,916	\$168,111	(^d)
Yarn mills, cotton system:											
Number of establishments.....	404	11	18	28	24	40	150	91	36	6	
Number of employees (average for the year).....	92,280	29	122	393	809	3,116	25,688	30,811	23,107	8,205	
Value added by manufacture.....	\$326,839	\$138	\$532	\$1,410	\$2,810	\$10,472	\$91,549	\$111,381	\$80,510	\$28,037	
Yarn mills, silk system:											
Number of establishments.....	43	10	6	9	9	4	3	2			
Number of employees (average for the year).....	1,801	23	39	127	281	1,531	(^d)	(^d)			
Value added by manufacture.....	\$6,929	\$117	\$165	\$440	\$1,213	\$4,694	(^d)	(^d)			
Yarn throwing mills:											
Number of establishments.....	122	4	5	8	21	32	39	9	4		
Number of employees (average for the year).....	14,866	11	37	123	738	2,272	5,939	3,142	2,004		
Value added by manufacture.....	\$45,970	\$54	\$166	\$328	\$2,634	\$5,670	\$19,403	\$8,344	\$9,371		
Thread mills:											
Number of establishments.....	89	15	10	10	13	14	10	2	5	3	1
Number of employees (average for the year).....	14,652	32	90	132	359	975	2,242	(^d)	3,211	7,002	(^d)
Value added by manufacture.....	\$97,372	\$254	\$494	\$714	\$2,369	\$4,313	\$11,859	(^d)	\$14,096	\$55,273	(^d)
Narrow fabric mills:											
Number of establishments.....	479	66	54	98	114	72	60	9	5	1	
Number of employees (average for the year).....	27,662	151	364	1,354	3,558	5,285	9,117	2,943	4,890	(^d)	
Value added by manufacture.....	\$108,201	\$1,113	\$1,729	\$5,980	\$15,071	\$21,795	\$35,411	\$11,378	\$16,724	(^d)	
Finishing textiles, except wool:											
Number of establishments.....	641	52	84	97	131	87	109	44	27	10	
Number of employees (average for the year).....	77,935	134	579	1,281	4,031	6,266	17,304	15,872	18,599	13,919	
Value added by manufacture.....	\$359,270	\$892	\$3,124	\$6,679	\$21,867	\$29,880	\$84,214	\$77,385	\$76,239	\$58,990	

NOTE: In the smaller size groups the relationship between value added figures and employment may be affected by the fact that "total employees" excludes working members of the firm. Small errors in reporting may also have distorted the relationship in a few instances.

¹ Includes 1 establishment with no employees accounting for a small amount of value added.

TABLE 5-A.—YARNS—VALUE OF PRODUCTS SHIPPED AND QUANTITY OF YARNS PRODUCED, BY BROAD CLASSES OF PRODUCTS AND BY INDUSTRY, FOR THE UNITED STATES: 1947

[The columns below show the total value of shipments of each of the yarn industries, except woolen and worsted, and total production, by industry, of the major classifications of such yarns. Shipments are divided among: (A) shipments of sale yarns and of yarns transferred to affiliated plants; (B) shipments of products other than these yarns; and (C) miscellaneous receipts, including receipts for contract work and sale of mill waste. Production includes production for own use]

[All figures in thousands]

ITEM	Yarn throwing mills	Yarn mills, cotton system	Yarn mills, silk system	Cotton broad woven fabric mills	Rayon and related broad woven fabric mills	Other industries	All industries
Total shipments.....	\$64,173	\$769,403	\$12,494				
A. Yarns, spun and thrown, except woolen and worsted.....	17,098	698,791	3,515	\$63,211	(^d)	\$41,787	\$824,402
Sale yarns.....	11,006	556,560	3,515	35,842	(^d)	22,603	629,586
Yarns transferred to affiliated plants.....	6,092	142,231		27,369	(^d)	19,124	194,816
B. Other products.....	1,428	139,640	(^d)				
C. Miscellaneous receipts.....	45,647	30,972	8,979				
Contract and commission work.....	45,575	11,973	8,765				
Sale of mill waste.....	72	18,999	214				
	(Pounds)	(Pounds)	(Pounds)	(Pounds)	(Pounds)	(Pounds)	(Pounds)
Total production, yarns, spun and thrown, except woolen and worsted.....	70,056	877,753	5,355	2,903,351	229,339	74,201	4,160,055
Thrown yarns.....	69,946	2,272		1,544	70,121	228	144,111
Cotton-system yarns.....	110	875,481	3,309	2,901,807	158,907	73,962	4,013,676
Silk-system yarns.....			2,046		311	11	2,368

¹ Included in "Other industries."

² Includes cotton broad woven fabrics, \$7,818,000; rayon and related broad woven fabrics, \$4,286,000; thread, \$11,572,000; cordage and twine, \$8,586,000; knit fabrics, \$3,002,000; value of dyeing and finishing of own materials (except wool), \$3,654,000; and other products, \$722,000.

³ "Other products" combined with receipts for contract and commission work to avoid disclosing figures for individual companies.

TABLE 5-B.—COTTON MANUFACTURES AND RAYON AND RELATED MANUFACTURES, EXCEPT YARNS—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

(Thousands of dollars)

COTTON BROAD WOVEN FABRIC MILLS	Shipped by—			RAYON AND RELATED BROAD WOVEN FABRIC MILLS	Shipped by—		
	Cotton broad woven fabric mills	Other industries	All industries		Rayon and related broad woven fabric mills	Other industries	All industries
Total shipments by the industry	\$3,294,623		\$3,109,784	Total shipments by the industry	\$1,002,923		
A. Cotton broad woven fabrics.....	2,992,272	\$117,512	\$3,109,784	A. Rayon and related broad woven fabrics.....	808,750	\$41,848	\$850,607
Cotton duck and allied fabrics.....	133,315	4,231	137,546	Filament rayon fabrics.....	440,000	5,203	445,193
Sheeting and allied coarse and medium yarn fabrics.....	840,513	11,005	851,518	Spun rayon fabrics.....	103,125	15,100	118,234
Print cloth yarn fabrics.....	401,651	9,403	471,054	Filament-and-spun rayon fabrics.....	75,907	3,131	79,038
Napped cotton fabrics and blankets.....	161,758	5,006	166,764	Pile, upholstery, and tie fabrics.....	54,038	1,685	55,723
Fine cotton goods.....	375,438	51,088	426,526	Rayon mixtures.....	83,849	17,375	101,224
Towels, toweling, and dishcloths.....	116,336		116,336	Nylon, silk, and other fabrics.....	43,949	2,256	46,195
Other woven cotton fabrics and specialties.....	886,017	23,182	909,199	B. Secondary products.....	141,038		
Cotton mixtures, except suitings.....	17,244	13,597	30,841	Cotton duck and allied fabrics.....	2,434		
B. Secondary products.....	250,732			Cotton print cloth yarn fabrics.....	8,957		
Woolen and worsted fabrics.....	18,496			Fine cotton goods.....	51,088		
Value of finishing of own materials ¹	80,019			Other woven cotton fabrics and specialties.....	14,203		
Cotton cordage and twine.....	4,181			Cotton mixtures, except suitings.....	9,035		
Sheets and pillowcases.....	10,426			Tire cord and fabric, sheeting, and colored yarn fabrics.....	6,161		
Towels and washcloths.....	6,039			Woolen and worsted fabrics.....	20,802		
Other household furnishings.....	6,219			Spun and thrown yarns.....	9,180		
Rayon pile, upholstery, and tie fabrics.....	1,643			Value of finishing of own materials ¹	8,248		
100% rayon fabrics.....	20,248			Other secondary products.....	9,034		
100% rayon mixtures and blends.....	13,619			C. Miscellaneous receipts.....	53,126		
Nylon, silk, and other fabrics.....	2,225			Contract and commission work.....	50,000		
Thread.....	2,417			For weaving.....	44,762		
Sale yarn, spun and thrown.....	35,842			For dyeing and finishing.....	2,857		
Yarn, spun and thrown, transferred to affiliated plants.....	27,369			For work on yarn and thread.....	2,397		
Other secondary products.....	15,089			Sale of mill waste.....	3,120		
C. Miscellaneous receipts.....	6,157						
Contract and commission work.....	45,462						
Sale of mill waste.....							

FINISHING TEXTILES, EXCEPT WOOL, INDUSTRY	Shipped by—			THREAD MILLS	Shipped by—		
	Finishing textiles, except wool, industry	Other industries	All industries		Thread mills	Other industries	All industries
Total shipments by the industry	\$531,400		\$186,716	Total shipments by the industry	\$154,269		\$139,682
A. Value of finishing of own materials, except wool ¹	74,330	\$112,386	\$186,716	A. Thread.....	124,486	\$15,190	\$139,682
B. Secondary products.....	3,170			For consumption in the home.....	44,421	833	45,254
C. Miscellaneous receipts.....	453,900			For industrial or manufacturers' use.....	80,065	14,363	94,428
Contract and commission work.....	443,218			B. Secondary products.....	21,761		
For finishing.....	443,427			Spun and thrown yarns.....	16,070		
For other contract and commission work.....	4,889			Other secondary products.....	5,691		
Scrap and salable refuse.....	5,534			C. Miscellaneous receipts.....	8,022		
				Contract and commission work.....	6,417		
				Sale of mill waste.....	1,605		

NARROW FABRIC MILLS	Shipped by—		
	Narrow fabric mills	Other industries	All industries
Total shipments by the industry	\$210,008		\$203,362
A. Narrow fabrics.....	196,643	\$3,740	\$200,383
B. Secondary products.....	8,441		
C. Miscellaneous receipts.....	2,824		
Contract and commission work.....	2,630		
Scrap and salable refuse.....	188		

¹ See text for Finishing Textiles, Except Wool, Industry.

TABLE 6-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 commission (pounds)	Pounds	Value f.o.b. plant	Total (pounds)	Made from own materials (pounds)	Made on commission (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	82,288	35,953	4,341	7,392	2 75,962	2 58,326	17,636	4,932	4,998
Rayon filament	104,742	74,582	30,180	2,239	2,651	2 69,123	2 54,863	14,269	4,225	2,861
Other weaving yarns	13,479	7,886	5,773	2,102	4,741	2 6,839	2 3,463	3,376	3,707	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	5,909	1,899	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	2,954	1,238	1,726	1,462	2,793	2 35,678	2 17,570	2 18,108	2 9,037	2 27,486
Yarns spun on silk system	2,308	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	3,343,490			559,733	365,314	2,701,963			350,266	88,042
Weaving yarns (other than carpet)	2,677,676			271,744	182,700	2,412,448			199,511	46,848
Carpet yarns	45,201			34,782	19,647	(4)			15,183	2,779
Machine-knitting yarns	198,832			165,875	114,952	171,687			124,033	27,895
Tire cord yarns	2 301,349			1,591	990	(4)			(4)	(4)
Cordage, rope, and twine yarns	2 12,436			5,114	2,782	(3)			(4)	(4)
Sewing-thread yarns	3,145			2,504	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	437,018			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	46,814			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			16,050	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	7,095
100% spun rayon yarns	160,516			19,906	17,316	69,510			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			800	618	21,006			6,187	3,960
Cotton-wool mixed or blended yarns	9,093			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	2,829,406	1,635,743	840,022	49,381	41		4,309
Combed cotton	243,806	34,506	119,013	69,710	8,964	10,890	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	466,098	346,843	116,727	3,128			
Combed cotton	188,218	26,986	115,034	31,377	8,753	5,619	449
Spun rayon	10,253	5,767	9,833	592	61		
All other yarns	10,399	13,046	2,573	2 780	(2)		

See footnotes at end of table.

TABLE 6-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
Thread, total.....	68,032	68,853	\$139,682	51,460	51,396	\$49,067
For consumption in the home.....	18,186	18,456	45,254	13,820	13,820	18,030
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	552			
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 6-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	10,807,249	10,816,769	10,680,141	\$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	11,311,602
Ounce duck.....	97,614	163,815	155,398			81,416	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	99,804		
Single filling.....	50,852	84,038	80,196			34,585	50,940		
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	18,030						
All other double filling flat duck constructions.....	5,278	9,892	7,870						
Numbered duck (including narrow, sail, wide, and naught).....	28,377	23,202	17,296			31,774	20,248		
12/0 to 3/0—all widths.....	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	24,064		
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.....	8,363	9,565	7,068						
Paper felts.....	3,967	1,285	405			3,660	1,284		
Hose and belting ducks.....	55,803	42,172	27,836			24,088	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			14,678	4,800	(15)			

See footnotes at end of table.

TABLE 6-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 1,504,327	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						
30-inch: 40 x 28, 7-ounce; and 38 or 40 x 24 to 26, 2.35 yard.....	8,340	19,372	¹² 19,372						
30-inch: 32 x 28, 2.85 yard; and 32 x 26, 2.95 yard.....	14,709	42,635	42,635			n.a.	n.a.		
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	73,550						
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.....	73,706	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	94,025	92,048						
31-inch: 48 x 48 and 48 x 44, 5.00 yard.....	6,476	27,377	32,378						
All other class B constructions.....	¹³ 32,065	¹³ 120,636	113,985			n.a.	n.a.		
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	25,509	¹² 22,952						
40-inch: 60 x 66/60 x 52 and 50 x 60/56 x 50, 3.00 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 66/60 x 52 and 50 x 60/56 x 50, 4.00 yard.....	10,107	40,428	40,428						
30-inch: 48 x 44/48 x 40 and 44 x 44/44 x 40, 5.50 yard.....	6,599	36,257	36,257						
30-inch: 44 x 40 and 40 x 40, 6.05 to 6.15 yard.....	4,404	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.....	1,390	29,072	34,000						
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 silestas (sheeting yarns).....	17,757	55,026	51,357			(¹⁵)	(¹⁵)		
Four-leaf twill fabrics.....	67,680	140,734	137,052			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 diapor 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			(¹⁶)	(¹⁶)		
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			²⁰ 100,616	²⁰ 579,556		
Carded percales.....	11,555	42,942	21,599						
Muslin.....	192,590	658,469	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 6-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	140,053	408,272	333,014			²⁰ 108,051	²⁰ 415,087		
Sheetings (42 inches and wider)	81,960	333,091	239,768			²⁰ 68,130	²⁰ 315,815		
Soft filled sheeting for napping	10,673	52,480	39,271						
Single yarn	12,981	37,177	¹² 30,883						
Plied yarn	6,602	15,309	¹² 8,388						
Class A (average yarn numbers up to 15's, inclusive)	24,048	63,296	¹² 46,602			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 25,820		
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 33,303		
Pillow and industrial tubing	4,248	14,180	11,200			6,968	21,149		
Print cloth yarn fabrics (carded yarns approximately 25's to 42's), total	496,395	3,479,403	3,229,025	3,235,164	\$471,054	²⁴ 494,774	²⁴ 3,140,234	²⁴ 2,999,356	²⁴ \$128,312
Window shade cloth	29,402	177,303	151,481			(15)	(15)		
Plain print cloths (total threads per square inch 180 to 400)	250,344	1,268,505	1,101,014			321,351	1,095,761		
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						
38 1/2-inch, 64 x 64, 4.85 yard	22,303	117,256	108,270			(25)	(25)		
38 1/2-inch, 64 x 60, 5.35 yard	15,282	87,365	81,727						
38 1/2-inch, 64 x 56, 5.50 yard	20,067	117,868	110,260						
38 1/2-inch, 60 x 48, 6.25 yard	11,146	74,474	69,067						
All other constructions	77,675	388,555	355,251			321,351	1,095,751		
Under 36 inches	5,433	30,773	36,171			18,264	113,770		
36 inches and wider	72,242	357,782	¹² 319,080			²⁶ 303,087	²⁶ 1,681,981		
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, 99 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 44,470	²⁷ 803,001		
All widths, 20 x 12 construction	18,816	440,941	428,521						
All widths, 17/18 sley x 12/14 pick	20,289	513,004	463,373			n.a.	n.a.		
All other constructions	27,492	411,530	373,220						
Carded broadcloths (all widths)	62,743	255,000	245,532			65,627	205,200		
100 x 60	15,440	62,019	61,199						
80 x 60	9,523	46,290	44,711						
All other constructions (including slub yarns)	37,780	145,851	139,622			n.a.	n.a.		
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	91,708		
All other print cloth yarn constructions	5,843	20,249	22,538			11,705	51,507		
Napped cotton fabrics, blankets, and blanketings, total	197,350	682,963	502,393	480,056	166,704	179,827	542,022	451,414	54,503
Outing flannels	55,635	220,023	226,536			²⁸ 60,800	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	110,000	(29)	(29)	300,382	30,003
Interlining flannels	10,542	43,943	38,538			(28)	(28)		
All other napped fabrics, except blankets	23,691	71,637	59,232			22,590	65,070		
Crib blankets (including all fibers)	8,431	17,866	15,915	15,044	9,534	5,027	11,904	10,751	2,715
Blankets and blanketings (other than crib)	48,303	124,602	58,224			60,481	159,150	80,281	21,185
All cotton	28,080	72,692	36,779	36,026	20,150	48,071	120,009	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 76,025
Denims, clothing (basis 28-inch width)	151,047	260,166	309,974			116,051	192,314		
1.50 yd. and 2.00 yd.	31,512	49,081	55,226						
2.20 yd.	108,476	186,064	226,833			n.a.	n.a.		
All other clothing denims	11,059	25,021	27,915						
Cottonades and suiting covers	12,226	26,416	26,991			24,023	52,720		
Pin stripes, pin checks, hickory stripes, etc.	14,598	27,752	30,801			(31)	(31)		
Whipcords and bedford cords	9,999	18,579	16,787			(15)	(15)	(15)	(15)
Shirting covers (twill and plain weave)	8,265	26,827	25,070			21,657	74,051		
Chambrays and colored yarn shirtings (carded yarns)	35,267	137,393	140,803			²² 24,488	²² 90,088		
36-inch, 3.90 yd.	13,756	53,738	53,738						
All other carded yarn chambrays and shirtings	21,511	83,655	87,065			n.a.	n.a.		
Ginghams, checks, and plaids (excluding combed)	10,978	49,450	49,517			7,620	33,797		
Seersuckers (all weights, except combed and fine carded), stripes, checks, and plaids	2,655	8,517	8,395			1,214	4,530		

See footnotes at end of table.

TABLE 6-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 sating 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	12,173			n.a.	n.a.		
Bed tickings (woven)	46,784	118,421	113,472			29,888	72,473		
Jacquard woven	5,535	12,365	8,856						
Other than Jacquard woven	41,249	106,056	104,616			n.a.	n.a.		
Finer cotton goods, combed, part combed, and fine carded, total	372,593	1,370,934	1,224,946	1,215,496	\$426,526	176,004	1,085,057	33 1,036,206	33 \$94,044
Broadcloths (combed and part combed)	41,678	169,200	169,919			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	22,907	21,027			4,168	27,500		
Fancy handkerchief fabrics	3,568	22,298	21,045						
Dobby	2,950	18,413	17,405			(34)	(34)		
Box	588	3,885	3,640						
Lawns and organdies (combed and part combed)	20,070	150,112	142,625			24,614	217,687		
40-inch, 96 x 100, 6.75 yd	2,039	15,311	13,782						
40-inch, 70 x 72, 9.00 yd	5,006	40,106	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 2,783			(34)	(34)		
Marquisettes (all combed and part combed)	20,380	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	10,128	165,480	141,296			19,097	179,747		
Oxfords (combed and fine carded—carded average yarn finer than 35's)	13,533	49,954	40,170			35 4,303	35 13,552		
Piques (combed and fine carded)	6,101	22,215	20,165			35 1,257	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)		
Shirtings, 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	121,014			35 20,775	35 94,162		
Twills, combed	16,988	41,847	34,880			13,505	28,306		
Gambines, combed	3,178	8,400	6,486						
All other combed twills	13,810	33,447	12 28,394			n.a.	n.a.		
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	42,630	39,013			7,307	70,010		
Dotted swiss	2,390	19,560	18,333			(34)	(34)		
Scarsuckers	1,743	7,062	6,426						
All other combed, part combed, and fine carded fabrics (average carded yarn finer than 35's)	47,910	199,072	186,404			15,539	91,642		
Towels, towellings, and dishcloths, total	127,069	252,243	408,606	402,565	116,336	35 114,144	35 245,035	35 482,641	35 38,722
Turkish and terry-woven (including washcloths and bath mats)	91,820	168,275	243,380			77,286	152,389		
Tuck, damask, and Jacquard-woven (other than terry)	10,097	26,827	52,163			14,868	37,240		
Dish towels, other twill and plain-woven towels (including all cotton, part linen, and part rayon), and dishcloths	24,252	57,141	113,063			35 21,990	35 55,397		
Other woven cotton fabrics and specialties, total	252,289	466,889	367,024	354,527	277,700	177,690	386,134	37 317,487	37 83,159
Bedspread fabrics, woven style (all cotton or cotton warp)	32,203	73,889	31,718			21,646	60,083		
Bedspreads, Jacquard woven	21,785	40,391	16,846						
Bedspreads, not Jacquard woven	10,418	33,498	14,872			n.a.	n.a.		
Drapery, upholstery, and tapestry fabrics (all cotton and chiefly cotton)	99,365	164,037	127,450			65,237	146,101		
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	21,025	20,717						
Velvets, velveteens, plushes, and other pile fabrics (including combed)	24,886	32,041	24,350			30,200	35,587		
All cotton	4,906	10,004	8,922			n.a.	n.a.		
Part cotton	19,980	22,037	15,428						
Table damask, cloths, covers, and napkins	12,070	35,123	29,907			4,900	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.

TABLE 6-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	25,835	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			0,009	10,342	(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			(pounds) 568,174	363,422	³⁸ 260,473	³⁸ 208,890	³⁸ 133,498	³⁸ \$50,781
Cotton	350,685					280,473	208,890	133,408	50,781
Tire cords (not woven)	285,076					97,084			21,095
Tire cord fabrics (woven)						145,969	184,051		
Chafar fabrics (single and ply)						10,536	14,860	133,408	37,786
All other tire fabrics	65,609	97,264	83,153			0,884	0,073		
Rayon and other	214,576								
Tire cords (not woven)	26,638					(39)	(40)	(40)	(39)
All other tire fabrics, including woven tire cord fabrics	188,938								

PRODUCT	1947					1939				
	Total	Made from own materials			Made on commission	Shipments of unfinished goods		Production		
	Linear yard	Pounds	Square yard	Linear yard	Linear yard	Linear yard	Value f.o.b. plant	Pounds	Linear yard	Value
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	226,001	998,075	⁴⁰ 236,886
Flat fabrics (producers' twist in warp and filling)	652,252			531,571	120,681			137,962	620,670	
Bright viscose taffetas	50,828	7,560	42,506	37,902						
Pigment viscose taffetas	103,706	16,901	100,075	87,508						
Acetate taffetas	76,616	11,893	63,407	54,519				57,567	204,768	
Cross-dyed taffetas	13,281			7,458	6,825					
Jersey weaves	6,559			5,495	64			(41)	(41)	
Sharkskins	15,530	4,164	15,074	13,109	2,861			(41)	(41)	
Twills and serges	169,325	36,432	171,534	148,565	20,730			27,167	128,553	
Viscose satins	26,331		22,841	19,609	0,722					
Acetate satins	142,254	27,778	137,087	113,772	28,482			33,362	135,067	
All other flat fabrics	48,922	10,661	48,915	43,546	5,376			10,866	60,702	
Twisted yarn fabrics (more than producers' twist in warp and/or filling)	584,553	121,493	672,307	515,468	60,085			88,639	372,005	
Crepe satins (including voile filled)	28,258	8,459	37,094	20,470	1,788			7,215	26,027	
Flat, faille, and canton crepes	111,964	22,036	130,377	93,589	18,275					
French crepes (voile twist filling)	119,850	23,895	146,553	108,321	11,635			30,200	158,540	
Plied yarn fabrics	164,815	46,652	199,514	151,269	13,549					
Plain weaves	118,393	30,477	138,917	105,730	12,013			32,092	124,875	
Fancy weaves	⁴² 46,422	16,175	60,597	45,499	933			(41)	(41)	
Marquissettes (leno weaves)	67,959	7,371	69,940	55,459	2,500			2,400	10,074	
Ninons and voiles (voile twist warp and filling)	39,082	3,554	34,445	28,289	10,793					
Othersheers (gergettes, triple sheers, etc.)	49,398	6,552	51,510	40,899	8,997					
All other twisted yarn fabrics	12,723	2,844	12,874	11,072	1,651			0,754	41,089	
100 percent spun rayon fabrics	332,451	110,627	388,692	328,967	5,484	311,400	118,234	50,118	176,677	(40)
Twills (including serges, gabardines, etc.)	⁴³ 86,429	31,933	101,911	85,041	1,388					
Challis	⁴³ 69,974	16,174	66,810	60,093	881					
Linen type and flakes	25,872	5,325	29,312	25,666	6			n.a.	n.a.	
Plied yarn fabrics (suitings, shirtings, etc.)	55,860	21,804	70,019	55,834	26					
Other 100% spun rayon fabrics	⁴⁴ 104,516	32,391	120,840	103,333	1,183					
Filament-and-spun rayon fabrics	178,982	51,504	193,648	162,590	16,392	195,474	79,038	6,713	22,749	(40)
Ribbed and corded fabrics (poplins, failles, bengalines, etc.)	67,350	19,997	67,086	55,026	12,324					
Shantungs (nub and slub)	23,730	7,210	27,356	23,710	40					
Fujis	66,440	17,427	75,455	64,312	2,128			n.a.	n.a.	
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) ⁴⁵	57,060	26,147	59,394	51,793	5,267	50,965	55,723	9,050	33,791	(41)
Velvets, plushes, and other pile fabrics	⁴⁵ 14,587	9,999	17,252	14,068	519			⁴³ 2,712	⁴³ 7,172	
Upholstery, drapery, and tapestry fabrics	⁴⁵ 21,273	11,644	26,369	19,664	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	10,979	2,303					
Other than yarn-dyed fabrics	7,018	1,813	7,648	7,052	866			n.a.	n.a.	
All other rayon mixtures and blends with other fibers	171,537		201,917	161,072	10,465	160,029	108,224	42,085	110,010	⁴⁶ 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	65,279	21,749	58,705	50,361	4,018					
Spun rayon and cotton	⁴⁷ 48,360	20,394	67,360	48,039	321			n.a.	n.a.	
Rayon and other fibers	⁴⁷ 31,624	9,824	40,342	27,166	4,455					
Rayon elastic fabrics	3,236		2,682	2,788	448					
Nylon, silk, and other fabrics	61,673			52,213	9,460	50,448	46,195	12,392	68,795	34,002
100% nylon fabrics	21,881	3,382	24,569	19,433	2,448	19,698	14,200	(47)	(47)	
100% silk fabrics	9,986			4,198	5,787	4,303	10,259	0,490	41,221	18,829
Silk mixtures (51% or more silk)	414	77	406	332	82	481	5,645	5,833	27,574	15,173
All other woven fabrics	29,392	15,518	28,466	28,249	1,143	28,991	21,101	n.a.	n.a.	n.a.

See footnotes at end of table.

TABLE 6-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		Value of production
		Quantity	Value	
Narrow fabrics, 12 inches and under in width, total			\$200,779	\$80,079
Elastic cotton fabrics (fabric content chiefly cotton)				
Woven	Lin. yd.	530,723	23,247	16,065
1½ inches in width and under	do.	247,871		
Over 1½ inches up to 6 inches in width	do.	228,462		
Over 6 inches in width	do.	16,357	n.a.	n.a.
Braided	do.	3,062		
	do.	282,852		
Elastic rayon fabrics (fabric content chiefly rayon)				
Woven	do.	388,019	12,857	(*)
1½ inches in width and under	do.	93,985		
Over 1½ inches in width	do.	80,119		
Braided	do.	13,866	n.a.	n.a.
	do.	204,034		
Cotton narrow fabrics (51 percent or more cotton)			91,639	29,486
Bolting for wear on the person	Lin. yd.	84,774		
Bolting, transmission and conveyor	Pound	2,300		
Tie tapes	Lin. yd.	1,000,108		
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.	522,015		
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	3,821	4,572	n.a.
Other narrow fabrics, not classified			2,575	n.a.

TABLE 6-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	⁵⁰ 2,174,352	⁶⁰ 1,431,038	⁶⁰ 1,374,126	⁶⁰ 69,649
Filament rayon broad woven fabrics	144,087	770,105	152,085	13,696	(*)	⁵¹ 972,056	⁵² 254,871	⁵² 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	n.a.	n.a.	n.a.	n.a.
All other fabrics	132,075	770,871	26,606	3,977				

PRODUCT	1947		ITEM	1947
	Bleached (pounds)	Dyed (pounds)		Value
Raw stock ⁵³	18,820	128,336	Value of finishing of own materials ⁵⁴	\$186,716
Yarns ⁵³	38,465	224,790	Receipts for contract finishing ⁵⁴	443,427

See footnotes at end of table.

TABLE 6-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 ^{1 2}	90,727	755,823	\$75,056
Cotton waste	87,757	603,874	60,846
Card strips	28,470	139,560	20,520
Comber noils	15,308	88,790	16,500
Other cotton waste	43,889	375,515	23,826
Cotton rags	1,057	14,178	1,811
Cotton bagging		12,700	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			6,210

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 60 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 38 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 chevots.

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.

TABLE 7.—MATERIALS CONSUMED: 1947

[Information not published for these industries]

TABLE 8.—COTTON MANUFACTURES AND RAYON AND RELATED MANUFACTURES INDUSTRIES: MACHINERY FOR TEXTILE MANUFACTURING, IN POSSESSION, DECEMBER 31, 1947

TYPE OF MACHINE	Total ¹	Idle entire year ¹	TYPE OF MACHINE	Total ¹	Idle entire year ¹
Cotton-system machinery:			Winding equipment:		
Cards.....	86,442	656	Spoolers:		
Combs.....	9,138	268	Automatic.....	201,571	1,607
Roving machinery, number of spindles.....	3,046,552	59,136	Nonautomatic.....	377,036	22,230
Long draft:			High-speed tube or cone winders.....	344,127	6,311
Slubbers.....	523,272	1,568	Spindles for winding finished thread on spools, cones, reels, and skeins.....	342,770	31,277
Intermediates.....	309,636	3,444	Other tube and cone winders.....	100,761	3,685
Fine frames.....	295,202	7,240	Other winding equipment.....	228,515	11,519
Jack frames.....	17,024		Warping equipment:		
Regular draft:			High-speed warpers (300 yards per minute or more).....	2,763	7
Slubbers.....	184,789	3,426	Low-speed warpers (less than 300 yards per minute).....	2,644	195
Intermediates.....	329,786	12,042	Narrow looms: ²		
Fine frames.....	1,006,083	23,504	Number of looms.....	12,449	2,105
Jack frames.....	380,670	7,912	Number of shuttles.....	550,961	78,545
Cotton-system spinning spindles.....	22,720,849	149,582			
Ring spinning spindles.....	22,611,893	137,102			
By type:					
Long draft:					
Tape drive.....	10,342,316	51,044			
Band drive.....	4,042,126	6,260			
Regular draft:					
Tape drive.....	2,393,758	1,182			
Band drive.....	5,893,693	78,616			
By ring diameter:					
1 3/8 inches and smaller.....	4,440,248				
1 7/16 inches through 1 3/4 inches.....	7,619,801				
1 13/16 inches through 2 1/4 inches.....	8,714,886				
2 5/16 inches and larger.....	1,836,958				
Mule spinning spindles.....	117,956	12,480			
Doubling and twisting spindles, cotton system.....	3,513,774	96,366			
1 3/4 inches and smaller.....	513,008				
1 13/16 through 2 5/16 inches.....	1,106,054				
2 7/16 through 3 1/2 inches.....	1,266,481				
3 7/16 inches and larger.....	568,171				
Silk-system spinning spindles.....	506,687	73,113			
Throwing and twisting spindles.....	1,883,785	36,990			

TYPE OF MACHINE	Number of braiding machines	
	Elastic	Nonelastic
Braiding machines, total ²	30,663	100,629
9 carriers.....	1,553	2,890
17 carriers.....	8,087	5,059
25 carriers.....	4,081	4,570
32 carriers.....	202	9,006
38 carriers.....	1,798	5,867
41 carriers.....	2,133	2,277
44 carriers.....	406	8,082
49 carriers.....	600	3,917
64 carriers.....	59	2,264
All others.....	10,844	56,697

TYPE OF MACHINE	Number of looms ¹							
	Total		Plain		Dobby		Jacquard	
	Automatic	Nonautomatic	Automatic	Nonautomatic	Automatic	Nonautomatic	Automatic	Nonautomatic
Looms, except narrow looms, total.....	440,827	20,339	334,060	8,736	105,611	15,240	15,156	5,363
Cotton looms primarily weaving cotton broad goods:								
Less than 42 inches:								
With drop box.....	40,674	1,757	28,939	1,195	10,517	313	1,218	249
Without drop box.....	216,063	637	190,751	405	22,649	232	1,663	
42 inches and over:								
With drop box.....	10,926	1,765	10,627	329	6,283	412	3,016	1,024
Without drop box.....	84,294	2,268	71,796	1,701	10,492	43	2,006	434
Cotton-type looms primarily weaving other than cotton goods:								
Less than 42 inches:								
With drop box.....	2,175	98	1,519	98	400		256	
Without drop box.....	9,680	148	7,967	82	1,327	14	286	52
42 inches and over:								
With drop box.....	3,408	655	179	43	2,728	331	496	281
Without drop box.....	11,406	1,617	3,904	455	7,248	673	164	489
Rayon or silk looms:								
Less than 42 inches:								
With drop box.....	723	773	575	158	120	351	28	264
Without drop box.....	5,368	613	4,784	124	528	451	50	38
42 inches and over:								
With drop box.....	10,127	15,332	2,313	2,398	16,266	10,855	548	2,079
Without drop box.....	38,088	3,676	10,616	1,658	27,053	1,565	419	453

¹ All figures except those for narrow looms exclude machinery in establishments classified in the Narrow Fabrics Industry.
² Excludes machinery in establishments classified in industries other than the Narrow Fabrics Industry.

WOOLEN AND WORSTED MANUFACTURES

This report shows 1947 Census of Manufactures statistics for establishments primarily engaged in the various manufacturing processes required to produce woollen and worsted yarns and fabrics. These establishments have been classified in four industries described separately below. The term "wool" is used here as defined in the Wool Products Labeling Act of 1939, and includes not only the wool of the sheep but also the hair of certain other animals, including the Angora and Cashmere goat, camel, alpaca, llama, and vicuna.

Raw ("greasy") wool is scoured before it is spun on the woollen system; in addition, scoured wool is combed before it is spun on the worsted system. Establishments chiefly engaged in scouring or combing, and establishments which spin yarn on the woollen or worsted system, are classified in this census in separate industries. The weaving of woollen or worsted yarn into fabric, and the dyeing and finishing of wool, tops, yarn, and woollen and worsted fabrics, are likewise classified as separate industries.

Scouring, combing, spinning, and weaving operations were considered in the 1939 census to constitute a single process, and establishments primarily engaged in any of these operations were classified under "Woollen and Worsted Manufactures—regular factories or jobbers engaging contractors" and "Woollen and Worsted Manufactures—contract factories." All 1939 statistics shown below have been retabulated to conform to the 1947 industry classification.

Table 8 shows the combs, looms, and spindles in possession and in place, as of December 31, 1947, in the establishments classified in this group of industries. These figures correspond to the machinery data published monthly in Facts for Industry series M15H, Wool Manufactures. Differences between the totals shown in table 8 and in the Facts for Industry release for December 1947 are attributable to minor variations in the reports of some establishments, and to the fact that the monthly survey includes all establishments with wool machinery, whereas table 8 covers only the establishments classified in the Wool Manufactures group. Moreover, in the monthly series on machinery, estimates were included for establishments that did not report such information; these estimates were too high in a few cases.

Scouring and Combing Plants (*Standard Industrial Classi-*

fication No. 2211.)—This industry comprises establishments primarily engaged in processing textile fibers to prepare them for spinning. Important processes included in this industry are wool scouring, carbonizing and blending of wool, and the manufacture of tops on worsted combs from wool, rayon, or other synthetic fibers.

Some of the establishments included in this industry do not themselves carry on any manufacturing operations, but sell scoured wool or tops and noils which have been produced by others for their account on a contract or commission basis. Such establishments, excluded previously, have been included in the 1947 census in order that complete shipments and material costs figures may be shown for the industry. They are excluded, however, from the detail columns of table 4, and are included only in the totals published in that table. The relationship of employment to value added, as shown in the detail columns of table 4, thus reflects only the experience of establishments which themselves manufacture part or all of the products they sell, and of establishments which scour or comb wool on contract or commission. As a result of the inclusion of nonmanufacturing establishments in the industry, the general statistics shown in table 1 for 1947 are not fully comparable with the data for prior years.

Production of tops and noils in 1947, as shown in table 6, is comparable to the monthly statistics published in Facts for Industry series M15H, Wool Manufactures, beginning in April 1947.

Yarn Mills, Wool Systems, Except Carpet (*Part of Standard Industrial Classification, Yarn Mills, No. 2221.*)—This subindustry, as defined for census purposes, comprises establishments primarily engaged in spinning, twisting, winding, or spooling yarn except carpet and rug yarn, on the woollen or worsted system. Both weaving and knitting yarns, made by the woollen, Bradford, or French system, are included. Establishments primarily engaged in manufacturing wool carpet and rug yarns are classified under "Wool Carpets, Rugs, and Carpet Yarn."

In the main, the establishments classified in this industry are spinning mills. Establishments of two other kinds, however, are also included: Those primarily engaged in winding or spooling yarn which has been spun elsewhere, and those engaged in selling yarn spun by others on contract or commission for their account. In all, 23 establishments other than spinning mills are classified in the industry.

The production totals set forth in table 6 correspond to the monthly statistics published for 1947 in Facts for Industry series M15H, Wool Manufactures. Yarn production for 1947, as shown in table 6, is generally lower than the totals reported in the Wool Manufactures series for 1947. This discrepancy seems to be due chiefly to the overstatement of yarn output in the 1947 monthly releases; the estimated poundages included for establishments which failed to report their monthly production were generally excessive. Some differences between the monthly statistics and the production reported in table 6 are attributable to minor differences in the quantities reported by some establishments for the 1947 monthly series and for the Census of Manufactures.

Woolen and Worsted Fabrics (*Full Standard Industrial Classification title and number: Broad-Woven Fabric Mills, (Woolen and Worsted), 2232.*)—This industry comprises establishments primarily engaged in weaving woolen and worsted fabrics over 12 inches in width. Important products of this industry include woolen and worsted apparel fabrics, household fabrics, and industrial and mechanical fabrics; and woven felts and hair cloth. Establishments primarily engaged in weaving wool carpets and rugs are classified under "Wool Carpets, Rugs, and Carpet Yarn."

The production totals set forth in table 6 correspond to the monthly statistics published for 1947 in Facts for Industry series M15H. Differences in the totals reported in the Facts for Industry series and in the 1947 census are attributable to minor variations in the figures reported by individual establishments and to errors in the estimates included in the Facts for Industry data for establishments which failed to report their output.

Finishing Wool Textiles (*Full Standard Industrial Classification title and number: Dyeing and Finishing Woolen and Worsted Goods, No. 2262.*)—This industry comprises establishments primarily engaged in dyeing and finishing woven woolen

or worsted fabrics, or in dyeing wool, tops, or yarn.

The establishments in this industry fall into two classes: Those primarily engaged in dyeing or finishing on a commission basis materials owned by others; and those primarily engaged in dyeing or finishing their own materials. The "Value of finishing" shown in tables 5 and 6 for plants finishing their own materials is the difference between the value of the materials entering the finishing process and the finished value of such materials.

Most wool yarns and fabrics are dyed or otherwise finished in the spinning or weaving plants in which they have been manufactured. Only a small part of the value of finishing done in such plants is included in the "Value of dyeing and finishing" shown in tables 5 and 6 below. The yarns and fabrics produced in mills which finish their own output are valued in tables 5 and 6 in their finished state, so that the value of the finishing applied to such materials cannot be separately identified. "Value of dyeing and finishing" thus reflects almost exclusively the value of the finishing done by establishments which finish purchased wool materials, and by establishments which finish materials produced in affiliated spinning or weaving mills.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Woolen and worsted fabrics:								
1947	495	132,348	\$338,928	122,432	\$293,962	\$599,534	\$755,675	\$1,355,209
1939 ³	478	n.a.	n.a.	116,660	113,790	222,673	312,937	535,610
1937 ⁴	508	139,817	154,087	132,158	133,698	247,631	449,959	697,690
1935 ⁴	490	144,517	145,524	137,054	126,589	223,462	361,908	585,370
Yarn mills, wool systems, except carpet:								
1947	200	33,178	75,380	31,463	66,443	127,803	209,148	336,956
1939 ³	135	n.a.	n.a.	22,764	19,117	38,465	90,188	128,653
1937 ⁴	112	21,021	20,511	20,052	17,624	28,402	74,897	103,299
1935 ⁴	111	22,961	20,934	22,006	17,972	29,090	66,115	95,205
Scouring and combing plants:								
1947	74	8,726	26,475	7,912	21,202	54,166	149,089	203,255
1939 ³	49	n.a.	n.a.	6,731	6,696	13,015	21,682	34,697
1937 ⁴	31	4,786	5,932	4,504	4,951	8,361	6,489	14,850
1935 ⁴	32	4,472	5,148	4,175	4,382	8,444	5,656	14,100
Finishing wool textiles:								
1947	59	5,802	16,272	5,140	13,048	22,084	6,805	28,889
1939 ³	63	4,511	5,830	3,821	3,945	10,484	(?)	(?)
1937 ⁴	55	n.a.	n.a.	3,455	3,858	11,289	(?)	(?)

n.a.—Not available.
¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
² For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.
³ In 1939, "Woolen and worsted fabrics," "Yarn mills, wool systems, exc. carpet," and "Scouring and combing plants," were not classified as separate industries but were included in the industries formerly designated "Woolen and worsted manufactures—regular factories" and "Woolen and worsted manufactures—contract factories." The figures for 1939 were obtained from a retabulation of the returns for these two industries. In the case of "Scouring and combing plants" however, the figures for 1947 are not entirely comparable with those for earlier years. See text for industry.
⁴ The figures for 1937 and 1935 have been obtained by combining the figures for the former industries "Woolen woven goods including woven felts" and "Worsted woven goods." Prior to 1935 these industries were part of the discontinued classifications "Woolen goods," "Worsted goods," "Haircloth," and "Felt goods, wool, hair, or jute," and separate figures are therefore not available for earlier years.
⁵ The figures for 1937 and 1935 have been obtained by combining the figures for the former industries "Woolen yarn" and "Worsted yarn" which were not shown as separate industries prior to 1935, but were included in the discontinued classifications "Woolen goods" and "Worsted goods."
⁶ The figures for 1937 and 1935 have been obtained by combining the figures for the former industries "Wool scouring" and "Wool combing-commission, and tops for sale."
⁷ The figures for cost of materials and value of products shipped for 1947 are not comparable with those for earlier years.
⁸ The figures for "Finishing wool textiles" for 1935 are not sufficiently comparable with those for later years to be shown in this table because they include data for establishments primarily engaged in winding or balling hand-knitting yarn and exclude data for dyeing and finishing mills of integrated companies engaged in both weaving and finishing at separate plant locations.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Woolen and worsted fabrics, total ¹	495	132,348	\$338,928	122,432	245,468	\$293,962	\$699,534	\$755,075	\$1,355,209	\$39,249
New England.....	264	81,572	208,592	76,074	150,094	185,009	304,887	479,778	844,005	22,873
New Hampshire.....	29	6,220	15,705	5,780	11,391	13,559	20,039	31,290	57,919	3,037
Massachusetts.....	83	39,956	101,985	37,606	74,026	92,013	179,081	249,639	426,210	11,309
Rhode Island.....	67	13,467	35,342	12,557	25,238	31,530	59,027	87,023	140,050	2,147
Connecticut.....	31	7,113	19,409	6,505	13,295	16,710	34,032	43,070	77,111	1,728
Middle Atlantic.....	135	27,935	77,463	25,118	51,380	62,806	135,307	161,557	209,024	7,146
New York.....	52	8,752	23,265	7,744	15,623	18,335	43,748	48,140	91,888	2,531
New Jersey.....	18	10,683	31,989	9,593	20,293	20,123	46,368	50,791	97,150	3,387
Pennsylvania.....	65	8,500	22,209	7,781	15,464	18,408	45,251	62,620	107,877	1,228
North Central.....	37	7,435	17,832	6,893	14,071	15,070	35,973	36,881	72,854	1,923
Ohio.....	9	3,322	8,607	3,207	6,808	7,035	20,248	21,323	41,571	376
Indiana.....	4	668	1,363	601	1,167	1,120	2,703	1,502	4,205	103
Wisconsin.....	9	1,108	2,500	1,036	2,060	2,124	4,151	4,374	8,525	286
South.....	43	13,637	30,439	12,712	26,010	26,387	55,802	70,645	120,447	7,083
North Carolina.....	9	5,150	12,032	4,819	9,965	10,251	21,570	28,340	50,916	1,941
West.....	16	1,769	4,602	1,635	3,313	4,030	7,505	6,814	14,319	224
Yarn mills, wool systems, except carpet, total ¹	200	33,178	75,380	31,463	61,857	66,443	127,808	209,148	336,956	6,613
New England.....	112	22,510	51,450	21,408	41,270	45,816	86,712	144,204	230,076	4,550
Rhode Island.....	42	11,521	27,131	10,975	21,613	24,097	46,939	77,597	124,530	1,704
Middle Atlantic.....	59	7,744	17,795	7,324	15,212	15,456	27,820	46,168	73,097	1,370
New York.....	26	1,890	3,721	1,651	3,314	3,123	7,556	10,702	18,258	410
New Jersey.....	4	1,902	4,481	1,848	3,636	4,009	6,246	10,045	16,291	370
Pennsylvania.....	29	4,042	9,583	3,825	8,362	8,324	14,027	25,421	39,448	581
North Central.....	12	595	1,705	535	1,103	1,210	3,548	4,073	7,021	169
South and West.....	17	2,329	4,430	2,196	4,272	3,901	6,710	14,043	24,393	525
Scouring and combing plants, total ¹	74	8,726	26,475	7,912	17,600	21,202	54,166	149,089	203,255	3,218
New England.....	55	6,783	20,888	6,162	13,928	16,899	40,254	134,976	181,230	2,009
Massachusetts.....	40	4,487	14,405	4,070	9,348	11,440	32,309	90,089	122,398	1,775
Rhode Island.....	12	2,108	6,142	2,004	4,300	5,152	13,341	44,803	58,144	775
Middle Atlantic.....	14	1,750	5,089	1,544	3,234	3,027	6,795	12,805	19,000	389
Pennsylvania.....	9	933	2,833	806	1,728	2,078	3,870	8,053	12,529	301
Other divisions.....	5	193	498	176	438	379	1,117	1,308	2,425	220
Finishing wool textiles, total ¹	59	5,802	16,272	5,140	11,511	13,048	22,084	6,805	28,889	929
New England.....	22	1,784	4,444	1,591	3,245	3,520	6,139	1,596	7,735	352
Rhode Island.....	11	1,250	3,452	1,098	2,208	2,735	4,677	984	6,591	128
Middle Atlantic.....	29	3,525	10,484	3,106	7,311	8,465	13,035	4,550	18,485	500
Pennsylvania.....	17	1,624	4,535	1,486	3,387	3,641	6,272	2,621	8,893	306
Other divisions.....	8	493	1,344	443	955	1,063	2,010	659	2,000	77

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Woolen and worsted fabrics: *New England*, Maine, 40 (11,345); Vermont, 14 (3,471); *North Central*, Illinois, 3 (480); Michigan, 4 (800); Minnesota, 5 (673); Iowa, 2; Missouri, 1; South, Delaware, 1; Maryland, 2; Virginia, 9 (1,650); West Virginia, 4 (1,085); South Carolina, 4 (1,505); Georgia, 5 (2,407); Tennessee, 7 (1,219); Texas, 2; *West*, Colorado, 1; Utah, 2; Washington, 1; Oregon, 8 (1,093); California, 4 (191).

Yarn mills, wool systems, except carpet: *New England*, Maine, 6; New Hampshire, 12 (1,800); Vermont, 1; Massachusetts, 42 (7,814); Connecticut, 9 (824); *North Central*, Ohio, 4 (139); Illinois, 1; Michigan, 2; Wisconsin, 4 (133); Minnesota, 1; *South and West*, Delaware, 1; Maryland, 1; Virginia, 2; West Virginia, 1; North Carolina, 4 (600); South Carolina, 3 (100); Georgia, 1; Kentucky, 1; Colorado, 1; Oregon, 1; California, 1.

Scouring and combing plants: *New England*, New Hampshire, 1; Connecticut, 2; *Middle Atlantic*, New York, 2; New Jersey, 3; *Other divisions*, Illinois, 1; Wisconsin, 1; Texas, 1; Oregon, 1; California, 1.

Finishing wool textiles: *New England*, Massachusetts, 10; Connecticut, 1; *Middle Atlantic*, New York, 9 (490); New Jersey, 3 (1,405); *Other divisions*, Ohio, 1; Illinois, 2; Wisconsin, 2; Virginia, 1; California, 2.

WOOLEN AND WORSTED MANUFACTURES

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947
 (Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS)

ITEM	Industry				ITEM	Industry			
	Woolen and worsted fabrics	Yarn mills, wool systems, except carpet	Scouring and combing plants	Finishing wool textiles		Woolen and worsted fabrics	Yarn mills, wool systems, except carpet	Scouring and combing plants	Finishing wool textiles
ALL ESTABLISHMENTS					ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued				
Number of establishments	495	200	74	59	Cost of materials, fuel, electricity, and contract work	\$755,675	\$208,559	\$149,089	\$6,805
All employees:					Materials, parts, containers, and supplies	699,547	198,324	127,789	4,821
Number (average for the year)	132,348	33,178	8,726	5,802	Fuels, total	15,098	1,685	1,193	1,570
Salaries and wages, total	\$338,928	\$75,380	\$20,475	\$10,272	Bituminous coal	7,320	763	422	976
Production and related workers:					Anthracite	267	139	-----	10
Number (average for the year)	122,432	31,463	7,912	5,140	Coke	21	-----	-----	-----
Man-hours, total	245,468	61,857	17,600	11,511	Fuel oils	7,300	753	760	579
Wages, total	\$293,902	\$66,443	\$21,202	\$13,048	Gas	66	23	11	1
Value added by manufacture	\$599,534	\$127,808	\$54,166	\$22,084	Other fuels	34	7	-----	4
ESTABLISHMENTS REPORTING DETAILED STATISTICS					Purchased electric energy	5,500	2,825	1,158	297
Number of establishments	495	193	74	59	Contract and commission work	35,530	5,725	18,949	117
All employees:					Value of inventories:				
Number (average for the year)	132,348	33,036	8,726	5,802	Beginning of year, total	\$250,807	\$55,089	\$44,136	\$897
Salaries and wages, total	\$338,928	\$75,056	\$20,475	\$10,272	Finished products	34,581	7,628	7,946	66
Production and related workers:					Materials, supplies, and work in process	222,286	47,461	36,190	831
Number (average for the year)	122,432	31,331	7,912	5,140	End of year, total	292,363	55,295	55,610	1,024
Man-hours, total	245,468	61,606	17,600	11,511	Finished products	48,611	8,157	12,093	71
Wages, total	\$293,902	\$66,183	\$21,202	\$13,048	Materials, supplies, and work in process	243,752	47,138	43,607	953
Value added by manufacture	\$599,534	\$127,313	\$54,166	\$22,084	Expenditures for plant and equipment:				
Number of employees for pay period ended nearest Oct. 15:					New plant and equipment	\$30,249	\$6,613	\$3,218	\$929
All employees	133,203	33,573	8,784	5,940	Construction and major alteration of fixed plants	11,831	1,691	1,185	213
Male	80,525	12,634	7,280	4,014	Buildings	11,357	1,582	1,170	190
Female	52,768	20,939	1,504	1,926	Other construction	474	109	16	23
Production and related workers	123,410	31,804	7,953	5,319	Machinery and equipment	27,418	4,922	2,032	716
Male	73,938	11,553	6,724	3,563	Production machinery and equipment	26,057	4,711	1,843	625
Female	49,478	20,311	1,230	1,756	Other machinery and equipment	1,361	211	189	91
Force-account construction workers	233	21	-----	-----	Used plant and equipment, and land	1,664	337	36	7
Administrative, supervisory, sales, and all other	9,644	1,688	821	621	Number of highway-type motor vehicles owned or leased:				
Male	6,355	1,060	558	451	Trucks	514	108	78	56
Female	3,289	628	265	170	By manufacturer's rated capacity:				
All employees, number by month:					Under 1 1/2 tons	83	36	14	11
January	130,925	36,149	9,233	5,867	1 1/2 tons	193	31	21	18
February	138,852	35,860	8,788	5,808	Over 1 1/2 tons and less than 3 1/2 tons	152	24	15	16
March	135,195	35,074	8,771	5,810	3 1/2 tons and less than 5 tons	35	8	7	1
April	130,020	33,215	8,929	5,580	5 tons and over	51	9	21	10
May	126,640	31,212	8,958	5,614	By body type:				
June	127,122	29,687	8,860	5,580	Van	53	5	1	17
July	124,305	28,961	8,048	5,502	Stake or platform	278	50	50	10
August	128,132	30,406	8,115	5,707	Panel or light delivery	69	18	8	23
September	131,932	32,246	8,611	6,858	All other trucks	114	35	19	6
October	133,293	33,573	8,784	5,940	Truck tractors	19	7	14	2
November	134,719	34,601	8,862	5,997	Trailers and semitrailers	27	10	17	4
December	130,900	35,476	8,725	6,051					

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

(Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics)

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Woolen and worsted fabrics:											
Number of establishments	495	35	22	42	60	66	137	82	27	16	8
Number of employees (average for the year)	132,348	85	149	580	2,059	4,754	22,113	20,105	18,152	22,463	32,888
Value added by manufacture	\$599,534	\$1,338	\$768	\$2,674	\$8,913	\$18,111	\$90,362	\$129,306	\$83,847	\$112,922	\$151,503
Yarn mills, wool systems, except carpet:											
Number of establishments	200	13	24	11	30	32	45	29	14	2	-----
Number of employees (average for the year)	33,178	28	162	152	994	2,394	7,751	10,252	<i>11,445</i>	(^d)	-----
Value added by manufacture	\$127,808	\$129	\$774	\$547	\$3,405	8,196	\$30,744	\$37,929	<i>\$46,084</i>	(^d)	-----
Scouring and combing plants: ¹											
Number of establishments	74	1	2	8	10	10	13	5	5	-----	-----
Number of employees (average for the year)	8,726	(^d)	(^d)	132	361	759	2,179	1,769	3,205	-----	-----
Value added by manufacture	\$54,166	(^d)	(^d)	\$829	\$2,149	\$3,047	\$8,280	\$7,063	\$14,913	-----	-----
Finishing wool textiles:											
Number of establishments	59	5	3	6	16	13	12	2	1	1	-----
Number of employees (average for the year)	5,802	(^d)	36	85	491	601	1,743	<i>2,549</i>	(^d)	(^d)	-----
Value added by manufacture	\$22,084	(^d)	\$157	\$329	\$1,982	\$3,748	\$6,919	<i>\$8,949</i>	(^d)	(^d)	-----

NOTE: In the smaller size groups the relationship between value added figures and employment may be affected by the fact that "total employees" excludes working members of the firm. Small errors in reporting may also have distorted the relationship in a few instances.

¹ Totals include 20 establishments, with 321 employees and \$17,285,000 value added by manufacture, which carry on no production operations whatever and sell products fabricated on contract or commission.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

SCOURING AND COMBING PLANTS	Shipped by—			YARN MILLS, WOOL SYSTEMS, EXCEPT CARPET, INDUSTRY	Shipped by—		
	Scouring and combing industry	Other industries	All industries		Yarn mills, wool systems, exc. carpet, industry	Other industries	All industries
Total shipments by the industry	\$203,255			\$336,956			
A. Wool scouring and combing plant products	164,655	\$78,748	\$243,403	A. Yarn spun on wool systems, except carpet	270,145	\$63,931	\$334,076
Scoured wool	8,826	12,585	21,411	Yarns spun on woolen system	25,646	7,041	32,687
Other wool scouring and combing plant products, n. e. c.	155,829	66,163	221,992	Yarns spun on Bradford system	198,671	37,969	236,640
B. Secondary products	4,760			Yarns spun on French system	54,828	18,921	73,749
C. Miscellaneous receipts	33,840			B. Secondary products	29,048		
Contract and commission work	32,317			Wool scouring and combing plant products, n. e. c.	10,870		
For making tops	21,940			Apparel fabrics	4,626		
For scouring raw wool	9,170			Other	5,552		
Other	1,207			C. Miscellaneous receipts	27,863		
Sale of mill waste	1,211			Contract and commission work	23,224		
Nonmanufacturing activities	312			Sale of mill waste	4,164		
				Nonmanufacturing activities	475		

WOOLEN AND WORSTED FABRICS INDUSTRY	Shipped by—			FINISHING WOOL TEXTILES INDUSTRY	Shipped by—		
	Woolen and worsted fabrics industry	Other industries	All industries		Finishing wool textiles industry	Other industries	All industries
Total shipments by the industry	\$1,355,209			\$28,889			
A. Woolen and worsted fabrics	1,189,853	\$48,756	\$1,238,609	A. Value of dyeing and finishing of own woolen and worsted goods	7,913	\$5,218	\$13,131
Apparel fabrics	1,009,539	27,735	1,037,274	B. Secondary products			
Non-apparel fabrics, except felts	152,494	18,668	171,162	C. Receipts for contract and commission work	20,976		
Woven felts	27,820	2,353	30,173	For dyeing raw stock	1,005		
B. Secondary products	130,574			For dyeing wool tops	3,080		
Yarns spun on woolen system	3,054			For dyeing and finishing yarns	8,659		
Yarns spun on Bradford system	21,997			For dyeing and finishing woolen and worsted fabric	6,181		
Yarns spun on French system	18,921			Other	1,061		
Woven cotton fabrics and specialties, n. e. c.	4,398						
Cotton mixtures and blends	3,677						
Value of dyeing and finishing of own woolen and worsted goods	3,906						
J Other wool scouring and combing plant products	45,749						
Other	28,872						
C. Miscellaneous receipts	34,782						
Contract and commission work	27,681						
Sale of mill waste	5,808						
Nonmanufacturing activities	1,293						

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939
[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.			\$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	185,467	95,448	5,068	4,305
Rayon and other synthetic fiber	1,087	582	5,698	225	4,934	800	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	24,897	50,347	13,408	n.a.	n.a.	8,929	4,085
Wool of the sheep	38,103	23,755	47,542	12,724	20,287	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	3,098	502	591		n.a.	n.a.	n.a.	n.a.
Recovered wool grease	24,135	2,842						
2 percent or less free fatty acids	9,908	1,205			n.a.	n.a.	n.a.	n.a.
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	7,886
Weaving, other than carpet and rug	14,514	23,112	310,240	290,622	206,850	4,447	3,819	
Knitting	6,210	9,575	127,949	18,981	31,849	24,403	5,033	3,707
Machine	6,095	9,165	127,846	18,981	31,849	24,403	5,033	3,707
Hand	115	410	103		(2)	(2)	(2)	(2)
Yarns spun on Bradford system	115,014	236,640	189,220	94,129	140,833	81,885	54,165	59,542
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	31,022	34,072
Machine	35,231	67,847	38,514		20,260	1,591	27,473	20,395
Hand	9,804	20,805	9,701		4,717		4,140	4,077

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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 for sale	
							Pounds	Value f.o.b. plant
Yarns spun on French system	30,728	\$73,749	64,528	42,035	47,402	30,896	13,549	\$18,765
Weaving.....	19,556	46,249	53,352	42,035	36,959	30,890	5,492	7,780
Knitting.....	11,172	27,500	11,176	—	8,443	(⁴)	8,057	10,985
Machine.....	9,946	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	\$ 505,767	\$1,236,609	\$ 464,503	\$ 814,753	\$ 515,843	366,201	\$ 567,560	\$476,787
Apparel fabrics, total	438,314	1,037,274	372,263	697,052	448,388	290,045	481,509	385,864
Woolen fabrics.....	221,330	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.....	219,460	444,749	186,567	338,020	214,916			
Men's and boys' clothing.....	87,153	189,409	83,815	134,043	84,368			
Women's and children's clothing.....	131,093	255,598	101,504	201,064	129,252			
All other woolen fabrics.....	1,253	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.....	7,569	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.....	128,710	388,903	115,806	218,513	138,234			
Women's and children's clothing.....	47,640	132,806	35,043	78,020	49,814			
All other worsted fabrics.....	6,554	11,761	8,436	7,995	7,109			
Other apparel fabrics, unclassified.....	28,494	21,307	19,937	38,370	28,188			
Nonapparel fabrics, total	67,463	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	2,193	634	1,001	544			
All other blanketing.....	26,948	59,161	41,068	58,466	28,659			
100 percent wool.....	13,961	36,058	22,655	30,025	14,590			
Wool, reprocessed wool, or roused 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	1,226	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.....	16,807	30,226	15,509	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	(⁴)	30,173	7,061	—	—	6,738	—	15,877
Papermakers'.....	(⁴)	21,219	—	—	—	5,164	—	12,830
All other woven felts.....	(⁴)	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 Manufacturers.
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.

TABLE 7.—MATERIALS CONSUMED

(This information not published for these industries)

TABLE 8.—MACHINERY IN POSSESSION AND IN PLACE, WOOLEN AND WORSTED MANUFACTURES GROUP, DEC. 31, 1947

TYPE	Total	Mule	Ring frame	TYPE	Total	Mule	Ring frame
In possession (regardless of condition):				In place:			
Woolen and worsted looms:				Woolen and worsted looms:			
Pile and jacquard.....	1,893			Pile and jacquard.....	1,814		
All other:				All other:			
Broad.....	32,368			Broad.....	32,224		
Narrow.....	1,187			Narrow.....	1,177		
Spinning spindles:				Spinning spindles:			
Woolen.....	1,166,042	940,656	1,225,386	Woolen.....	1,158,905	937,138	1,221,767
Worsted:				Worsted:			
Bradford.....	1,203,204		1,203,204	Bradford.....	1,191,636		1,191,636
French.....	653,626	510,366	143,260	French.....	642,326	502,866	139,460
Worsted combs.....	2,632			Worsted combs.....	2,511		

¹ A small number of flyer spindles is included, to avoid disclosing figures reported by individual companies.
² Includes 6,700 flyer spindles and 733,716 cap spindles.
³ Includes 6,492 flyer spindles and 725,652 cap spindles.

KNITTING MILLS

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of full-fashioned and seamless hosiery, knit outerwear, knit underwear and nightwear, knit gloves and mittens, knit cloth, and all other knit products. These establishments have been classified in seven industries described separately below.

In this group there are included: (1) "regular" or "inside" factories which purchase fibers or yarn, spin yarn and/or knit fabric, and sell either the knit cloth or the finished products; (2) "contract" or "commission" knitters who process yarns owned by others; and (3) establishments which do no manufacturing but which engage contractors for the manufacture of their products. "Regular" factories submitted reports covering all operations encompassed by the Census of Manufactures. Corresponding information for other than "regular" factories was obtained by combining the reports of the establishments classified as (2) and (3) above. Contract knitters reported receipts from contract work as well as the production workers, hours, and wages involved in the performance of their contracts, while the cost of the principal materials (yarns, fibers, etc.), the quantity and value of shipments, and the cost of contract work were obtained from the reports of the establishments engaging the contractors.

Establishments which cut and sew products from purchased fabrics are not included in this industry group. Such establishments are classified in the major group entitled "Apparel and Other Finished Products Made From Fabrics and Similar Materials." Cut-and-sew plants of multiple-plant corporations are also excluded from these industries inasmuch as no knitting is done on the premises; the knitting mills of such corporations are, of course, included in this group.

The Bureau of the Census collects and publishes current production data for intercensal years in the "Facts for Industry" series on the products of five of the seven industries covered in this report. They are "Facts for Industry" releases M67G, Knit Outerwear; M67C, Knit Underwear and Nightwear; M67D, Gloves and Mittens; and M15K, Knit Cloth for Sale, which includes production and shipments data on knitting mills, not elsewhere classified, as well as knit cloth mills.

Hosiery Mills. General industry figures are shown separately for the two industries described below. Hosiery pro-

duction and shipments are shown in table 6 in summary form only, although a report of products in detail was requested as part of the census. After a review of the figures received and after checking with other available industry figures, however, it was felt that the detailed figures were not sufficiently reliable to justify their inclusion in the census report.

Full-Fashioned Hosiery Mills (*Standard Industrial Classification No. 2251.*)—This industry comprises establishments primarily engaged in knitting, dyeing, or finishing full-fashioned hosiery. Production figures are reported by the mill doing the knitting; shipments data are reported by the establishment owning either the yarn or the greige goods.

Seamless Hosiery Mills (*Standard Industrial Classification No. 2252.*)—This industry comprises establishments primarily engaged in knitting, dyeing, or finishing seamless (circular-knit) hosiery.

Knit Outerwear Mills (*Standard Industrial Classification No. 2253.*)—This industry comprises establishments primarily engaged in knitting outerwear, or in manufacturing outerwear from knit fabric produced in the same establishment. Important products of this industry include sweaters, bathing suits, dresses, and headwear. Establishments primarily engaged in hand knitting outerwear for the trade are included in this industry. Establishments primarily engaged in manufacturing gloves and mittens are classified in Industry 2255, Knit Glove Mills; Group 238, Dress and Semidress and Work Gloves and Mittens (fabric, fabric and leather combined); or Group 315, Dress and Semidress Leather Gloves and Leather Work Gloves and Mittens; and those manufacturing outerwear from purchased knit fabric in Major Group 23, Apparel and Other Finished Products Made From Fabrics and Similar Materials.

Knit Underwear Mills (*Standard Industrial Classification No. 2254.*)—This industry comprises establishments primarily engaged in knitting underwear and nightwear, or in manufacturing underwear and nightwear from knit fabric produced in the same establishment. Establishments primarily engaged in manufacturing underwear and nightwear from purchased knit fabric are classified in Major Group 23, Apparel and Other Finished Products Made From Fabrics and Similar Materials.

Knit Glove Mills (*Standard Industrial Classification No. 2255.*)—This industry comprises establishments primarily engaged in knitting or crocheting gloves and mittens, or in manufacturing gloves and mittens from knit fabric produced in the same establishment. Establishments primarily engaged in manufacturing gloves and mittens from purchased knit fabric are classified in Group 238, Dress and Semidress and Work Gloves and Mittens (fabric, fabric and leather combined).

Knit-Fabric Mills (*Standard Industrial Classification No. 2256.*)—This industry comprises establishments primarily engaged in knitting tubular or flat fabric (including warp-knit mosquito netting) and in dyeing or finishing knit fabric.

Knitting Mills, Not Elsewhere Classified (*Standard Industrial Classification No. 2259.*)—This industry comprises establishments primarily engaged in knitting articles not elsewhere classified, such as knit curtains, washcloths, dishcloths, and towels.

KNITTING MILLS

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TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS
 [Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR.	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Full-fashioned hosiery mills:								
1947	738	70,034	\$178,062	65,148	\$156,320	\$319,369	\$212,150	\$531,519
1939	499	103,902	117,443	97,200	100,775	156,047	121,123	277,170
1937 ³	354	n.a.	n.a.	89,358	98,755	141,006	96,944	237,949
Seamless hosiery mills:								
1947	617	64,808	105,626	61,343	91,858	163,805	162,955	326,760
1939	433	65,353	48,873	61,852	41,862	72,090	66,575	138,665
1937 ³	391	n.a.	n.a.	61,102	37,509	60,632	62,974	123,626
Total for hosiery mills:⁴								
1947	1,355	134,842	283,688	126,491	248,178	483,174	375,105	858,279
1939	932	169,255	166,316	159,052	142,637	229,137	187,698	416,835
1937 ³	745	157,243	151,431	150,460	136,264	201,637	159,918	361,575
1935 ⁴	695	144,399	135,709	138,021	121,377	168,625	146,562	315,187
1933	614	122,671	90,845	117,919	82,959	143,354	120,356	263,710
1931	621	n.a.	n.a.	112,374	95,129	175,158	156,051	331,209
1929	730	136,648	162,193	129,542	140,079	259,834	258,866	528,700
1927	672	119,014	132,201	112,842	114,678	221,249	235,664	456,913
1925	683	110,550	109,088	103,930	93,383	183,420	237,760	421,180
1923 ⁵	721	103,367	93,507	96,957	78,762	156,320	233,953	399,273
Knit outerwear mills:								
1947	1,201	34,700	80,088	30,696	59,876	145,743	185,150	330,893
1939 ⁶	725	n.a.	n.a.	23,437	19,300	46,674	60,496	107,170
1937 ³	669	n.a.	n.a.	26,139	21,554	47,311	59,525	106,836
Knit glove mills:								
1947	46	5,212	9,222	4,955	8,203	14,730	11,879	20,495
1939	20	5,839	4,384	5,574	3,839	7,387	4,999	12,386
1937 ³	16	n.a.	n.a.	4,626	2,923	6,035	4,181	10,216
Total for Knit outerwear and Knit glove mills:⁴								
1947	1,247	39,972	90,210	35,551	68,079	160,473	197,029	357,388
1939	745	n.a.	n.a.	29,011	23,139	54,061	65,495	119,556
1937 ³	684	n.a.	n.a.	30,765	24,482	53,346	63,706	117,032
1935	708	38,908	37,912	35,455	30,170	59,856	71,599	131,455
1933	601	29,328	23,463	26,908	19,574	41,866	50,681	92,547
1931	710	n.a.	n.a.	24,142	24,744	52,603	59,070	111,573
1929	757	32,229	38,866	28,908	28,934	68,872	78,377	147,249
1927	775	27,647	33,481	24,662	26,200	59,168	66,773	125,941
1925	874	31,454	36,332	27,986	27,738	62,760	80,742	143,502
1923 ⁵	1,128	46,496	52,293	41,503	40,824	91,439	117,319	208,758
Knit underwear mills:								
1947	172	40,570	80,520	37,546	67,990	134,399	163,421	295,411
1939 ⁶	184	n.a.	n.a.	37,478	26,093	50,099	69,699	109,798
1937 ³	186	n.a.	n.a.	41,237	29,328	65,812	65,492	121,304
1935	186	37,520	28,018	34,930	23,445	42,125	53,929	96,054
1933	195	38,079	25,569	35,915	22,261	47,269	44,931	92,209
1931	218	n.a.	n.a.	31,951	22,545	44,915	44,038	89,853
1929	261	44,330	40,876	41,487	32,928	69,782	81,060	150,842
1927	285	46,919	46,919	46,227	39,183	81,173	92,250	173,423
1925	298	51,268	47,430	48,328	40,145	75,943	112,627	188,570
1923 ⁵	326	61,815	47,813	48,552	39,932	74,905	107,450	182,355
Knit-fabric mills:								
1947	308	14,158	36,087	12,502	28,051	72,272	128,264	199,649
1939 ⁶	143	n.a.	n.a.	9,548	9,054	21,448	39,363	60,811
Knitting mills, n.e.c.:								
1947	44	976	2,213	872	1,738	4,278	6,309	10,537
1939 ⁶	85	n.a.	n.a.	1,539	1,240	3,285	5,143	8,428
Total for Knit-fabric mills and Knitting mills, n.e.c.:								
1947	352	15,134	38,300	13,374	29,789	76,550	134,673	210,236
1939	228	n.a.	n.a.	11,087	10,294	24,733	44,506	69,239
1937 ³	213	12,615	13,514	11,360	10,558	23,703	44,298	68,091
1935	213	12,517	12,097	11,370	9,486	20,547	43,483	64,030
1933	167	9,600	8,579	8,956	7,246	16,504	33,388	49,892
1931	157	n.a.	n.a.	7,544	7,171	16,415	36,628	53,043
1929	150	9,304	11,626	8,491	8,773	20,543	52,382	72,925
1927	137	7,222	10,131	6,552	8,103	19,769	40,574	60,343
1925	132	7,152	9,630	6,424	7,417	18,190	38,518	56,708
1923 ⁵	148	8,061	11,073	7,232	8,753	20,810	45,931	66,701

n.a.—Not available.
¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "Knit underwear mills," "Knit-fabric mills," and "Knit glove mills" see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.
² For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.
³ "Full-fashioned hosiery mills" and "Seamless hosiery mills" formerly constituted a single industry. "Knit outerwear mills" and "Knit glove mills" also were formerly combined in one industry. The two related industries have in each case been combined in a portion of the table in order that data could be shown for the period 1923-1935.
⁴ The figures for 1935-47 include data for dyes and finishers of hosiery knitted by others, whereas the figures for earlier years do not include such data.
⁵ Prior to 1923, "Hosiery mills," "Knit outerwear mills and knit glove mills," "Knit underwear mills," and "Knit-fabric mills and knitting mills, n.e.c." constituted a single classification, "Knit goods."
⁶ The returns for 1939, but not for 1937, have been retabulated to provide figures comparable with those for 1947. Value added for 1939, before retabulation and therefore on a basis comparable with 1947, was \$45.3 million.
⁷ Data for establishments that cut and stitch products from knit cloth made in separate mills of integrated companies are included in the figures for 1937 and 1939, but not for other years. Value added in 1937, excluding data for such establishments, was \$50.8 million for "Knit outerwear mills and knit glove mills" and \$54.3 million for "Knit underwear mills."
⁸ The figures for 1939, but not for earlier years, have been revised to make them comparable with those for 1947. Value added in 1939, before revision and therefore on a basis comparable with earlier years, was \$51.7 million.
⁹ "Knit-fabric mills" and "Knitting mills, n.e.c." formerly constituted a single industry. The separate industry figures shown for 1947 and 1939 have been combined in order that statistics can be shown for the period 1923-37.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Full-fashioned hosiery mills, total	738	70,034	\$178,062	65,148	125,719	\$156,320	\$319,369	\$212,150	\$531,519	\$38,588
New England	11	1,491	3,850	1,306	2,582	3,103	6,287	9,371	15,658	763
Middle Atlantic	437	29,300	80,636	27,223	53,350	71,109	144,030	87,800	232,820	15,204
New York	19	1,170	2,666	1,033	2,018	2,139	5,814	9,104	14,018	270
New Jersey	69	3,311	9,279	3,106	6,086	8,269	15,101	8,495	23,500	1,079
Pennsylvania	349	24,819	68,691	23,084	45,246	60,701	124,024	70,291	104,315	13,315
East North Central	28	7,175	18,129	6,554	12,409	15,887	30,755	27,100	57,021	2,088
Indiana	3	2,777	7,073	2,518	4,508	6,267	11,470	17,318	28,788	477
Illinois	6	540	1,305	498	962	1,094	2,000	2,340	4,430	163
Michigan	6	595	1,809	548	1,007	1,483	3,483	2,304	6,787	101
Wisconsin	9	3,263	7,942	2,990	6,782	7,043	13,712	8,198	18,910	1,317
West North Central	7	1,057	3,003	872	1,797	2,483	4,045	1,504	5,540	397
South	249	30,571	70,030	28,807	54,807	62,530	131,287	84,889	210,140	19,085
Virginia	23	2,301	6,499	2,608	5,251	5,039	11,940	7,704	19,704	1,873
North Carolina	117	16,481	37,639	15,669	28,390	33,881	71,511	51,230	122,741	9,801
South Carolina	10	969	1,568	575	1,303	1,370	2,510	1,291	3,801	877
Georgia	13	2,257	5,107	2,039	4,016	4,107	8,841	4,843	13,684	1,281
Tennessee	20	4,449	9,781	4,192	8,080	8,578	18,124	11,463	29,887	2,540
Mississippi	5	1,058	2,348	988	2,233	2,169	4,157	2,033	6,190	670
Pacific	6	440	1,614	386	774	1,202	2,086	1,330	3,410	421
California	6	440	1,614	386	774	1,202	2,086	1,330	3,410	421
Seamless hosiery mills, total	617	64,808	105,626	61,343	114,446	91,858	163,805	162,955	326,760	17,122
New England	21	1,647	3,162	1,482	2,961	2,471	4,467	4,051	8,508	573
New Hampshire	9	630	1,179	559	1,030	875	1,936	1,488	3,304	368
Massachusetts	6	387	1,138	629	1,025	910	1,383	1,450	2,833	159
Middle Atlantic	103	8,026	14,599	7,435	14,260	11,014	22,507	21,329	43,836	1,520
New York	16	1,196	2,704	1,084	2,190	2,267	4,262	3,525	7,787	74
New Jersey	8	278	489	255	477	418	787	1,077	1,864	84
Pennsylvania	79	6,552	11,406	6,096	11,593	9,239	17,458	16,727	34,186	1,362
East North Central	24	8,614	7,333	3,338	6,776	5,976	10,173	11,478	21,051	446
Illinois	10	1,424	3,291	1,270	2,829	2,824	4,320	5,902	10,232	231
Wisconsin	9	1,322	2,449	1,236	2,512	1,969	3,333	2,888	6,221	166
West North Central	3	127	224	113	227	181	367	258	615	40
South and West	466	51,394	80,308	48,975	90,322	71,816	126,311	125,839	252,150	14,534
Virginia	9	1,358	2,125	1,289	2,480	1,800	2,092	3,751	6,743	438
North Carolina	294	26,713	43,639	25,509	46,374	38,611	70,030	68,516	138,552	9,781
Georgia	47	8,205	9,739	5,223	11,004	8,094	15,024	12,933	28,877	1,264
Tennessee	77	10,475	15,316	9,960	18,521	13,704	22,722	22,063	44,785	1,533
Alabama	11	1,307	1,763	1,261	2,222	1,572	2,331	2,404	4,795	115
Mississippi	6	1,020	1,299	973	1,853	1,089	2,410	1,589	4,006	39
Knit outerwear mills, total	1,201	34,760	80,988	30,596	58,144	59,876	145,743	185,150	330,893	5,727
New England	56	3,353	7,289	3,022	6,113	5,650	13,111	17,144	30,255	470
Massachusetts	34	2,405	5,497	2,133	4,413	4,101	10,301	15,303	25,894	400
Connecticut	13	248	548	224	480	460	800	455	1,354	21
Middle Atlantic	982	23,569	55,436	20,773	39,035	41,365	102,474	135,032	238,100	3,880
New York	786	14,909	37,239	12,787	24,245	26,789	72,084	102,540	174,024	1,700
New Jersey	76	2,755	6,160	2,606	4,824	5,245	9,974	6,492	10,460	333
Pennsylvania	120	5,905	12,037	5,380	9,966	9,351	20,410	26,000	47,616	1,287
North Central	71	4,110	9,905	3,616	6,907	7,051	16,156	18,071	36,127	1,072
Ohio	22	1,577	4,711	1,363	2,673	3,170	6,030	10,062	16,062	489
Illinois	20	624	1,444	533	968	964	2,222	4,328	4,328	57
Wisconsin	16	1,291	2,641	1,168	2,144	1,910	4,263	4,240	8,503	419
South Atlantic	15	843	1,210	791	1,423	988	1,735	4,070	5,805	131
Virginia	6	389	514	309	585	403	683	1,882	2,505	87
East South Central	6	215	405	203	401	367	424	774	1,108	89
West	71	2,670	6,743	2,191	4,265	4,440	11,843	8,559	20,402	270
California	57	1,096	3,141	929	1,785	1,962	6,909	4,904	11,813	135
Knit underwear mills, total	172	40,579	80,520	37,546	74,111	67,990	134,399	163,421	295,411	6,853
New England	15	3,029	5,339	2,739	5,344	4,811	8,094	9,099	17,313	648
Massachusetts	8	1,506	2,745	1,335	2,513	2,150	4,073	4,110	8,817	130
Middle Atlantic	99	17,632	34,564	16,152	31,875	28,900	62,263	77,189	134,818	2,803
Pennsylvania	66	10,315	20,390	9,344	18,559	16,272	30,358	45,351	80,558	1,081
North Central	24	6,386	13,958	5,798	11,474	11,193	20,677	26,068	46,714	1,139
Michigan	4	1,292	2,719	1,138	2,208	1,969	3,510	3,980	7,352	151
Wisconsin	6	1,632	4,187	1,433	2,901	3,129	6,070	6,149	12,630	300
South and West	34	13,632	26,159	12,857	25,418	23,077	42,475	51,008	93,500	2,503
Virginia	5	777	1,370	733	1,552	1,135	2,084	3,945	5,058	668
North Carolina	8	4,239	8,622	3,988	7,584	7,040	13,604	16,325	30,421	491
Georgia	6	1,590	2,857	1,482	3,064	2,529	6,001	5,377	11,742	307
Alabama	4	1,912	3,435	1,804	3,028	3,138	6,145	9,127	15,094	307

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Knit glove mills, total ¹	46	5,212	\$9,222	4,955	9,303	\$8,203	\$14,730	\$11,879	\$26,495	\$651
Northeast.....	36	4,282	7,777	4,064	7,599	6,889	12,494	10,407	22,787	589
New York.....	31	3,220	5,788	3,078	5,834	5,210	9,750	7,316	10,952	294
Other Divisions.....	10	930	1,445	891	1,704	1,314	2,236	1,472	3,708	62
Knit-fabric mills, total ¹	308	14,158	36,087	12,502	27,005	28,051	72,272	128,264	199,649	12,731
New England.....	39	1,651	4,395	1,454	3,034	3,231	8,905	16,017	24,922	2,048
Massachusetts.....	24	771	2,113	642	1,366	1,467	3,907	8,850	12,757	1,038
Rhode Island.....	10	230	691	162	439	478	1,077	3,585	4,662	190
Middle Atlantic.....	210	6,851	18,051	5,967	13,102	14,241	35,354	58,439	93,759	5,342
New York.....	145	4,080	11,583	3,536	7,568	8,496	20,776	33,070	53,836	2,794
New Jersey.....	26	778	2,353	692	1,765	1,876	5,171	11,925	17,081	253
Pennsylvania.....	39	1,995	5,015	1,739	3,739	3,869	9,407	13,435	22,842	2,295
North Central.....	10	489	1,222	417	902	1,042	1,562	2,748	4,310	58
South and West.....	40	5,167	11,519	4,684	9,067	9,537	26,451	51,060	78,658	5,283
Virginia.....	4	1,097	2,438	967	1,963	1,950	6,147	16,056	22,803	(d)
North Carolina.....	28	1,590	3,188	1,510	3,038	2,781	7,171	13,286	20,467	1,903
Knitting mills, n.o.c., total ¹	44	976	2,213	872	1,768	1,738	4,278	6,309	10,587	93
Northeast.....	33	617	1,614	533	1,122	1,216	2,863	4,014	6,877	79
Other Divisions.....	11	359	599	339	646	522	1,415	2,295	3,710	14

^d Withheld to avoid disclosing figures for individual companies.

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Full-fashioned hosiery mills: *New England*, New Hampshire, 3 (533); Massachusetts, 8 (958); *West North Central*, Minnesota, 3 (489); Iowa, 1; Missouri, 3; *South, Delaware*, 25 (307); Maryland, 17 (630); *West Virginia*, 2; Florida, 3 (61); Kentucky, 3; Alabama, 5 (868); Texas, 6 (441).

Seamless hosiery mills: *New England*, Maine, 1; Vermont, 1; Rhode Island, 2; Connecticut, 2; *East North Central*, Ohio, 2; Indiana, 2; Michigan, 1; *West North Central*, Minnesota, 1; Missouri, 2; *South and West*, Delaware, 1; Maryland, 3 (273); *West Virginia*, 3; South Carolina, 4 (466); Kentucky, 3 (725); Arkansas, 3 (221); Louisiana, 3 (387); Texas, 1; California, 1.

Knit outerwear mills: *New England*, Maine, 2; New Hampshire, 4 (209); Vermont, 1; Rhode Island, 2; *North Central*, Michigan, 5; Minnesota, 7 (389); Missouri, 1; *South Atlantic*, Maryland, 1; North Carolina, 5 (402); South Carolina, 1; Georgia, 2; *East South Central*, Tennessee, 2; Alabama, 4; *West*, Colorado, 1; Utah, 4 (199); Washington, 5; Oregon, 4 (1,304).

Knit underwear mills: *New England*, New Hampshire, 1; Vermont, 3 (724); Rhode Island, 2; Connecticut, 1; *Middle Atlantic*, New York, 31; New Jersey, 2; *North Central*, Ohio, 2; Indiana, 2; Illinois, 2; Minnesota, 8; *South and West*, West Virginia, 1; Tennessee, 7 (4,712); Texas, 1; Utah, 2.

Knit glove mills: *Northeast*, New Hampshire, 2; Pennsylvania, 3; *Other Divisions*, Ohio, 1; Illinois, 2; Wisconsin, 4 (703); Minnesota, 1; Iowa, 1; Tennessee, 1.

Knit-fabric mills: *New England*, Vermont, 2; Connecticut, 3; *North Central*, Indiana, 1; Illinois, 1; Michigan, 2; Wisconsin, 3 (41); Minnesota, 1; Iowa, 1; Missouri, 1; *South and West*, Maryland, 2; South Carolina, 5 (87); Georgia, 2; Tennessee, 3 (724); Alabama, 1; California, 4 (27).

Knitting mills, n.o.c.: *Northeast*, Massachusetts, 1; New York, 22 (360); New Jersey, 3; Pennsylvania, 7 (153); *Other Divisions*, Ohio, 1; Illinois, 1; Michigan, 1; North Carolina, 5 (251); Georgia, 2; California, 1.

CENSUS OF MANUFACTURES: 1947

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry						
	Full-fashioned hosiery mills	Seamless hosiery mills	Knit outerwear mills	Knit underwear mills	Knit glove mills	Knit-fabric mills	Knitting mills, n.o.c.
ALL ESTABLISHMENTS							
Number of establishments.....	728	617	1,201	172	40	308	44
All employees:							
Number (average for the year).....	70,034	64,808	34,760	40,679	5,212	14,158	976
Salaries and wages, total.....	\$178,062	\$105,626	\$80,988	\$80,620	\$9,222	\$30,087	\$2,213
Production and related workers:							
Number (average for the year).....	65,148	61,343	30,690	37,640	4,955	12,502	872
Man-hours, total..... thousands..	125,719	114,446	58,144	74,111	9,303	27,005	1,708
Wages, total.....	\$150,320	\$91,858	\$59,870	\$67,990	\$8,203	\$28,051	\$1,738
Value added by manufacture.....	\$319,369	\$163,805	\$145,743	\$134,309	\$14,730	\$72,272	\$4,278
ESTABLISHMENTS REPORTING DETAILED STATISTICS							
Number of establishments.....	662	540	1,059	172	40	308	44
All employees:							
Number (average for the year).....	69,571	64,100	33,573	40,679	5,212	14,158	976
Salaries and wages, total.....	\$177,090	\$104,818	\$78,680	\$80,620	\$9,222	\$30,087	\$2,213
Production and related workers:							
Number (average for the year).....	64,691	60,662	29,460	37,640	4,955	12,502	872
Man-hours, total..... thousands..	124,810	113,075	56,879	74,111	9,303	27,005	1,708
Wages, total.....	\$155,373	\$91,119	\$57,612	\$67,990	\$8,203	\$28,051	\$1,738
Value added by manufacture.....	\$317,718	\$162,490	\$141,663	\$134,309	\$14,730	\$72,272	\$4,278
Number of employees for pay period ended nearest Oct. 15:							
All employees.....	70,660	65,807	37,794	42,036	5,458	14,450	1,161
Male.....	31,607	19,312	10,702	10,880	1,092	9,098	480
Female.....	39,153	46,495	27,092	32,056	4,366	5,352	681
Production and related workers.....	65,831	62,296	33,450	39,477	5,187	12,791	1,053
Male.....	28,692	17,369	8,848	9,087	987	7,925	413
Female.....	37,239	44,927	25,102	30,408	4,210	4,866	640
Force-account construction workers.....	35	43	45	45	—	114	—
Administrative, supervisory, sales, and all other:							
Male.....	4,794	3,468	4,254	3,114	261	1,373	108
Female.....	2,880	1,900	2,364	1,463	135	1,050	67
Female.....	1,914	1,568	1,900	1,651	120	616	41
All employees, number by month:							
January.....	70,600	65,588	35,955	39,345	5,195	14,071	947
February.....	70,845	66,062	34,927	39,051	5,095	14,719	930
March.....	70,896	66,333	33,860	39,464	5,320	14,631	940
April.....	70,001	64,343	30,755	39,573	5,211	14,075	906
May.....	67,806	61,086	29,112	39,638	5,163	13,488	825
June.....	66,960	59,493	28,310	39,709	5,166	12,740	817
July.....	66,437	59,263	28,989	39,794	4,987	13,143	825
August.....	67,560	61,362	32,169	40,924	5,154	13,700	832
September.....	68,625	63,092	34,682	41,283	5,128	14,031	1,037
October.....	70,660	65,807	37,794	42,036	5,458	14,450	1,161
November.....	71,681	67,424	38,425	43,098	5,363	14,797	1,206
December.....	72,639	68,549	37,819	43,725	5,216	15,187	1,169
Cost of materials, fuel, electricity, and contract work.....	\$211,107	\$161,675	\$180,870	\$169,421	\$11,879	\$128,264	\$9,309
Materials, parts, containers, and supplies.....	175,631	147,269	146,339	154,774	9,551	121,213	9,145
Fuels, total.....	1,968	1,660	631	1,340	110	1,208	12
Bituminous coal.....	1,180	1,320	244	1,030	87	897	2
Anthracite.....	103	96	30	106	8	81	—
Coke.....	3	1	1	—	—	—	—
Fuel oils.....	596	169	—	187	10	326	10
Gas.....	61	40	73	19	5	17	—
Other fuels.....	25	34	42	7	—	6	—
Purchased electric energy.....	2,100	1,137	681	908	63	882	29
Contract and commission work.....	31,568	11,610	32,626	9,908	2,140	4,083	123
Value of inventories:							
Beginning of year, total.....	\$49,978	\$44,786	\$55,584	\$43,240	\$4,088	\$23,773	\$1,044
Finished products.....	11,268	11,721	24,015	10,331	1,369	5,736	472
Materials, supplies, and work in process.....	38,710	33,065	31,569	32,918	2,719	18,038	572
End of year, total.....	47,932	52,438	62,639	53,880	4,708	22,748	1,080
Finished products.....	12,267	17,295	21,637	16,435	1,694	5,971	388
Materials, supplies, and work in process.....	35,665	35,143	31,202	37,445	3,174	16,777	692
Expenditures for plant and equipment:							
New plant and equipment.....	\$38,588	\$17,122	\$5,727	\$6,853	\$651	\$12,731	\$63
Construction and major alteration of fixed plants:							
Buildings.....	7,273	3,485	626	1,280	22	4,255	16
Other construction.....	6,707	3,332	508	1,099	22	3,916	13
Machinery and equipment.....	506	153	59	184	—	340	3
Production machinery and equipment.....	31,315	13,637	5,101	5,573	620	8,476	77
Other machinery and equipment.....	29,793	12,808	4,051	5,068	688	8,220	67
Used plant and equipment, and land.....	1,612	829	450	487	41	250	10
Trucks.....	1,553	482	332	375	20	149	10
Number of highway-type motor vehicles owned or leased:							
Trucks.....	220	292	60	130	0	107	5
By manufacturer's rated capacity:							
Under 1½ tons.....	118	167	34	41	3	33	3
1½ tons.....	61	102	23	52	5	45	2
Over 1½ tons and less than 3½ tons.....	33	16	0	21	—	25	—
3½ tons and less than 5 tons.....	6	4	—	1	—	—	—
5 tons and over.....	2	3	—	18	—	—	—
By body type:							
Van.....	27	16	7	20	1	21	—
Stake or platform.....	40	124	16	45	4	48	1
Panel or light delivery.....	111	111	35	30	3	23	—
All other trucks.....	42	41	8	20	1	15	4
Truck tractors.....	—	—	—	3	—	7	1
Trailers and semitrailers.....	—	—	—	3	—	7	1

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Full-fashioned hosiery mills:											
Number of establishments	738	102	91	126	138	115	103	39	17	6	1
Number of employees (average for the year)	70,034	244	631	1,764	4,367	8,259	16,884	14,571	11,444	11,870	(^d)
Value added by manufacture	\$319,369	\$2,153	\$3,604	\$8,773	\$20,993	\$36,802	\$78,124	\$66,648	\$60,909	\$51,363	(^d)
Seamless hosiery mills:											
Number of establishments	617	44	55	85	141	108	111	57	12	4	
Number of employees (average for the year)	64,808	113	388	1,235	4,590	7,864	17,576	19,210	7,989	5,854	
Value added by manufacture	\$163,805	\$382	\$870	\$2,832	\$10,462	\$19,992	\$42,147	\$49,398	\$20,682	\$17,040	
Knit outerwear mills:											
Number of establishments	1,201	284	228	293	240	106	60	8	1	1	
Number of employees (average for the year)	34,760	612	1,493	4,069	7,486	7,282	9,114	4,704	(^d)	(^d)	
Value added by manufacture	\$145,743	\$4,628	\$8,047	\$18,648	\$31,998	\$26,488	\$35,657	\$20,877	(^d)	(^d)	
Knit underwear mills:											
Number of establishments	172		1	2	29	38	56	27	12	6	1
Number of employees (average for the year)	40,579		(^d)	58	1,045	2,819	8,686	9,551	7,640	10,800	(^d)
Value added by manufacture	\$134,399		(^d)	\$46	\$3,338	\$7,957	\$23,422	\$33,491	\$27,618	\$53,628	(^d)
Knit glove mills:											
Number of establishments	46	6		2	11	16	5	3	3		
Number of employees (average for the year)	5,212	45		(^d)	335	1,093	688	1,059	1,992		
Value added by manufacture	\$14,730	\$138		(^d)	\$778	\$2,426	\$1,732	\$3,321	\$6,335		
Knit-fabric mills:											
Number of establishments	308	86	61	61	46	13	28	7	6		
Number of employees (average for the year)	14,158	108	427	853	1,441	884	4,065	2,449	3,841		
Value added by manufacture	\$72,272	\$1,699	\$3,636	\$5,032	\$8,068	\$6,592	\$18,496	\$11,640	\$17,059		
Knitting mills, n.o.c.:											
Number of establishments	44	13	9	8	8	5	1				
Number of employees (average for the year)	976	27	53	116	242	538	(^d)				
Value added by manufacture	\$4,278	\$124	\$232	\$515	\$928	\$2,479	(^d)				

NOTE: Value added figures in smaller size groups may be distorted in relation to employment by reports of firms which have a large part of their manufacturing work done by others on contract.

¹ Includes 1 establishment with no employees accounting for a small amount of value added.
² Includes 10 establishments with no employees accounting for \$144,000 value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

FULL-FASHIONED HOSE MILLS	Shipped by—			SEAMLESS HOSE MILLS	Shipped by—		
	Full-fashioned hosiery mills	Other industries	All industries		Seamless hosiery mills	Other industries	All industries
Total shipments by the industry	\$531,519		\$474,771	Total shipments by the industry	\$325,760		\$337,879
A. Full-fashioned hosiery	406,014	\$8,757	\$474,771	A. Seamless hosiery	307,269	\$30,610	\$337,879
Women's and misses' full-fashioned hosiery:				Women's and misses' seamless hosiery, except anklets:			
Finished hosiery from own yarn	300,322	7,815	308,137	Finished from own yarn	37,498	7,712	45,210
Finished hosiery from purchased greige goods	81,400	(¹)	81,400	Finished from purchased greige goods	1,025	6,052	7,077
Greige goods	81,326	532	81,858	Sold in the greige	5,536	730	6,265
Men's full-fashioned hose	943	410	1,353	Men's seamless half-hose and sock socks	136,620	11,023	147,643
Full-fashioned hosiery products, not specified by kind	2,314		2,014	Bundle goods	31,897	901	17,398
B. Secondary products	30,472			Other men's socks, n.e.c.	64,305	2,550	15,400
Women's and misses' seamless hosiery, except anklets:				Anklets			68,855
Finished hosiery from own yarn	7,234			Seamless hosiery, sold as greige goods			10,583
Finished hosiery from purchased greige goods	6,052			Children's and infants' hosiery, except anklets	30,389	1,642	17,084
Greige goods	730			Other seamless hosiery			4,364
Men's seamless half-hose and sock socks	11,007			B. Secondary products	11,766		
Anklets	2,560			Women's full-fashioned hosiery:			
Other secondary products	2,899			Finished from own yarn	4,334		
C. Miscellaneous receipts	35,033			Finished from purchased greige goods	(¹)		
Contract and commission work receipts	34,827			Sold in the greige	482		
Contract knitting	14,623			Other secondary products	6,950		
Contract finishing	18,075			C. Miscellaneous receipts	7,725		
Other work on contract	2,129			Contract and commission work receipts	7,591		
Scrap and salable refuse	206			Knitting	6,025		
				Other	1,566		
				Scrap and salable refuse	134		

See footnote at end of table.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947
—Continued

KNIT OUTERWEAR MILLS	Shipped by—			KNIT UNDERWEAR MILLS	Shipped by—		
	Knit outerwear mills	Other industries	All industries		Knit underwear mills	Other industries	All industries
Total shipments by the industry	\$330,893		\$332,622	Total shipments by the industry	\$295,411		
A. Knit outerwear.....	271,518	\$81,104		A. Knit underwear.....	251,657	\$105,570	\$357,227
Sweaters, jackets, jerseys, pullovers, and saques, knitted or from knitted materials.....	163,027	11,538	180,165	Underwear and nightwear made from warp knit fabrics.....	35,267	37,302	72,500
Shirts (outerwear), knitted or from knitted materials.....	42,040	41,316	83,365	Underwear and nightwear made from circular knit silk, rayon, and other synthetic fabrics.....	10,803	38,241	58,104
Bathing suits and trunks, including athletic trunks, knitted or from knitted materials.....	11,181	1,986	13,167	Women's, misses', children's, and infants' circular knit cotton and/or wool underwear and nightwear.....	65,030	15,824	80,854
Other outerwear, knitted or from knitted materials.....	38,233	5,849	44,082	Men's and boys' circular knit cotton and/or wool heavyweight union suits, undershirts, and drawers.....	43,464	2,346	45,810
Knit outerwear, not specified by kind.....	11,428	415	11,843	Other men's and boys' circular knit cotton and/or wool underwear.....	80,138	11,400	97,007
B. Secondary products.....	20,219			Knit underwear, not specified by kind.....	1,055	388	2,343
Women's, misses', children's and infants' circular knit cotton and/or wool underwear and nightwear.....	2,520			B. Secondary products.....	37,874		
Men's and boys' mediumweight and lightweight knit cotton and/or wool underwear.....	2,539			Women's and misses' full-fashioned hosiery.....	1,480		
Circular knit outerwear fabrics for sale, except glove and mitten fabrics.....	2,743			Outerwear shirts, knitted or from knitted materials.....	20,221		
Men's, youths', and boys' shirts (except work shirts) and nightwear from woven fabrics.....	1,128			Warp knit fabrics made for sale.....	2,800		
Men's and boys' jackets, woven fabric bathing suits and trunks, and sport clothing.....	4,164			Circular knit underwear and nightwear fabrics made for sale.....	3,874		
Women's and misses' woven fabric bathing suits and slacks.....	3,408	236.9		Corsets, girdles, roll-ons, and garter belts.....	1,047		
Children's and infants' creepers, rompers, overalls, slacks and woven fabric bathing suits.....	1,183			Other secondary products.....	7,537		
Other secondary products.....	8,528			C. Miscellaneous receipts.....	5,880		
C. Miscellaneous receipts.....	33,153			Contract and commission work.....	3,015		
Contract and commission work.....	31,995			Scrap and salable refuse.....	1,005		
Scrap and salable refuse.....	1,108						
Nonmanufacturing activities.....	55						

KNIT-FABRIC MILLS	Shipped by—			KNIT GLOVE MILLS	Shipped by—		
	Knit-fabric mills	Other industries	All industries		Knit glove mills	Other industries	All industries
Total shipments by the industry	\$199,649		\$197,090	Total shipments by the industry	\$26,405		\$31,482
A. Knit fabrics for sale.....	173,723	\$23,367	\$197,090	A. Knit gloves and mittens.....	23,122	\$38,300	\$61,482
Warp knit fabrics.....	64,207	6,350	70,557	Seamless dress and semidress gloves and mittens.....	8,876	685	9,561
Circular knit underwear and nightwear fabrics.....	34,802	6,725	41,527	Other dress and semidress gloves and mittens, except all-leather.....	14,246	37,075	43,630
Circular knit outerwear fabrics, except glove and mitten fabrics.....	41,464	5,403	46,867	Work gloves, knitted or from knitted materials.....	2,130		8,882
Circular knit glove and mitten fabrics.....	10,245	782	11,037	B. Secondary products.....	1,243		
Other circular knit fabrics, not elsewhere classified.....	22,403	4,003	26,406	C. Miscellaneous receipts.....	1,200		
Knit fabrics for sale, not specified by kind.....	602	94	696	Contract and commission work.....	37		
B. Secondary products.....	12,733			Scrap and salable refuse.....			
C. Miscellaneous receipts.....	13,193						
Contract and commission work.....	12,479						
Scrap and salable refuse.....	714						

KNITTING MILLS, NOT ELSEWHERE CLASSIFIED	Shipped by—		
	Knitting mills, n.e.c.	Other industries	All industries
Total shipments by the industry	\$10,587		\$11,552
A. Other knit products.....	10,280	\$1,203	\$11,552
B. Secondary products.....	203		
C. Miscellaneous receipts.....	35		

¹ A small amount of women's full-fashioned hosiery finished from purchased greige goods in the seamless hosiery industry has been added to "finished from own yarn" to avoid disclosing figures for individual companies.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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	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.....	2 41,363	30,243	11,120	7,737		4,458	47,900
Value.....	(2) 308,137	\$81,858	\$81,409		41,903	37,445	47,900
Women's seamless, except anklets:							
Quantity.....	2 10,803	9,651	1,152	683	11,524	11,042	13,324
Value.....	(2) \$45,210	\$6,265	\$7,077				
Men's full-fashioned half-hose:							
Quantity.....	172				170	179	184
Value.....	\$1,353					(2)	\$787
Men's seamless half-hose and slack socks:							
Quantity.....	40,255				48,785	45,914	43,883
Value.....	\$147,643						\$60,314
Bundle goods:							
Quantity.....	6,060				7,101	6,898	4,077
Value.....	\$17,398						\$4,274
Other men's socks, n. o. 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	3,186	(2)
Value.....	\$9,199						(2)
Children's and infants' (except anklets):							
Quantity.....	7,348				7,677	7,281	11,661
Value.....	\$17,084						\$12,705
Anklets:							
Quantity.....	31,307				31,071	30,759	30,144
Value.....	\$66,855						\$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 saques, 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	(2)	(2)
Boys'.....	1,585	10,391	1,549	1,500	49		
Women's and misses'.....	556	5,740	550	386	164	121	554
Children's and infants'.....	2,732	17,610	2,691	1,847	844		
Sweat shirts, total.....	1,124	11,761	1,175	1,175			
Men's.....	796	8,938	827	827	(2)	494	1,936
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	(2)		
Boys'.....	52	729	52	52			
Women's and misses'.....	144	7,090	141	136	5	814	18,177
Girls'.....	63	1,212	63	63	(2)		
Children's and infants'.....	87	1,148	92	92	(2)		
Other outerwear, knitted or from knitted materials, total.....	1,561	44,082	1,556	1,311	245		
Knit headwear and neckwear, total.....	1,099	10,915	1,088	1,088	(2)	319	924
Men's and boys' headwear.....	403	3,425	403	403	(2)	591	2,636
Women's and misses' headwear.....	56	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.....	604	28,349					
Other men's knit outerwear.....	117						
Other boys' knit outerwear.....	6,696						
Other women's and misses' knit outerwear.....	676						
Other girls' knit outerwear.....						n.a.	18,485
Children's and infants':							
Suits, including pantie suits and combination sets.....	447	6,079	457	405	52		
Cropers and rompers.....	496	5,660	500	398	102		
Bootsies.....	324	1,435	360	84	266		
Other children's and infants' knit outerwear.....		7,082					
Other knit products, total.....	651	1,386	635	635		n.a.	495
Wristlets and anklets.....		3,432				n.a.	n.a.
Other knit products.....		11,843				n.a.	n.a.

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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	7,066	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	(³)	20		
Women's and misses' nightwear, including bed-jackets and lounging pajamas	595	16,279	578	306	272	(⁶)	(⁶)
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	4,610	387	121	266	7 90	7 651
Women's and misses' nightwear, including bed-jackets and lounging pajamas	367	8,524	352	90	262	(⁶)	(⁶)
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	300	1,728
Other garments made from circular knit silk, rayon, and other synthetic fibers, not listed above	33	366	34	(³)	34		
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			
Children's waist suits	255	1,732	262	262	(³)	(⁶)	(⁶)
Women's and misses' vests, panties, stepins, and bloomers—tuckstitch	2,104	10,404	2,081	1,028	153	1,173	2,822
Women's and misses' vests, panties, stepins, and bloomers—other than tuckstitch	2,299	10,555	2,304	1,035	309	(⁷)	(⁷)
Children's vests, panties, and bloomers	3,824	11,972	3,782	2,080	1,702	n.a.	n.a.
Infants' shirts and bands	3,942	13,429	3,970	3,816	154	(⁸)	(⁸)
Infants' panties	2,736	7,203	2,727	1,671	1,056	(⁸)	(⁸)
Adults' and children's nightwear, including lounging pajamas	978	14,386	1,014	887	127	(⁶)	(⁶)
Infants' nightwear	402	3,333	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	2,019			
Men's heavyweight union suits (9 lbs. and over)	1,592	29,874	1,621	1,621	(⁹)		
Boys' heavyweight union suits (6 lbs. and over)	588	6,550	626	626	(⁹)	2,172	14,289
Men's and boys' heavyweight undershirts (7 lbs. and over)	356	5,473	363	363	(⁹)	762	4,325
Heavyweight drawers (7 lbs. and over)	298	3,913	309	309	(⁹)		
Other men's and boys' circular knit cotton and/or wool underwear, total	19,876	97,607	20,237	17,072	2,505		
Men's lightweight (under 9 lbs.) and boys' lightweight (under 6 lbs.) union suits	924	10,692	976	884	92	980	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	8,782	34,298	9,010	7,421	1,589		
Boys' athletic type undershirts	1,270	4,389	1,306	1,038	268	8,867	14,002
Men's and boys' balbriggan undershirts (with sleeves)	1,307	7,165	1,327	1,183	144		
Balbriggan drawers	82	725	94	94		504	1,058
Mediumweight and lightweight drawers, excluding supporter type (under 7 lbs.)	147	1,193	164	164	(⁹)	n.a.	n.a.
Supporter type drawers, including half, knee, and full-length	786	5,843	835	835	(⁹)	n.a.	n.a.
Men's and boys' knit shorts	787	3,796	800	677	123	n.a.	n.a.
Men's briefs	3,427	17,424	3,367	3,367	(⁹)	3,430	7,995
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	25,338	\$125,592	26,559			n.a.	n.a.
Dress and semidress gloves and mittens, total	5,727	53,126	6,966				
Seamless fingered (25% or more wool content)	1,102	9,561	1,130				
Men's and boys'	307	3,105	331			124	660
Women's and misses'							
Seamless fingered (25% or more wool)	423	3,823	432			10 340	1,500
Seamless mittens (25% or more wool)	372	2,633	373			10 328	1,311
Dress and semidress gloves and mittens, woven fabric	103	526	115				
All other dress and semidress gloves and mittens	4,522	43,039	4,715			n.a.	n.a.

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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 leather¹							
—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			12,317	13,168
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				
	<i>M pounds</i>		<i>M pounds</i>			<i>M pounds</i>	
Knit cloth made for sale, total¹²		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	3,643
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	21,282	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			18,392	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	8,089	10,489			7,476	2,049
Elastic girdle blanks and elastic fabrics	3,579	6,154	3,526			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 sock 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 sock socks in 1939.

⁵ Total not available for 1939; quantity produced in 1939 in the knit goods subgroup totaled 1,928,793 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 701,566 dozens valued at \$5,576,173.

⁷ Women's and misses' cotton and wool vests, panties, step-ins, 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 leather combined gloves are produced primarily in the 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 M67D.

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

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of floor coverings of materials other than rubber. These establishments have been classified in three industries described separately below:

Wool Carpets, Rugs, and Carpet Yarn (*Standard Industrial Classification No. 2271.*)—This industry comprises establishments primarily engaged in manufacturing carpets and rugs made wholly or in part of woolen or worsted yarn. The industry also includes establishments primarily engaged in spinning woolen or worsted yarns for use in carpets and rugs. This industry's principal products include carpet yarns and Axminster, Wilton, and velvet carpets and rugs.

The manufacture of wool carpets and rugs was treated in the 1939 Census of Manufactures as a separate industry, distinct from the manufacture of woolen and worsted carpet yarn. Because most wool carpets and rugs are made from yarn spun in the same or affiliated establishments, these two stages in the production of woven wool carpets and rugs have been combined, for purposes of the 1947 census, into a single industry. The 1939 statistics shown below have been retabulated to conform to the present industry classification.

As a result, however, of this combination of carpets and rugs with carpet yarn, the total shipments of the industry and the cost of materials reported by the industry reflect considerable duplication, in that one plant may report the production and sale of carpet yarn while a second plant reports on carpets made from the same yarn. Total material costs and

total shipments of the industry are therefore not shown.

Monthly reports of looms and spindles in place and in operation are published in Facts for Industry Series M15H, Wool Manufactures. The minor differences between the loom totals appearing in this monthly publication and in table 8 below are attributable to small differences in the reports of a few establishments and to the fact that the figures shown in the Facts for Industry series relate to all manufacturers of wool yarns and fabrics while table 8 includes only those establishments classified in this industry.

Carpets and Rugs, Not Elsewhere Classified (*Full Standard Industrial Classification title and number: Carpets, Rugs, and Mats from Fiber (Except Wool), 2273.*)—This industry comprises establishments primarily engaged in manufacturing rugs, carpets, art squares, floor mattings, and door mats and mattings, from fibers other than wool. Materials used include cotton, goat and cattle hair, jute, sisal, rags, twisted paper, grasses, reeds, and coir (cocoa fiber).

Hard-Surface Floor Coverings (*Full Standard Industrial Classification title and number: Linoleum, Asphalted-Felt-Base, and Other Hard-Surface Floor Coverings, Not Elsewhere Classified, 2274.*)—This industry comprises establishments primarily engaged in manufacturing linoleum, cork carpets, asphalted-felt-base, and other hard-surface floor coverings, not elsewhere classified. Establishments primarily engaged in manufacturing rubber floor covering and asphalt floor tile are classified respectively under "Rubber products, not elsewhere classified" and "Asbestos products."

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS
(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR <i>2</i>	Number of establishments <i>3</i>	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, (fuel, electricity, and contract work) ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
Wool carpets, rugs, and carpet yarn:								
1947	95	40,096	\$111,558	35,560	\$92,656	\$217,040		
1939	61	32,458	42,474	28,727	33,643	87,385		
1937 ⁴	71	n.a.	n.a.	33,941	35,745	84,244		
1935 ⁴	71	31,026	34,169	28,809	28,928	61,232		
1933 ⁴	54	22,686	20,863	21,296	18,186	41,393		
1931	61	n.a.	n.a.	22,903	24,109	49,328		
1929	67	35,041	47,374	32,623	40,014	90,204		
1927	65	34,613	47,457	32,829	42,041	81,286		
1925	69	35,802	49,190	33,886	43,383	83,583	(1)	(1)
1923	79	36,910	54,473	36,217	48,528	102,008		
1921	72	24,031	31,859	22,922	28,705	53,793		
1919	75	24,201	28,966	22,933	24,216	56,136		
1914	97	33,029	17,589	31,309	14,716	29,848		
1909 ⁷	139	34,572	17,745	33,307	15,536	31,825		
1904	139	34,244	15,121	33,221	13,724	23,638		
1899	133	29,068	12,003	28,411	11,121	20,303		
Carpets and rugs, n. e. c.:								
1947	182	7,055	14,378	6,444	11,556	30,986	\$24,573	\$55,550
1939	84	3,808	3,039	3,137	2,116	5,391	4,367	9,758
1937 ⁴	84	n.a.	n.a.	2,823	2,098	5,072	4,442	9,514

See footnotes at end of table.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Hard-surface floor coverings:								
1947	19	10,000	\$31,981	8,879	\$27,128	\$83,282	\$93,535	\$174,736
1939	17	8,301	13,505	7,028	10,406	41,506	28,369	69,375
1937	16	8,833	13,051	8,107	11,378	36,270	32,908	69,184
1935	16	6,895	9,350	6,410	8,105	28,456	23,842	52,398
1933	18	5,494	6,220	5,092	5,347	25,492	16,320	41,812
1931	21	n.a.	n.a.	4,841	6,329	25,960	17,017	42,977
1929	21	9,647	15,650	7,839	12,061	47,371	41,768	89,139
1927	19	8,980	14,443	7,806	11,871	41,141	40,402	81,543
1925	17	8,153	11,655	7,336	9,730	42,635	34,697	77,532
1923	16	9,331	13,787	7,943	10,579	41,390	30,417	77,807
1921	19	6,697	10,807	5,693	7,208	22,987	25,635	48,622
1919	21	6,251	8,298	5,414	6,518	22,304	30,369	52,673
1914	18	4,795	3,205	4,428	2,604	6,360	11,252	17,002
1909	19	4,402	2,750	4,225	2,309	2,309	10,145	15,813
1904	16	3,536	2,020	3,355	1,720	3,609	0,779	10,388
1899	18	2,823	1,521	2,718	1,327	2,954	4,853	7,807

n.a.—Not available.
¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "Hard-surface floor coverings," see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.
² Figures for years prior to 1935 do not include cost of contract work.
³ For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.
⁴ Value of products shipped and cost of materials, etc. are omitted for this industry because each of these measures contains extensive duplication. The duplication arises because the products of some establishments are used as materials by other establishments classified in the same industry. (See text on industry and also GENERAL EXPLANATIONS—Duplication in cost of materials and value of products.)
⁵ Figures for 1937 have been revised.
⁶ Data for carpet yarn are included in the figures for 1935-47 and are excluded from the figures for 1899-1933. Value added for 1935, excluding data for carpet yarn and therefore on a basis comparable with earlier years, was \$59,022,081.
⁷ The figures for 1899-1909 include data for jute carpets, whereas the figures for later years do not include data for this product.
⁸ "Carpets and rugs, n. e. c." was formerly classified in "Carpets and rugs, rag," "Carpets and rugs, paper fiber and grass," "Cotton broad woven goods," "Housefurnishings (except curtains, draperies, and bedspreads)," "Jute goods except felt," and "Linen goods." Separate figures are therefore not available for years prior to 1937.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Wool carpets, rugs, and carpet yarns, total¹	95	40,096	\$111,558	35,560	74,203	\$92,656	\$217,046	(?)	(?)	\$11,796
New England	23	5,809	15,708	5,157	11,279	13,301	27,111			664
Middle Atlantic	62	30,579	86,739	27,122	56,421	72,037	168,773			8,609
New York	14	17,020	48,767	14,712	30,532	39,796	85,125			3,855
New Jersey	8	3,071	9,295	2,731	5,761	7,707	23,734			1,369
Pennsylvania	40	10,488	28,677	9,679	20,128	24,534	59,914			3,285
Other divisions	10	3,708	9,111	3,281	6,503	7,318	21,162			2,323
Carpets and rugs, n. e. c., total¹	182	7,055	14,378	6,444	12,827	11,556	30,986	\$24,573	\$55,559	986
Northeast	100	2,047	5,701	2,397	4,690	4,494	14,399	10,759	25,158	348
Massachusetts	16	352	688	325	656	617	1,545	1,038	2,683	16
New Jersey	10	504	1,622	420	802	1,182	5,333	2,540	7,873	141
North Central	24	1,541	3,940	1,416	2,866	3,058	8,128	5,724	13,852	282
South and West	58	2,867	4,731	2,661	5,271	4,004	8,459	8,090	16,549	356
Georgia	20	1,114	1,745	1,029	1,902	1,501	3,123	3,832	6,955	74
Hard-surface floor coverings, total¹	19	10,060	31,981	8,879	20,267	27,128	83,282	\$3,535	174,736	8,708
Northeast	15	8,507	26,457	7,555	17,213	22,761	70,622	80,751	149,119	6,517
New Jersey	8	2,734	8,452	2,516	5,741	7,406	17,418	23,500	39,336	2,890
Other divisions	4	1,553	5,524	1,324	3,054	4,367	12,660	12,784	25,617	2,191

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS—"Disclosure of Data for Individual Companies"), there are shown below the number of establishments and in parentheses, the number of employees for States represented by three or more companies, when possible.
² Value of products shipped and cost of materials, etc. are omitted for this industry because each of these measures contains extensive duplication. The duplication arises because the products of some establishments are used as materials by other establishments classified in the same industry. (See text on industry and also GENERAL EXPLANATIONS—Duplication in cost of materials and value of products.)
Wool carpets, rugs, and carpet yarns: New England, Maine, 3; New Hampshire, 1; Massachusetts, 15 (1,957); Rhode Island, 1; Connecticut, 3 (3,715); Other divisions, Ohio, 1; Illinois, 1; Wisconsin, 2; Minnesota, 1; Virginia, 2; North Carolina, 2; South Carolina, 1.
Carpets and rugs, n. e. c.: Northeast, Maine, 1; New Hampshire, 1; Rhode Island, 6; New York, 20 (329); Pennsylvania, 46 (1,300); North Central, Ohio, 4 (82); Indiana, 2; Illinois, 9 (398); Michigan, 4 (64); Wisconsin, 4 (677); Minnesota, 1; South and West, Delaware, 1; North Carolina, 13 (404); South Carolina, 4 (115); Tennessee, 4 (877); Alabama, 5 (594); Arkansas, 1; Texas, 1; Oregon, 2; California, 7 (125).
Hard-surface floor coverings: Northeast, Maine, 2; Massachusetts, 1; New York, 1; Pennsylvania, 3 (4,943); Other divisions, Ohio, 1; Delaware, 1; California, 2.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry			ITEM	Industry		
	Wool carpets, rugs, and carpet yarn	Carpets and rugs, n. e. c.	Hard- surface floor coverings		Wool carpets, rugs, and carpet yarn	Carpets and rugs, n. e. c.	Hard- surface floor coverings
Number of establishments.....	95	182	19	Cost of materials, fuel, electricity, and contract work.....	(1)	\$24, 573	\$63, 535
All employees:				Materials, parts, containers, and supplies.....	(1)	23, 850	90, 133
Number (average for the year).....	40, 096	7, 055	10, 060	Fuels, total.....	\$3, 405	282	1, 871
Salaries and wages, total.....	\$111, 558	\$14, 378	\$31, 981	Bituminous coal.....	2, 487	158	546
Production and related workers:				Anthracite.....	80	40	573
Number (average for the year).....	35, 560	6, 444	8, 879	Coke.....	1		
Man-hours, total..... thousands.....	74, 203	12, 827	20, 267	Fuel oils.....	812	72	607
Wages, total.....	\$92, 656	\$11, 555	\$27, 128	Gas.....	4	9	140
Value added by manufacture.....	\$217, 046	\$30, 986	\$53, 282	Other fuels.....	12	3	5
Number of employees for pay period ended nearest Oct. 15:				Purchased electric energy.....	1, 100	241	802
All employees.....	41, 894	8, 272	11, 056	Contract and commission work.....	6, 517	197	729
Male.....	28, 359	3, 333	10, 421	Value of inventories:			
Female.....	13, 535	4, 939	635	Beginning of year, total.....	\$84, 574	\$10, 518	\$21, 495
Production and related workers.....	37, 148	7, 611	9, 839	Finished products.....	11, 120	4, 350	4, 788
Male.....	25, 148	2, 954	9, 539	Materials, supplies, and work in process.....	73, 448	6, 168	10, 707
Female.....	12, 000	4, 657	300	End of year, total.....	92, 292	9, 100	29, 340
Force-account construction workers.....				Finished products.....	15, 323	3, 371	7, 175
Administrative, supervisory, sales, and all other.....	4, 746	661	1, 217	Materials, supplies, and work in process.....	70, 969	5, 825	22, 165
Male.....	3, 211	379	882	Expenditures for plant and equipment:			
Female.....	1, 535	282	335	New plant and equipment.....	\$11, 706	\$986	\$8, 708
All employees, number by month:				Construction and major alteration of fixed plants.....	3, 029	314	3, 744
January.....	37, 265	7, 085	9, 451	Buildings.....	2, 879	299	3, 226
February.....	37, 959	6, 822	9, 646	Other construction.....	150	15	618
March.....	38, 651	6, 662	9, 902	Machinery and equipment.....	8, 767	672	4, 964
April.....	39, 147	6, 391	10, 150	Production machinery and equipment.....	7, 063	585	4, 627
May.....	39, 429	6, 030	10, 312	Other machinery and equipment.....	1, 104	87	337
June.....	39, 765	5, 787	8, 476	Used plant and equipment, and land.....	1, 041	19	360
July.....	39, 608	6, 052	8, 160	Number of highway-type motor vehicles owned or leased:			
August.....	40, 290	6, 502	10, 239	Trucks.....	130	54	48
September.....	40, 942	7, 457	10, 907	By manufacturer's rated capacity:			
October.....	41, 894	8, 272	11, 056	Under 1 1/2 tons.....	30	29	4
November.....	42, 437	8, 720	11, 099	1 1/2 tons.....	30	22	0
December.....	43, 421	8, 781	11, 289	Over 1 1/2 tons and less than 3 1/2 tons.....	36	3	21
				3 1/2 tons and less than 5 tons.....	15		4
				5 tons and over.....	10		19
				By body type:			
				Van.....	10	4	3
				Stake or platform.....	45	25	25
				Panel or light delivery.....	44	17	8
				All other trucks.....	25	8	17
				Truck tractors.....	1	3	20
				Trailers and semitrailers.....	2	3	56

¹ Omitted because of duplication between cost of materials and value of products shipped. See text on industry.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A (d) appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of--									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Wool carpets, rugs, and carpet yarn:											
Number of establishments.....	95	(d) 3	4	6	21	19	15	10	8	5	4
Number of employees (average for the year).....	40, 096	(d)	32	90	600	1, 450	2, 553	3, 316	5, 803	7, 425	18, 707
Value added by manufacture.....	\$217, 046	(d)	\$137	\$316	\$3, 034	\$6, 474	\$16, 377	\$20, 608	\$31, 535	\$48, 365	\$90, 070
Carpets and rugs, n. e. c.:											
Number of establishments.....	182	48	36	26	35	18	12	7			
Number of employees (average for the year).....	7, 055	105	238	358	1, 049	1, 217	1, 670	2, 417			
Value added by manufacture.....	\$30, 986	\$427	\$767	\$1, 175	\$4, 155	\$4, 007	\$7, 890	\$11, 695			
Hard-surface floor coverings:											
Number of establishments.....	19		1		2	1	6	3	3	2	1
Number of employees (average for the year).....	10, 090		(d)		(d)	(d)	1, 036	908	8, 056	(d)	(d)
Value added by manufacture.....	\$83, 282		(d)		(d)	(d)	\$7, 742	\$9, 122	\$66, 418	(d)	(d)

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

WOOL CARPETS, RUGS, AND CARPET YARN INDUSTRY	Shipped by—			CARPETS AND RUGS, N. E. C., INDUSTRY	Shipped by—		
	Wool carpets, rugs, and carpet yarn industry	Other industries	All industries		Carpets and rugs, n. e. c., industry	Other industries	All industries
Total shipments by the industry ¹	(1)	(1)	(1)	Total shipments by the industry	\$55,559	\$7,152	\$62,810
A. Wool carpets, rugs, and carpet yarn.....	(1)	(1)	(1)	A. Carpets and rugs, n. e. c.....	45,649		
Wool carpets and rugs.....	\$352,505	\$10,475	\$363,070	B. Secondary products.....	8,770		
Carpet and rug weaving yarns, wool.....	50,223	786	51,009	C. Miscellaneous receipts.....	1,140		
B. Secondary products.....	11,874			Contract and commission work.....	1,018		
C. Miscellaneous receipts.....	7,154			Other.....	122		
Contract and commission work.....	5,288						
For making rug yarn.....	3,480						
All other.....	1,808						
Scrap and salable refuse.....	1,624						
Nonmanufacturing activities.....	242						

HARD-SURFACE FLOOR COVERINGS INDUSTRY	Shipped by—		
	Hard-surface floor coverings industry	Other industries	All industries
Total shipments by the industry	\$174,736		
A. Hard-surface floor coverings.....	161,098		\$161,098
Linoleum.....	87,646		87,646
Asphalted-felt-base floor and wall coverings.....	93,452		93,452
B. Secondary products.....	10,233		
C. Miscellaneous receipts.....	3,405		
Contract and commission work.....	3,243		
Scrap and salable refuse.....	162		

¹ Value of products shipped is omitted for this industry because it contains extensive duplication. The duplication arises because the products of some establishments are used as materials by other establishments classified in the same industry. (See text on industry and also GENERAL EXPLANATIONS—Duplication in cost of materials and value of products.)

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[All figures in thousands]

PRODUCT	1947				1939			
	Net shipments and interplant transfers		Production		Production			Made for own use (pounds)
	Pounds	Value f.o.b. plant	Total (pounds)	Made for own use (pounds)	Total (pounds)	Made for sale		
					Pounds	Value		
Carpet and rug weaving yarns, total	59,873	\$51,009	178,694	121,219	107,508	n.a.	n.a.	n.a.
Spun on woolen system.....	57,269	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	38,344	29,090	59,922	31,073
Wilton.....	14,258	95,285	14,340	7,980	30,509	8,506
Plain velvet.....	16,713	76,386	17,182	12,680	37,224	12,725
Printed velvet, chenille, and other.....	7,166	32,333	7,921	6,214	14,646	6,087
Automobile and aircraft floor covering.....	8,605	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.

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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			\$13,780
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 ¹	23,803	27,480	24,407	n.a.	n.a.
Asphalted-felt-base floor and wall covering, total		93,452		n.a.	n.a.
Piece goods, 12/4 yard and wider.....	47,374	18,021	47,187	26,662	5,948
Piece goods, 8/4 yard and narrower, including wall covering.....	89,027	33,571	90,492	56,088	12,472
Rugs and mats.....	99,052	34,639	98,349	83,817	10,466
Other asphalted-felt-base floor and wall covering ²		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.

TABLE 7.—MATERIALS CONSUMED: 1947

[Data not published for these industries]

TABLE 8.—CARPET AND RUG LOOMS IN POSSESSION AND IN PLACE, DECEMBER 31, 1947¹

TYPE OF LOOM	Total	Looms by size							
		3/4	4/4	6/4	8/4, 10/4, and 11/4	12/4	14/4 and 16/4	20/4	24/4
In possession:									
Axminster.....	2,264	906	206	33	123	781	203	² 12	(?)
Jacquard.....	1,513	874	163	13	25	209	129	35	5
Velvet.....	1,783	822	249	22	34	437	150	56	13
Other.....	559	92	173	27	97	90	47	23	10
In place:									
Axminster.....	2,019	800	158	28	94	734	104	² 11	(?)
Jacquard.....	1,403	820	128	9	18	202	126	35	5
Velvet.....	1,657	779	239	16	26	302	142	62	11
Other.....	528	88	151	27	95	90	44	23	10

¹ Excludes looms in establishments classified in industries other than the Wool Carpets, Rugs, and Carpet Yarn Industry.² 24/4 looms combined with 20/4, to prevent disclosure of figures for individual companies.

HATS (EXCEPT CLOTH AND MILLINERY)

This report shows the 1947 Census of Manufactures statistics for establishments engaged primarily in the production of fur-felt, wool-felt, and straw hats and hatters' fur. Millinery and cloth hats are not included. These establishments have been classified in the four industries described below. The following generalizations apply to all of these industries:

Manufacturer-Finishing Operations.—Within these industries, there are two major types of plants. The first is the manufacturer of hat bodies sold either as such or finished and sold, and the second type is the one in which the purchased hat body is finished into a completed hat. In the tables, figures for these manufacturing and finishing establishments have been combined.

Value Added by Manufacture.—Starting with the 1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Products" as one of the elements of "Cost of Materials" in determining "Value Added" (for a definition of this term see General Explanations). In the 1935 Census of Manufactures, "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Combined Costs of Materials"; prior to that "Cost of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

Fur-Felt Hats and Hat Bodies (Standard Industrial Classification No. 2281.)—This industry comprises establishments primarily engaged in manufacturing fur-felt hat bodies from hatters' fur, in manufacturing finished fur-felt hats from hat bodies produced in the same establishment and in manufacturing men's and boys' finished fur-felt hats from purchased hat bodies. Establishments primarily engaged in manufacturing millinery from purchased fur-felt hat bodies are classified in the "Millinery" industry, 2351.

Wool-Felt Hats and Hat Bodies (Standard Industrial Classification No. 2282.)—This industry comprises establishments primarily engaged in manufacturing wool-felt hat bodies from raw wool and wool waste, in manufacturing wool-felt hats from hat bodies produced in the same establishment, and in manufacturing men's and boys' finished wool-felt hats from purchased hat bodies. Establishments primarily engaged in manufacturing millinery from purchased wool-felt hat bodies are classified in the "Millinery" industry, 2351.

Straw Hats (Standard Industrial Classification No. 2283.)—This industry comprises establishments primarily engaged in manufacturing straw hat bodies, in manufacturing finished straw hats from hat bodies produced in the same establishment, and in manufacturing men's and boys' finished straw hats from purchased hat bodies. Establishments primarily engaged in manufacturing millinery from purchased straw hat bodies are classified in the "Millinery" industry, 2351.

Hatters' Fur (Standard Industrial Classification No. 2284.)—This industry comprises establishments primarily engaged in producing hatters' fur for use as material in manufacturing fur-felt hat bodies.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year) ³	Salaries and wages, total ⁴	Number (average for the year) ⁵	Wages, total ⁶			
Fur-felt hats and hat bodies:								
1947	136	13,034	\$36,433	11,495	\$28,554	\$61,474	\$69,649	\$131,123
1939	158	16,418	20,747	14,515	16,104	31,391	32,188	63,579
1937	140	16,946	20,165	15,926	17,705	32,042	34,732	66,774
1935	152	15,924	19,424	14,660	16,454	28,262	27,645	55,907
1933	117	13,373	13,444	12,540	11,935	21,462	19,138	40,600
1931	138	n.a.	n.a.	14,084	16,538	30,107	29,509	59,616
1929	159	18,200	23,180	16,539	22,503	46,706	55,298	102,004
1927	139	17,428	27,423	15,896	22,855	48,132	51,053	99,185
1925	146	16,669	24,403	15,156	20,466	39,942	40,124	80,066
1923	163	18,473	25,954	16,722	21,731	40,806	34,445	75,253
1921	154	15,152	19,118	13,880	15,882	26,362	26,252	52,614
1919	176	20,170	24,274	18,510	19,643	42,587	40,158	82,745
1914	224	22,769	14,000	21,318	12,071	20,403	16,947	37,350
1909	273	26,827	16,320	25,064	14,223	25,766	22,109	47,865
1904	216	23,414	12,770	22,047	11,282	20,654	15,975	36,629
1899	171	19,606	10,063	18,880	9,119	14,297	13,514	27,811

See footnotes at end of table.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Wool-felt hats and hat bodies:								
1947 ³	49	4,467	\$9,394	3,067	\$7,564	\$13,038	\$12,430	\$20,308
1939	22	4,934	5,103	4,572	4,358	8,161	8,831	16,092
1937 ⁴	14	4,270	4,163	4,038	3,714	6,026	8,517	15,473
1935	12	3,131	3,144	3,005	2,896	5,818	5,367	11,185
1933	9	1,675	1,369	1,631	1,264	2,531	1,838	4,300
1931	9	n.a.	n.a.	1,543	1,390	3,149	2,283	5,432
1929	14	2,197	2,711	2,028	2,315	4,378	4,678	9,066
1927	12	2,205	2,449	2,113	2,190	4,317	4,490	8,807
1925	22	2,028	2,398	1,854	1,986	3,826	5,123	8,949
1923	21	2,171	2,375	1,950	2,005	4,186	4,457	8,643
1921	26	1,530	1,556	1,428	1,348	2,510	2,454	4,004
1919	40	1,605	1,746	1,448	1,388	3,040	3,700	6,740
1914	30	1,334	747	1,249	600	966	978	1,044
1909	31	2,091	1,113	1,086	988	1,010	2,472	4,382
1904	17	1,571	713	1,503	619	1,087	1,370	2,457
1899	24	2,165	1,005	2,108	938	1,550	2,042	3,592
Straw hats:								
1947	40	2,438	5,387	2,057	4,113	8,610	9,640	18,250
1939	37	3,239	3,345	2,659	2,231	4,909	4,821	9,730
1937	47	3,366	3,444	3,024	2,092	6,484	7,138	13,022
1935	50	3,249	3,414	2,918	2,644	4,808	7,471	12,360
1933	46	3,376	2,365	3,147	2,056	4,730	5,217	9,947
1931	50	n.a.	n.a.	2,823	2,784	6,630	7,253	13,892
1929	50	3,780	5,056	3,380	3,688	10,034	8,705	18,739
1927 ⁵	48	3,761	5,622	3,263	4,232	9,935	11,783	21,718
Hatters' fur:								
1947	46	1,489	3,945	1,345	3,131	8,018	15,805	23,823
1939	37	2,082	2,145	1,893	1,679	3,701	7,255	10,959
1937 ⁶	28	n.a.	n.a.	1,705	1,617	3,700	7,373	11,073

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.² For all years except 1929, value of products made; for 1929, value of products shipped. See GENERAL EXPLANATIONS—Value of products shipped.³ Includes 9 establishments primarily engaged in manufacturing fur-felt hats, girls cotton hats, children's caps, beanies, etc. These establishments reported 103 employees (average for the year); \$501,000 wages and salaries; 187 production and related workers (average for the year); \$463,000 wages; \$618,000 value added by manufacture; \$401,000 cost of materials, etc.; and \$1,019,000 of shipments.⁴ Data for finishing of men's wool-felt hats are included in the figures for "Fur-felt hats and hat bodies" for 1899-1937 and in the figures for "Wool-felt hats and hat bodies" for 1939 and 1947.⁵ The figures for "Straw hats" for prior years are not sufficiently comparable to be shown in this table because they include data for women's and children's straw hats.⁶ "Hatters' fur" was not shown as a separate industry prior to 1937, but was included with the industry formerly designated "Hat and cap materials, men's."

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Fur-felt hats and hat bodies, total¹	136	13,034	\$36,433	11,495	21,322	\$28,554	\$61,474	\$69,649	\$131,123	\$2,211
New England	31	5,751	17,460	5,106	9,598	14,155	31,087	30,561	62,238	1,144
Middle Atlantic	79	5,868	15,753	5,115	9,470	12,107	23,079	30,140	54,110	892
New York	54	1,515	4,310	1,329	2,392	3,360	7,071	12,008	10,077	307
New Jersey	15	677	1,673	623	1,090	1,302	2,008	3,491	6,090	77
Pennsylvania	10	3,676	9,770	3,163	5,988	7,446	14,300	14,043	28,943	448
North Central	11	635	1,297	584	1,104	1,034	2,184	4,033	6,817	80
Missouri	5	295	479	282	526	420	643	2,179	2,822	17
South and West	15	780	1,923	600	1,150	1,198	3,024	4,325	7,940	95
Wool-felt hats and hat bodies, total^{1,2}	49	4,467	9,394	3,967	7,287	7,564	13,938	12,430	26,368	721
Northeast ²	40	3,859	8,475	3,452	6,288	6,784	12,490	11,004	23,530	618
New York ²	28	761	1,905	705	1,303	1,604	2,683	2,208	4,881	30
Other Divisions	9	578	919	615	999	780	1,472	1,360	2,838	103
Straw hats, total¹	40	2,438	5,387	2,057	4,156	4,113	8,610	9,640	18,250	151
Northeast	29	734	2,156	614	1,203	1,087	3,593	2,789	6,382	85
New Jersey	4	182	635	130	208	384	970	404	1,374	0
Other Divisions	11	1,704	3,231	1,443	2,953	2,420	5,017	6,851	11,808	66
Hatters' fur, total¹	46	1,489	3,945	1,345	2,728	3,131	8,018	15,805	23,823	363
New England	33	828	2,004	756	1,547	1,748	4,332	5,322	9,054	234
Connecticut	33	828	2,004	756	1,547	1,748	4,332	5,322	9,054	234
Middle Atlantic	13	661	1,881	589	1,181	1,383	3,086	10,453	14,169	129

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by these or more companies, when possible.² Fur-felt hats and hat bodies: New England, Massachusetts, 5 (231); Connecticut, 26 (5,520); North Central, Ohio, 2; Indiana, 1; Illinois, 2; Minnesota, 1; South and West, Maryland, 2; Virginia, 1; Kentucky, 1; Tennessee, 1; Louisiana, 1; Texas, 4 (378); Washington, 1; California, 4 (140).³ Wool-felt hats and hat bodies: Northeast, Massachusetts, 4 (1,673); Connecticut, 1; New Jersey, 3; Pennsylvania, 4 (1,210); Other Divisions, Illinois, 2; Maryland, 1; Georgia, 2; Tennessee, 1; Alabama, 1; California, 2.⁴ Straw hats: Northeast, Massachusetts, 3; New York, 21 (467); Pennsylvania, 1; Other Divisions, Illinois, 3; Missouri, 4 (702); Maryland, 1; Texas, 3 (148).⁵ Hatters' fur: Middle Atlantic, New York, 5 (250); New Jersey, 8 (411).⁶ Includes 9 establishments primarily engaged in manufacturing fur-felt hats, girls cotton hats, children's caps, beanies, etc. These establishments reported 103 employees (average for the year); \$501,000 wages and salaries; 187 production and related workers (average for the year); \$463,000 wages; \$618,000 value added by manufacture; \$401,000 cost of materials, etc.; and \$1,019,000 of shipments.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry				ITEM	Industry			
	Fur-felt hats and hat bodies	Wool-felt hats and hat bodies	Straw hats	Hatters' fur		Fur-felt hats and hat bodies	Wool-felt hats and hat bodies	Straw hats	Hatters' fur
Number of establishments	136	49	40	46	Cost of materials, fuel, electricity, and contract work—Continued				
All employees:					Purchased electric energy	\$339	\$144	\$53	\$86
Number (average for the year)	13,034	4,467	2,438	1,489	Contract and commission work	465	226	128	199
Salaries and wages, total	\$36,433	\$9,394	\$5,387	\$3,945	Value of inventories:				
Production and related workers:					Beginning of year, total	\$17,785	\$6,671	\$6,604	\$4,530
Number (average for the year)	11,495	3,967	2,057	1,345	Finished products	2,228	993	2,515	1,097
Man-hours, total, thousands	21,322	7,287	4,156	2,728	Materials, supplies, and work in process	15,557	5,678	4,089	3,433
Wages, total	\$28,554	\$7,564	\$4,113	\$3,131	End of year, total	16,763	5,553	4,876	5,547
Value added by manufacture	\$61,474	\$13,938	\$8,610	\$8,018	Finished products	2,816	1,455	2,113	1,539
Number of employees for pay period ended nearest Oct. 15:					Materials, supplies, and work in process	13,947	4,098	2,763	4,008
All employees:	13,296	4,548	1,892	1,527	Expenditures for plant and equipment:				
Male	9,137	2,807	1,015	974	New plant and equipment	\$2,211	\$721	\$151	\$363
Female	4,159	1,741	877	553	Construction and major alteration of fixed plants	791	99	25	135
Production and related workers	11,666	4,036	1,528	1,375	Buildings	777	99	24	83
Male	8,171	2,461	754	871	Other construction	14	1	1	52
Female	3,495	1,575	774	504	Machinery and equipment	1,420	622	126	228
Force-account construction workers					Production machinery and equipment	1,272	587	110	191
Administrative, supervisory, sales, and all other	1,630	512	364	152	Other machinery and equipment	148	35	16	37
Male	960	346	261	103	Used plant and equipment, and land	47			20
Female	664	166	103	49	Number of highway-type motor vehicles owned or leased:				
All employees, number by month:					Trucks	23	18	10	24
January	13,849	4,922	3,204	1,604	By manufacturer's rated capacity:				
February	13,837	4,900	3,329	1,570	Under 1 1/2 tons	12	4		8
March	13,658	4,096	3,419	1,465	1 1/2 tons	6	12	5	6
April	11,939	4,266	3,072	1,377	Over 1 1/2 tons and less than 3 1/2 tons	2	2	4	6
May	12,318	3,969	2,562	1,357	3 1/2 tons and less than 5 tons	2			4
June	12,707	4,250	2,247	1,449	5 tons and over	1		1	
July	12,742	4,337	1,816	1,458	By body type:				
August	13,059	4,765	1,999	1,492	Van	4	2	2	1
September	12,903	4,564	1,430	1,492	Stake or platform	5	10	1	12
October	13,290	4,548	1,892	1,527	Panel or light delivery	11	4	7	9
November	12,841	4,216	2,177	1,505	All other trucks	3	2		2
December	13,132	4,076	2,379	1,584	Truck tractors	2	1	1	
Cost of materials, fuel, electricity, and contract work	\$69,640	\$12,430	\$9,640	\$15,805	Trailers and semitrailers	2	1	1	
Materials, parts, containers, and supplies	67,935	11,785	9,381	15,329					
Fuels, total	910	275	78	194					
Bituminous coal	224	150	29	92					
Anthracite	17	52		1					
Coke				75					
Fuel oils	626	63	47	13					
Gas	27	6	2	3					
Other fuels	16	4							

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Fur-felt hats and hat bodies:											
Number of establishments	136	15	15	18	37	31	12	4	1	2	1
Number of employees (average for the year)	13,034	41	106	251	1,190	2,217	1,737	7,492	(^d)	(^d)	(^d)
Value added by manufacture	\$61,474	\$216	\$480	\$1,274	\$4,783	\$10,559	\$9,089	\$55,073	(^d)	(^d)	(^d)
Wool-felt hats and hat bodies:											
Number of establishments	49	10	13	4	8	4	4	3	3		
Number of employees (average for the year)	4,467	27	95	48	239	281	653	1,141	1,983		
Value added by manufacture	\$13,938	\$149	\$407	\$240	\$833	\$740	\$1,606	\$3,268	\$6,635		
Straw hats:											
Number of establishments	40	4	5	11	8	7	3		2		
Number of employees (average for the year)	2,438	7	27	147	257	439	1,591		(^d)		
Value added by manufacture	\$8,610	\$47	\$162	\$785	\$1,249	\$1,843	\$4,524		(^d)		
Hatters' fur:											
Number of establishments	46	8	8	9	11	7	3				
Number of employees (average for the year)	1,489	20	51	121	379	918	(^d)				
Value added by manufacture	\$8,018	\$103	\$219	\$571	\$1,855	\$5,270	(^d)				

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

FUR-FELT HATS AND HAT BODIES INDUSTRY	Shipped by—			WOOL-FELT HATS AND HAT BODIES INDUSTRY	Shipped by—		
	Fur-felt hats and hat bodies industry	Other industries	All industries		Wool-felt hats and hat bodies industry	Other industries	All industries
Total shipments by the industry	\$131,123			Total shipments by the industry	\$26,368		
A. Fur-felt hats and hat bodies.....	120,841	\$4,267	\$125,098	A. Wool-felt hats and hat bodies.....	20,137	\$655	\$20,792
B. Secondary products.....	7,876			B. Secondary products (including contract and commission receipts).....	6,231		
Straw hats.....	4,820						
Other secondary products.....	3,056						
C. Miscellaneous receipts.....	2,406						
Contract and commission work.....	1,902						
Other.....	504						

HATTERS' FUR INDUSTRY	Shipped by—			STRAW HATS INDUSTRY	Shipped by—		
	Hatters' fur industry	Other industries	All industries		Straw hats industry	Other industries	All industries
Total shipments by the industry	\$23,823			Total shipments by the industry	\$18,260		
A. Hatters' fur.....	23,823	(d)	\$22,243	A. Straw hats.....	14,362	\$5,008	\$19,430
B. Secondary products.....	(d)			B. Secondary products.....	2,808		
C. Miscellaneous receipts.....	(d)			C. Miscellaneous receipts.....	900		
				Contract and commission work.....	901		
				Other.....	29		

^d Withheld to avoid disclosing figures for individual companies.

¹ Includes over \$2 million in receipts for contract and commission work.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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	\$85,973				
Fur-felt hat bodies in the rough, made for sale as such:								
Men's and boys'.....	1,036	25,006			1,095	\$0,460		
Women's and children's.....	487	9,149			992	8,200		
Fur-felt finished hats:								
Men's and boys'.....	866	53,096	718	35,073	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	976		
Women's and children's.....	2,423	11,920			2,821	9,062		
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.....								
Woven body.....	259	5,267	271	5,344	340	3,728	192	1,470
Women's and children's:								
Sewed braid.....			131	0,274			284	3,200
Harvest hats.....	23	823	11	131	(4)	(4)		
			332	1,591			900	1,936

PRODUCT	1947		1939		PRODUCT	1947		1939	
	Total production		Total production			Total production		Total production	
	Quantity (M doz.)	Value	Quantity (M doz.)	Value		Quantity (M doz.)	Value	Quantity (M doz.)	Value
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.....		\$11,670		\$4,505
Men's and boys' cloth hats.....	481	4,770	245	9,905					
Men's and boys' caps.....	2,531	17,544	3,569	n.a.					
Other men's and boys' cloth hats and caps.....		14,453			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

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of miscellaneous textile goods, including certain felt goods, lace goods, paddings, processed waste, artificial leather and oilcloth, linen and jute goods, cordage and twine, and textile goods, not elsewhere classified. These establishments have been classified in ten industries and subindustries described separately below.

Felt Goods, Not Elsewhere Classified (*Full Standard Industrial Classification title and number: Felt Goods (Except Woven Felts and Hats), 2291.*)—This industry comprises establishments primarily engaged in manufacturing insulating and automotive felts, under-rug mats, and other felt goods, from wool, hair, and jute, by means of heat, moisture, and pressure, or by the needle-loom process. Establishments primarily engaged in manufacturing woven felts and haircloth are classified under "Broad Woven Fabric Mills (Woolen and Worsted)," and those manufacturing felt hats in the group "Hats (Except Cloth and Millinery)."

Lace Goods (*Standard Industrial Classification No. 2292.*)—This industry comprises establishments primarily engaged in manufacturing lace-machine products such as levers laces, bobbinet, Nottingham laces (curtain nets, curtains, bedspreads, table covers), and Barmen laces. This industry also includes establishments primarily engaged in dyeing and finishing lace goods. Establishments primarily engaged in manufacturing machine embroideries are classified under "Schiffli-machine Embroideries" or "Embroideries, except Schiffli-machine."

Paddings and Upholstery Filling (*Standard Industrial Classification No. 2293.*)—This industry comprises establishments primarily engaged in manufacturing batting, padding, wadding, and upholstery filling from curled hair, cotton, moss, hemp tow, flax tow, kapok, and related materials. Establishments primarily engaged in manufacturing excelsior pads and wrappers are classified under "Excelsior mills."

Processed Textile Waste (*Full Standard Industrial Classification title and number: Processed Waste and Recovered Fibers, 2294.*)—This industry comprises establishments primarily engaged in processing textile-mill waste for spinning and other uses, and in recovering cotton, wool, rayon, silk, and other fibers from clippings and rags. Establishments primarily engaged in manufacturing oakum are also included in this industry. Establishments producing wiping rags only are not considered manufacturing plants, and are excluded.

Coated Fabrics, Except Rubberized (*Full Standard Industrial Classification title and number: Artificial Leather, Oilcloth, and Other Impregnated and Coated Fabrics (Except Rubberized), 2295.*)—This industry comprises establishments primarily engaged in manufacturing artificial leather, oilcloth, and other coated and impregnated fabrics, and in the special finishing of textiles such as the waxing of cloth and the varnishing of cambric and buckram. Establishments primarily engaged in manufacturing rubberized fabrics are classified under "Rubber Industries, Not Elsewhere Classified."

Jute (Except Felt), and Linen Goods (*Full Standard Industrial Classification titles and numbers: Linen Goods, 2296; Jute Goods (Except Felt), 2297.*)—This industry comprises establishments primarily engaged in manufacturing flax yarn and thread and fabrics of linen and linen-and-cotton mixtures, and establishments primarily engaged in manufacturing jute yarn and jute goods such as fabrics, bagging, and webbing. Establishments primarily engaged in manufacturing jute felts are classified under "Felt goods (except woven felts and hats)," and those manufacturing flax and jute cordage and twine under "Soft fiber cordage and twine," except cotton.

Cotton Cordage and Twine (*Part of Standard Industrial Classification No. 2298.*)—This subindustry comprises establishments primarily engaged in manufacturing rope, cordage, twine, and related goods from cotton. Establishments primarily engaged in manufacturing cotton fish netting, nets, and seines are included; in the 1939 census such establishments were reported under "Cotton Manufactures." Data for 1939 have been retabulated on a basis comparable with those for 1947 and are shown in table 1.

Hard Fiber Cordage and Twine (*Part of Standard Industrial Classification No. 2298.*)—This subindustry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related goods from abaca, agave, and other hard fibers.

Soft Fiber Cordage and Twine, Except Cotton (*Part of Standard Industrial Classification No. 2298.*)—This subindustry comprises establishments primarily engaged in manufacturing rope, cable, cordage, twine, and related goods from hemp, jute, paper, flax, synthetic, and other soft fibers, except cotton.

Textile Goods, Not Elsewhere Classified (*Standard Industrial Classification No. 2299.*)—This industry comprises establishments primarily engaged in manufacturing textile goods, not elsewhere classified, such as glass yarn and cord, paper fabrics, etc.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS
[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
Felt goods, n.e.c.:								
1947	46	4,737	\$14,177	4,167	\$11,109	\$24,881	\$34,883	\$59,764
1930	37	3,770	4,870	3,346	3,857	10,526	13,048	23,574
1937	39	4,145	5,540	3,711	4,529	11,000	18,649	29,649
1935 ⁴	40	3,974	4,407	3,576	3,438	10,192	13,505	23,697
Lace goods:								
1947	96	8,580	21,346	7,856	17,745	44,872	26,099	68,663
1930	63	8,341	10,792	7,254	8,107	15,353	8,785	24,138
1937	57	8,987	11,023	8,109	9,037	17,808	10,534	28,342
1935	56	8,810	10,814	7,858	8,686	17,496	10,032	27,528
1933	44	6,496	6,647	5,914	6,582	11,116	5,813	16,929
1931	42	n.a.	n.a.	6,043	6,289	13,039	6,123	19,162
1929	42	7,690	10,570	6,854	7,670	19,125	10,112	29,237
1927	43	7,234	9,799	6,482	7,585	15,906	11,392	27,298
1925	42	7,785	9,961	7,006	7,620	17,483	13,361	30,844
1923	39	7,966	10,247	7,307	8,085	21,161	14,631	35,792
1921	37	6,955	8,225	6,396	6,209	14,660	11,321	25,981
1919	44	7,188	8,111	6,490	6,087	16,321	13,076	29,397
1914 ⁴	41	8,113	4,679	7,440	3,468	7,530	5,677	13,207

See footnotes at end of table.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
Paddings and upholstery filling:								
1947	138	8,243	\$21,296	7,378	\$17,018	\$44,444	\$65,111	\$109,855
1939	124	5,291	6,188	4,505	4,120	15,292	10,021	30,213
1937	110	5,229	6,019	4,645	4,353	12,982	23,888	36,870
1935	110	3,746	3,958	3,248	2,592	9,778	15,853	25,631
Processed textile waste:								
1947	179	5,805	12,894	5,149	9,822	22,612	34,643	57,255
1939	153	5,683	6,167	4,844	3,934	10,495	22,470	32,974
1937	125	n.a.	n.a.	5,418	4,639	11,354	20,555	37,900
Coated fabrics, except rubberized:								
1947	110	8,698	27,596	6,948	19,219	51,209	108,905	187,114
1939	92	n.a.	n.a.	5,895	7,790	28,273	34,929	63,202
Jute (except felt), and linen goods:								
1947	35	5,290	12,140	4,815	9,942	21,318	28,275	48,833
1939	31	5,903	5,954	5,321	4,614	12,061	11,134	23,195
1937	39	n.a.	n.a.	7,945	6,454	14,229	15,831	30,090
Cotton cordage and twine:								
1947	80	6,975	13,729	6,409	11,730	27,747	39,550	66,652
Hard fiber cordage and twine:								
1947	28	6,136	16,290	5,169	11,852	33,011	53,689	89,151
Soft fiber cordage and twine, except cotton:								
1947	40	2,839	6,209	2,544	4,908	11,241	9,908	20,845
Cordage and twine, total:								
1947 ¹⁰	148	15,950	36,228	14,122	28,490	71,999	103,153	167,648
1939 ¹¹	124	n.a.	n.a.	12,687	10,633	30,487	20,207	59,754
1937	118	15,237	14,643	14,043	11,683	28,396	38,022	69,418
1935	112	13,434	11,915	12,260	9,074	23,213	23,743	40,060
1933	110	12,080	9,149	11,145	7,373	20,430	18,284	38,714
1931	117	n.a.	n.a.	11,087	8,627	23,155	24,402	47,557
1929	123	15,898	16,830	14,459	12,834	36,882	34,573	91,455
1927	116	16,489	17,530	15,084	13,674	33,067	35,105	89,172
1925	118	16,865	17,768	15,409	14,019	33,000	66,848	100,448
1923	121	17,901	19,257	16,382	15,148	34,041	53,642	88,283
1921	118	16,111	16,988	14,593	12,624	28,875	40,481	75,356
1919	120	19,203	18,716	17,622	14,700	43,061	49,705	133,336
1914	105	16,811	8,625	15,769	6,996	16,156	43,505	59,791
1909	112	15,498	6,506	14,629	5,304	12,627	29,315	41,942
1904	102	15,345	6,338	14,614	5,398	11,021	36,000	48,017
1899	105	13,550	4,780	13,114	4,113	11,218	26,032	37,850
Textile goods, n.e.c.:								
1947	25	2,653	6,525	2,261	4,843	13,034	9,340	19,374
1939 ¹²								

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture. For "Lace goods," "Jute (except felt), and linen goods" and "Cordage and twine," see GENERAL EXPLANATIONS—Method of calculating value added by manufacture for selected industries in 1947.² Figures for years prior to 1935 (1933 for "Lace goods") do not include cost of contract work.³ For 1947, value of products shipped; for prior years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.⁴ The figures for "Felt goods, n.e.c.," prior to 1935 are not sufficiently comparable with those for later years to be shown in this table because they include data for woven felts, which are no longer classified in this industry.⁵ "Lace goods" was not shown as a separate industry prior to 1914, but was included with "Cotton goods" and "Cotton small wares."⁶ Prior to 1935, the products of this industry were included in the "Cotton goods," "Woolen goods," "Worsted goods," and "Upholstering materials, n.e.c.," industries.⁷ The figures for "Processed textile waste" prior to 1937 are not sufficiently comparable with those for later years to be shown in this table because they include data for wiping rags, which are no longer classified as a manufactured product.⁸ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for prior years.⁹ The figures for prior years are not sufficiently comparable with those for later years to be shown in this table because they include data for linen carpets and rugs, which are no longer classified in this industry.¹⁰ Includes 2 small establishments with total shipments of less than \$10,000 incorrectly classified in the Hard Fiber Cordage and Twine Industry and 4 establishments that lay rope from semi-manufactured products.¹¹ The figures for 1939 have been revised to include data for fish nets and seines and are comparable with the figures for 1947. Value added for 1939, excluding data for fish nets and seines and on a basis comparable with earlier years, was \$29.0 million.¹² There were no establishments classified in this industry in 1939.TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947
[Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Felt goods, n.e.c., total¹	46	4,737	\$14,177	4,167	8,777	\$11,109	\$24,881	\$34,863	\$59,764	\$1,258
New England	13	1,207	3,645	1,164	2,423	3,061	8,747	7,719	14,406	271
Middle Atlantic	15	1,544	4,699	1,375	2,869	3,845	7,773	11,004	18,777	587
New York	5	727	2,167	656	1,350	1,658	3,260	4,078	7,538	87
East North Central	13	1,451	4,292	1,236	2,584	3,142	7,826	11,188	19,014	265
South and West	5	475	1,541	402	601	1,091	2,535	4,972	7,807	185
Lace goods, total¹	92	8,530	21,346	7,856	15,403	17,745	44,872	26,999	68,663	1,931
Northeast and North Central	92	8,530	21,346	7,856	15,403	17,745	44,872	26,999	68,663	1,931
Rhode Island	35	2,213	5,739	2,053	4,039	4,616	12,438	5,845	17,851	374
New York	21	1,197	2,835	1,128	2,243	2,530	6,273	3,150	8,079	558
New Jersey	19	864	2,179	795	1,637	1,941	3,985	2,004	5,992	161
Pennsylvania	11	3,309	7,957	2,982	5,647	6,510	17,423	11,832	27,915	700

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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	42,709	108,875	9,470
Cotton batting, wadding, and mattress felts.....	247,808	52,061	198,169	17,658
Made from raw cotton.....	39,450	8,457		
Made from linters.....	5,516	1,500	n.a.	n.a.
Made from waste.....	65,338	16,619		
Made from linters and waste mixed.....	137,694	20,070		
Upholstery filling	31,682	9,585	45,548	3,676
Curled hair.....	15,598	7,108	n.a.	n.a.
Other.....	15,984	2,477	n.a.	n.a.
Other paddings and upholstery filling.....	19,711	7,120		
Processed waste and recovered fibers, total	353,888	57,006	297,824	29,206
Fiber recovered from own materials.....	60,095	14,101	64,745	13,270
New wool clips and rags (reprocessed).....	12,261	4,384		
Old wool rags (reused).....	12,244	3,011	n.a.	n.a.
Rayon clips and rags.....	11,461	2,232		
Other clips and rags.....	30,129	4,534		
Processed mill waste (except fiber recovered from clips and rags).....	242,319	20,605	173,207	12,101
Cotton.....	182,311	15,258		
Wool.....	17,767	7,111	n.a.	n.a.
Rayon.....	6,729	1,655		
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.....	24,759	1,600	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.....	¹² 82,843	¹² 88,583	¹² 87,098			
Light cotton fabrics (except shade cloth).....	38,407	40,469	20,408	33,728	40,500	\$7,929
Heavy cotton fabrics.....	30,923	32,915	29,421	20,171	40,350	13,818
Nonfabric materials.....	6,243	6,595	3,275	4,780	0,214	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.....			20,592			
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		90,115	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 8 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 Barren laces included in "Other nets and laces" in 1939.¹¹ Linear yards.¹² Does not include 23,234,000 linear yards (25,084,000 square yards) of custom-coated materials, not classified by type, for which value of shipments was not reported.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry									
	Felt goods, n.e.c.	Lace goods	Paddings and upholstery filling	Processed textile waste	Coated fabrics, except rubberized	Linen and jute goods	Cotton cordage and twine	Hard fiber cordage and twine	Soft fiber cordage and twine, except cotton	Textile goods, n.e.c.
Number of establishments.....	46	96	138	179	110	35	80	28	40	25
All employees:										
Number (average for the year).....	4,737	8,580	8,243	5,805	8,698	5,200	6,975	6,136	2,839	2,653
Salaries and wages, total.....	\$14,177	\$21,346	\$21,296	\$12,894	\$27,596	\$12,140	\$13,729	\$16,200	\$6,209	\$0,625
Production and related workers:										
Number (average for the year).....	4,167	7,856	7,378	5,140	6,948	4,815	6,409	5,169	2,544	2,201
Man-hours, total.....	8,777	15,403	15,404	10,982	15,005	10,077	12,439	10,632	5,253	4,410
Wages, total.....	\$11,109	\$17,745	\$17,018	\$9,822	\$19,219	\$9,942	\$11,730	\$11,852	\$4,908	\$4,843
Value added by manufacture.....	\$24,881	\$44,872	\$44,444	\$22,612	\$61,209	\$21,318	\$27,747	\$33,011	\$11,241	\$13,034
Number of employees for pay period ended nearest Oct. 15:										
All employees.....	4,618	8,972	8,218	5,575	8,097	4,853	6,665	6,204	2,070	2,265
Male.....	4,193	4,480	6,760	4,094	7,551	2,913	3,538	4,524	1,233	1,430
Female.....	425	4,492	1,458	1,481	1,146	1,040	3,127	1,680	1,437	835
Production and related workers.....	4,041	8,221	7,338	4,913	6,845	4,396	6,103	5,250	2,386	1,994
Male.....	3,806	4,018	6,152	3,630	6,310	2,602	3,208	3,009	1,060	1,186
Female.....	235	4,203	1,186	1,283	535	1,794	2,895	1,341	1,326	698
Force-account construction workers.....					38		10	10	5	
Administrative, supervisory, sales, and all other.....	577	751	880	662	1,814	457	552	944	279	371
Male.....	387	462	608	464	1,203	311	320	605	168	234
Female.....	190	289	272	198	611	146	232	339	111	137
All employees, number by month:										
January.....	5,042	8,108	8,875	6,571	9,022	6,108	7,825	6,100	3,115	3,189
February.....	5,080	8,311	8,710	6,405	9,133	6,214	7,688	6,144	3,167	3,133
March.....	5,219	8,376	8,498	6,277	8,947	6,145	7,618	5,968	3,013	3,060
April.....	4,936	8,348	8,214	5,846	8,612	5,452	7,471	6,020	2,956	2,923
May.....	4,479	8,360	8,081	5,625	8,521	5,732	6,935	6,165	2,816	2,797
June.....	4,556	8,447	7,808	5,314	8,333	5,127	6,487	6,188	2,749	2,533
July.....	4,408	8,477	7,469	5,304	8,106	4,971	5,854	5,089	2,601	2,423
August.....	4,444	8,626	7,803	5,444	8,564	4,302	6,284	6,076	2,588	2,395
September.....	4,528	8,771	8,081	5,408	8,581	4,731	6,349	6,090	2,471	2,263
October.....	4,618	8,972	8,218	5,575	8,607	4,853	6,665	6,204	2,070	2,265
November.....	4,708	9,066	8,392	5,773	8,780	4,880	7,223	6,315	2,852	2,556
December.....	4,798	9,083	8,694	5,902	9,062	4,983	7,257	6,373	3,022	2,475
Cost of materials, fuel, electricity, and contract work.....	\$34,883	\$26,099	\$65,111	\$34,643	\$105,005	\$28,275	\$30,550	\$53,080	\$9,908	\$0,340
Materials, parts, containers, and supplies.....	33,735	24,441	63,798	33,442	102,875	27,543	38,577	52,768	9,631	5,728
Fuels, total.....	710	610	591	375	1,603	321	307	207		141
Bituminous coal.....	301	306	354	215	711	170	152	164		33
Anthracite.....	3	94	7	42	178	56	1	4		6
Coke.....				5	10					
Fuel oils.....	371	158	193	83	667	95	131	106		84
Gas.....	35	39	29	21	33		16	3		18
Other fuels.....		13	8	5	5		5			1
Purchased electric energy.....	367	177	718	527	608	397	527	495	240	373
Contract and commission work.....	71	871	4	299	819	14	145	159	37	98
Value of inventories:										
Beginning of year, total.....	\$8,946	\$10,010	\$20,760	\$9,243	\$22,644	\$15,845	\$11,267	\$12,069	\$4,314	\$5,048
Finished products.....	1,844	3,028	2,316	n.a.	2,949	3,741	3,305	2,830	545	3,717
Materials, supplies, and work in process.....	7,102	6,982	18,444	n.a.	19,695	12,104	7,962	9,239	3,769	2,231
End of year, total.....	9,194	10,486	14,375	8,795	26,282	16,296	12,630	24,401	5,092	7,169
Finished products.....	2,009	2,944	2,369	n.a.	5,486	5,767	4,983	8,517	1,132	5,060
Materials, supplies, and work in process.....	7,185	7,542	12,006	n.a.	20,796	10,529	7,647	15,884	4,560	2,109
Expenditures for plant and equipment:										
New plant and equipment.....	\$1,258	\$1,931	\$1,883	\$1,046	\$3,997	\$1,674	\$865	\$1,641	\$1,357	\$1,510
Construction and major alteration of fixed plants.....	366	664	597	321	909	624	182	311	305	531
Buildings.....	236	648	569	294	874	188	131	307	359	500
Other construction.....	130	16	28	27	35	430	51	4	0	31
Machinery and equipment.....	892	1,267	1,286	725	3,088	1,050	683	1,330	992	979
Production machinery and equipment.....	825	1,095	1,052	621	2,887	950	588	1,230	938	941
Other machinery and equipment.....	67	172	224	104	201	100	95	91	54	38
Used plant and equipment, and land.....	192	9	56	23	165	37	237	53		16
Number of highway-type motor vehicles owned or leased:										
Trucks.....	32	31	137	113	67	34	38	37	28	7
By manufacturer's rated capacity:										
Under 1 1/2 tons.....	5	11	28	29	20	10	15	6	8	1
1 1/2 tons.....	11	12	71	48	18	11	21	13	13	2
Over 1 1/2 tons and less than 3 1/2 tons.....	10	7	26	28	13	0	1	13	7	1
3 1/2 tons and less than 5 tons.....	3	1	9	2	3		1	1		
5 tons and over.....	3	1	3	6	13		0	4		
By body type:										
Van.....	7	5	27	3	24	1	4	2	2	3
Stake or platform.....	18	10	70	79	17	14	19	15	12	1
Panel or light delivery.....	3	7	21	24	17	15	10	8	8	3
All other trucks.....	4	9	19	7	9	4	5	12	6	
Truck tractors.....	1		38	9	1		2	3		
Trailers and semitrailers.....	3		46	12	1		4	3		

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Felt goods, n.e.c.:											
Number of establishments	46	6	3	6	10	5	10	5	1		
Number of employees (average for the year)	4,737	21	21	82	206	337	1,855	<i>2,125</i>	(^d)		
Value added by manufacture	\$24,881	\$98	\$132	\$410	\$2,260	\$1,271	\$10,615	<i>\$10,086</i>	(^d)		
Lace goods:											
Number of establishments	96	15	13	16	15	8	19	7	3		
Number of employees (average for the year)	8,580	39	85	216	450	503	2,882	2,596	1,809		
Value added by manufacture	\$44,872	\$211	\$606	\$1,146	\$2,247	\$2,236	\$14,013	\$13,710	\$10,703		
Paddings and upholstery filling:											
Number of establishments	138	18	22	35	28	13	11	9	2		
Number of employees (average for the year)	8,243	51	158	482	849	778	2,024	<i>3,901</i>	(^d)		
Value added by manufacture	\$44,444	\$318	\$915	\$2,936	\$5,209	\$4,875	\$8,952	<i>\$21,239</i>	(^d)		
Processed textile waste:											
Number of establishments	179	28	24	52	45	18	11		1		
Number of employees (average for the year)	5,805	78	163	745	1,408	1,240	<i>2,173</i>		(^d)		
Value added by manufacture	\$22,612	\$371	\$655	\$2,960	\$5,887	\$4,477	<i>\$8,262</i>		(^d)		
Coated fabrics, except rubberized:											
Number of establishments	110	21	10	21	22	17	10	5	4		
Number of employees (average for the year)	8,698	50	73	295	701	1,201	1,541	1,949	2,888		
Value added by manufacture	\$51,209	\$294	\$639	\$2,115	\$3,326	\$8,081	\$10,371	\$8,845	\$17,538		
Jute (except felt), and linen goods:											
Number of establishments	35	3	3	4	7	5	4	6	3		
Number of employees (average for the year)	5,290	(^d)	<i>30</i>	60	230	383	633	2,065	1,889		
Value added by manufacture	\$21,318	(^d)	<i>\$163</i>	\$108	\$766	\$1,315	\$2,503	\$9,303	\$7,100		
Cotton cordage and twine:											
Number of establishments	80	14	10	14	11	11	13	4	3		
Number of employees (average for the year)	6,975	20	62	196	274	888	2,167	1,186	2,182		
Value added by manufacture	\$27,747	\$130	\$158	\$823	\$1,233	\$3,551	\$9,340	\$4,515	\$7,997		
Hard fiber cordage and twine:											
Number of establishments	28	5		1	1	4	10	3	2	2	
Number of employees (average for the year)	6,136	(^d)		(^d)	(^d)	<i>331</i>	1,312	<i>4,493</i>	(^d)	(^d)	
Value added by manufacture	\$39,011	(^d)		(^d)	(^d)	<i>\$1,917</i>	\$7,742	<i>\$23,362</i>	(^d)	(^d)	
Soft fiber cordage and twine, except cotton:											
Number of establishments	40	4	6	4	10	8	4	4			
Number of employees (average for the year)	2,839	10	40	66	335	525	591	1,282			
Value added by manufacture	\$11,241	\$27	\$171	\$350	\$1,374	\$2,195	\$3,184	\$3,940			
Textile goods, n.e.c.:											
Number of establishments	25	6	3	4	2	5		3	2		
Number of employees (average for the year)	2,653	(^d)	(^d)	88	<i>419</i>	(^d)		(^d)	<i>2,140</i>		
Value added by manufacture	\$13,034	(^d)	(^d)	<i>\$610</i>	<i>\$1,811</i>	(^d)		(^d)	<i>\$10,613</i>		

NOTE: Value added figures in smaller size groups may be distorted in relation to employment by reports of firms which have a large part of their manufacturing work done by others on contract.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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						
Linen (linx) thread, except jacquard thread and twine	Pound	2,117	\$8,523	2,105	2,495	\$6,028
Woven goods (linx or hemp)	Sq. yd.	4,065	4,813	3,577	n.a.	3,430
All other linen goods			972			2,598
Jute goods (except felt), total			35,879			14,948
Jute yarn and rove produced for sale	Pound	100,894	26,923	99,894	192,292	12,368
Jute bagging for baling cotton	Sq. yd.	45,055	5,730	44,431	45,363	2,051
All other jute goods			3,226			529
Felt goods (except woven felts and hats), total					114,822	22,819
Pressed wool felts	Pound	132,783	58,875	132,212		
Industrial felts (3/8 inch thick and over)	do	24,165	23,054	24,031		
Needle trade felts (under 3/8 inch thick)	do	12,004	8,741	11,822	n.a.	n.a.
Sheets	do	10,792	12,041	10,851		
Wheels	do	1,124	1,645	1,119		
	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	4,460	19,276	n.a.	n.a.
All other and unclassified	do	43,483	9,719	43,159	n.a.	n.a.
Cordage (rope and cable) and twine, total		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	28,080	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		(¹)
Netting	do	8,288	12,595	8,356		3,520
Fish netting	do	7,511	11,583	7,572		
Other netting	do	777	1,012	784	n.a.	n.a.
Hard fiber cordage and twine, total	do	272,898	67,062	263,282	234,158	23,537
Cordage	do	124,678	37,852	133,177	93,111	13,153
Abaca rope and cable	do	98,892	31,032	109,366	77,041	11,224
3/4 inch diameter and larger	do	81,217	25,270	86,287		
Less than 3/4 inch diameter	do	17,675	5,792	22,079	n.a.	n.a.
Agave rope and cable	do	25,786	6,790	24,811	16,070	1,929
3/4 inch diameter and larger	do	3,874	973	3,118		
Less than 3/4 inch diameter	do	21,912	5,817	21,693	n.a.	n.a.
Twine	do	148,220	30,110	160,105	141,047	10,384
Binder twine	do	67,440	12,175	71,134	88,058	5,144
Baler twine	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	1,161	335	1,201	3,177	431
Soft fiber cordage and twine, except cotton, total	do	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		
Braided cord, including rope and cable	do	341	144	330	n.a.	n.a.
Twine, wrapping and other	do	71,783	20,601	76,479		9,704
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	45,160	12,453	46,915	19,873	2,689
Paper	do	15,074	3,429	15,416		3,668
Other fibers and mixed fibers	do	3,185	2,050	3,269	19,698	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	1,088		(²)

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	
Lovers lace-machine products			29,161			3,304	19,046	
All-overs	Sq. yd.	3,556	4,602	732	3,863			
Edgings, insertions, galloons, and flouncings	do	14,658	21,321	3,921	14,711	n.a.	n.a.	
All other lovers lace-machine products	do	3,455	3,233	550	9,368			
Barnen laces	Lln. yd.	41,837	1,513		41,732			
Nottingham lace machine products			30,154			4,322	13,270	
Curtains	Pair	10,084	20,180	3,434	10,391	3,463	10,187	
All other Nottingham lace and lace products			9,974	1,438		859	3,073	
Bobbinets	Sq. yd.	1,419	1,417	510	1,419	422	11,279	
Other nets and laces			2,054				16,591	

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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	42,700	108,875	9,470
Cotton batting, wadding, and mattress felts.....	247,808	52,061	198,160	17,658
Made from raw cotton.....	30,450	8,457		
Made from linters.....	5,516	1,500	n.a.	n.a.
Made from waste.....	65,338	16,610		
Made from linters and waste mixed.....	137,604	20,070		
Upholstery filling	31,682	9,585	45,548	3,670
Curled hair.....	15,598	7,108	n.a.	n.a.
Other.....	15,984	2,477	n.a.	n.a.
Other paddings and upholstery filling.....	19,711	7,120		
Processed waste and recovered fibers, total	353,888	57,006	297,824	29,206
Fiber recovered from own materials.....	60,095	14,101	64,745	13,270
New wool clips and rags (reprocessed).....	12,261	4,384		
Old wool rags (reused).....	12,244	3,011	n.a.	n.a.
Rayon clips and rags.....	11,461	2,232		
Other clips and rags.....	30,129	4,534		
Processed mill waste (except fiber recovered from clips and rags).....	242,319	20,605	173,207	12,101
Cotton.....	182,311	15,258		
Wool.....	17,707	7,111	n.a.	n.a.
Rayon.....	6,720	1,655		
Other.....	55,612	5,641		
Flock	8,430	2,410	3,204	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.....	24,759	1,600	38,631	1,777
Oakum.....	12,305	1,704	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.....	12 82,843	12 88,583	12 87,098			
Light cotton fabrics (except shade cloth).....	38,407	40,469	20,408	33,728	40,500	\$7,929
Heavy cotton fabrics.....	30,923	32,915	29,421	20,171	40,350	13,818
Nonfabric materials.....	6,243	6,595	3,275	4,780	0,214	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.....			20,592			
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			63,036			
Varnished insulating fabrics and paper.....			21,504			
Fabrics.....			19,200	n.a.	n.a.	n.a.
Paper.....		8,310	2,304			
Waxed fabrics.....	4,720		837			
Oilcloth.....	55,654	75,007	19,919		90,115	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 8 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 Barren laces included in "Other nets and laces" in 1939.¹¹ Linear yards.¹² Does not include 23,234,000 linear yards (25,084,000 square yards) of custom-coated materials, not classified by type, for which value of shipments was not reported.

TABLE 7.—MATERIALS CONSUMED: 1947

[Information not published for these industries]

TABLE 8.—LACE GOODS INDUSTRY—LACE AND NET MACHINERY IN POSSESSION: DECEMBER 31, 1947

TYPE OF MACHINE	Total	Active at some time during 1947	Idle entire year
Nottingham lace machines:			
Up to 300 inches.....	49	36	13
300 to 360 inches.....	320	246	74
360 inches and over.....	126	116	10
Bobbinet machines.....	71	59	12
Levers lace machines.....	685	617	68
Barmen lace machines.....	1,009	(¹)	(¹)

¹ Withheld to avoid disclosing figures for individual companies.

Major Group 23.—APPAREL AND RELATED PRODUCTS

This major group, known as the cutting-up and needle trades, includes establishments producing clothing and related fabricated products by cutting and sewing purchased woven or knit fabrics. All types of textiles are utilized, as well as leather, rubberized fabrics, fur, and other materials. This classification makes no distinction between the two types of organizations which operate in the apparel industries; namely, the "regular" or "inside" factory which purchases materials, manufactures clothing and related articles, and sells the finished products, and the "contract" factory which manufactures ap-

parel from materials owned by others.

Jobbers who do no manufacturing but who assign materials to contract factories for fabrication are included in certain industries of this major group where they account for a relatively significant part of the total cost of materials and value of shipments. A relatively large number of jobber establishments are included in each of the following industries: 2311, 2321, 2327, 2329, 2331, 2333, 2335, 2336, 2338, 2339, 2341, 2363, 2369, 2384, and 2385. Custom tailors and dressmakers are classified in nonmanufacturing industries.

GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

CENSUS YEAR	Number of establishments	All employees ¹		Production workers		Value added by manufacture ²
		Number (average for the year)	Wages and salaries, total	Number (average for the year)	Wages, total	
1947 ³	30,960	1,081,844	\$2,527,400	972,807	\$2,015,220	\$4,443,373
1939	20,275	n.a.	n.a.	752,820	650,280	1,386,004
1937	16,284	n.a.	n.a.	693,112	600,424	1,244,542
1935	18,852	n.a.	n.a.	690,078	545,470	1,122,911
1933	14,801	n.a.	n.a.	513,448	365,732	826,770
1931	19,650	n.a.	n.a.	531,190	502,602	1,369,698
1929	22,870	680,930	900,936	606,087	680,840	1,027,269
1927	21,977	648,133	859,447	570,613	672,644	1,877,954
1925	18,609	n.a.	n.a.	515,204	601,603	1,685,332
1923	20,333	634,782	815,800	545,491	626,818	1,748,238
1921	20,049	585,666	732,910	514,666	584,036	1,408,056
1919	22,501	640,084	799,175	553,715	578,077	1,617,726
1914	18,015	617,477	355,918	548,255	209,953	682,344
1909	16,747	n.a.	n.a.	537,275	247,061	613,541
1904	12,416	428,009	194,188	391,275	158,855	418,851
1899	12,679	364,430	149,500	337,934	123,092	309,087

n.a.—Not available.

¹ The figures for "All employees" for 1947 and 1939 include data for employees of manufacturing establishments who were engaged in distribution and construction work. The extent to which data for such employees were included in the figures reported for earlier years is not known. See GENERAL EXPLANATIONS—Manufacturing employees—Classifications used.

² Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1899-1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture. For 1935, cost of contract work subtracted from value of products amounted to \$118.3 million. See GENERAL EXPLANATIONS—Value added by manufacture.

³ The figures for all years except 1930 and 1937 include data for establishments that cut and stitch products from knit cloth made in separate mills of integrated companies. For 1939 and 1937, data for these establishments are included in the figures for the "Textile mill products" industries.

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

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of men's, youths', and boys' suits, coats, and overcoats, and suit and coat findings. These establishments have been classified in two industries described separately below. There are, however, a few generalizations which apply to these industries.

Number of Garments Cut.—In the 1939 Census of Manufactures and previous censuses, the basis for determining the number of garments produced was the number stitched. Cuttings have been used in the 1947 census as experience has shown that there is less likely to be duplication in cuttings figures than in stitching figures. A garment may be stitched in more than one plant, but it is almost universally true that all pieces of a garment are cut at one time and in the same factory. In addition, the individual manufacturers usually maintain cuttings records while they may or may not keep stitching records. Cutting has been used successfully as the method of measuring production in the Census Bureau's Facts for Industry series on apparel.

Value figures for garments or class of garments by States may be slightly affected by the change to a cutting basis. This is particularly true in the case of the State of New York. It is the custom of many New York City manufacturers to cut the garments and then transfer them to neighboring States for stitching. Other cities in which this is particularly prevalent are Philadelphia, Boston, and Baltimore. In ascribing the value to where the garment is cut, a closer relationship is maintained between the value of product and the State in which the garment is merchandized. Because more workers are involved in the stitching process, previous censuses tended to place the value of product where the greatest number of production workers were employed.

Inside and Contract Operations.—Within these industries, as in others producing apparel, there are two over-all types of operations. The first major type is the inside shop. In this type of operation, the establishment owning the materials, cuts the materials and stitches the garments in one shop. The second is the contract operation, in which the establishment owning the materials cuts the garment and then sends out the pieces for stitching in another establishment. In the tables, figures for inside and contracting establishments have been combined. However, the establishment owning the materials reports the costs of stitching as "Cost of Contract and Commission Work" while the contractor reports his earnings as "Contract Receipts." Each of these amounts is shown separately. In some cases, payments between cutting and stitching plants of the same firm have been treated as contract work. This somewhat inflates the amount of contract payments and receipts as they

are usually described in the trade, which thinks of contractors in terms of independently owned establishments. Also included are a few establishments which hire no production workers but which sell garments made from their own materials although entirely processed by establishments owned by others; technically, these are jobbers rather than manufacturing establishments, but it was necessary to include them in order to have complete figures on "Cost of Materials" and "Value of Products." Such establishments were also included in earlier years.

Value Added in the Apparel Industries.—Starting with the 1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Product" as one of the elements of "Cost of Materials" in the determining of "Value Added" (for a definition of this term see *General Explanations*). In the 1935 Census of Manufactures, "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Combined Costs of Materials"; prior to that "Cost of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

There are certain discrepancies between the totals reported here for various types of garments and figures reported in the 1947 Facts for Industry summary on the men's and boys' apparel industries. These inconsistencies are largely due to manufacturers reporting different size groups in the two surveys. These differences are chiefly in the distribution among students', cadets', and junior boys' sizes.

Monthly statistics on the cuttings of suits, coats, and overcoats are published in Facts for Industry, Series M67B, "Men's and Boys' Clothing and Cotton and Allied Garments."

Men's and Boys' Suits and Coats (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Suits, Coats, and Overcoats, 2311.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' suits, coats, and overcoats. Establishments primarily engaged in manufacturing uniforms (military, policemen's, firemen's, etc.) are also included in this industry. Establishments primarily engaged in manufacturing men's work and sports garments are classified in Group 232.

Suit and Coat Findings (*Standard Industrial Classification No. 2312.*)—This industry comprises establishments primarily engaged in manufacturing suit and coat findings such as coat fronts, interlinings, collar linings, trouser waistbands, and shoulder pads, or in making buttonholes for men's, youths', and boys' coats and suits.

This industry is shown for the first time in the 1947 census. In 1939 suit and coat findings were included in the clothing industry.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

(Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Men's and boys' suits and coats:								
1947	1,816	146,768	\$396,244	132,866	\$331,151	\$658,358	\$753,217	\$1,411,575
1939 ³	1,848	n.a.	n.a.	116,852	123,326	236,511	309,400	545,911
Suit and coat findings:								
1947	153	3,601	8,555	3,270	6,821	15,885	22,522	38,407
1939 ³	112	n.a.	n.a.	2,747	2,217	4,170	5,233	9,403

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.² For all years, value of products made. See GENERAL EXPLANATIONS—Value of products shipped.³ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for prior years.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947

(Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS)

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Men's and boys' suits and coats, total¹	1,816	146,768	\$396,244	132,866	259,677	\$331,151	\$658,358	\$753,217	\$1,411,575	\$10,747
New England	121	8,845	22,620	7,038	15,628	17,900	36,727	30,310	76,037	2,107
Middle Atlantic	1,139	81,488	235,449	74,315	143,982	200,663	385,981	481,870	807,857	4,642
New York	843	47,551	148,544	42,536	80,884	123,637	251,705	332,935	584,640	2,794
North Central	255	30,147	82,380	26,307	51,896	65,190	132,105	125,464	257,059	1,417
Ohio	65	10,564	28,308	9,191	18,073	22,067	47,265	60,525	107,790	434
Indiana	4	1,729	4,143	1,617	3,120	3,483	5,075	2,209	7,884	02
Michigan	4	189	455	171	314	417	702	152	854	2
Wisconsin	11	855	1,944	795	1,455	1,070	2,060	1,447	4,407	51
Minnesota	23	815	2,071	782	1,419	1,581	3,419	3,454	6,873	214
South	194	22,477	45,257	20,874	41,648	38,020	87,709	93,705	181,414	2,338
Maryland	133	8,514	19,521	7,701	16,061	16,518	37,137	40,407	83,604	506
Virginia	6	2,634	5,014	2,450	4,574	4,672	15,515	15,009	30,584	121
Kentucky	12	4,516	8,271	4,299	8,022	7,599	14,509	14,418	28,927	557
Louisiana	13	1,706	3,208	1,541	3,151	2,324	4,938	4,920	0,858	160
Mountain	5	412	922	367	732	736	1,046	771	2,417	3
Pacific	92	3,399	9,616	3,035	5,791	8,033	14,100	12,091	26,191	180
California	86	3,121	8,854	2,843	5,355	7,531	12,073	10,724	23,307	170
Suit and coat findings, total¹	153	3,601	8,555	3,270	6,108	6,821	15,885	22,522	38,407	214
New England	8	187	401	172	332	297	870	1,188	2,058	4
Middle Atlantic	112	2,679	6,414	2,433	4,455	5,203	11,706	16,400	28,115	167
New York	89	1,658	4,431	1,461	2,650	3,511	7,043	12,277	20,220	81
North Central	19	395	977	351	679	748	1,953	2,172	4,125	24
Ohio	8	167	317	149	281	272	643	488	1,131	6
South	10	259	556	239	473	395	1,036	2,487	3,523	10
Maryland	6	144	363	134	261	254	530	888	1,418	1
Pacific	4	81	207	75	104	178	320	266	686	0
California	4	81	207	75	104	178	320	266	686	0

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.**Men's and boys' suits and coats:** *New England*, Maine, 1; *New Hampshire*, 2; *Massachusetts*, 117 (8,340); *Rhode Island*, 2; *Connecticut*, 9 (139); *Middle Atlantic*, *New Jersey*, 92 (11,091); *Pennsylvania*, 204 (22,846); *North Central*, *Illinois*, 124 (13,266); *Iowa*, 2; *Missouri*, 21 (2,354); *Kansas*, 1; *South*, *Delaware*, 1; *District of Columbia*, 1; *North Carolina*, 2; *South Carolina*, 1; *Georgia*, 4 (1,550); *Florida*, 1; *Tennessee*, 6 (1,861); *Alabama*, 2; *Arkansas*, 1; *Oklahoma*, 1; *Texas*, 10 (853); *Mountain*, *Colorado*, 4; *Utah*, 1; *Pacific*, *Washington*, 3 (54); *Oregon*, 3 (224).**Suit and coat findings:** *New England*, *Massachusetts*, 5 (139); *Rhode Island*, 1; *Connecticut*, 2; *Middle Atlantic*, *New Jersey*, 2; *Pennsylvania*, 21; *North Central*, *Illinois*, 10; *Missouri*, 1; *South*, *Georgia*, 1; *Tennessee*, 2; *Texas*, 1.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947
[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry		ITEM	Industry	
	Men's and boys' suits and coats	Suit and coat findings		Men's and boys' suits and coats	Suit and coat findings
ALL ESTABLISHMENTS			ESTABLISHMENTS REPORTING DETAILED STATISTICS—Continued		
Number of establishments	1,816	153	Cost of materials, fuel, electricity, and contract work	\$746,639	\$22,522
All employees:			Materials, parts, containers, and supplies	559,058	22,353
Number (average for the year)	146,768	3,601	Fuels, total	1,418	16
Salaries and wages, total	\$300,244	\$8,555	Bituminous coal	546	3
Production and related workers:			Anthracite	96	
Number (average for the year)	132,866	3,270	Coke	9	
Man-hours, total	259,677	6,108	Fuel oils	516	1
Wages, total	\$331,151	\$6,821	Gas	170	4
Value added by manufacture	\$658,358	\$15,885	Other fuels	81	8
ESTABLISHMENTS REPORTING DETAILED STATISTICS			Purchased electric energy	2,436	76
Number of establishments	1,598	153	Contract and commission work	183,727	77
All employees:			Value of inventories:		
Number (average for the year)	144,071	3,601	Beginning of year, total	\$178,341	\$1,764
Salaries and wages, total	\$301,416	\$8,555	Finished products	51,318	n.a.
Production and related workers:			Materials, supplies, and work in process	127,023	n.a.
Number (average for the year)	130,875	3,270	End of year, total	216,282	2,376
Man-hours, total	255,710	6,108	Finished products	66,375	n.a.
Wages, total	\$326,084	\$6,821	Materials, supplies, and work in process	149,907	n.a.
Value added by manufacture	\$648,615	\$15,885	Expenditures for plant and equipment:		
Number of employees for pay period ended nearest Oct. 15:			New plant and equipment	\$10,747	\$214
All employees	149,830	3,802	Construction and major alteration of fixed plants	3,057	6
Male	62,759	1,338	Buildings	2,734	6
Female	87,071	2,464	Other construction	2,323	
Production and related workers	135,657	3,463	Machinery and equipment	7,690	208
Male	54,250	1,145	Production machinery and equipment	6,099	182
Female	81,398	2,318	Other machinery and equipment	1,591	26
Force-account construction workers	79		Used plant and equipment, and land	1,088	7
Administrative, supervisory, sales, and all other	14,094	339	Number of highway-type motor vehicles owned or leased:		
Male	8,421	193	Trucks	156	13
Female	5,673	146	By manufacturer's rated capacity:		
All employees, number by month:			Under 1½ tons	82	7
January	141,148	3,574	1½ tons	45	6
February	143,011	3,639	Over 1½ tons and less than 3½ tons	21	
March	143,894	3,672	3½ tons and less than 5 tons	7	
April	142,822	3,523	5 tons and over	1	
May	142,504	3,449	By body type:		
June	142,990	3,454	Van	34	
July	138,232	3,526	Stake or platform	3	2
August	145,053	3,712	Panel or light delivery	105	10
September	147,213	3,705	All other trucks	14	1
October	149,830	3,802	Truck tractors	9	
November	149,696	3,545	Trailers and semitrailers	9	
December	149,097	3,547			

n.a.—Not available.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Men's and boys' suits and coats:											
Number of establishments	1,816	1,367	268	242	316	262	235	81	30	13	2
Number of employees (average for the year)	146,768	839	1,768	3,422	10,189	18,614	35,465	29,211	19,549	\$7,711	(d)
Value added by manufacture	\$658,358	\$12,553	\$17,681	\$28,193	\$59,822	\$77,261	\$139,424	\$129,771	\$73,232	\$120,421	(d)
Suit and coat findings:											
Number of establishments	153	23	26	45	39	17	3				
Number of employees (average for the year)	3,601	60	181	632	1,204	1,115	409				
Value added by manufacture	\$15,885	\$298	\$786	\$3,188	\$5,654	\$4,485	\$1,474				

NOTE: In the smaller size groups value added figures in relation to employment may be affected by working members of the firm who are not counted in total employment. In many apparel industries the inclusion of firms which have a large part of their manufacturing work done on contract may also affect the ratio. Finally, some small errors in reporting may have distorted the relationship in a few instances.

¹ Includes 27 establishments with no employees accounting for \$1,379,000 value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

MEN'S AND BOYS' SUITS AND COATS INDUSTRY	Shipped by—			SUIT AND COAT FINDINGS INDUSTRY	Shipped by—		
	Men's and boys' suits and coats industry	Other industries	All industries		Suit and coat findings industry	Other industries	All industries
Total shipments by the industry	\$1,411,575			Total shipments by the industry	\$38,407		
A. Men's, youths', and boys' suits, coats, and overcoats.....	1,116,945	\$36,868	\$1,153,813	A. Men's suit and coat findings.....	30,819	\$495	\$37,314
Men's, youths', and boys' suits and separate coats.....	894,780	25,273	920,053	B. Secondary products.....	390		
Men's, youths', and boys' overcoats and topcoats.....	200,938	10,903	211,841	C. Miscellaneous receipts.....	1,198		
Men's, youths', and boys' clothing, not specified as to type.....	21,227	692	21,919	Contract and commission work.....	1,188		
B. Secondary products.....	100,800			Scrap and salable refuse.....	10		
Men's, youths', and boys' separate trousers.....	67,137						
Women's and misses' suits and coats.....	13,151						
Girls' and children's suits and coats.....	2,385						
Other secondary products.....	18,127						
C. Miscellaneous receipts.....	193,830						
Contract and commission work.....	192,875						
Scrap and salable refuse.....	786						
Nonmanufacturing activities.....	169						

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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	24,737	\$346,402
Men's, except summer-weight, two-trouser.....	2,191	77,805		
Men's, summer-weight.....	3,991	92,279	()	()
Students', except summer-weight (Sizes 32-38).....	632	12,609		
Students', summer-weight (Sizes 32-38).....	73	1,156		
Cadets', except summer-weight (Sizes 8-16).....	1,130	14,813	2,617	18,304
Cadets', summer-weight (Sizes 8-16).....	33	405		
Junior boys', except summer-weight (Sizes 3-12).....	1,082	9,913		
Junior boys', summer-weight (Sizes 3-12).....	209	1,481		
Uniform suits ?.....	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	73,400	n.a.	n.a.
Men's.....	4,458	64,442	n.a.	n.a.
Students' (Sizes 32-38).....	302	3,034		
Cadets' (Sizes 8-16).....	308	3,300		
Junior boys' (Sizes 3-12).....	218	2,030		
Uniform separate coats ?.....	345	6,870	n.a.	n.a.
Military.....	87	1,550	n.a.	n.a.
Nonmilitary.....	258	5,320		
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	203,880	5,044	79,763
Men's.....	7,233	196,371		
Students' (Sizes 10-24).....	160	2,309	n.a.	n.a.
Cadets' (Sizes 8-16).....	165	2,170		
Junior boys' (Sizes 4-14).....	282	2,980		
Uniform overcoats ?.....	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.	21,019		
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

This report shows 1947 Census of Manufactures statistics for establishments engaged primarily in the production of men's, youths', and boys' shirts, underwear, neckwear, cloth hats and caps, hat and cap materials, trousers, and work, sport, and other clothing, not elsewhere classified. These establishments have been classified in eight industries described separately below. There are, however, a few generalizations which apply to these as well as other apparel industries:

Number of Garments Cut.—In the 1939 Census of Manufactures and previous censuses, the basis for determining the number of garments produced was the number stitched. Cuttings have been used in the 1947 census as experience has shown that there is less likely to be duplication in cuttings figures than in stitching figures. A garment may be stitched in more than one plant, but it is almost universally true that all pieces of a garment are cut at one time and in the same factory. In addition, the individual manufacturers usually maintain cutting records while they may or may not keep stitching records. Cutting has been used successfully as the method of measuring production in the Census Bureau's "Facts for Industry" series on apparel.

Value figures for garments or class of garments by States may be slightly affected by the change to a cutting basis. This is particularly true in the case of the State of New York. It is the custom of many New York City manufacturers to cut the garments and then transfer them to neighboring States for stitching. Other cities in which this is particularly prevalent are Philadelphia, Boston, and Baltimore. In ascribing the value to where the garment is cut, a closer relationship is maintained between the value of product and the State in which the garment is merchandized. Because more workers are involved in the stitching process, previous censuses tended to place the value of product where the greatest number of production workers were employed.

Inside and Contract Operations.—Within these industries, as in others producing apparel, there are two over-all types of operations. The first major type is the inside shop. In this type of operation, the establishment owning the materials, cuts the materials and stitches the garments in one shop. The second is the contract operation, in which the establishment owning the materials cuts the garment and then sends out the pieces for stitching in another establishment. In the tables, figures for inside and contracting establishments have been combined. However, the establishment owning the materials reports the costs of stitching as "Costs of Contract and Commission Work" while the contractor reports his earnings as "Contract Receipts." Each of these amounts is shown separately. In some cases, payments between cutting and stitching plants of the same firm have been treated as contract work. This somewhat inflates the amount of contract payments and receipts as they are usually described in the trade, which thinks of contractors in terms of independently owned establishments. Also included are a few establishments which hire no production workers but which sell garments made from their own materials although entirely processed by establishments owned by others; technically, these are jobbers rather than manufacturing establishments, but it was necessary to include them in order to have complete figures on "Cost of Materials" and "Value of Products." Such establishments were also included in earlier years.

Value Added in the Apparel Industries.—Starting with the

1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Product" as one of the elements of "Cost of Materials" in the determining of "Value Added" (for a definition of this term see GENERAL EXPLANATIONS). In the 1935 Census of Manufactures, "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Combined Costs of Materials"; prior to that "Costs of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

There are certain discrepancies between the totals reported here for various types of garments and figures reported in the 1947 Facts for Industry summary on the men's and boys' apparel industries. These inconsistencies are largely due to manufacturers reporting different size groups in the two surveys. These differences are chiefly in the distribution among students', cadets', and junior boys' sizes. In the reporting of trousers, there were also differences as to the type of fabric reported used which could not be reconciled.

Monthly statistics on the cuttings of furnishings, work clothing, and allied garments were published in Facts for Industry, Series M67B, "Men's and Boys' Clothing and Cotton and Allied Garments."

Men's Dress Shirts and Nightwear (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Shirts (Except Work Shirts), Collars, and Nightwear, 2321.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' shirts, collars, and nightwear cut and sewed from purchased woven or knit fabric. Establishments primarily engaged in manufacturing work shirts are classified in Industry 2328. Knitting mills primarily engaged in manufacturing nightwear are classified in Industry 2254.

Men's and Boys' Underwear (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Underwear, 2322.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' underwear cut and sewed from purchased woven or knit fabric, including fabric transferred from another plant of the same company. Knitting mills primarily engaged in manufacturing underwear are classified in Industry 2254.

Men's and Boys' Neckwear (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Neckwear, 2323.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' neckties, scarfs, and mufflers cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing neckties, scarfs, and mufflers are classified in Industry 2253. Furthermore, neckwear produced in such mills are shown only in Industry 2253.

Men's and Boys' Cloth Hats and Caps (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Cloth Hats and Caps, 2325.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' hats and caps from purchased knit or woven fabric, such as baseball and other cloth sport hats; chauffeurs', policemen's, and other uniform hats; and miscellaneous cloth hats and caps. Establishments primarily engaged in manufacturing fur-felt hats are classified in Industry 2281, wool-felt hats in Industry 2282, and straw hats in Industry 2283. Knitted caps made in knitting mills are shown in Industry 2253 as "Knitted headwear."

Hat and Cap Materials (*Standard Industrial Classification No. 2326.*)—This industry comprises establishments primarily engaged in manufacturing hat and cap findings, such as cap visors, sweatbands, and trimmings from purchased materials. Establishments primarily engaged in tip printing or stamping are also included in this industry. Establishments primarily engaged in manufacturing hatters' fur are classified in the Hatters' Fur Industry, 2284.

Separate Trousers (*Full Standard Industrial Classification title and number: Men's, Youths', and Boys' Separate Trousers, 2327.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' separate trousers. Establishments primarily engaged in manufacturing work pants are classified in Industry 2329.

This industry is shown for the first time in the 1947 census. In 1939, a distinction was made between dress and semidress trousers; dress trousers were included in the "Clothing" industry and semidress in the "Furnishings" industry.

Work Shirts (*Standard Industrial Classification No. 2328.*)—This industry comprises establishments primarily engaged in manufacturing work shirts.

Men's and Boys' Clothing, Not Elsewhere Classified (*Full Standard Classification title and number: Men's, Youths', and Boys' Work, Sport, and Other Clothing, Not Elsewhere Classified, 2329.*)—This industry comprises establishments primarily engaged in manufacturing men's, youths', and boys' work, sport, and other clothing, not elsewhere classified. Important products of this industry include overalls, work pants, industrial garments, washable service apparel, wash suits, oiled-fabric work garments, mackinaws, lumberjackets, blanket-lined coats, ski and snow suits, and hunting and riding garments. Establishments primarily engaged in manufacturing separate trousers are classified in Industry 2327, and leather and sheep-lined garments in Industry 2386. Knitting mills primarily engaged in manufacturing outerwear are classified in Industry 2253.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work ²	Value of products shipped ³
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
2321 Men's dress shirts and nightwear:								
1947	1,065	94,308	\$163,945	88,172	\$137,653	\$292,714	\$438,854	\$731,668
1939	590	75,008	53,686	70,453	44,942	83,727	108,640	102,367
1937	529	71,089	47,362	67,694	41,055	80,179	104,049	184,228
1935	555	64,097	44,336	60,777	38,059	65,716	94,053	159,760
1933	596	57,528	30,196	55,029	28,906	52,713	70,240	122,063
2322 Men's and boys' underwear:								
1947	103	7,269	11,330	6,929	9,847	20,348	29,405	49,763
1939	54	6,901	4,313	6,543	3,728	6,415	10,278	16,693
1937	59	9,718	5,617	9,312	4,836	7,340	13,855	21,195
1935	65	8,019	4,688	7,655	4,021	7,314	11,654	18,968
2323 Men's and boys' neckwear:								
1947	413	10,744	25,367	9,246	18,485	50,708	62,980	113,688
1939	381	11,367	10,955	9,603	7,340	19,795	26,698	46,393
1937	320	n.a.	n.a.	10,958	8,729	20,466	30,306	50,772
2325 Men's and boys' cloth hats and caps:								
1947	313	5,541	12,379	5,063	10,455	20,085	16,850	37,535
1939	270	3,909	3,766	3,383	2,877	5,894	5,711	11,605
1937	258	3,892	3,704	3,490	2,934	5,802	5,028	11,730
1935	315	4,342	4,576	3,796	3,618	7,205	7,052	14,267
1933	299	4,435	3,473	4,053	2,968	6,478	6,181	12,650
1931	379	n.a.	n.a.	3,459	3,662	8,604	8,173	16,867
1929	576	6,715	10,009	5,828	7,694	18,093	16,908	36,961
1927	568	7,314	11,562	6,300	9,126	20,512	20,702	41,214
1925	579	7,571	11,516	6,652	9,243	21,124	22,699	43,823
1923	651	8,623	12,136	7,313	9,594	20,501	22,250	42,811
1921	584	7,396	10,835	6,505	8,701	18,450	18,537	36,987
1919	709	8,821	12,205	7,539	9,439	20,303	24,177	44,840
1914	580	8,145	5,432	7,322	4,808	9,325	9,208	18,893
1909	494	6,921	4,204	6,201	3,421	6,909	6,600	13,689
1904	415	7,012	3,790	6,594	3,354	6,047	6,308	12,955
2326 Hat and cap materials:								
1947	70	1,111	3,002	943	2,100	5,620	6,709	12,329
1939	55	940	1,057	796	743	1,747	2,940	4,687
1937	41	n.a.	n.a.	739	637	1,424	2,718	4,142
2327 Separate trousers:								
1947	976	48,300	93,639	44,939	77,370	163,731	170,463	343,184
1939	659	n.a.	n.a.	31,327	22,201	39,528	43,240	82,768
2328 Work shirts:								
1947	85	12,061	16,609	11,169	13,858	33,212	62,166	95,378
1939	87	14,269	8,476	13,449	7,269	14,263	21,419	35,672
1937	115	n.a.	n.a.	14,824	7,181	11,930	24,081	36,011
2329 Men's and boys' clothing, n.e.c.:								
1947	1,001	74,102	130,050	68,015	105,082	216,898	334,144	551,037
1939	779	n.a.	n.a.	60,704	39,848	77,524	119,961	197,485

n.a.—Not available.

¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.² Figures for years prior to 1935 do not include cost of contract work, except in the case of "Men's dress shirts and nightwear."³ For all years except 1929, value of products made; for 1929, value of products shipped. See GENERAL EXPLANATIONS—Value of products shipped.⁴ The figures for "Men's dress shirts and nightwear" prior to 1933 are not sufficiently comparable with those for later years to be shown in this table because they include data for work shirts and exclude data for men's and boys' nightwear.⁵ "Men's and boys' underwear" was not shown as a separate industry prior to 1935, but was included with the former industry "Furnishing goods, men's, n.e.c."⁶ "Men's and boys' neckwear" was formerly included with the discontinued industry "Furnishing goods, n.e.c." Separate figures are therefore not available prior to 1937.⁷ Coverage of "Men's and boys' cloth hats and caps" was incomplete in 1937.⁸ The figures for "Men's and boys' cloth hats and caps" for 1939 are not sufficiently comparable with those for later years to be shown in this table because they include data for straw hats.⁹ The figures for "Hats and cap materials" prior to 1937 are not sufficiently comparable with those for later years to be shown in this table because they include hatters' fur.¹⁰ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. No comparable figures are available for prior years.¹¹ "Work shirts" was formerly a part of the discontinued industry "Work clothing (including work shirts)." Separate figures prior to 1937 are not available.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947
 [Money figures and man-hours in thousands. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Men's dress shirts and nightwear, total	1,065	94,308	\$163,945	88,172	163,188	\$137,653	\$292,714	\$438,854	\$731,568	\$7,786
New England	70	6,525	12,396	6,104	11,330	10,740	20,308	20,641	40,949	339
Massachusetts	36	3,238	5,808	3,028	5,592	5,091	9,071	13,215	22,286	226
Connecticut	23	2,342	4,700	2,217	4,111	4,238	7,703	4,400	12,103	55
Middle Atlantic	619	43,520	80,608	40,479	75,295	67,299	151,580	275,524	427,104	3,002
New York	362	12,186	26,850	10,725	19,754	19,057	60,782	180,947	241,729	808
New Jersey	55	4,900	9,798	4,581	8,826	8,789	15,954	27,911	43,865	429
Pennsylvania	202	26,434	43,960	25,173	46,715	39,473	74,844	66,666	141,510	1,705
East North Central	40	4,788	9,231	4,323	8,266	7,155	15,177	21,171	36,348	501
Ohio	11	1,935	4,172	1,651	3,135	2,651	6,651	10,286	16,937	298
Indiana	7	1,891	3,397	1,755	3,509	3,000	6,357	8,983	15,340	184
Illinois	14	494	918	471	857	829	1,409	1,839	2,948	12
West North Central	38	4,543	7,010	4,279	7,872	6,087	11,072	15,179	26,251	477
Minnesota	8	389	705	390	726	562	1,184	1,107	2,291	(d)
Missouri	23	3,755	5,709	3,572	6,494	5,089	8,578	12,754	21,332	120
South Atlantic	142	10,215	30,118	18,196	33,479	25,637	54,861	67,157	122,018	2,011
Maryland	37	4,861	8,996	4,465	8,414	6,904	20,594	37,176	57,770	308
Virginia	12	1,322	1,589	1,251	2,345	1,429	2,393	3,252	5,645	206
North Carolina	21	2,475	3,093	2,375	3,973	2,657	5,118	4,308	9,424	183
South Carolina	28	4,780	7,677	4,546	8,369	6,479	12,797	10,055	22,852	615
Georgia	31	4,448	7,125	4,279	7,956	6,552	11,581	10,585	22,176	589
Florida	6	248	300	241	485	267	662	189	851	22
East South Central	44	10,015	13,000	9,603	17,483	11,644	21,215	19,094	40,309	693
Kentucky	6	1,063	1,660	986	1,856	1,385	3,021	4,698	7,719	68
Tennessee	10	2,165	2,698	2,085	3,963	2,324	4,216	6,824	5,140	94
Alabama	15	3,090	4,182	2,981	5,212	3,734	5,972	4,607	10,679	439
Mississippi	13	3,697	4,550	3,551	6,452	4,201	8,006	8,865	16,871	97
West South Central	23	1,823	2,800	1,680	3,015	2,245	4,985	6,759	11,714	173
Texas	17	861	1,400	784	1,529	1,138	2,559	2,411	4,967	63
West	89	3,870	8,692	3,508	6,448	6,887	13,546	13,329	26,875	585
Men's and boys' underwear, total	103	7,269	11,330	6,929	12,326	9,847	20,348	29,405	49,753	396
Northeast	49	2,109	3,730	1,988	3,370	3,097	6,368	7,792	14,160	104
New York	23	690	1,264	644	1,147	1,058	1,841	2,702	4,543	16
Pennsylvania	20	1,264	2,122	1,188	1,913	1,771	3,939	4,822	8,761	83
Other Divisions	54	5,160	7,594	4,941	8,956	6,750	13,980	21,613	35,593	292
Indiana	4	341	493	321	561	445	967	1,705	2,672	12
Maryland	7	342	666	336	690	548	855	15	700	7
Georgia	4	371	440	355	650	413	745	511	1,256	16
Men's and boys' neckwear, total	413	10,744	25,367	9,246	16,942	18,485	50,708	62,980	113,688	495
New England	32	1,031	2,159	920	1,586	1,629	4,294	5,139	9,433	19
Middle Atlantic	281	6,546	16,458	5,724	10,638	12,666	34,461	43,163	77,614	208
New York	234	5,403	14,378	4,681	8,795	10,999	30,731	39,767	70,498	170
New Jersey	20	413	809	388	696	696	1,381	971	2,352	3
Pennsylvania	27	730	1,271	655	1,146	971	2,339	2,425	4,764	35
East North Central	38	997	2,474	817	1,467	1,434	4,425	5,668	10,093	127
Ohio	11	1,190	395	730	1,586	656	2,370	3,142	5,512	116
Illinois	21	363	967	300	535	594	1,631	1,934	3,665	8
West North Central	10	434	1,076	346	647	618	1,903	2,320	4,223	5
Missouri	7	353	942	277	521	529	1,495	2,018	3,513	4
South	20	1,184	1,992	968	1,794	1,326	3,631	4,662	8,203	84
Maryland	14	332	516	272	502	375	1,019	1,234	2,253	16
Mountain	6	189	240	161	297	199	464	164	618	11
Pacific	17	363	959	310	613	613	1,540	1,874	3,414	41
Men's and boys' cloth hats and caps, total	313	5,541	12,379	5,063	9,897	10,455	20,685	16,880	37,535	256
New England	25	214	462	180	343	336	853	577	1,430	6
Massachusetts	20	189	435	160	310	317	792	513	1,305	6
Middle Atlantic	168	2,081	5,690	1,908	3,598	4,919	9,796	7,452	17,248	104
New York	135	1,625	4,690	1,487	2,819	4,097	7,934	6,047	13,981	37
East North Central	52	1,415	2,825	1,292	2,638	2,296	4,397	3,755	8,152	68
Ohio	12	140	251	120	242	196	467	387	804	1
Illinois	26	969	2,037	925	1,887	1,673	3,071	2,649	5,720	58
Wisconsin	7	201	389	182	383	312	641	617	1,258	4
West North Central	36	1,200	2,354	1,198	2,364	2,006	3,695	3,262	6,957	56
Missouri	26	1,122	1,969	1,052	2,065	1,728	3,143	2,853	5,996	51
South	14	297	444	271	552	405	885	923	1,808	9
West	18	244	604	214	402	493	1,059	881	1,940	13
Hat and cap materials, total	70	1,111	3,002	943	1,790	2,100	5,620	6,709	12,329	70
Northeast	63	1,087	2,949	924	1,751	2,070	5,494	6,543	12,037	70
New York	59	925	2,435	779	1,452	1,706	4,580	5,337	9,917	68
Other Divisions	7	24	53	19	39	30	126	166	292	8
Separate trousers, total	976	48,300	93,639	44,939	83,265	77,370	163,731	179,453	343,184	3,401
New England	79	2,711	5,317	2,487	4,608	4,342	8,895	10,687	19,582	273
Massachusetts	57	1,791	3,641	1,622	3,167	2,891	6,361	9,061	15,422	214
Connecticut	13	699	1,154	573	866	1,011	1,698	806	2,564	31
Middle Atlantic	527	20,731	45,241	19,314	35,553	33,371	74,614	79,911	154,525	1,382
New York	350	7,611	20,000	9,920	12,629	15,810	36,698	56,993	93,691	410
New Jersey	42	2,138	4,507	2,036	3,646	3,915	7,419	2,483	9,802	92
Pennsylvania	135	10,982	20,734	10,358	19,278	18,646	30,497	20,435	50,932	880
East North Central	109	5,230	10,166	4,834	9,161	8,324	20,352	22,440	42,792	251
Ohio	25	1,909	3,335	1,866	3,560	2,981	7,724	9,018	16,742	90
Indiana	9	1,170	2,270	1,040	1,893	1,658	4,830	4,645	9,475	48
Illinois	62	1,675	3,642	1,459	2,846	2,956	5,741	5,718	11,459	100
Michigan	8	243	418	212	372	311	1,000	2,189	3,189	6
Wisconsin	5	273	501	257	500	418	1,057	870	1,927	7

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers			Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Man-hours, total	Wages, total				
Separate trousers—Continued	41	3,463	\$6,067	3,195	5,831	\$4,770	\$10,474	\$11,717	\$22,101	\$144
West North Central	6	267	410	256	517	373	1,058	786	1,844	7
Minnesota	27	2,545	4,763	2,316	4,228	3,596	8,165	9,813	17,978	72
Missouri	27	6,228	9,949	5,759	10,446	8,016	17,195	24,317	41,512	306
South Atlantic	67	1,640	3,434	1,618	2,921	2,842	6,323	9,407	15,730	95
Maryland	8	1,355	1,643	1,242	1,685	1,343	2,502	2,746	5,248	60
Virginia	18	2,801	4,274	2,590	4,794	3,424	7,612	11,270	18,832	122
Georgia	28	5,333	7,652	5,094	9,693	6,449	12,132	10,071	22,203	507
East South Central	5	911	1,207	884	1,681	1,110	2,123	211	2,334	160
Kentucky	7	631	1,079	569	1,222	704	1,543	2,580	4,120	202
Alabama	33	2,424	3,698	2,270	4,303	2,896	10,922	9,304	20,316	195
West South Central	22	1,750	2,759	1,635	3,088	2,153	9,437	7,096	17,133	138
Texas	67	2,177	5,549	1,986	3,070	4,202	9,147	10,916	20,063	343
West	59	1,817	4,740	1,665	3,042	3,623	7,770	8,585	10,361	822
California	85	12,061	16,609	11,169	20,429	13,858	33,212	62,166	95,378	633
Work shirts, total ¹	18	1,362	2,270	1,295	2,404	2,032	4,802	7,930	12,732	80
Northeast	6	238	546	465	460	460	1,717	5,072	6,780	4
New York	4	614	994	584	1,185	864	1,831	3,140	4,077	14
East North Central	6	791	1,343	731	1,324	1,079	2,285	3,205	5,400	57
West North Central	57	9,284	12,002	8,559	15,516	9,883	24,204	47,885	72,170	482
South	4	265	280	257	392	260	201	131	422	4
Georgia	19	4,444	6,330	3,864	6,995	4,700	10,905	20,692	37,667	182
Tennessee	1,001	74,102	130,050	68,015	124,338	105,082	216,893	334,144	551,037	4,829
Men's and boys' clothing, n.e.c., total ¹	103	3,940	8,207	3,565	6,516	6,205	13,439	14,694	28,133	187
New England	7	277	415	250	500	375	960	1,100	2,050	13
Maine	78	2,899	6,285	2,611	4,754	4,082	9,678	10,193	19,871	160
Massachusetts	6	197	461	177	333	306	604	460	1,124	3
Connecticut	356	16,526	33,475	15,249	28,615	28,210	53,444	60,690	114,134	945
Middle Atlantic	206	6,501	14,714	5,878	10,946	12,419	24,238	25,899	60,137	448
New York	38	2,248	5,253	2,090	3,996	4,208	8,055	5,070	13,131	125
New Jersey	112	7,777	13,508	7,281	13,673	11,583	21,151	20,715	50,860	372
Pennsylvania	151	10,688	20,991	9,584	17,500	15,341	33,207	62,600	95,807	551
East North Central	27	1,840	3,617	1,547	2,924	2,342	5,915	15,047	20,932	190
Ohio	29	3,915	6,662	3,560	6,658	5,448	10,885	18,000	28,885	162
Indiana	66	2,596	5,270	2,348	4,137	3,805	8,805	15,356	24,251	116
Illinois	24	1,075	1,953	959	1,879	1,092	3,171	5,390	8,587	68
Michigan	15	1,262	2,589	1,131	1,902	1,064	4,341	8,801	13,232	25
Wisconsin	86	8,540	15,779	7,620	14,215	11,853	23,226	46,483	69,709	495
West North Central	17	1,446	3,248	1,261	2,445	2,285	5,276	7,056	12,932	183
Minnesota	19	1,374	2,402	1,200	2,150	1,845	3,671	5,270	8,847	71
Iowa	44	5,290	9,437	4,777	8,890	7,186	13,149	31,735	44,884	228
Missouri	6	430	692	382	730	537	1,230	1,816	3,046	13
Kansas	106	12,839	19,240	11,934	20,834	15,089	35,254	65,590	100,850	989
South Atlantic	23	1,572	2,616	1,438	2,824	2,185	4,781	7,625	12,406	145
Maryland	19	2,906	4,000	2,761	4,388	3,371	8,594	13,088	21,982	179
Virginia	4	541	677	524	777	619	1,840	2,623	3,603	1
West Virginia	15	2,419	4,277	2,228	3,949	3,408	7,203	14,723	21,986	192
North Carolina	34	4,873	6,900	4,506	8,038	5,763	11,451	25,322	36,773	468
Georgia	7	309	499	280	503	381	855	901	1,756	4
Florida	48	8,518	11,549	8,133	13,839	9,806	19,022	29,381	48,403	808
East South Central	6	1,145	1,518	1,108	1,928	1,374	2,440	2,870	6,316	50
Kentucky	26	4,380	5,849	4,176	7,078	4,950	9,363	15,492	24,855	468
Tennessee	6	589	855	559	1,031	705	1,727	2,053	3,780	179
Alabama	10	2,404	3,327	2,295	3,802	2,777	5,492	8,900	14,452	171
Mississippi	65	8,904	13,128	8,266	16,112	10,747	24,261	31,905	56,226	439
West South Central	8	1,221	1,845	1,168	2,336	1,398	2,913	3,086	5,999	24
Arkansas	45	6,772	10,068	6,263	12,281	8,369	19,100	25,522	44,028	367
Texas	6	535	961	493	867	765	1,708	2,806	4,514	26
Mountain	80	3,606	7,620	3,171	5,840	6,166	13,332	19,839	33,171	329
Pacific	65	2,649	5,578	2,298	4,192	4,416	10,000	15,033	25,042	282
California										

^a Withheld to avoid disclosing figures for individual companies.

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Men's dress shirts and nightwear: New England, Maine, 3; New Hampshire, 2; Vermont, 3 (101); Rhode Island, 3; East North Central, Michigan, 3 (121); Wisconsin, 5 (347); West North Central, Iowa, 3; Nebraska, 1; Kansas, 3 (85); South Atlantic, Delaware, 3 (428); West Virginia, 4 (647); West South Central, Arkansas, 2; Louisiana, 2; Oklahoma, 2; West, Colorado, 1; Arizona, 2; Utah, 1; Washington, 1; Oregon, 1; California, 83 (3,270).

Men's and boys' underwear: Northeast, Massachusetts, 1; Connecticut, 2; New Jersey, 3 (37); Other Divisions, Illinois, 3 (320); Michigan, 2; Wisconsin, 2; Minnesota, 1; Missouri, 3 (234); Nebraska, 1; Delaware, 1; Virginia, 2; North Carolina, 4 (240); South Carolina, 5 (162); Florida, 1; Kentucky, 3; Tennessee, 2; Alabama, 4 (238); Mississippi, 1; Texas, 2; California, 2.

Men's and boys' neckwear: New England, Massachusetts, 25 (540); Rhode Island, 1; Connecticut, 6; East North Central, Indiana, 2; Michigan, 3 (74); Wisconsin, 1; West North Central, Minnesota, 1; Iowa, 1; Nebraska, 1; South, North Carolina, 1; South Carolina, 1; Georgia, 2; Kentucky, 3 (77); Arkansas, 1; Louisiana, 4 (666); Texas, 3 (27); Mountain, Colorado, 2; New Mexico, 4; Pacific, Washington, 1; California, 16.

Men's and boys' cloth hats and caps: New England, Maine, 1; Vermont, 1; Rhode Island, 1; Connecticut, 2; Middle Atlantic, New Jersey, 12 (132); Pennsylvania, 21 (324); East North Central, Indiana, 2; Michigan, 5; West North Central, Minnesota, 5; Iowa, 2; Nebraska, 3 (83); South, Maryland, 4 (58); Virginia, 1; South Carolina, 1; Georgia, 1; Kentucky, 3 (75); Tennessee, 1; Alabama, 1; Texas, 2; West, Colorado, 1; California, 17.

Hat and cap materials: Northeast, Connecticut, 1; New Jersey, 1; Pennsylvania, 2; Other Divisions, Illinois, 2; Missouri, 3 (9); Maryland, 1; California, 1.

Separate trousers: New England, Maine, 6 (216); New Hampshire, 2; Vermont, 1; West North Central, Iowa, 1; Nebraska, 5 (259); Kansas, 2; South Atlantic, West Virginia, 1; North Carolina, 1; South Carolina, 3 (176); Florida, 4; East South Central, Tennessee, 9 (1,815); Mississippi, 7 (1,981); West South Central, Arkansas, 1; Louisiana, 10; West, Colorado, 2; Washington, 6.

Work shirts: Northeast, Massachusetts, 1; Pennsylvania, 11; East North Central, Indiana, 3; Illinois, 1; West North Central, Minnesota, 1; Iowa, 1; Missouri, 4; South, Maryland, 7; Virginia, 6 (595); North Carolina, 3 (347); Kentucky, 3 (735); Alabama, 3 (545); Mississippi, 10 (1,478); Louisiana, 1; Texas, 1.

Men's and boys' clothing, n.e.c.: New England, New Hampshire, 3; Vermont, 2; Rhode Island, 7 (269); South Atlantic, Delaware, 2; South Carolina, 2; West South Central, Louisiana, 5 (449); Oklahoma, 7 (462); Mountain, Colorado, 3 (254); Utah, 3 (281); Pacific, Washington, 12 (677); Oregon, 3 (280).

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry							
	Men's dress shirts and nightwear	Men's and boys' underwear	Men's and boys' neckwear	Men's and boys' cloth hats and caps	Hat and cap materials	Separate trousers	Work shirts	Men's and boys' clothing, n.e.c.
ALL ESTABLISHMENTS								
Number of establishments	1,065	103	413	313	70	976	85	1,001
All employees:								
Number (average for the year)	94,308	7,269	10,744	5,541	1,111	48,300	12,061	74,102
Salaries and wages, total	\$163,946	\$11,330	\$25,367	\$12,379	\$3,002	\$93,639	\$16,609	\$130,050
Production and related workers:								
Number (average for the year)	88,172	6,929	9,246	5,063	943	44,939	11,169	68,015
Man-hours, total	163,188	12,326	16,042	9,897	1,790	83,265	20,429	124,338
Wages, total	\$137,653	\$9,847	\$18,485	\$10,455	\$2,100	\$77,370	\$13,858	\$105,052
Value added by manufacture	\$292,714	\$20,348	\$50,708	\$20,685	\$5,620	\$163,731	\$33,212	\$210,893
ESTABLISHMENTS REPORTING DETAILED STATISTICS								
Number of establishments	948	103	413	313	70	840	85	858
All employees:								
Number (average for the year)	92,501	7,269	10,744	5,541	1,111	47,210	12,061	72,286
Salaries and wages, total	\$161,497	\$11,330	\$25,367	\$12,379	\$3,002	\$91,426	\$16,609	\$120,876
Production and related workers:								
Number (average for the year)	86,514	6,929	9,246	5,063	943	43,808	11,169	66,282
Man-hours, total	159,869	12,326	16,042	9,897	1,790	81,170	20,429	120,895
Wages, total	\$135,001	\$9,847	\$18,485	\$10,455	\$2,100	\$75,433	\$13,858	\$102,247
Value added by manufacture	\$288,286	\$20,348	\$50,708	\$20,685	\$5,620	\$160,608	\$33,212	\$212,137
Number of employees for pay period ended nearest Oct. 15:								
All employees:								
Male	96,331	7,306	11,417	5,840	1,110	48,228	12,343	75,735
Female	14,182	950	3,205	2,579	536	13,264	1,539	14,039
Production and related workers:								
Male	82,149	6,356	8,212	3,261	574	34,064	10,804	61,096
Female	90,124	6,943	9,880	5,365	931	44,773	11,445	69,655
Force-account construction workers	10,871	779	2,248	2,315	443	11,239	1,038	10,662
Administrative, supervisory, sales, and all other	79,253	6,164	7,632	3,050	488	33,534	10,387	58,893
Male	51					53	15	46
Female	6,159	363	1,637	475	179	3,402	883	6,034
All employees, number by month:								
January	3,280	171	957	264	83	1,972	466	3,331
February	2,895	192	580	211	86	1,430	417	2,703
March	89,809	7,251	10,747	5,325	1,238	47,817	12,544	74,893
April	91,462	7,322	11,126	5,401	1,208	48,086	12,039	74,938
May	91,593	7,137	11,260	5,453	1,183	48,752	12,548	73,911
June	91,392	7,330	10,743	5,043	1,113	47,303	12,239	71,114
July	90,858	7,249	10,511	5,582	1,064	46,282	11,976	68,672
August	90,114	7,176	10,061	5,555	1,078	45,522	11,712	66,394
September	87,340	6,978	9,249	5,447	1,026	44,583	10,684	65,796
October	90,609	6,877	10,643	5,068	1,072	46,693	11,728	71,101
November	95,877	7,037	10,643	5,705	1,033	47,112	12,142	73,065
December	96,331	7,306	11,417	5,840	1,110	48,223	12,203	75,735
Cost of materials, fuel, electricity, and contract work	\$435,002	\$29,405	\$62,980	\$16,850	\$6,709	\$175,772	\$62,166	\$328,619
Materials, parts, containers, and supplies	338,674	24,639	58,468	16,237	6,650	145,114	52,287	308,150
Fuels, total	645	38	47	28	12	407	78	1,049
Bituminous coal	180	16	20	9	11	115	23	686
Anthracite	136	9	1			40	4	38
Coke			2					7
Fuel oils	178	6	14	3		149	40	177
Gas	94	7	8	14	1	81	9	96
Other fuels	41		2			18	2	45
Purchased electric energy	1,298	104	197	115	29	766	165	1,079
Contract and commission work	95,045	4,574	4,268	470	18	20,485	9,636	18,341
Value of inventories:								
Beginning of year, total	\$101,158	\$4,900	\$14,176	\$5,221	\$1,253	\$39,766	\$12,137	\$95,206
Finished products	29,833	1,805	6,219	n.a.	n.a.	n.a.	5,753	29,612
Materials, supplies, and work in process	71,325	3,101	7,957	n.a.	n.a.	n.a.	6,384	65,594
End of year, total	118,279	6,649	14,429	4,957	1,410	45,873	13,427	92,577
Finished products	47,280	1,990	6,464	n.a.	n.a.	n.a.	6,294	35,805
Materials, supplies, and work in process	71,049	4,659	7,965	n.a.	n.a.	n.a.	7,133	56,772
Expenditures for plant and equipment:								
New plant and equipment	\$7,786	\$398	\$495	\$256	\$70	\$3,401	\$633	\$4,829
Construction and major alteration of fixed plants:								
Buildings	2,192	123	185	62	10	886	156	1,329
Other construction	2,027	110	176	62		855	128	1,236
Machinery and equipment	165	13	19		10	31	28	93
Production machinery and equipment	5,594	273	300	194	60	2,515	477	3,500
Other machinery and equipment	4,694	234	212	162	54	2,089	436	2,888
Used plant and equipment, and land	910	39	88	32	6	426	41	612
Trucks	612	19	29	21	3	412	11	302
Number of highway-type motor vehicles owned or leased:								
Trucks	171	6	9	9	1	62	9	160
By manufacturer's rated capacity:								
Under 1½ tons	58	2	5	8		20	1	70
1½ tons	67	2	2			17	5	56
Over 1½ tons and less than 3½ tons	27	1	2		1	12	3	27
3½ tons and less than 5 tons	11	1				2		5
5 tons and over	8			1		2		2
By body type:								
Van	50	2	1	1		13	2	25
Stake or platform	23			1		8	5	54
Panel or light delivery	77	3	5	4	1	32	2	57
All other trucks	21	1	3	3		9		24
Truck tractors	9			1		1	2	9
Trailers and semitrailers	10			1		1	2	10

n.a.—Not available.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Men's dress shirts and nightwear:											
Number of establishments.....	1,065	186	91	111	205	186	189	73	21	2	
Number of employees (average for the year).....	94,308	378	622	1,542	6,881	13,201	30,088	24,795	10,801	(^d)	
Value added by manufacture.....	\$292,714	\$11,799	\$5,621	\$10,508	\$22,315	\$35,935	\$77,986	\$68,825	\$59,725	(^d)	
Men's and boys' underwear:											
Number of establishments.....	103	13	12	9	28	17	21	1	2		
Number of employees (average for the year).....	7,269	28	78	132	1,011	1,269	4,751	(^d)	(^d)		
Value added by manufacture.....	\$20,348	\$77	\$551	\$333	\$2,359	\$2,987	\$14,041	(^d)	(^d)		
Men's and boys' neckwear:											
Number of establishments.....	413	118	79	82	80	36	14	2	2		
Number of employees (average for the year).....	10,744	268	523	1,167	2,393	2,400	2,169	1,818	(^d)		
Value added by manufacture.....	\$50,798	\$1,418	\$2,022	\$4,954	\$10,617	\$11,022	\$11,221	\$9,454	(^d)		
Men's and boys' cloth hats and caps:											
Number of establishments.....	313	106	66	56	61	17	5	2			
Number of employees (average for the year).....	5,541	234	422	723	1,826	1,131	1,205	(^d)			
Value added by manufacture.....	\$20,685	\$1,004	\$1,570	\$2,777	\$7,171	\$4,017	\$3,240	(^d)			
Hat and cap materials:											
Number of establishments.....	70	28	16	8	12	5	1				
Number of employees (average for the year).....	1,111	66	109	105	387	444	(^d)				
Value added by manufacture.....	\$5,620	\$382	\$727	\$362	\$2,127	\$2,088	(^d)				
Separate trousers:											
Number of establishments.....	976	248	127	114	195	160	100	24	6		
Number of employees (average for the year).....	48,300	535	846	1,584	6,433	10,887	15,354	8,262	4,370		
Value added by manufacture.....	\$163,731	\$5,085	\$5,181	\$6,130	\$29,255	\$33,385	\$47,905	\$24,003	\$11,797		
Work shirts:											
Number of establishments.....	85	4	1	4	17	14	30	13	2		
Number of employees (average for the year).....	12,061	6	(^d)	68	583	1,043	4,809	5,558	(^d)		
Value added by manufacture.....	\$33,212	\$590	(^d)	\$168	\$1,273	\$2,246	\$12,780	\$16,155	(^d)		
Men's and boys' clothing, n.e.c.:											
Number of establishments.....	1,001	121	116	131	243	160	157	53	14		
Number of employees (average for the year).....	74,102	267	777	1,849	7,662	12,014	24,484	18,252	8,797		
Value added by manufacture.....	\$216,893	\$1,821	\$3,792	\$5,414	\$23,919	\$34,617	\$73,046	\$49,841	\$23,843		

NOTE: In the smaller size groups value added figures in relation to employment may be affected by working members of the firm who are not counted in total employment. In many apparel industries the inclusion of firms which have a large part of their manufacturing work done on contract also distort the ratio. Finally, some small errors in reporting have distorted the relationship in a few instances.

- ¹ Includes 24 establishments with no employees accounting for \$7,302,000 value added.
² Includes 4 establishments with no employees accounting for a small amount of value added.
³ Includes 1 establishment with no employees accounting for a small amount of value added.
⁴ Includes 13 establishments with no employees accounting for \$353,000 value added.
⁵ Includes 3 establishments with no employees accounting for a small amount of value added.
⁶ Includes 9 establishments with no employees accounting for \$351,000 value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

MEN'S DRESS SHIRTS AND NIGHTWEAR INDUSTRY	Shipped by—			MEN'S AND BOYS' UNDERWEAR INDUSTRY	Shipped by—		
	Men's dress shirts and nightwear industry	Other industries	All industries		Men's and boys' underwear industry	Other industries	All industries
Total shipments by the industry.....	\$731,568			Total shipments by the industry.....	\$49,753		
A. Men's, youths', and boys' shirts (except work shirts) and nightwear.....	584,001	\$36,532	\$620,533	A. Primary products.....	40,632	\$151,577	\$192,209
B. Secondary products.....	51,182			Men's and boys' underwear (woven fabric).....	35,477	12,207	47,684
Other men's, youths', and boys' clothing, not elsewhere classified (except knit).....	11,205			Men's and boys' underwear, knitted or from knit materials.....	4,047	130,370	143,417
Men's, youths', and boys' underwear (woven fabric).....	11,135			Other men's and boys' underwear, not specified by kind.....	1,108		1,108
Men's, youths', and boys' separate trousers.....	6,631			B. Secondary products.....	2,281		
Other secondary products.....	22,181			C. Miscellaneous receipts.....	6,840		
C. Miscellaneous receipts.....	96,385			Contract and commission work.....	6,511		
Contract and commission work.....	95,797			Scrap and salable refuse.....	329		
Scrap and salable refuse.....	428						
Nonmanufacturing activities.....	160						

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947
—Continued

MEN'S AND BOYS' NECKWEAR INDUSTRY	Shipped by—			WORK SHIRTS INDUSTRY	Shipped by—		
	Men's and boys' neckwear industry	Other industries	All industries		Work shirts industry	Other industries	All industries
Total shipments by the industry	\$113,688			Total shipments by the industry	\$95,378		
A. Men's, youths', and boys' neckwear.....	105,596	\$7,952	\$113,547	A. Work shirts.....	65,933	\$32,550	\$98,483
B. Secondary products.....	2,787			B. Secondary products.....	19,160		
Men's shirts.....	1,252			Other men's, youths', and boys' clothing, n.e.c.....	9,839		
Other secondary products.....	1,535			Other products.....	9,321		
C. Miscellaneous receipts.....	5,306			C. Miscellaneous receipts.....	10,285		
				Contract and commission work.....	10,167		
				Scrap and salable refuse.....	118		

MEN'S AND BOYS' CLOTH HATS AND CAPS INDUSTRY	Shipped by—			MEN'S AND BOYS' CLOTHING, N. E. C., INDUSTRY	Shipped by—		
	Men's and boys' cloth hats and caps industry	Other industries	All industries		Men's and boys' clothing, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$37,535			Total shipments by the industry	\$551,037		
A. Men's, youths', and boys' cloth hats and caps.....	33,826	\$3,141	\$36,767	A. Men's, youths', and boys' work, sport, and other clothing, not elsewhere classified.....	416,134	\$69,754	\$485,888
B. Secondary products.....	1,522			Men's washable service apparel.....	25,923	4,236	30,159
C. Miscellaneous receipts.....	2,387			Other men's, youths', and boys' clothing, not elsewhere classified (except knit).....	366,166	60,925	427,081
Contract and commission work.....	2,179			Men's, youths', and boys' clothing, not elsewhere classified, not specified by kind.....	24,055	4,593	28,648
Other miscellaneous receipts.....	208			B. Secondary products.....	98,536		

HAT AND CAP MATERIALS INDUSTRY	Shipped by—			SEPARATE TROUSERS INDUSTRY	Shipped by—		
	Hat and cap materials industry	Other industries	All industries		Separate trousers industry	Other industries	All industries
Total shipments by the industry	\$12,329			Total shipments by the industry	\$343,184		
A. Hat and cap materials.....	11,528	\$161	\$11,679	A. Men's, youths', and boys' separate trousers.....	230,442	\$97,512	\$327,954
B. Secondary products and scrap and salable refuse.....	321			B. Secondary products.....	42,754		
C. Miscellaneous receipts.....	480			Other men's and boys' clothing, n.e.c.....	15,310		
Contract and commission work.....	480			Men's, youths', and boys' suits and separate coats.....	14,720		

MEN'S AND BOYS' CLOTHING, N. E. C., INDUSTRY	Shipped by—		
	Men's and boys' clothing, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$551,037		
A. Men's, youths', and boys' work, sport, and other clothing, not elsewhere classified.....	416,134	\$69,754	\$485,888
Men's washable service apparel.....	25,923	4,236	30,159
Other men's, youths', and boys' clothing, not elsewhere classified (except knit).....	366,166	60,925	427,081
Men's, youths', and boys' clothing, not elsewhere classified, not specified by kind.....	24,055	4,593	28,648
B. Secondary products.....	98,536		
Sweaters, jackets, jerseys, pullovers, and sacques, knitted or from knit materials.....	2,839		
Outerwear shirts knitted or from knit materials.....	6,273		
Men's, youths', and boys' suits and separate coats.....	4,111		
Men's, youths', and boys' overcoats and topcoats.....	1,505		
Men's, youths', and boys' shirts (except work shirts) and nightwear, made from woven fabrics.....	10,628		
Men's, youths', and boys' separate trousers.....	16,600		
Men's and boys' work shirts.....	27,943		
Women's aprons, uniforms, and other washable service apparel.....	2,787		
Women's and misses' work and sport clothing, slacks, and woven bathing suits.....	5,748		
Children's and infants' clothing (except dresses and coats).....	3,643		
Raincoats and other waterproof outer garments.....	2,201		
Leather and sheep-lined clothing.....	5,683		
Other secondary products.....	8,595		
C. Miscellaneous receipts.....	36,367		
Contract and commission work.....	35,223		
Scrap and salable refuse.....	1,144		

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939
[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	15,362	\$136,220
Boys'.....	1,217	21,262		
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	2,662	23,953
Men's.....	2,116	68,549		
Boys'.....	474	10,614		n.a.
Shirts and pajama products, not specified by type.....		14,425		
Work shirts, including civilian uniform shirts, total	5,815	98,483	6,850	43,105
Men's.....	4,959	86,763		
Boys'.....	856	11,720		

See footnotes at end of table.

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939—Continued

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' underwear, total	7,169	\$192,209	n.a.	n.a.
Men's, youths', and boys' underwear (woven fabric).....	47,084	47,084	n.a.	n.a.
Men's shorts.....	6,161	30,350	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.	n.a.
Men's, youths', and boys' work, sport, and other clothing, not elsewhere classified, total	1,634	485,888	n.a.	n.a.
Men's washable service apparel, medical, hospital, professional, barber, baker, etc.....		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	92,340	5,081	51,380
Boys'.....	605	12,096		
Dungarees or waistband overalls:				
Men's.....	1,809	42,009	3,073	30,085
Boys'.....	1,440	25,074		
Bib overalls:				
Men's.....	2,372	70,859	424	3,048
Boys'.....	1,126	21,408		
Overall and work jackets, men's and boys'.....	308	11,308	285	4,833
One-piece work suits, men's and boys'.....	437	10,717		
Jackets and other heavy outerwear, men's and boys' (except leather):				
Blanket-lined.....	230	10,400	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	n.a.	n.a.
Other than wool.....	696	42,873		
Oiled fabric garments, men's and boys'.....	86	3,529		
Bathing suits and trunks, including woven athletic shorts:				
Men's.....	908	14,726	670	6,457
Boys'.....	121	2,153		
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	13,755	\$64,078
Men's, rayon or principally rayon.....	10,481	49,311		
Men's, cotton or principally cotton.....	5,020	19,088		
Students', wool (25 percent or more animal fibers) (sizes 25-32).....	1,840	8,983	(?)	
Students', rayon or principally rayon (sizes 25-32).....	763	3,106		
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	n.a.	15,767
Cadets', rayon or principally rayon (sizes 21-26).....	131	425		
Cadets', cotton or principally cotton (sizes 21-26).....	425	1,105		
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 ¹ :				
Military.....	1,793	13,088	n.a.	n.a.
Nonmilitary.....	288	2,271		
Other trousers, not specified as to type.....	1,505	11,717		
	n.a.	10,080		

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	9,005
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.....		11,079		4,565
Men's, youths', and boys' neckwear, total		113,547		47,119
Neckties.....		111,217	12,506	45,039
Miscellaneous neckwear.....	12,351	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

This report shows 1947 Census of Manufactures statistics for establishments primarily engaged in the production of women's and misses' outerwear garments from textile fabrics of all types. These establishments have been classified in six industries described separately below. There are, however, a few generalizations which particularly apply to these industries.

Number of Garments Cut.—In the 1939 Census of Manufactures and previous censuses, the basis for determining the number of garments produced was the number stitched. Cuttings have been used in the 1947 census because there is less likely to be duplication in cutting figures than in stitching figures. A garment may be stitched in more than one plant, but it is almost universally true that all pieces of a garment are cut at one time and in the same factory. Furthermore, the individual manufacturers usually maintain cutting records while they may or may not keep stitching records. For these reasons cuttings have been used as the method of measuring production in the Census Bureau's "Facts for Industry" series on apparel.

In comparison with 1939 figures, value for garments or class of garments by State may be somewhat affected by the change to a cutting basis. In ascribing the value to the place where the garment is cut, a closer relationship is maintained between the value of product and the State in which the garment is merchandized. As more workers are involved in the stitching process, previous censuses tended to place the value of product where the greatest number of production workers were employed.

Inside and Contract Operations.—There are two over-all types of operation in the apparel industries; both of these types, however, have many variations. The first major type is the inside shop. In this type of operation, the establishment owning the materials cuts the fabric and stitches the garments in its own shop. In the contract operation, the establishment owning the materials cuts the garment and then sends out the pieces for stitching in another establishment. The establishment owning the materials reports the costs of stitching as "Cost of Contract and Commission Work" while the contractor reports his earnings as "Contract Receipts." In the tables, figures for inside and contracting establishments have been combined. In some cases, payments between cutting and stitching plants of the same firm have been treated as contract work. This somewhat inflates the amount of contract payments and receipts

as they are usually described in the trade, which considers contractors as independently owned establishments. Also included are a few establishments which hire no production workers but which sell garments made from their own materials although entirely processed by establishments owned by others; technically, these are not manufacturing establishments, but it was necessary to include them in order to have complete figures on "Cost of Materials" and "Value of Products." Such establishments were also included in earlier years.

Value Added in the Apparel Industries.—Starting with the 1937 Census of Manufactures and through the present census, "Cost of Contract and Commission Work" has been subtracted from the "Value of Product" as one of the elements of "Cost of Materials, Supplies, Etc.," in the determining of "Value Added" (for a definition of this term see GENERAL EXPLANATIONS). In the 1935 Census of Manufactures "Cost of Contract Work" was subtracted only if it equalled 10 percent or more of the "Cost of Materials, Supplies, Etc.;" prior to that "Cost of Contract Work" was not subtracted in determining the "Value Added" figure. The "Value Added" figures presented in this volume for earlier years have all been adjusted, however, to eliminate this duplication wherever "Contract Costs" figures were available.

Number of Establishments.—It is believed that the statistics presented for these industries in this census constitute almost complete coverage of the activities of the industries in 1947. It is not possible to determine how much of the increase in number of establishments from the 1939 Census of Manufactures to the current census represents growth and how much represents better coverage in 1947. Undoubtedly, both growth and increased coverage are reflected in the figures.

Man-hour Figures.—Man-hour figures, which are generally included in the detailed report for other industries, are not shown in this report. The average establishment in these industries is small and typically maintains a minimum set of records. Furthermore, these industries employ workers largely on a piece-work basis. It is believed, therefore, that the reporting of figures on man-hours worked was based on estimates in a much larger proportion of cases than in most other industries. Man-hour figures for these industries are included in tables in the State and summary census volumes to facilitate man-hour comparisons among regions and among industries.

In 1939, figures on certain women's outerwear garments, such as blouses and ski and snow suits, were collected as women's and children's garments combined and where it was not possible to distinguish whether the establishment was primarily making women's or children's wear, the establishment was classified in the appropriate women's outerwear industry. On the 1947 Census of Manufactures schedule, it was possible to classify such firms by their primary garment with the result that certain of the firms classified in Women's Outerwear Industries in 1939 are classified in Children's Outerwear Industries 2361, 2363, and 2369 in this census. It was not possible to correct 1939 tabulations for these differences.

Production and shipment data covering this group of industries for 1947 on a quarterly basis have been collected and published in the Facts for Industry releases "Women's, Misses', and Juniors' Outerwear." Fabric and price-line statistics, while not shown in the census report, are shown in the Facts for Industry releases. The quarterly release is restricted, however, to production of garments by establishments classified in this industry. That portion of the women's outerwear which is made by establishments primarily engaged in manufacturing men's wear is shown currently in the Facts for Industry Series "Men's and Boys' Clothing and Cotton and Allied Garments."

Blouses and Waists (*Standard Industrial Classification No. 2331.*)—This industry comprises establishments engaged primarily in the manufacture of women's and misses' blouses, waists, and shirts from fabrics of all types.

Dresses, Unit Price (*Full Standard Industrial Classification title and number: Women's and misses' dresses, 2333.*)—This industry comprises establishments primarily engaged in manufacturing women's and misses' dresses and ensemble dresses. The garments manufactured by establishments classified in this industry are sold by the unit. Establishments primarily engaged in manufacturing aprons, smocks, hoovers, and dresses sold by the dozen, are classified in Industry 2334. In 1939, establishments primarily manufacturing dresses of all fabrics to retail at \$2 and over were classified in this industry regardless of whether they were sold by the unit or dozen, whereas manufacturers primarily manufacturing dresses to retail at under \$2 were classified in the Dozen Price Dress Industry (see paragraph below). Manufacturers wholesaling dresses to sell at \$2 and over retail in 1939 generally sold by the unit, but some dozen price manufacturers were also included in this industry. Certain relatively high-priced dozen price manufacturers classified in this industry in 1939 are now classified in the Dozen Price Dress Industry. The 1939 figures for this industry are accordingly overstated to a minor extent,

whereas the figures for the Dozen Price Dress Industry are correspondingly understated by these transfers.

Dresses, Dozen Price (*Full Standard Industrial Classification title and number: Household Apparel, 2334.*)—This industry comprises establishments primarily engaged in manufacturing women's and misses' dozen price dresses and household apparel, chiefly of washable fabrics. (See description of Industry above, "Dresses, unit price.")

Women's Suits and Coats (*Part of Standard Industrial Classification title and number: Women's and Misses' Suits, Coats (Except Fur Coats), and Skirts, 2337.*)—This subindustry comprises establishments primarily engaged in the manufacture of women's and misses' suits, ensemble suits, and coats, other than fur. Establishments primarily engaged in manufacturing fur garments are classified in Industry 2371, and knitting mills primarily engaged in manufacturing outerwear in Industry 2253.

Women's Skirts (*Part of Standard Industrial Classification title and number: Women's and Misses' Suits, Coats (Except Fur Coats), and Skirts, 2337.*)—This subindustry comprises establishments primarily engaged in the manufacture of women's and misses' skirts from all fabrics.

Women's Neckwear and Scarfs (*Full Standard Industrial Classification title and number: Women's Neckwear and Scarfs, 2338.*)—This industry comprises establishments primarily engaged in manufacturing women's neckwear and scarfs, cut and sewed from purchased woven or knit fabrics. Knitting mills primarily engaged in manufacturing neckwear or scarfs are classified in Industry 2253.

Women's Outerwear, Not Elsewhere Classified (*Standard Industrial Classification No. 2339.*)—This industry comprises establishments primarily engaged in manufacturing women's and misses' outerwear, not elsewhere classified, such as bathing suits, beachwear, slacks, riding habits, and ski suits cut and sewed from purchased woven or knit fabric. Knitting mills primarily engaged in manufacturing outerwear are classified in Industry 2253.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS

[Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year) ⁴	Salaries and wages, total ⁵	Number (average for the year) ⁶	Wages, total ⁷			
2331 Blouses and waists:								
1947	1,361	32,757	\$67,473	29,946	\$54,163	\$123,640	\$152,044	\$276,284
1939	302	10,950	10,164	9,673	7,392	10,853	24,878	41,731
1937	192	6,983	6,146	6,404	5,011	12,300	10,020	20,220
1935 ³	224	6,971	6,294	6,372	5,140	11,241	17,678	28,819
2333 Dresses, unit price:								
1947	4,202	133,294	370,854	118,276	294,847	609,576	743,492	1,353,068
1939	2,916	119,451	143,810	103,738	108,401	218,331	287,930	606,261
1937	2,422	100,281	117,525	92,091	96,933	200,477	261,099	461,570
2334 Dresses, dozen price:								
1947	917	48,692	90,494	43,867	68,658	163,052	197,402	350,454
1939	742	42,618	31,269	38,794	24,006	48,525	65,173	113,098
1937	482	34,287	23,162	32,289	19,368	41,172	55,962	97,134
2335 Women's suits and coats:								
1947	2,477	74,300	261,425	65,397	211,245	438,145	595,610	1,003,755
1939 ³	1,753	n.a.	n.a.	41,032	52,448	108,006	181,095	289,101
2336 Women's skirts:								
1947	493	8,312	21,270	7,434	16,841	38,484	47,427	85,911
1939 ³	213	n.a.	n.a.	4,421	3,969	9,352	15,545	24,897
2337 Women's suits and coats and women's skirts total:⁸								
1947	2,970	82,618	282,695	72,831	228,088	476,629	613,037	1,080,666
1939	1,966	52,468	72,628	45,453	56,417	117,358	196,640	313,998
1937	1,767	44,707	63,681	39,613	51,712	117,506	203,714	321,220
1935	1,703	37,816	53,538	33,237	43,085	93,167	162,268	255,435

See footnotes at end of table.

TABLE 1.—GENERAL STATISTICS FOR THE UNITED STATES: 1947 AND EARLIER CENSUS YEARS—Continued

INDUSTRY AND CENSUS YEAR	Number of establishments	All employees		Production and related workers		Value added by manufacture ¹	Cost of materials, fuel, electricity, and contract work	Value of products shipped ²
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total			
Women's neckwear and scarfs:								
1947	166	2,754	\$6,963	2,181	\$3,829	\$16,850	\$34,211	\$51,061
1939	107	2,398	2,681	1,931	1,078	4,748	7,200	11,948
1937 ⁶	80	n.a.	n.a.	2,206	1,744	4,385	6,636	11,021
Women's outerwear, n.e.c.:								
1947	460	13,287	27,861	11,928	21,756	48,144	52,426	100,570
1939	306	n.a.	n.a.	9,306	7,375	15,693	21,349	37,242
1937 ⁶	197	n.a.	n.a.	5,014	4,422	10,450	16,452	26,902

n.a.—Not available.
¹ Value of products less cost of materials, supplies, fuel, electricity, and contract work. See GENERAL EXPLANATIONS—Value added by manufacture.
² The figures for all years represent value of products made. See GENERAL EXPLANATIONS—Value of products shipped.
³ "Blouses and waists" was not shown as a separate industry prior to 1935, but was included with the industry formerly designated "Clothing, women's, n.e.c."
⁴ Prior to 1937, "Dresses, unit price" and "Dresses, dozen price" were not shown as separate industries, but were combined in the two classifications, "Dresses—regular factories" and "Dresses—contract factories."
⁵ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. "Women's suits and coats" and "Women's skirts" formerly constituted a single classification. The separate industry figures shown for 1947 and 1939 have been combined in order that statistics can also be shown for 1935 and 1937. No comparable figures are available for prior years.
⁶ "Women's neckwear and scarfs" and "Women's outerwear, n.e.c.," were not shown as separate industries prior to 1937, but were included with the industries formerly designated "Clothing, n.e.c.—regular factories" and "Clothing, n.e.c.—contract factories."
⁷ The returns for 1939 have been retabulated to provide figures comparable with those for 1947. Value added for 1939, before retabulation and on a basis comparable with 1937, was \$17,135,000.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947
 [Money figures in thousands of dollars. For explanation of column captions see GENERAL EXPLANATIONS]

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers		Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
Blouses and waists, total¹	1,361	32,757	\$67,473	29,946	\$54,166	\$123,640	\$152,644	\$276,284	\$2,150
New England	50	1,350	2,523	1,264	2,148	5,337	3,719	9,056	35
Massachusetts	40	872	1,627	811	1,392	3,468	3,488	6,956	28
Connecticut	10	487	896	453	756	1,860	231	2,100	7
Middle Atlantic	1,076	25,660	52,802	23,363	42,183	97,440	128,846	226,295	1,397
New York	843	15,638	35,474	13,884	26,844	67,921	113,607	181,528	882
New Jersey	74	2,500	4,875	2,375	4,369	7,524	3,295	10,819	139
Pennsylvania	159	7,422	12,453	7,104	10,970	22,004	11,944	33,948	376
North Central	60	1,752	3,464	1,612	2,864	5,620	4,423	10,043	151
Illinois	34	1,053	2,101	937	1,763	3,458	2,515	5,973	98
Michigan	8	222	495	204	453	973	693	1,666	12
Missouri	8	233	376	218	297	470	624	1,094	6
South Atlantic	17	567	1,076	500	773	1,920	1,719	3,639	59
West South Central	18	318	446	300	399	752	634	1,386	32
West	140	3,201	7,162	2,907	5,799	12,562	13,103	25,665	477
California	130	3,046	6,805	2,759	5,515	11,906	12,498	24,404	468
Dresses, unit price, total¹	4,202	133,294	370,854	118,276	294,847	609,576	743,492	1,353,068	5,156
New England	198	9,440	20,024	8,810	17,171	30,787	21,512	52,299	444
Massachusetts	133	5,991	13,197	5,497	10,802	20,222	16,500	38,812	209
Rhode Island	10	423	685	408	637	809	144	953	2
Connecticut	52	2,895	5,974	2,785	5,529	9,572	2,774	12,346	141
Middle Atlantic	3,449	98,105	280,110	86,401	228,081	468,736	625,582	1,094,318	2,964
New York	2,402	78,192	252,417	67,405	195,690	417,804	608,167	1,025,961	2,259
New Jersey	244	8,061	17,595	8,340	16,332	24,165	5,745	29,910	343
Pennsylvania	203	11,312	19,098	10,716	16,959	20,767	11,680	38,447	362
East North Central	109	10,355	20,182	9,303	20,873	50,433	47,479	97,912	375
Ohio	21	1,178	2,721	1,024	2,074	6,043	9,589	15,632	41
Illinois	105	7,474	20,188	6,703	15,999	33,147	33,061	60,208	251
West North Central	100	5,397	11,806	4,710	9,093	20,262	15,715	35,977	413
Minnesota	12	741	1,435	666	1,177	2,207	1,630	3,837	34
Missouri	88	4,656	10,461	4,044	7,916	18,055	14,085	32,140	379
South Atlantic	42	1,098	3,550	1,851	2,734	6,111	5,766	11,877	215
Maryland	5	517	1,337	465	877	2,088	2,033	4,121	12
South Carolina	4	405	518	383	478	1,415	1,375	2,790	52
Georgia	10	452	691	425	569	1,099	1,110	2,209	21
Florida	16	192	343	180	301	677	643	1,220	22
East South Central	10	499	868	467	692	1,391	1,930	3,321	49
West South Central	23	1,554	3,065	1,330	2,096	6,142	5,498	11,640	69
West	181	5,886	16,159	5,339	13,207	25,714	20,010	45,724	627
California	176	5,630	15,706	5,106	12,843	24,738	19,237	43,975	593
Dresses, dozen price, total¹	917	48,692	90,494	43,867	68,658	153,052	197,402	350,454	4,820
New England	81	3,706	6,524	3,428	5,343	12,257	16,108	27,365	174
Massachusetts	58	2,794	5,115	2,550	4,035	9,559	12,604	22,163	87
Connecticut	11	222	352	211	323	480	56	636	8
Middle Atlantic	473	15,415	20,007	14,110	23,183	52,097	76,298	128,395	1,039
New York	282	6,117	13,886	5,301	9,859	25,471	44,162	69,623	1,483
New Jersey	65	2,173	4,528	2,013	3,593	7,099	11,403	18,502	129
Pennsylvania	126	7,125	11,493	6,796	9,731	19,527	20,743	40,270	317
East North Central	173	15,431	29,495	13,603	20,772	47,433	57,760	105,193	1,328
Ohio	13	3,016	5,227	2,944	5,588	12,623	16,678	29,201	657
Indiana	41	1,002	1,733	1,009	1,423	3,788	4,066	7,854	21
Illinois	95	8,315	15,301	7,552	10,750	22,240	27,328	49,568	518
Michigan	9	677	901	507	640	1,608	987	2,495	29
Wisconsin	15	1,831	3,333	1,591	2,371	7,374	8,701	16,075	223

See footnotes at end of table.

TABLE 2.—GENERAL STATISTICS BY DIVISIONS AND STATES: 1947—Continued

INDUSTRY, DIVISION, AND STATE	Number of establishments	All employees		Production and related workers		Value added by manufacture	Cost of materials, fuel, electricity, and contract work	Value of products shipped	Expenditures for new plant and equipment
		Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total				
Dresses, dozen price—Continued									
West North Central.....	57	5,710	\$10,974	4,940	\$8,422	\$19,899	\$25,544	\$45,443	\$775
Minnesota.....	10	443	714	309	571	1,373	1,182	2,555	0
Missouri.....	38	4,543	9,303	3,861	7,007	17,075	23,403	40,478	644
Kansas.....	6	299	381	285	348	730	763	1,403	38
South Atlantic.....	49	4,516	6,752	4,199	5,709	10,840	10,130	20,070	190
Maryland.....	13	680	1,172	600	860	1,804	1,780	3,584	23
Virginia.....	9	1,244	1,765	1,175	1,529	2,240	3,406	5,046	70
East South Central.....	13	1,120	1,639	1,058	1,365	2,151	3,461	5,012	167
Tennessee.....	6	696	988	654	865	1,237	1,070	2,307	63
West South Central.....	18	1,497	2,371	1,371	1,775	3,002	4,010	7,012	92
West.....	53	1,297	2,932	1,149	2,089	4,773	5,001	9,864	155
California.....	30	964	2,374	846	1,682	3,703	4,053	7,810	137
Women's suits and coats, total¹	2,477	74,306	261,425	65,397	211,245	438,145	565,610	1,093,755	4,626
New England.....	134	3,921	9,529	3,580	8,220	16,584	18,772	35,350	159
Massachusetts.....	106	2,149	5,291	1,952	4,386	9,672	10,719	20,291	102
Middle Atlantic.....	1,902	51,237	194,545	44,778	157,620	328,477	460,270	778,756	2,473
New York.....	1,678	49,588	166,346	34,611	132,131	287,006	428,636	715,732	1,725
New Jersey.....	192	8,392	21,786	8,043	20,100	30,708	33,353	44,121	674
Pennsylvania.....	32	2,257	6,413	2,124	5,389	10,613	8,200	18,903	74
East North Central.....	132	5,545	10,650	4,925	15,167	29,244	30,340	59,584	315
Ohio.....	29	2,348	8,243	2,104	6,241	12,476	11,558	24,034	123
Illinois.....	93	2,944	10,494	2,583	8,215	15,313	17,303	32,616	182
West North Central.....	46	2,875	7,724	2,441	5,161	13,506	13,483	27,070	410
Minnesota.....	8	435	1,329	372	872	1,797	2,185	3,982	20
Missouri.....	32	2,228	6,087	1,894	4,066	11,195	10,746	21,941	374
South Atlantic.....	28	1,697	4,156	1,417	3,174	6,458	9,505	15,063	141
Maryland.....	16	983	3,004	834	2,133	4,839	8,339	13,175	72
Florida.....	6	82	278	77	257	503	542	1,045	1
East South Central.....	3	697	1,313	672	1,146	2,651	3,167	5,818	234
Kentucky.....	3	697	1,313	672	1,146	2,651	3,167	5,818	234
West South Central.....	10	1,657	2,621	1,458	1,806	3,923	3,330	7,253	26
Texas.....	10	1,657	2,621	1,458	1,806	3,923	3,330	7,253	26
Mountain.....	6	200	266	185	228	447	471	918	27
Utah.....	6	200	266	185	228	447	471	918	27
Pacific.....	216	6,677	21,721	5,941	18,723	36,765	39,263	73,028	835
Oregon.....	8	282	711	250	516	1,304	1,344	2,738	3
California.....	203	6,318	20,787	5,621	18,025	35,003	34,539	69,542	828
Women's skirts, total¹	493	8,312	21,270	7,434	16,841	38,484	47,427	85,911	379
New England.....	60	1,065	2,815	908	1,973	4,442	8,008	14,510	39
Middle Atlantic.....	372	5,772	15,065	5,167	12,027	26,188	34,410	60,598	268
New York.....	344	5,354	14,320	4,766	11,349	24,780	33,403	58,252	220
New Jersey.....	20	248	461	242	441	763	100	652	28
Pennsylvania.....	8	170	284	159	237	440	748	1,394	10
Other Divisions.....	61	1,475	3,390	1,359	2,841	5,854	4,940	10,803	82
Ohio.....	3	93	129	92	128	181	1	182	-----
Women's neckwear and scarfs, total¹	166	2,754	6,963	2,181	3,829	16,850	34,211	51,061	88
Northeast.....	158	2,542	6,574	2,061	3,669	16,160	33,797	49,067	84
New York.....	147	2,352	6,234	1,888	3,370	15,501	33,259	48,760	78
Other Divisions.....	8	212	389	120	160	690	414	1,104	4
Women's outerwear, n.e.c., total¹	469	13,287	27,861	11,928	21,756	48,144	52,426	100,570	1,388
Northeast.....	321	7,874	17,022	7,062	12,975	28,588	34,515	63,103	620
Massachusetts.....	35	640	1,269	589	1,052	1,973	1,500	3,572	35
Connecticut.....	5	151	250	145	217	293	19	312	13
New York.....	217	4,348	10,802	3,803	7,701	10,072	28,320	47,392	410
Pennsylvania.....	35	1,931	3,057	1,793	2,694	4,654	2,250	6,913	149
East North Central.....	19	901	1,739	855	1,300	2,959	4,424	7,383	87
Illinois.....	11	520	965	422	680	1,781	2,217	3,908	52
West North Central.....	17	510	964	442	686	1,767	1,775	3,542	12
South.....	16	971	1,459	618	1,238	2,782	1,805	4,677	157
Florida.....	6	105	211	88	133	378	270	648	(^a)
Mountain.....	5	96	143	85	127	261	454	715	2
Pacific.....	91	2,845	6,534	2,566	5,430	11,787	9,363	21,150	504
California.....	86	2,682	6,255	2,413	5,175	10,711	8,801	19,572	400

^a Withheld to avoid disclosing figures for individual companies.

¹ For each producing State not shown separately in the table (see GENERAL EXPLANATIONS "Disclosure of Data for Individual Companies"), there are shown below the number of establishments and, in parentheses, the number of employees for States represented by three or more companies, when possible.

Blouses and waists: *North Central*, Ohio, 5 (106); Indiana, 1; Wisconsin, 1; Minnesota, 2; Nebraska, 1; *South Atlantic*, Delaware, 3 (74); Maryland, 7 (274); West Virginia, 1; North Carolina, 2; Georgia, 3 (130); Florida, 1; *West South Central*, Arkansas, 1; Oklahoma, 1; Texas, 16; *West*, Colorado, 1; Arizona, 2; Utah, 2; Washington, 4 (102); Oregon, 1.

Dresses, unit price: *New England*, Maine, 1; New Hampshire, 1; Vermont, 1; *East North Central*, Indiana, 4 (954); Michigan, 3 (113); Wisconsin, 6 (630); *South Atlantic*, Delaware, 2; Virginia, 1; West Virginia, 1; North Carolina, 3 (143); *East South Central*, Kentucky, 3; Tennessee, 5 (209); Alabama, 2; *West South Central*, Oklahoma, 1; Texas, 22; *West*, Utah, 1; Washington, 4.

Dresses, dozen price: *New England*, Maine, 1; New Hampshire, 4; Vermont, 3 (492); Rhode Island, 4 (103); *West North Central*, Iowa, 2; Nebraska, 1; *South Atlantic*, Delaware, 2; District of Columbia, 1; West Virginia, 6 (142); North Carolina, 3 (109); South Carolina, 5 (563); Georgia, 5 (304); Florida, 5 (95); *East South Central*, Kentucky, 2; Alabama, 3 (132); Mississippi, 2; *West South Central*, Arkansas, 2; Oklahoma, 3; Texas, 13 (1,120); *West*, Colorado, 2; Utah, 2; Washington, 8 (153); Oregon, 2.

Women's suits and coats: *New England*, Rhode Island, 3 (64); Connecticut, 25 (1,708); *East North Central*, Michigan, 8; Wisconsin, 2; *West North Central*, Iowa, 2; Kansas, 4; *South Atlantic*, Virginia, 3; North Carolina, 1; South Carolina, 2; *Pacific*, Washington, 5 (77).

Women's skirts: *New England*, Massachusetts, 57 (1,029); Rhode Island, 1; Connecticut, 2; *Other Divisions*, Indiana, 2; Illinois, 15 (251); Wisconsin, 1; Missouri, 3 (60); Texas, 4 (175); Arizona, 1; Washington, 1; California, 31 (715).

Women's neckwear and scarfs: *Northeast*, Massachusetts, 1; New Jersey, 7 (133); Pennsylvania, 3; *Other Divisions*, Illinois, 1; North Carolina, 1; Florida, 1; Kentucky, 1; Tennessee, 1; Texas, 1; Colorado, 1; California, 1.

Women's outerwear, n.e.c.: *Northeast*, Maine, 1; New Hampshire, 1; Vermont, 2; New Jersey, 25 (639); *East North Central*, Ohio, 2; Indiana, 3 (211); Michigan, 2; Wisconsin, 1; *West North Central*, Minnesota, 5; Iowa, 1; Missouri, 10 (370); Kansas, 1; *South*, Delaware, 1; Maryland, 4 (197); Kentucky, 1; Mississippi, 1; Texas, 3 (123); *Mountain*, Colorado, 3; Arizona, 1; Utah, 1; *Pacific*, Washington, 3; Oregon, 2.

TABLE 3.—DETAILED STATISTICS FOR THE UNITED STATES: 1947
 [Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS]

ITEM	Industry						
	Blouses and waists	Dresses, unit price	Dresses, dozen price	Women's suits and coats	Women's skirts	Women's neckwear and scarfs	Women's outerwear, n.e.c.
ALL ESTABLISHMENTS							
Number of establishments	1,361	4,202	917	2,477	493	166	469
All employees:							
Number (average for the year)	32,757	133,204	48,092	74,306	8,312	2,754	13,287
Salaries and wages, total	\$67,473	\$370,854	\$90,494	\$261,425	\$21,270	\$6,963	\$27,861
Production and related workers:							
Number (average for the year)	29,946	118,276	43,867	65,397	7,434	2,181	11,928
Man-hours, total ¹ thousands							
Wages, total	\$54,166	\$294,847	\$68,658	\$211,245	\$16,841	\$3,829	\$21,756
Value added by manufacture	\$123,640	\$509,570	\$153,052	\$438,145	\$38,484	\$16,850	\$48,144
ESTABLISHMENTS REPORTING DETAILED STATISTICS							
Number of establishments	1,140	3,749	780	2,217	430	166	335
All employees:							
Number (average for the year)	30,373	128,089	47,557	71,662	7,844	2,754	11,642
Salaries and wages, total	\$63,425	\$360,529	\$89,003	\$253,901	\$20,264	\$6,963	\$24,802
Production and related workers:							
Number (average for the year)	27,639	113,309	42,787	62,862	6,081	2,181	10,384
Man-hours, total ¹ thousands							
Wages, total	\$50,379	\$285,257	\$67,289	\$204,277	\$15,885	\$3,829	\$19,042
Value added by manufacture	\$117,364	\$592,882	\$150,894	\$426,838	\$36,219	\$16,850	\$42,555
Number of employees for pay period ended nearest Oct. 15:							
All employees	34,455	137,679	48,946	80,961	9,029	3,336	12,241
Male	4,841	33,003	6,287	37,664	2,805	718	2,163
Female	29,615	104,676	42,659	43,297	6,224	2,618	10,058
Production and related workers	31,501	122,071	44,027	71,704	8,079	2,702	10,933
Male	3,153	24,943	4,135	32,122	2,211	362	1,625
Female	28,348	97,128	39,892	39,582	5,868	2,340	9,408
Force-account construction workers		40	9	40	7		4
Administrative, supervisory, sales, and all other	2,955	15,568	4,910	9,217	943	634	1,304
Male	1,688	8,020	2,143	5,502	587	356	654
Female	1,267	7,548	2,767	3,715	356	278	650
All employees, number by month:							
January	28,330	124,541	45,346	73,330	7,478	2,607	11,572
February	30,177	130,949	46,495	76,414	7,968	2,678	12,200
March	31,254	131,166	47,413	75,409	7,934	2,708	12,312
April	29,545	128,797	48,292	66,539	6,874	2,533	12,137
May	26,977	126,718	47,946	48,020	5,930	2,321	11,473
June	26,209	119,673	46,949	57,274	6,970	2,258	11,230
July	26,261	109,948	45,919	74,903	7,584	2,239	9,934
August	29,911	129,073	46,797	80,967	8,518	2,560	10,317
September	32,040	135,515	46,757	81,971	8,649	2,859	11,056
October	34,455	137,079	48,946	80,961	9,029	3,336	12,241
November	35,100	129,924	49,597	74,064	8,593	3,475	12,381
December	33,533	131,012	49,915	80,113	8,471	3,370	12,668
Cost of materials, fuel, electricity, and contract work							
Materials, parts, containers, and supplies	\$147,047	\$731,201	\$196,312	\$557,873	\$46,358	\$34,211	\$47,649
Fuels, total	103,017	501,114	160,776	409,925	38,277	26,459	37,451
Bituminous coal	98	358	286	438	44	23	65
Anthracite	10	51	70	31	4		10
Coke	18	27	23	18		19	11
Fuel oils	4	6		6			1
Gas	30	100	84	159	6	2	18
Other fuels	26	133	74	190	34	2	21
Purchased electric energy	14	43	35	34			4
Contract and commission work	547	2,851	717	1,719	204	58	208
Value of inventories:							
Beginning of year, total	\$15,421	\$76,923	\$39,352	\$68,593	\$7,538	\$3,551	\$12,450
End of year, total	n.a.	n.a.	13,636	n.a.	n.a.	n.a.	4,588
Materials, supplies, and work in process	n.a.	n.a.	25,716	n.a.	n.a.	n.a.	7,864
Finished products	21,327	93,776	50,805	77,376	7,367	5,838	13,490
Materials, supplies, and work in process	n.a.	n.a.	17,386	n.a.	n.a.	n.a.	4,676
Finished products	n.a.	n.a.	33,410	n.a.	n.a.	n.a.	8,814
Expenditures for plant and equipment:							
New plant and equipment	\$2,150	\$5,156	\$4,820	\$4,626	\$379	\$88	\$1,388
Construction and major alteration of fixed plants	308	710	850	861	5	9	398
Buildings	295	442	703	776	2	9	340
Other construction	13	268	147	85	3		58
Machinery and equipment	1,842	4,448	3,970	3,765	374	79	990
Production machinery and equipment	1,512	3,380	3,128	3,097	324	53	806
Other machinery and equipment	330	1,068	844	668	50	26	184
Used plant and equipment, and land	157	605	227	373	26	9	60
Number of highway-type motor vehicles owned or leased:							
Trucks	31	70	71	44	15	8	20
By manufacturer's rated capacity:							
Under 1 1/2 tons	24	46	37	18	10	5	10
1 1/2 tons	4	14	23	15	5	2	8
Over 1 1/2 tons and less than 3 1/2 tons	2	7	9	11		1	2
3 1/2 tons and less than 5 tons	1	3	2				
5 tons and over							
By body type:							
Van	2	19	19	3		1	1
Stake or platform	2	6	5	2			2
Panel or light delivery	20	30	39	21	13	7	17
All other trucks	7	15	8	18	2		
Truck tractors		1	1				
Trailers and semitrailers		1	1	2			

n.a.—Not available.

¹ Omitted because reporting of figures on man-hours worked was based on unusual number of estimates. See text on this group of industries.

TABLE 4.—SELECTED GENERAL STATISTICS BY SIZE OF ESTABLISHMENT, FOR THE UNITED STATES: 1947

[Money figures in thousands of dollars. For explanation of line captions see GENERAL EXPLANATIONS. Data which cannot be shown without disclosing information for individual companies have been combined with figures for other groups. A ^d appears in the column where the figure has been omitted and the combined figure is printed in italics]

INDUSTRY AND ITEM	Total, all establishments	Establishments with an average of—									
		1-4 employees	5-9 employees	10-19 employees	20-49 employees	50-99 employees	100-249 employees	250-499 employees	500-999 employees	1,000-2,499 employees	2,500 employees and over
Blouses and waists:											
Number of establishments	1,361	1 258	230	295	409	129	40				
Number of employees (average for the year)	32,757	595	1,558	4,151	12,481	8,406	5,566				
Value added by manufacture	\$123,640	\$4,758	\$9,532	\$17,409	\$45,161	\$20,712	\$20,068				
Dresses, unit price:											
Number of establishments	4,202	2 416	526	861	1,709	512	160	15	3		
Number of employees (average for the year)	133,294	998	3,692	12,429	53,420	34,034	22,367	4,684	1,670		
Value added by manufacture	\$609,576	\$14,540	\$27,190	\$64,223	\$231,432	\$149,885	\$91,409	\$25,037	\$5,860		
Dresses, dozen price:											
Number of establishments	917	1 148	115	150	248	136	85	24	10	1	
Number of employees (average for the year)	48,692	329	775	2,192	7,977	9,696	12,450	7,362	7,911	(d)	
Value added by manufacture	\$153,052	\$1,781	\$3,209	\$7,768	\$23,780	\$27,433	\$36,398	\$25,082	\$27,601	(d)	
Women's suits and coats:											
Number of establishments	2,477	1 364	360	594	811	232	94	20	1	1	
Number of employees (average for the year)	74,306	880	2,439	8,547	25,178	15,681	13,424	8,151	(d)	(d)	
Value added by manufacture	\$438,145	\$10,216	\$20,685	\$52,396	\$147,102	\$90,866	\$74,407	\$42,413	(d)	(d)	
Women's skirts:											
Number of establishments	493	1 101	102	146	122	17	5				
Number of employees (average for the year)	8,312	226	678	2,049	3,601	1,073	685				
Value added by manufacture	\$38,484	\$2,346	\$4,022	\$9,683	\$14,263	\$4,503	\$3,067				
Women's neckwear and scarfs:											
Number of establishments	166	1 51	40	30	27	8	4				
Number of employees (average for the year)	2,754	107	281	478	800	1,088	(d)				
Value added by manufacture	\$16,850	\$639	\$2,005	\$2,705	\$4,225	\$7,270	(d)				
Women's outerwear, n.e.c.:											
Number of establishments	459	1 79	77	112	132	46	20	3			
Number of employees (average for the year)	13,287	184	529	1,593	4,121	3,103	2,697	1,060			
Value added by manufacture	\$45,144	\$1,628	\$2,611	\$5,848	\$15,157	\$10,354	\$9,476	\$3,070			

NOTE: Value added figures in smaller size groups may be distorted in relation to employment by reports of firms which have a large part of their manufacturing done by others on contract.

- ¹ Includes 14 establishments with no employees, accounting for \$153,000 value added.
- ² Includes 18 establishments with no employees, accounting for \$5,805,000 value added.
- ³ Includes 4 establishments with no employees, accounting for \$44,000 value added.
- ⁴ Includes 19 establishments with no employees, accounting for \$409,000 value added.
- ⁵ Includes 9 establishments with no employees, accounting for \$125,000 value added.
- ⁶ Includes 2 establishments with no employees, accounting for a small amount of value added.
- ⁷ Includes 3 establishments with no employees, accounting for a small amount of value added.

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947

[The first column shows the total value of shipments of the specified industry, divided among: (A) products classified in (primary to) the industry, (B) products classified in other industries (secondary to the specified industry), and (C) miscellaneous receipts. The second column shows the value of shipments of the primary products of the specified industry reported by establishments in other industries. The third column shows the total value of shipments of the primary products of the specified industry by all reporting manufacturers]

[Money figures in thousands of dollars]

BLOUSES AND WAISTS INDUSTRY	Shipped by—			DRESSES, UNIT PRICE, INDUSTRY	Shipped by—		
	Blouses and waists industry	Other industries	All industries		Dresses, unit price, industry	Other industries	All industries
Total shipments by the industry	\$276,284			Total shipments by the industry	\$1,353,068		
A. Women's, misses', and juniors' blouses, waists, and shirts (including work types)	209,118	\$29,922	\$239,040	A. Women's, misses', and juniors' dresses, sold at a unit price	1,062,282	\$29,301	\$1,091,583
B. Secondary products	15,131			B. Secondary products	58,754		
Women's, misses', and juniors' dresses, sold at a unit price	2,576			Women's, misses', and juniors' suits	20,613		
Women's, misses', and juniors' skirts (including work skirts)	2,968			Women's, misses', and juniors' blouses, waists, and shirts (including work types)	11,302		
Women's and misses' playsuits, sunsuits, short overalls, and shorts	1,037			Women's, misses', and juniors' skirts (including work skirts)	5,434		
Women's, and misses' slacks (including work slacks)	1,875			Children's and infants' dresses	4,350		
Other secondary products	6,675			Other women's and misses' outerwear, n.e.c.	3,575		
C. Miscellaneous receipts	52,035			Women's, misses', and juniors' coats, except fur coats	3,347		
Contract and commission work	51,862			Women's, misses', and juniors' jackets (including work jackets)	1,343		
Scrap and salable refuse	173			Robes and dressing gowns	1,021		
				Other secondary products	7,763		
				C. Contract and commission work	232,032		

TABLE 5.—VALUE OF PRODUCTS SHIPPED, BY BROAD CLASSES OF PRODUCTS, FOR THE UNITED STATES: 1947
—Continued

DRESSES, DOZEN PRICE, INDUSTRY	Shipped by—			WOMEN'S SUITS AND COATS INDUSTRY	Shipped by—		
	Dresses, dozen price, industry	Other industries	All industries		Women's suits and coats industry	Other industries	All industries
Total shipments by the industry	\$350,454			Total shipments by the industry	\$1,003,753		
A. Household apparel.....	283,487	\$12,411	\$295,898	A. Women's, misses', and juniors' suits and coats (except fur coats).....	816,910	\$57,514	\$874,424
Women's, misses', and juniors' dresses, sold at a dozen price.....	243,626	5,836	249,462	Women's, misses', and juniors' coats (except fur coats).....	491,336	11,394	502,730
Women's aprons, uniforms, and other washable service apparel.....	38,400	6,575	44,975	Women's, misses', and juniors' suits.....	304,295	37,107	341,402
Other household apparel.....	1,461		1,461	Women's, misses', and juniors' jackets.....	9,737	8,327	18,064
B. Secondary products.....	33,718			Other products, not specified by kind.....	11,542	686	12,228
Washable service apparel, men's.....	3,001			B. Secondary products.....	44,724		
Women's, misses', and juniors' dresses sold at a unit price.....	7,806			Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	5,026		
Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	2,228			Women's, misses', and juniors' skirts (including work skirts).....	7,523		
Other women's and misses' outerwear, n.e.c.....	2,926	In 2329		Women's, misses', and juniors' dresses, sold at a unit price.....	11,955		
Children's and infants' dresses.....	1,134			Other women's and misses' outerwear, n.e.c.....	7,392		
Robes and dressing gowns.....	952			Children's and infants' coats.....	2,773		
Breakfast coats, brunch coats, housecoats, and lounging pajamas.....	5,033			Raincoats and other waterproof outer garments.....	3,659		
Other secondary products.....	9,738			Other secondary products.....	6,396		
C. Miscellaneous receipts.....	33,240			C. Miscellaneous receipts.....	142,119		
Contract and commission work.....	32,922			Contract and commission work.....	140,500		
Scrap and salable refuse.....	327			Other miscellaneous receipts.....	1,619		
WOMEN'S SKIRTS INDUSTRY	Shipped by—			WOMEN'S OUTERWEAR, N.E.C., INDUSTRY	Shipped by—		
	Women's skirts industry	Other industries	All industries		Women's outerwear, n.e.c., industry	Other industries	All industries
Total shipments by the industry	\$85,911			Total shipments by the industry	\$100,570		
A. Women's, misses', and juniors' skirts.....	55,141	\$23,130	\$78,271	A. Women's and misses' outerwear, n.e.c.....	57,965	\$39,198	\$97,198
B. Secondary products.....	16,405			Women's and misses' outerwear, n.e.c. (except knit).....	43,491	38,429	81,920
Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	1,209			Women's and misses' outerwear, not specified as to kind (except knit).....	14,474	769	15,243
Women's, misses', and juniors' dresses, sold at a unit price.....	1,625			B. Secondary products.....	30,217		
Women's, misses', and juniors' suits.....	2,950			Men's youths', and boys' clothing, n.e.c.....	2,150		
Women's, misses', and juniors' jackets.....	3,369			Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	3,167		
Other women's and misses' outerwear, n.e.c.....	5,385	In 2329		Women's, misses', and juniors' dresses, sold at a unit price.....	1,454		
Other secondary products.....	1,807			Women's, misses', and juniors' jackets (including work jackets).....	1,384		
C. Miscellaneous receipts.....	14,305			Women's, misses', and juniors' skirts (including work skirts).....	2,960		
Contract and commission work.....	14,265			Women's and misses' sweaters, outerwear shirts, and bathing suits, knitted or from knitted materials.....	2,832		
Other miscellaneous receipts.....	40			Children's and infants' coats.....	1,865		
				Children's and infants' outerwear, n.e.c.....	6,586	In 2369	
				Other secondary products.....	7,813		
				C. Miscellaneous receipts.....	12,388		
				Contract and commission work.....	12,173		
				Stitching and/or cutting.....	10,840		
				Other contract and commission work.....	1,333		
				Other miscellaneous receipts.....	215		
WOMEN'S NECKWEAR AND SCARFS INDUSTRY	Shipped by—						
	Women's neckwear and scarfs industry	Other industries	All industries				
Total shipments by the industry	\$51,061						
A. Women's neckwear, scarfs, doliaks, etc.....	46,767	\$1,785	\$48,552				
B. Secondary products.....	2,092						
Women's, misses', and juniors' blouses, waists, and shirts (including work types).....	1,122						
Other secondary products.....	970						
C. Contract and commission work.....	2,202						

TABLE 6.—QUANTITY AND VALUE OF PRODUCTS, TOTALS FOR THE UNITED STATES: 1947 AND 1939

[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	2,880	\$33,692
Household apparel			295,898		n.a.
Women's aprons, uniforms, and other washable service apparel, total.....			44,975		n.a.
Aprons, smocks, hoovers, 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	510,806
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.....	1,024	94,404	17,428	203,342
Coats, without fur-trimming (including capes and reversible coats, excluding fur coats)	do.....	18,656	408,266		
Suits (except ski and snow suits, slack suits, and uniform suits)	do.....	14,352	341,402		
Jackets (including work jackets)	do.....	3,462	18,664		
Other products, not specified by kind.....			12,228		8,206
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			48,552		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).....			15,208		

n.a.—Not available.