28. Mining and Mineral Products

This section summarizes the principal statistics relating to the mineral industries and mineral products. It includes not only crude minerals (such as coal, iron ore), but minerals which have gone through certain stages of preparation (such as refined copper, cement) and minerals such as magnesium whose extraction does not involve mining in the conventional sense. The latter two categories, while part of the mineral-raw-material sector of the economy, include the products of industries which are classified under the Standard Industrial Classification (Bureau of the Budget) as manufacturing.

The tables in this section are arranged in 4 groups which appear in the following sequence:

1. General summary statistics.
2. Fuels.
3. Nonmetals other than fuels.
4. Metals.

Most of the statistics are from the Bureau of Mines, with additional material from other Government agencies such as the Bureau of the Census, the Bureau of Labor Statistics, the Bureau of the Mint, the Federal Reserve Board, and the Interstate Commerce Commission and from non-Government sources such as the *Engineering and Mining Journal*, and *The Iron Age*.

Mineral statistics, with principal emphasis on commodity detail, have been collected annually or at more frequent intervals by the United States Geological Survey or by the Bureau of Mines since 1880. The principal statistics have been published annually through 1931 in *Mineral Resources of the United States* and thereafter in the *Minerals Yearbook*. Data available from Bureau of Mines publications include quantities and values of minerals produced, sold or used by producers, or shipped; quantities of minerals stocked; crude materials treated and prepared minerals recovered; and consumption of mineral raw materials. The Bureau of Mines also collects and publishes separate data on man-hours, active days, length of shift, and accidents.

Censuses of mineral industries have been taken approximately every 10 years since 1840. The most recent Census taken, however, is for 1939. Commodity statistics on many of the manufactured mineral products are also collected by the Bureau of the Census at monthly, quarterly, or annual intervals.

In general, figures shown in the individual commodity tables include data for Territories and possessions, and may therefore not agree with summary table 885.

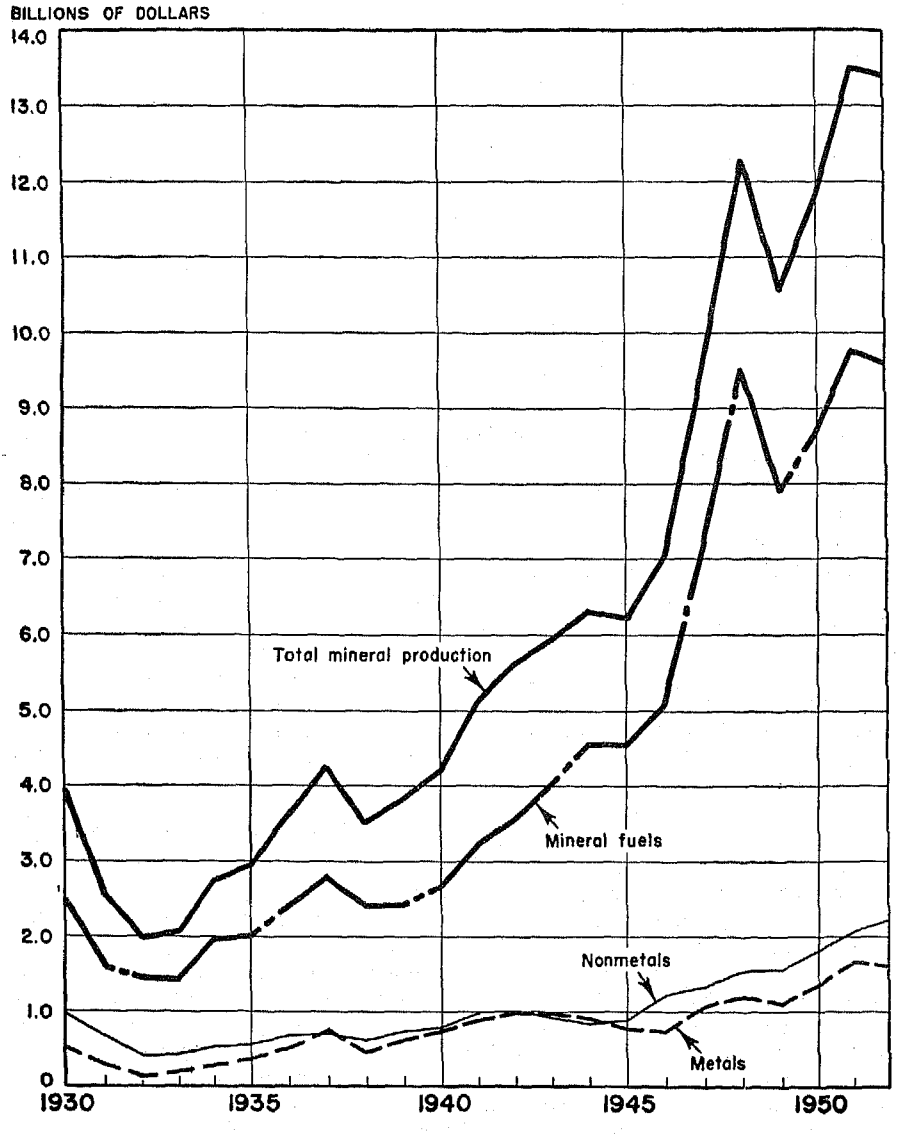
Data in other sections.—Data on mining and mineral products will also be found in other sections of this *Abstract*. For example, a historical summation of production and consumption of raw materials appears in section 32, Foreign Commerce (see table 1081); data on iron and steel, aluminum and magnesium, copper products, clay products, and others appear in section 30, Manufactures; financial data on mining corporations appear both in section 14, Federal Government Finances and Employment, and section 17, Business Enterprise; summary data for the Territories and possessions appear in section 33; for specific page references, consult the index.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series G 1–5") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945*. See preface.

Note.—This section presents data for the most recent year or period available on May 21, 1954, when the material was organized and sent to the printer. In a few instances, more recent data were added after that date.

Fig. XLV.—Value of Mineral Production: 1930 to 1952

[See table 883]



Source: Chart prepared by Department of Commerce, Bureau of the Census. Data are from Department of the Interior, Bureau of Mines.

No. 883.—Value of Mineral Production in the United States: 1881 to 1952

[*All figures in millions of dollars. Principal differences between old basis and new basis are as follows: (1) Totals* on the new basis represent continental U. S. only; on the old basis, production in Alaska, Hawaii, Philippine Islands and Puerto Rico was included, but no data were collected for other U. S. possessions now shown in table 1115; (2) U. S. totals on the new basis are a better representation than formerly of the production of primary minerals from domestic mines (or concentrating mills); on the old basis, totals include secondary products and mineral products made from foreign materials. However, value on new basis still includes some advanced products, like cement, lime, and natural gas liquids; also, mine value of nonferrous metals is based not on ore, *but on value after refining of the recoverable metal content.* Revised data for years prior to 1925 on new basis are not available. See also *Historical Statistics*, series G 1–5]

YEARLY AVERAGE OR YEAR	Total	NONMETALLIC			Metallic
		Total	Fuels[1]	Other	
1881–1885	426	232	171	61	194
1886–1890	541	292	215	78	249
1891–1895	592	347	248	99	245
1896–1900	828	462	307	154	366
1901–1905	1,392	814	546	267	578
1906–1910	1,887	1,118	746	372	769
1911–1915	2,220	1,400	967	433	821
1916–1920	5,129	3,331	2,602	729	1,798
1921–1925	5,151	3,997	2,943	1,054	1,154
1926–1930	5,556	4,280	3,088	1,192	1,276
NEW BASIS [2]					
1926–1930	4,676	4,015	2,865	1,150	661
1931–1935	2,463	2,210	1,688	522	252
1936–1940	3,879	3,256	2,542	714	623
1941–1945	5,840	4,930	3,988	942	910
1946–1950	10,276	9,179	7,671	1,509	1,097
1931	2,578	2,291	1,617	674	287
1932	2,000	1,872	1,457	415	128
1933	2,050	1,845	1,411	434	205
1934	2,744	2,467	1,944	523	277
1935	2,942	2,577	2,011	566	365
1936	3,606	3,090	2,401	689	516
1937	4,265	3,509	2,795	714	756
1938	3,518	3,058	2,433	625	460
1939	3,808	3,177	2,420	757	631
1940	4,198	3,446	2,659	787	752
1941	5,107	4,217	3,224	993	890
1942	5,623	4,624	3,563	1,061	999
1943	5,931	4,944	4,023	921	987
1944	6,310	5,410	4,568	842	900
1945	6,231	5,457	4,563	894	774
1946	7,062	6,333	5,084	1,249	729
1947	9,610	8,526	7,181	1,345	1,084
1948	12,273	11,054	9,495	1,559	1,219
1949	10,580	9,479	7,912	1,567	1,101
1950	11,855	10,504	8,681	1,823	1,351
1951	13,524	11,854	9,770	2,084	1,670
1952 (prel.)	13,430	11,828	9,616	2,212	1,602

[1] Coal, natural gas, natural gas liquids, petroleum. [2] See headnote.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 884.—Average Prices of Selected Mineral Products: 1896 to 1953

[Prices per short ton for coal, per long ton for iron ore and sulfur]

YEARLY AVERAGE OR YEAR	Crude petroleum (at wells) [1]	Bituminous coal [2] (f.o.b. selected cities)	Iron ore [3] (Lake Erie ports)	Copper, electrolytic (New York)	Lead (New York)	Tin (New York) [4]	Zinc (St. Louis)	Aluminum, delivered [5]	Sulfur crude (f.o.b. works)
	Dollars per bbl.	*Dollars per ton*	*Dollars per ton*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Cents per lb.*	*Dollars per ton*
1896–1900	----------	----------	2.36	[6] 13.41	3.84	19.54	[7] 4.55	37.15	----------
1901–1905	----------	----------	2.70	13.877	4.330	28.19	[8] 5.284	33.80	22.16
1906–1910	----------	----------	3.70	15.642	4.780	34.26	5.432	31.12	21.89
1911–1915	----------	----------	3.08	14.973	4.359	41.10	7.205	23.84	22.00
1916–1920	2.19	----------	5.21	23.031	7.355	[9] 54.43	8.783	42.14	31.76
1921–1925	1.68	[10] 4.39	5.03	13.474	6.933	42.64	6.189	23.88	14.55
1926–1930	1.48	4.09	4.35	14.475	6.765	51.38	6.135	24.80	18.04
1931–1935	.83	3.88	4.50	7.555	3.843	37.64	3.806	22.40	18.00
1936–1940	1.11	4.30	4.76	10.980	5.138	48.39	5.495	20.12	13.90
1941–1945	1.16	4.99	4.47	11.779	6.355	52.01	8.095	15.37	16.00
1946–1950	2.20	7.63	6.29	19.451	13.897	85.32	11.765	16.09	17.48
1947	1.90	6.87	5.55	20.958	14.673	77.95	10.500	15.00	16.50
1948	2.57	8.10	6.20	22.038	18.043	99.25	13.589	15.73	18.00
1949	2.57	8.65	7.20	19.202	15.364	99.34	12.144	17.00	18.00
1950	2.57	8.74	7.70	21.235	13.206	95.54	13.866	17.71	18.90
1951	2.57	9.07	8.30	24.200	17.500	127.08	18.000	19.00	21.00
1952	2.57	[11]	8.68	24.200	16.467	120.47	16.215	19.41	21.00
1953	[12]	[11]	9.80	28.798	13.489	95.85	10.855	20.93	24.38

[1] Posted price, Mid-Continent Oklahoma-Kansas, 36°–36.9° gravity (1923, 35°–36.9°; 1924–25, 36°–38.9°).
[2] Run of mine, average wholesale price.
[3] Lake Superior, Mesabi, non-Bessemer.
[4] 99 percent tin, 1896–1919; Straits tin thereafter.
[5] Prices 1896 to 1929 for pure aluminum (No. 1 virgin 98–99 percent); beginning 1930, for 99 percent+ virgin ingot.
[6] Prices 1896 to 1898 are for Lake copper.
[7] Data are for New York zinc.
[8] Average, 1903–05; average for New York zinc 1901–05, 5.058 cents.
[9] Average for 4 years.
[10] Average, 1923–25.
[11] Series discontinued.
[12] Not yet available.

Source: Compiled from *Engineering and Mining Journal; The Iron Age; Wholesale Prices* (Bureau of Labor Statistics); and *Minerals Yearbook* (Bureau of Mines).

No. 885.—Mineral Production in Continental United States: 1947 to 1951

[Data represent production as measured by mine shipments or mine sales (including consumption by producers), except that fuels and the following additional minerals are strictly production: Gypsum, iodine, magnesite, pyrites, antimony, bauxite, and mercury. Excludes uranium ores and monazite. See headnote to table 883. See also *Historical Statistics*, series G 1-5, 13-18, and 43-130]

MINERAL	1947		1948		1949		1950		1951	
	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)
Total mineral production		**9,610,000**		**12,273,000**		**10,580,000**		**11,855,000**		**13,524,000**
Total mineral fuels		**7,181,000**		**9,495,000**		**7,912,000**		**8,681,000**		**9,770,000**
Coal:										
Bituminous [1] ..... 1,000 short tons	627,389	2,614,561	596,024	2,983,465	434,342	2,126,226	512,529	2,489,229	529,880	2,614,219
Lignite ..... do	2,874	5,519	3,086	7,012	3,092	7,336	3,370	8,112	3,291	8,044
Pennsylvania anthracite ..... do	57,190	413,019	57,140	467,052	42,702	358,008	44,077	392,398	42,670	405,818
Natural gas ..... 1,000,000 cubic feet	4,582,173	274,709	5,148,020	333,173	5,419,736	344,034	6,282,060	408,521	7,457,359	542,964
Natural-gas liquids:										
Natural gasoline and cycle products thousands of 42-gallon barrels	87,130	228,174	94,124	341,154	99,217	303,136	109,679	321,832	118,377	369,718
LP-gases ..... do	45,043	66,820	52,597	117,823	57,869	99,054	72,282	97,773	86,377	138,443
Petroleum (crude) ..... do	1,856,987	3,577,890	2,020,185	5,245,080	1,841,940	4,674,770	1,973,574	4,963,380	2,247,711	5,690,410
Total nonmetallic minerals (except fuels)		**1,345,000**		**1,559,000**		**1,567,000**		**1,823,000**		**2,084,000**
Abrasive stone: [2]										
Grindstones and pulpstones ..... short tons	10,696	482	7,954	405	4,507	247	4,468	233	5,571	316
Millstones	(3)	23	(3)	18	(3)	9	(3)	11	(3)	6
Pebbles (grinding) ..... short tons	5,860	123	4,026	102	2,374	64	1,923	53	3,062	84
Tube-mill liners (natural) ..... do	1,496	40	1,297	42	1,166	47	1,523	63	1,408	77
Asbestos ..... do	24,035	919	37,092	1,806	43,387	2,614	42,434	2,925	51,645	3,912
Asphalt and related bitumens (native):										
Bituminous limestone and sandstone ..... do	1,004,740	3,756	1,084,004	3,635	1,150,931	4,265	1,184,676	3,522	1,378,434	4,159
Gilsonite ..... do	67,165	1,746	52,122	1,391	51,462	1,304	66,186	1,774	65,521	1,895
Barite (crude) ..... do	834,082	6,171	799,848	6,693	717,313	5,642	695,414	6,194	860,669	7,968
Boron minerals ..... do	501,935	11,844	450,932	11,148	467,592	11,512	647,735	15,890	862,797	20,030
Bromine ..... 1,000 pounds	78,178	14,837	76,048	14,825	88,726	16,268	98,502	18,795	129,563	26,180
Calcium-magnesium chloride short tons, 75-percent ($CaCl_2$, $MgCl_2$) basis	271,206	2,650	309,660	3,907	255,797	3,261	299,821	3,802	328,042	4,756
Carbon dioxide, natural (estimated) ..... 1,000 cubic feet	581,000	412	545,000	397	489,000	376	472,334	369	547,436	161
Cement ..... thousands of 376-pound barrels	188,516	356,639	205,239	446,465	207,142	475,074	228,788	537,652	240,330	611,751
Clays (including fuller's earth) [4] ..... 1,000 short tons	28,192	71,250	31,304	80,997	28,474	74,619	32,301	89,676	35,612	120,570
Emery ..... short tons	5,798	67	5,405	69	4,909	61	5,949	75	11,634	160
Feldspar (crude) ..... long tons	459,910	2,411	460,713	2,564	369,378	2,278	407,925	2,558	400,439	2,816
Fluorspar ..... short tons	329,484	10,955	331,749	11,227	236,704	8,267	301,510	10,620	347,024	14,370
Garnet (abrasive) ..... do	8,722	614	8,039	588	6,578	505	9,304	794	14,050	1,247
Gem stones (estimated)	(3)	540	(3)	450	(3)	450	(3)	450	(3)	450
Graphite ..... short tons	5,207	221	9,871	451	5,213	475	5,605	428	6,808	771
Gypsum (crude) ..... do	6,208,216	16,530	7,254,535	19,113	6,608,118	18,319	8,192,625	22,735	8,665,534	24,024
Helium (shipments, calendar years) ..... 1,000 cubic feet	52,322	501	50,915	610	51,501	689	80,889	1,028	108,970	1,387
Kyanite ..... short tons	(5)	(5)	14,552	527	12,115	403	(5)	(5)	(5)	(5)
Lime (open-market) ..... do	6,759,949	63,363	7,245,211	74,677	6,302,551	68,908	7,462,109	82,847	8,236,422	96,507

Lithium minerals	do	2,441	151	3,881	211	4,838	346	9,306	580	12,897	896
Magnesite (crude)	do	375,993	2,597	(5)	(5)	287,315	1,950	429,392	3,091	670,167	4,507
Magnesium compounds from sea water and brines (except for metal)	short tons, MgO equivalent	89,500	5,840	91,700	6,918	63,000	5,033	89,300	7,283	106,414	8,996
Marl:											
Calcareous (except for cement)	short tons	176,187	235	114,759	146	166,800	232	347,843	246	269,955	234
Greensand	do	8,337	433	7,269	393	6,128	277	3,935	304	5,067	264
Mica:											
Scrap	do	49,797	1,096	52,157	1,092	32,856	796	69,360	1,743	71,871	1,884
Sheet	pounds	415,589	116	270,042	46	513,994	132	578,818	126	594,884	160
Olivine	short tons	10,838	129	4,766	86	3,528	57	4,103	59	8,816	135
Peat	do	136,232	869	129,581	930	129,532	1,020	130,723	1,143	194,416	1,489
Perlite	do	10,495	58	22,112	134	71,203	511	101,536	649	181,588	810
Phosphate rock	1,000 long tons	9,027	46,639	8,669	50,502	8,987	51,415	10,254	59,028	11,095	66,158
Potassium salts	short tons, K_2O equivalent	1,053,266	34,716	1,143,339	35,999	1,120,653	35,106	1,276,164	39,774	1,408,408	44,789
Pumice and pumicite	short tons	442,552	2,022	607,646	2,501	716,742	2,369	719,356	2,661	749,192	2,740
Pyrites	long tons	940,652	4,070	928,531	3,950	888,388	3,904	931,163	4,059	1,017,769	4,656
Quartz from pegmatites and quartzite	short tons	101,317	425	161,861	751	107,552	475	160,508	707	281,047	1,165
Salt (common)	1,000 short tons	16,041	52,090	16,388	54,220	15,560	53,549	16,616	59,774	20,196	69,616
Sand and gravel	do	283,189	212,568	318,070	252,244	315,895	245,661	367,304	292,559	394,629	329,982
Sand and sandstone (ground)	short tons	644,508	5,154	692,773	5,778	610,789	5,258	750,673	6,463	818,479	7,163
Slate	do	876,010	11,686	799,400	12,881	740,260	12,164	930,370	15,047	825,700	13,896
Sodium carbonate (natural)	do	293,051	5,862	[6] 288,769	[6] 6,623	[6] 200,496	[6] 4,164	351,075	7,544	350,688	8,368
Sodium sulfate (natural)	do	257,294	3,329	265,862	4,249	186,223	2,734	186,537	2,199	(5)	(5)
Stone [7]	1,000 short tons	206,242	286,792	224,475	326,660	222,549	339,442	250,844	387,911	284,947	434,879
Sulfur:											
Ore for direct agricultural use	long tons	4,303	65	1,700	30	5,392	102	3,247	60	3,945	76
Frasch-process	do	4,828,103	85,200	4,978,912	89,600	4,789,311	86,208	5,504,714	104,000	4,988,101	107,300
Talc, pyrophyllite, and ground soapstone	short tons	516,094	7,682	518,746	8,265	461,896	7,523	620,750	10,621	636,068	11,323
Topaz (industrial)	do	2,294	46	200	4	(5)	(5)				
Tripoli	do	34,578	751	26,845	706	25,525	691	43,720	1,174	37,476	1,105
Vermiculite	do	131,385	1,339	138,635	1,387	168,819	1,686	208,096	2,122	209,008	2,094
Wollastonite	do	80	2	75	2	500	7	800	16	(8)	(5)
Undistributed [8]			7,305		10,549		8,105		9,824		15,892
Total metals			**1,084,000**		**1,219,000**		**1,101,000**		**1,351,000**		**1,670,000**
Antimony ore and concentrate	short tons, gross weight	19,980	3,256	16,171	4,349	5,186	1,134	6,888	1,443	9,100	(9)
Bauxite	long tons, dried equivalent	1,202,955	6,885	1,457,148	8,697	1,148,792	6,778	1,334,527	7,693	1,848,676	12,478
Beryllium concentrate	short tons, gross weight	145	25	99	27	475	152	559	171	484	161
Chromite	do	948	(9)	3,619	(9)	433	12	404	(9)	7,056	554
Cobalt (content of ore)	pounds	676,612	(9)	580,703	(9)	673,773	(9)	660,025	(9)	755,631	(9)
Columbium (niobium) concentrate	pounds, gross weight			100	(9)	(10)	(10)	(10)	(10)	(10)	(10)
Copper (recoverable content of ores, etc.)	short tons	847,551	355,971	834,797	362,302	752,746	296,582	909,337	378,284	928,329	449,311
Gold (recoverable content of ores, etc.)	troy ounces	1,829,197	64,022	1,765,862	61,805	1,762,367	61,683	2,104,959	73,674	1,741,026	60,936
Iron ore, usable (excluding byproduct iron sinter)	1,000 long tons, gross weight	92,670	317,629	100,275	391,230	84,174	377,637	97,151	483,358	115,622	629,837
Lead (recoverable content of ores, etc.)	short tons	383,957	110,580	390,147	139,673	409,857	129,515	430,678	116,283	388,143	134,298
Manganese ore (35 percent or more Mn)	short tons, gross weight	131,627	4,201	131,100	4,390	126,135	5,179	134,451	6,230	105,007	6,045
Manganiferous ore (5 to 35 percent Mn)	do	1,174,355	3,447	1,340,565	(9)	1,078,395	4,040	1,087,597	4,609	1,223,964	5,386
Manganiferous residuum	do	227,547	(9)	291,383	(9)	158,902	(9)	183,842	(9)	267,751	(9)

See footnotes at end of table.

No. 885.—Mineral Production in Continental United States: 1947 to 1951—Continued

Mineral	1947		1948		1949		1950		1951	
	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)	Quantity	Value ($1,000)
Metals—Continued										
Mercury—76-pound flasks	23,117	1,936	14,288	1,093	9,830	781	4,535	368	7,293	1,532
Molybdenum (content of ore and concentrate) 1,000 pounds	22,190	15,178	29,669	20,418	23,280	19,332	44,544	37,729	37,955	36,177
Platinum-group metals (crude)—troy ounces	324	[9]	[9]	[9]	[9]	[9]	[9]	[9]	[9]	[9]
Silver (recoverable content of ores, etc.) 1,000 troy ounces	35,757	32,360	38,029	34,418	34,639	31,350	42,406	38,380	39,734	35,961
Tantalum concentrate—pounds, gross weight	3,259	9	500	[9]	[10] 1,020	[10] 2	[10] 1,000	[10] 2	[10] 925	[10] 2
Tin (content of ore and concentrate)—long tons			[11]	[9]	17	37	15	31	19	56
Titanium concentrate:										
Ilmenite—short tons, gross weight	336,061	5,029	381,508	5,794	389,234	6,212	[8] 452,370	5,607	510,840	7,689
Rutile—do	5,157	534	9,907	647	10,559	490	[9]	[9]	[9]	[9]
Tungsten concentrate short tons, 60-percent WO_3 basis	3,081	4,336	4,033	6,355	2,765	4,377	4,807	8,157	6,265	22,937
Vanadium (content of ore and concentrate)—pounds	2,117,962	1,285	[9]	[9]	[9]	[9]	[9]	[9]	[9]	[9]
Zinc (recoverable content of ores, etc.)—short tons	637,583	153,112	629,955	167,974	593,201	148,913	623,369	178,667	681,188	249,331
Undistributed [12]		3,876		10,466		6,671		10,216		17,755

[1] Includes small quantity of anthracite mined in States other than Pennsylvania.
[2] Excludes sharpening stones, included with "Nonmetallic minerals, undistributed."
[3] Weight not recorded.
[4] Excludes clays sold or used for cement as follows: 1947, 5,336,000 short tons, $2,987,000; 1948, 6,362,000 tons, $4,320,000; 1949, 6,676,000 tons, $4,573,000; 1950, 7,080,000 tons, $5,574,000; 1951, 7,804,000 tons, $8,052,000.
[5] Value included with "Nonmetallic minerals, undistributed."
[6] Excludes production from Wyoming, value for which is included with "Nonmetallic minerals, undistributed."
[7] Excludes abrasive stone, bituminous limestone, bituminous sandstone, and ground soapstone, all included elsewhere in table. Also excludes limestone for cement and lime.
[8] Comprises andalusite (1948–49), aplite, brucite, diatomite, dumortierite (1949), epsom salts from serpentine (1947) and epsomite (1949–51), iodine, quartz crystal (1950), sharpening stones, sodium carbonate (Wyoming 1948–49), and minerals indicated by footnote 5.
[9] Value included with "Metals, undistributed."
[10] Columbite and tantalite production not differentiated and given under tantalum concentrate.
[11] Less than 0.5 ton.
[12] Comprises magnesium chloride for magnesium metal, zirconium concentrates, and minerals indicated by footnote 9.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 886.—Mineral Production—Value, by States and for Alaska: 1945 to 1951

[In thousands of dollars]

DIVISION AND STATE	1945	1946	1947	1948	1949	1950	1951
Continental United States	6,231,000	7,062,000	9,610,000	12,273,000	10,580,000	11,855,000	13,524,000
New England	20,684	33,836	36,979	43,941	43,780	50,849	52,875
Maine	2,523	4,399	5,784	8,094	6,742	7,461	8,516
New Hampshire	802	1,451	1,254	1,331	1,389	1,711	1,296
Vermont	8,249	12,096	14,717	15,999	17,384	18,563	18,535
Massachusetts	5,450	9,745	10,576	12,583	12,449	13,014	16,951
Rhode Island	508	561	785	1,450	929	1,425	1,278
Connecticut	3,152	5,584	3,863	4,484	4,887	5,675	6,299
Middle Atlantic	1,033,177	1,211,098	1,409,583	1,574,971	1,213,047	1,389,132	1,536,506
New York	88,678	103,576	122,333	143,623	138,493	156,529	188,256
New Jersey	31,267	38,518	38,433	44,388	38,584	46,391	59,024
Pennsylvania	913,232	1,074,004	1,248,817	1,386,960	1,035,970	1,186,212	1,289,226
East North Central	740,542	849,221	1,004,811	1,207,797	1,070,136	1,200,982	1,273,222
Ohio	175,443	221,356	244,444	284,816	242,080	274,572	302,613
Indiana	88,802	107,479	133,862	161,950	141,025	166,632	174,389
Illinois	330,184	358,628	425,380	521,038	449,893	488,144	489,933
Michigan	123,896	133,162	166,634	202,885	201,260	229,941	257,939
Wisconsin	22,217	28,596	34,491	37,108	35,878	41,693	48,348
West North Central	449,744	505,410	654,938	813,844	789,119	911,497	1,074,510
Minnesota	167,139	155,744	218,374	267,248	257,540	331,567	433,098
Iowa	25,008	35,957	31,023	35,955	37,458	41,773	47,706
Missouri	74,347	88,357	103,928	108,201	111,293	113,191	135,246
North Dakota	4,505	5,118	6,258	8,478	8,818	9,614	10,246
South Dakota	7,138	18,304	23,690	24,327	26,746	32,716	29,658
Nebraska	4,963	7,277	6,704	8,385	10,102	14,022	18,469
Kansas	166,644	194,563	265,061	361,160	337,162	368,614	400,087
South Atlantic	699,591	793,104	1,113,489	1,298,077	974,693	1,140,343	1,297,716
Delaware	131	491	340	403	335	522	644
Maryland	15,329	21,991	23,291	25,002	20,461	22,725	26,027
District of Columbia	229	710	61	64	63	60	82
Virginia	81,965	90,823	130,296	143,333	116,408	137,806	161,251
West Virginia	537,212	588,925	857,670	1,012,402	718,119	829,624	941,723
North Carolina	14,766	20,428	16,386	18,231	19,755	26,338	29,648
South Carolina	5,043	8,189	7,589	8,885	9,026	11,394	11,284
Georgia	19,988	30,454	32,009	36,103	35,508	44,157	48,509
Florida	24,928	31,093	45,847	53,654	55,018	67,717	78,548
East South Central	439,753	495,460	731,961	900,793	697,178	811,570	809,427
Kentucky	250,919	272,558	426,101	504,080	372,229	459,956	442,264
Tennessee	57,104	66,201	79,941	93,599	77,333	89,604	99,854
Alabama	110,360	123,029	158,275	183,797	143,905	158,975	164,279
Mississippi	21,370	33,672	67,644	119,317	103,711	102,945	103,030
West South Central	1,665,690	1,912,738	2,795,657	4,063,416	3,605,393	4,013,294	4,782,411
Arkansas	58,262	65,995	90,857	122,039	109,523	118,642	118,693
Louisiana	222,173	273,882	404,779	604,198	631,813	693,607	787,678
Oklahoma	243,314	263,282	354,387	506,846	484,264	527,095	607,485
Texas	1,141,941	1,309,579	1,945,634	2,830,283	2,379,793	2,673,950	3,268,555
Mountain	626,301	623,805	964,981	1,151,258	1,048,350	1,211,096	1,405,188
Montana	68,537	61,833	87,735	103,841	98,070	103,389	126,166
Idaho	44,349	44,449	66,822	79,128	64,202	79,077	82,793
Wyoming	74,625	78,815	117,395	172,004	150,998	177,577	201,834
Colorado	77,237	77,630	102,448	128,861	139,873	154,898	179,434
New Mexico	104,239	111,968	157,548	220,080	198,825	210,294	256,304
Arizona	98,584	118,106	186,092	200,382	181,094	207,406	243,887
Utah	127,537	95,520	206,015	204,459	177,825	229,956	257,144
Nevada	31,193	35,484	40,926	42,503	37,373	48,499	57,026
Pacific	555,728	637,588	897,329	1,219,261	1,138,320	1,126,644	1,292,381
Washington	31,301	33,109	38,051	48,928	40,863	49,055	54,552
Oregon	9,493	12,107	15,865	23,923	21,845	21,542	28,401
California	514,934	592,372	843,413	1,146,410	1,075,612	1,056,047	1,209,428
Alaska	10,174	12,426	13,488	13,024	15,549	17,852	19,569

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 887.—Apparent Consumption of Principal Minerals and Percentage Distribution by Sources of Supply: 1950

[These data may not agree with similar data in subsequent tables due to use of somewhat different methods of calculation. For further detail, see *Minerals Yearbook, 1950*, p. 8]

Mineral and unit of measurement	Apparent consumption	Percentage distribution								
		Domestic production			Net imports [1]					Net decrease in stocks [4]
		Total	Primary	Secondary [2]	Total	Canada and Mexico	Other Western Hemisphere	Other "free world" [3]	U.S.S.R. bloc	
Antimony, short tons (Sb content)	35,517	56.5	6.6	49.9	43.5	16.7	17.0	9.4	0.4	
Bauxite, crude, thousand long tons (dried equivalent)	4,260	31.3	31.3		57.9		47.5	10.4		10.8
Boron minerals and compounds, thousand short tons (gross weight)	505	100.0	100.0							
Bromine and bromine in compounds, thousand pounds	97,739	100.0	100.0							
Cadmium, thousand pounds (Cd content)	9,502	96.7	96.7		2.9	2.4	(5)	.5		.4
Chromite, thousand short tons	1,453	(5)	(5)		89.6		7.4	77.3	4.9	10.4
Clays, do	39,304	100.0	100.0							
Coal:										
Anthracite, do	39,910	100.0	100.0							
Bituminous and lignite, do	460,428	100.0	100.0							
Cobalt, thousand pounds (Co content)	11,913	7.8	6.8	1.0	78.4			78.4		13.8
Copper, thousand short tons (Cu content)	2,222	63.3	41.5	21.8	17.4	4.6	12.8			19.3
Fluorspar, finished, short tons	433,971	64.8	64.8		35.2	18.6		16.6		
Gypsum, crude, thousand short tons	11,360	72.1	72.1		27.9	27.9				
Iron ore, thousand gross (long) tons	103,335	94.5	94.5		5.5		2.9	2.6		
Lead, thousand short tons (Pb content)	1,440	58.8	29.1	29.7	36.8	22.9	5.7	8.2		4.4
Magnesium, short tons (Mg content)	26,293	78.7	59.8	18.9	1.1			1.1		20.2
Manganese, thousand short tons (Mn content)	1,205	15.5	15.5		81.5	2.5	9.0	67.1	2.9	3.0
Molybdenum, thousand pounds (Mo content)	37,317	65.4	65.4							34.6
Nickel, short tons (Ni content)	93,167	6.1	1.0	5.1	92.3	90.1		2.2		1.6
Petroleum, crude, million barrels	2,117	93.3	93.3		6.5		4.9	1.6		.2
Phosphate rock, thousand long tons (gross weight)	8,509	100.0	100.0							
Potash, thousand short tons (K_2O equivalent)	1,410	90.6	90.6		9.4			8.0	1.4	
Salt, common, thousand short tons	16,434	100.0	100.0							
Sulfur, thousand long tons (S content)	4,949	93.1	93.1							6.9
Tin, long tons (Sn content)	129,883	18.2	(5)	18.2	81.8	.1	11.0	69.4	1.3	
Tungsten ore and concentrates [6], short tons (gross weight)	20,850	19.7	19.7		80.3	1.1	15.8	26.4	37.0	
Zinc, thousand short tons (Zn content)	1,149	57.6	51.2	6.4	33.1	29.5	2.0	1.6	(5)	9.3

[1] Deduction for net export has been prorated among other sources of supply. Where there is an over-all net import, but a net export to a particular country group, deduction for such net export is prorated among net imports from other country groups.

[2] From "old" scrap only, that is, from material previously in use.

[3] Other countries outside U. S. S. R. bloc.

[4] Deduction for net increase in stocks has been prorated among other sources of supply.

[5] Less than 0.05 percent.

[6] 60 percent WO_3 basis.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 888.—Mineral Production—Indexes of Physical Volume: 1947 to 1953

[1947-49 average=100. The indexes shown here constitute a basic revision of the Federal Reserve index of industrial production. For details on composition and construction of the index, see *Federal Reserve Bulletin* December 1953. See also *Historical Statistics*, series G 6-8, for indexes on 1935-39 base]

Year	All minerals	Mineral fuels					Metal, stone, and earth materials		
		Total	Coal			Crude oil and natural gas	Total	Metal mining	Stone and earth materials
			Total	Anthracite	Bituminous				
1947	100	101	113	109	113	95	98	101	95
1948	106	106	108	109	108	105	104	105	104
1949	94	93	79	82	79	99	97	94	101
1950	105	103	92	84	93	109	111	108	114
1951	115	114	94	82	96	123	121	116	127
1952	114	113	83	78	84	128	115	108	123
1953	116	115	78	57	81	133	119	113	124

Source: Board of Governors of the Federal Reserve System. Totals and monthly data published in the *Federal Reserve Bulletin*.

No. 889.—Imports and Exports of Principal Mineral Products: 1950 to 1952

Mineral	Quantity				Value ($1,000)		
	Unit	1950	1951	1952	1950	1951	1952
IMPORTS							
Fuels: Petroleum	1,000 barrels	173,920	177,356	207,492	369,208	374,869	438,972
Nonmetallic minerals:							
Asbestos	Short tons	705,454	761,873	709,470	47,293	58,521	61,605
Diamonds:							
Gem	1,000 carats	926	1,135	1,148	102,273	110,170	103,864
Industrial	do	11,198	12,287	13,694	37,001	45,799	51,910
Mica	Short tons	18,511	18,597	13,048	23,660	22,517	14,681
Ores and concentrates:							
Bauxite	Long tons	2,516,247	2,162,902	3,497,939	15,730	13,874	23,194
Chromite	Short tons	1,303,714	1,429,020	1,708,968	23,299	25,506	38,595
Copper	Short tons of metal	87,712	78,235	100,220	33,032	37,722	54,596
Iron ore	1,000 long tons	8,297	10,148	9,772	44,027	59,555	82,903
Lead	Short tons of metal	96,587	32,749	110,357	21,184	8,636	33,253
Manganese ore	1,000 short tons	2,014	2,075	236	41,882	46,598	67,753
Tin	Long tons of metal	25,960	29,521	26,491	47,163	82,462	65,287
Tungsten	Short tons of metal	8,024	3,188	8,709	15,309	17,604	57,062
Metals (incl. scrap):							
Aluminum	Short tons	255,692	161,834	150,738	67,533	59,263	54,648
Copper	do	481,068	379,031	526,083	184,304	103,442	336,162
Lead	do	460,035	184,036	525,993	110,644	66,992	170,388
Nickel	do	97,302	102,448	118,482	77,107	96,102	113,052
Platinum group	Troy ounces	391,126	576,260	424,562	21,123	34,111	23,323
Tin	Long tons	82,986	28,402	80,919	153,099	74,591	215,879
Zinc	Short tons	158,897	94,950	116,723	39,621	31,552	36,818
EXPORTS							
Fuels:							
Anthracite	1,000 short tons	3,892	5,956	4,592	62,502	89,024	73,879
Bituminous coal	do	25,468	56,722	47,643	206,545	495,992	420,624
Petroleum	1,000 barrels	34,824	28,603	26,697	102,717	81,767	78,366
Nonmetallic minerals:							
Cement	do	2,418	2,933	3,174	7,275	9,964	11,149
Phosphate rock	Long tons	1,832,048	1,726,834	1,425,643	14,874	14,735	12,404
Potash material	Short tons	117,138	124,212	101,200	5,534	7,594	4,837
Sulfur, native	1,000 long tons	1,441	1,288	1,304	30,951	31,761	33,515
Metals (incl. scrap):							
Aluminum	Short tons	21,283	13,415	10,261	11,029	8,107	6,537
Copper	do	192,339	166,274	212,300	86,712	98,837	155,121
Iron and steel, scrap	1,000 short tons	208	220	336	5,255	6,457	11,035
Molybdenum [1]	Short tons	3,117	1,865	3,086	5,454	3,735	6,792
Nickel	do	3,645	4,622	7,091	4,064	6,059	7,513
Zinc	do	17,728	43,088	61,944	6,289	19,954	27,469

[1] Converted to short tons from content pounds.

Source: Department of Commerce, Bureau of the Census.

No. 890.—Employment and Injuries in Mineral Industries, by Industry Group: 1915 to 1952

[Excludes data on petroleum, natural gas, sand and gravel, clay, iron smelting and steel industries. For additional data for coal mines, see table 893. See also *Historical Statistics*, series G 131–158]

ITEM	1915	1920	1930	1940	1945	1950	1951	1952 (prel.)
Men working daily, total [1]	1,067,817	1,095,063	888,514	801,926	637,220	719,862	684,544	664,341
Coal mines	734,008	784,621	644,006	533,267	437,921	483,239	441,905	421,500
Metal mines [2]	152,118	136,583	103,233	120,120	71,665	80,269	84,103	80,200
Quarries	100,740	86,488	80,633	79,509	58,180	85,730	84,802	83,200
Coke plants	31,060	28,139	19,855	19,962	22,987	24,347	25,715	25,241
Metallurgical plants	49,891	59,232	40,787	49,068	46,467	46,277	48,019	48,200
Average active days, total	231	249	217	219	271	221	235	230
Coal mines	209	230	192	199	259	189	202	197
Metal mines [2]	280	296	270	242	289	275	281	268
Quarries	246	267	255	240	264	272	277	284
Coke plants	303	319	347	339	344	341	344	315
Metallurgical plants	333	332	327	295	329	314	318	319
Man-days worked, total (1,000 days)	246,847	272,526	192,525	175,665	172,672	159,442	160,558	152,937
Coal mines, do	153,479	180,385	123,894	106,239	113,424	91,231	89,365	82,875
Metal mines [2], do	42,599	40,362	27,870	20,046	20,689	22,034	23,642	23,078
Quarries, do	24,734	23,127	20,559	19,122	15,376	23,346	23,470	23,664
Coke plants, do	9,424	8,976	6,881	6,774	7,915	8,292	8,834	7,939
Metallurgical plants, do	16,611	19,676	13,321	14,484	15,268	14,539	15,247	15,381
Man-hours worked, total (1,000 hours)	[3]	[3]	[3]	1,385,128	1,437,533	1,259,437	1,270,186	1,202,938
Coal mines, do	1,339,279	1,451,162	1,102,902	840,416	958,591	711,390	697,247	642,380
Metal mines [2], do	[3]	[3]	[3]	230,728	165,908	176,221	189,548	184,960
Quarries, do	231,512	216,465	186,502	147,244	127,168	189,535	191,113	189,755
Coke plants, do	[3]	86,070	55,969	53,624	64,375	65,861	70,190	62,803
Metallurgical plants, do	[3]	[3]	[3]	113,116	121,491	116,430	122,088	123,040
Number of injuries:								
Fatal	3,076	2,985	2,492	1,716	1,270	843	980	770
Coal mines	2,269	2,272	2,063	1,388	1,068	643	785	548
Metal mines [2]	553	425	271	223	112	103	112	127
Quarries	148	178	105	72	53	54	57	71
Coke plants	38	49	28	15	18	14	10	8
Metallurgical plants	68	61	25	18	19	29	16	16
Nonfatal	[3]	[3]	126,740	80,856	73,411	53,229	52,155	53,196
Coal mines	[3]	[3]	99,981	57,776	57,117	37,264	35,553	37,020
Metal mines [2]	35,295	32,562	15,594	14,766	8,067	7,849	8,175	7,635
Quarries	9,671	11,217	7,417	5,188	4,121	4,762	4,945	4,980
Coke plants	2,852	3,415	1,022	544	835	780	768	546
Metallurgical plants	7,813	8,863	2,726	2,582	3,271	2,574	2,714	3,015
Permanent	[3]	[3]	3,684	2,912	1,707	1,497	1,429	[3]
Coal mines	[3]	[3]	2,728	2,151	1,109	963	950	[3]
Metal mines [2]	609	357	503	423	310	300	264	[3]
Quarries	523	337	265	172	89	172	169	[3]
Coke plants	[3]	79	32	22	34	31	25	30
Metallurgical plants	[3]	149	156	144	165	31	21	[3]
Injury rates per million man-hours:								
Fatal	[3]	[3]	[3]	1.24	.88	.67	.77	.64
Coal mines	1.69	1.57	1.87	1.65	1.11	.90	1.13	.85
Metal mines [2]	[3]	[3]	[3]	.97	.68	.58	.59	.69
Quarries	.64	.82	.56	.49	.42	.28	.30	.37
Coke plants	[3]	.57	.50	.28	.28	.21	.14	.13
Metallurgical plants	[3]	[3]	[3]	.16	.16	.25	.13	.13
Nonfatal	[3]	[3]	[3]	58.37	51.07	42.26	41.06	44.22
Coal mines	[3]	[3]	90.65	68.75	59.58	52.38	50.99	57.63
Metal mines [2]	[3]	[3]	[3]	64.00	48.62	44.54	43.13	41.28
Quarries	41.77	51.82	39.77	35.23	32.41	25.12	25.87	26.24
Coke plants	[3]	39.68	18.26	10.14	12.97	11.84	10.94	8.99
Metallurgical plants	[3]	[3]	[3]	22.83	26.92	22.11	22.23	24.50
Injury rates per thousand 300-day workers, for all mines except coal:								
Fatal	3.89	3.16	2.92	2.30	1.62	1.40	1.83	1.51
Nonfatal	248.56	242.02	167.86	152.51	116.66	106.87	97.45	104.35

[1] Average number of men at work each day mine was active. Because absenteeism and labor turnover are taken into consideration, this number is lower than number of men available for work as measured by a count of names on payroll.

[2] Includes nonmetal mines except coal and quarries. [3] Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook* and records.

No. 891.—Coal—Production, Consumption, Imports, and Exports: 1910 to 1952

[Quantities in thousands of short tons except as indicated; values in thousands of dollars. Includes coal consumed at mines. See also *Historical Statistics*, series G 13–42]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Total coal production:								
Quantity	501,596	658,265	536,911	512,257	632,551	560,388	576,335	507,423
Value, total	629,557	2,564,185	1,150,057	1,084,817	2,092,148	2,892,772	3,031,848	2,668,894
BITUMINOUS COAL [1]								
Production:								
Quantity	417,111	568,667	467,526	460,772	577,617	516,311	533,665	466,841
Value, total	469,282	2,129,933	795,483	879,327	1,768,204	2,500,374	2,626,030	2,289,180
Average per ton	1.12	3.75	1.70	1.91	3.06	4.84	4.92	4.90
Exports:								
Quantity	12,078	38,517	15,877	16,466	27,956	25,468	56,722	47,643
Value	26,685	304,273	59,186	60,832	147,954	206,545	496,944	420,024
Imports:								
Quantity	2,225	1,245	241	372	467	347	292	262
Value	4,761	6,734	1,135	1,501	2,294	2,369	2,019	1,793
Consumption		508,595	454,000	430,910	559,567	454,202	468,904	418,757
Number of mines	5,818	8,921	5,891	6,324	7,033	9,429	8,009	7,275
Average number of men employed	555,533	639,547	493,202	439,075	383,100	[2] 415,582	[2] 372,897	[2] 335,217
Calculated capacity [3] (millions of net tons):								
At 308 days per year	592	796	770	703	682	867	809	771
At 280 days per year	538	725	700	639	620	790	736	703
At 261 days per year	502	675	653	595	578	734	685	654
Average number of days worked	217	220	187	202	261	183	203	186
Average tons per man:								
Per day	3.46	4.00	5.06	5.19	5.78	6.77	7.04	7.47
Per year	751	881	948	1,049	1,508	1,239	1,429	1,389
Percent underground production:								
Cut by machines	41.7	60.7	81.0	88.4	90.8	92.6	94.9	95.1
Mechanically loaded			10.5	35.4	56.1	69.4	73.1	75.6
Percent total production:								
Mechanically cleaned	3.8	3.3	8.3	22.2	25.6	38.5	45.0	48.7
Mined by stripping		1.5	4.3	9.2	19.0	23.9	22.0	23.3
ANTHRACITE (PA.) [4]								
Production:								
Quantity	84,485	89,598	69,385	51,485	54,934	44,077	42,670	40,583
Value, total	160,275	434,252	354,574	205,490	323,944	392,398	405,818	379,714
Average per ton	1.90	4.85	5.11	3.99	5.90	8.90	9.51	9.36
Exports:								
Quantity	3,384	5,404	2,552	2,668	3,691	3,892	5,956	4,592
Value	14,785	45,538	24,509	21,210	36,435	62,502	89,112	73,879
Imports:								
Quantity	9	32	675	135	[5]	18	27	29
Value	42	258	4,376	976	1	255	394	508
Consumption (apparent)	81,110	85,786	67,628	49,000	51,600	39,900	37,000	35,300
Average number of men employed	169,497	145,074	150,804	91,313	72,842	72,624	68,995	65,923
Average number of days worked	229	271	208	186	269	211	208	201
Average tons per man:								
Per day	2.17	2.28	2.21	3.02	2.79	2.83	2.97	3.06
Per year	498	618	460	562	751	597	618	615
Quantity cut by machines	[6] 70	938	1,410	1,815	1,210	612	496	386
Quantity mined by stripping		2,054	2,536	6,353	10,056	11,834	11,136	10,697
Quantity loaded mechanically underground			4,468	12,326	13,928	12,336	10,848	10,034
World total, bituminous coal, lignite and anthracite (1,000,000 metric tons)	1,166	1,319	1,414	1,799	1,356	1,814	1,923	1,932

[1] Data relate to mines having output of 1,000 tons a year or more, including lignite and small output of anthracite produced outside Pennsylvania. Includes Alaska. [2] Average number of men working daily.
[3] Capacity of active mines with existing labor force, derived on basis of average output per day.
[4] Beginning 1945, production data include some bootleg coal purchased by anthracite industry for preparation and shipment to market. Data on employment, however, exclude such purchased coal as complete employment data on "bootleg" holes are not available. [5] Less than 500 tons. [6] For 1911.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook* and annual bulletins.

No. 892.—Coal—Production, by States: 1931 to 1952

[In thousands of short tons. Includes coal consumed at mines. See also *Historical Statistics*, series G 13 and 16]

STATE	1931–1935, avg.	1936–1940, avg.	1941–1945, avg.	1946–1950, avg.	1948	1949	1950	1951	1952
Total quantity	405,108	468,860	636,037	595,972	656,658	480,570	560,388	576,335	507,423
Anthracite (Pa.)	53,674	51,101	59,195	52,323	57,140	42,702	44,077	42,670	40,583
Bituminous	351,434	417,758	576,842	543,649	599,518	437,868	516,311	533,665	466,841
Alabama	9,252	12,620	17,783	16,278	18,801	12,934	14,422	13,597	11,383
Arkansas	1,012	1,387	1,821	1,459	1,662	962	1,169	1,107	873
Colorado	5,711	6,435	7,830	5,360	5,631	4,636	4,259	4,103	3,623
Illinois	40,198	48,367	68,442	60,034	65,342	47,208	56,291	54,200	45,700
Indiana	14,386	17,232	25,216	21,500	23,849	16,550	19,957	19,451	16,350
Iowa	3,492	3,376	2,569	1,752	1,670	1,725	1,891	1,630	1,381
Kansas	2,270	2,949	3,654	2,386	2,538	2,031	2,125	1,961	2,029
Kentucky	38,130	44,970	64,020	74,791	82,084	62,583	78,495	74,972	66,114
Maryland	1,654	1,496	1,854	1,406	1,661	668	648	589	588
Michigan	402	510	195	26	13	12	11	7	----
Missouri	3,624	3,577	3,947	3,720	4,023	3,647	2,963	3,269	2,955
Montana [1]	2,396	2,871	4,245	3,017	2,898	2,766	2,520	2,345	2,070
New Mexico	1,338	1,378	1,600	1,164	1,364	1,004	727	783	760
North Dakota [1]	1,750	2,161	2,447	2,901	2,961	2,967	3,261	3,224	2,984
Ohio	19,151	22,188	32,190	35,458	38,708	30,961	37,761	37,949	36,209
Oklahoma	1,368	1,444	2,623	3,046	3,462	3,022	2,679	2,223	2,103
Pennsylvania	86,592	101,556	138,876	120,441	134,542	89,215	105,870	108,164	89,181
Tennessee	4,062	5,197	7,184	5,520	6,483	4,172	5,070	5,401	5,205
Texas	[1] 738	[1] 816	[1] 200	[2] 48	[2] 57	[2] 49	[2] 18	----	----
Utah	2,846	3,373	6,012	6,613	6,813	6,160	6,670	6,136	6,140
Virginia	8,923	13,324	19,121	17,190	17,999	14,584	17,667	21,400	21,579
Washington	1,555	1,744	1,641	1,020	1,220	899	874	857	844
West Virginia	95,748	112,932	154,335	151,153	168,862	122,610	144,116	163,310	141,713
Wyoming	4,545	5,617	8,664	6,889	6,412	6,001	6,348	6,430	6,088
Other States and Alaska	201	238	374	476	463	502	499	557	729

[1] Bituminous and lignite. [2] Lignite only.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*. Current data also published in annual report, *Bituminous Coal and Lignite*.

No. 893.—Coal—Employment, Fatalities and Injuries at Mines: 1911 to 1952

[See also table 890 and *Historical Statistics*, series G 144–158]

ITEM	1911	1920	1930	1940	1945	1950	1951	1952 [1]
ALL COAL MINES								
Total coal production (1,000 tons)	496,371	658,265	536,911	512,808	631,523	560,388	576,335	507,423
Tons per man-hour	.38	.45	.49	.61	.66	.79	.83	.79
Employment:								
Number of employees	728,348	784,621	644,006	533,267	437,921	483,239	441,905	421,500
Active days	220	230	192	199	259	189	202	197
Man-hours (1,000)	1,302,108	1,451,162	1,102,902	840,416	958,591	711,390	697,247	642,380
Number of men killed	2,656	2,272	2,063	1,388	1,068	643	785	548
Per million tons coal mined	5.35	3.45	3.84	2.71	1.69	1.15	1.36	1.08
Per thousand men employed	3.65	2.90	3.20	2.60	2.44	1.33	1.78	1.30
Per thousand 300-day workers	4.97	3.78	5.00	3.92	2.82	2.11	2.64	1.98
Number of men injured	[2]	[2]	99,981	57,776	57,117	37,264	35,553	37,020
Per million tons coal mined	[2]	[2]	186.22	112.67	90.44	66.50	61.69	72.96
BITUMINOUS COAL MINES								
Number of men killed	1,957	1,781	1,619	1,204	925	550	684	449
Per million tons coal mined	4.82	3.13	3.46	2.61	1.60	1.07	1.28	.96
Per thousand men employed	3.53	2.78	3.28	2.73	2.53	1.35	1.84	1.26
Per thousand 300-day workers	5.02	3.79	5.26	4.07	2.96	2.19	2.74	1.95
Number of men injured	[2]	[2]	71,217	43,994	46,194	28,390	28,081	31,015
Per million tons coal mined	[2]	[2]	152.33	95.37	80.12	54.99	52.62	66.44
ANTHRACITE MINES								
Number of men killed	699	491	444	184	143	93	101	99
Per million tons coal mined	7.73	5.48	6.40	3.57	2.60	2.11	2.37	2.44
Per thousand men employed	4.02	3.38	2.94	1.99	1.96	1.25	1.45	1.50
Per thousand 300-day workers	4.90	3.74	4.22	3.16	2.19	1.77	2.09	2.18
Number of men injured	[2]	[2]	28,764	13,782	10,923	8,874	7,472	6,005
Per million tons coal mined	[2]	[2]	414.56	267.67	198.60	201.33	175.11	147.97

[1] Preliminary. [2] Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*, annual bulletin, *Injury Experience in Coal Mining*, and records.

No. 894.—Consumption of Bituminous Coal and Lignite, by Consumer Class, With Retail Deliveries: 1940 to 1952

[In thousands of short tons]

Year	Total of classes shown	Colliery fuel	Electric power utilities [1]	Bunker, foreign trade [2]	Railroads (class I) [3]	Coke		Steel and rolling mills	Coal-gas retorts	Cement mills [4]	Other industrials [5]	Retail-dealer deliveries [5]
						Beehive ovens	By-product ovens					
1940	430,910	2,443	49,126	1,426	85,130	4,803	76,583	10,040	1,746	5,633	106,280	87,700
1945	559,567	2,442	71,603	1,785	125,120	8,135	87,214	19,084	(6)	4,215	127,164	121,805
1946	500,386	1,951	68,743	1,381	110,166	7,167	76,121	8,603	(6)	7,009	118,659	100,586
1947	545,891	(6)	86,009	1,689	109,296	10,475	94,325	10,048	(6)	7,938	126,948	99,163
1948	519,909	(6)	95,620	1,057	94,838	10,322	96,984	10,046	(6)	8,554	112,741	89,747
1949	445,538	(6)	80,610	874	68,123	5,354	85,882	7,451	(6)	7,988	98,957	90,299
1950	454,202	(6)	88,262	717	60,969	9,088	94,757	7,698	(6)	7,943	98,164	86,604
1951	468,904	(6)	101,898	890	54,005	11,418	102,030	7,973	(6)	8,525	105,634	76,531
1952	418,757	(6)	103,309	723	37,962	6,912	90,702	6,820	(6)	8,073	95,863	68,393

[1] Federal Power Commission. Represents consumption by public-utility power plants in power generation, including a small quantity of coke amounting to approximately 100,000 tons annually.
[2] U. S. Bureau of the Census.
[3] Association of American Railroads. Represents consumption by class I railways for all uses, including locomotive, powerhouse, shop, and station fuel. The I. C. C. reports that in 1951 consumption for all uses by class I line-haul railways, plus purchases for class II and class III railways, plus purchases by all switching terminal companies combined, was 56,196,152 tons of bituminous coal and lignite; similar data not yet available for 1952.
[4] Includes small amount of anthracite.
[5] Estimates based upon reports collected from a selected list of representative manufacturing plants and retailers.
[6] Included in "Other industrials."

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 895.—Work Stoppages in Anthracite and Bituminous Coal-Mining Industries, by Major Issues Involved: 1940 to 1953

[Excludes work stoppages involving fewer than 6 workers or lasting less than 1 day. Figures are for stoppages beginning in years shown. For combined statistics covering work stoppages in all industries, see table 255]

Coal-mining industry and year	Number of work stoppages [1]				Number of workers involved [3]				Number of man-days idle			
	Total	Major issues			Total	Major issues			Total	Major issues		
		Wages and hours	Union organization [2]	Miscellaneous		Wages and hours	Union organization [2]	Miscellaneous		Wages and hours	Union organization [2]	Miscellaneous
Anthracite:												
1940	25	1	3	21	17,355	62	2,308	14,985	105,399	496	30,470	74,433
1945	43	18	------	25	87,700	74,500	-------	13,200	1,163,000	1,108,000	----------	55,000
1946	34	5	1	28	109,000	81,700	20	27,600	649,000	545,000	310	104,000
1947	28	6	------	22	21,300	6,520	-------	14,800	159,000	105,000	----------	53,800
1948	26	5	1	20	54,500	5,710	20	48,800	274,000	33,000	100	241,000
1949	34	8	------	26	218,000	72,500	-------	145,000	1,400,000	600,000	----------	799,000
1950	41	13	------	28	22,200	11,200	-------	10,900	80,100	27,700	----------	52,400
1951	30	5	------	25	23,900	6,430	-------	17,500	81,200	53,900	----------	27,400
1952	41	6	1	34	32,300	890	110	31,300	104,000	13,600	110	90,100
1953	24	3	1	20	14,900	550	200	14,100	108,000	670	1,800	106,000
Bituminous:												
1940	34	4	10	20	24,372	272	3,451	20,649	153,296	15,954	16,214	121,128
1945 [4]	598	144	49	399	581,500	203,100	238,500	139,400	5,007,000	984,000	3,308,000	713,000
1946	485	102	42	341	834,000	708,000	10,300	116,000	19,500,000	18,800,000	142,000	512,000
1947	415	74	22	319	490,000	20,400	347,000	122,000	2,190,000	184,000	1,550,000	450,000
1948	561	82	42	437	582,000	337,000	51,900	192,000	9,560,000	8,230,000	438,000	900,000
1949	421	50	27	344	1,130,000	345,000	3,000	780,000	16,700,000	12,400,000	39,800	4,220,000
1950	430	54	34	342	165,000	27,500	6,230	131,000	9,320,000	8,810,000	52,100	456,000
1951	549	73	58	418	213,000	28,400	13,400	171,000	887,000	81,200	80,700	725,000
1952	560	97	26	437	472,000	26,500	7,600	438,000	2,760,000	98,500	39,600	2,620,000
1953	392	46	18	328	130,000	11,300	3,220	115,000	418,000	44,000	36,500	338,000

[1] Formerly designated "strikes and lockouts."
[2] Wages and hours were important issues also in some of these disputes.
[3] Workers counted more than once if involved in more than 1 stoppage during the year. Thus in 1949, 365,000 to 400,000 coal miners were idle on 3 distinct occasions, accounting for 1,150,000 of a total of 3,030,000 workers.
[4] Totals include 6 stoppages, involving 500 workers and 2,000 man-days, in which issues were not reported.

Source: Department of Labor, Bureau of Labor Statistics; annual bulletins on work stoppages, and official records.

No. 896.—Coke—Production, Exports, and Imports: 1910 to 1952

[See also *Historical Statistics*, series G 43-56]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Production, total—1,000 short tons	41,709	51,345	47,972	57,072	67,308	72,718	79,331	68,254
Oven coke—do	7,139	30,834	45,196	54,014	62,094	66,891	71,987	63,850
Percent of total	17.1	60.1	94.2	94.6	92.3	92.0	90.7	93.5
Beehive coke—1,000 short tons	34,570	20,511	2,776	3,058	5,214	5,827	7,344	4,404
Value of coke at plant, total—$1,000,000	108	581	378	442	699	1,279	1,474	1,306
Beehive coke—do	75	163	10	14	38	77	102	61
Oven coke—do	25	318	200	260	470	900	1,017	925
All coal-chemical materials—do	8	105	168	168	191	302	355	320
Average value per ton at plant	$2.39	$9.27	$4.36	$4.80	$7.56	$13.43	$14.11	$14.45
Coal charged—million short tons	63.1	76.2	69.8	81.4	95.7	104.0	113.7	97.8
Value, average per ton	$2.39	$4.44	$3.36	$3.58	$5.13	$8.41	$8.66	$9.02
Yield of coke from coal—percent	66.1	67.4	68.7	70.1	70.4	69.9	69.8	69.8
Ovens in existence end of year—number	104,440	86,179	36,738	27,884	26,689	32,690	35,777	33,159
Coke (slot type)—do	4,078	10,881	12,831	12,734	14,510	14,982	15,319	15,608
Beehive—do	100,362	75,298	23,907	15,150	12,179	17,708	20,458	17,551
Coke ovens under construction end of year[1]—do	1,200	306	276	492	335	706	1,446	1,075
Exports—1,000 short tons	985	920	1,004	804	1,479	398	1,027	792
Imports—do	173	41	133	113	52	438	162	313

[1] Slot-type.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 897.—Coke—Oven and Beehive Production, by States: 1915 to 1952

[In thousands of short tons. Exclusive of screenings or breeze]

STATE	1915	1920	1925	1930	1935	1940	1945	1950	1951	1952
OVEN										
Total	**14,073**	**30,834**	**39,912**	**45,196**	**34,224**	**54,014**	**62,094**	**66,891**	**71,987**	**63,850**
Alabama	2,070	3,124	4,582	3,087	1,994	4,727	5,401	5,833	6,291	5,712
Colorado		517	490	379	207	544	639	805	995	816
Illinois	1,687	2,137	3,012	3,576	1,669	3,015	3,682	3,591	3,686	3,391
Indiana	2,768	4,554	5,142	4,984	3,768	6,413	7,814	8,256	8,843	7,611
Maryland	313	682	1,019	1,169	930	1,683	2,025	2,367	2,855	2,491
Massachusetts	504	488	536	863	1,006	1,130	1,150	855	1,109	1,055
Michigan	(1)	1,393	1,751	2,604	2,482	2,872	2,806	2,731	2,920	2,863
Minnesota	128	675	518	641	430	524	826	834	972	868
New Jersey	269	726	904	919	917	1,016	1,284	1,481	1,539	1,472
New York	684	1,040	2,220	3,850	4,099	5,080	5,790	5,412	5,611	4,343
Ohio	666	5,615	7,105	6,163	5,101	7,898	9,406	10,314	11,151	9,639
Pennsylvania	3,092	7,730	9,853	12,529	8,078	14,862	15,255	16,333	17,250	15,101
West Virginia	141	447	1,056	1,479	1,604	1,900	2,462	3,389	3,330	3,798
All other States	1,749	1,706	1,725	2,051	1,939	2,350	3,556	4,690	4,935	4,690
BEEHIVE										
Total	**27,508**	**20,511**	**11,355**	**2,776**	**917**	**3,058**	**5,214**	**5,827**	**7,344**	**4,404**
Pennsylvania	22,531	15,908	9,574	2,011	564	2,550	4,584	5,193	6,396	3,751
Ohio	19	87	156							
West Virginia	1,250	1,381	490	422	155	233	288	302	432	284
Alabama	1,001	890	88							
Kentucky	285	273	(1)			(1)	74	(1)	(1)	(1)
Tennessee	234	163	128	25	3	5			2	
Virginia	630	1,028	422	220	138	198	191	198	287	202
Colorado	671	273	155	79	49	62	73		1	1
Utah	(1)	(1)	146	7	6	7	4	85	102	85
All other States	887	509	196	12	2	1		49	124	81

[1] Included in figure for "All other States."

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 898.—Natural Gas—Production, Consumption, and Value: 1930 to 1952

[See also *Historical Statistics*, series G 59–61 for production and value figures]

ITEM	1930	1935	1940	1945	1950	1951	1952
Total marketed production, million cu. ft.	1,943,421	1,916,595	2,660,222	3,918,686	[1] 6,282,060	[1] 7,457,359	[1] 8,013,457
Value (at wells) of gas produced, $1,000	147,048	110,402	120,493	191,006	408,521	542,964	623,649
Average per 1,000 cu. ft., cents	7.6	5.8	4.5	4.9	6.5	7.3	7.8
Number of producing gas wells, Dec. 31	55,020	53,790	53,880	60,660	64,900	65,100	65,450
Total consumption, million cu. ft.	1,941,644	1,909,901	2,654,659	3,900,479	6,026,404	7,102,562	7,613,478
Domestic, do.	295,700	313,498	443,646	607,400	1,198,369	1,474,725	1,621,966
Commercial, do.	80,707	100,187	134,644	230,099	387,838	464,309	515,669
Industrial, do.	1,565,237	1,496,216	2,076,369	3,062,980	4,440,197	5,163,528	5,475,843
Value (at point of consumption) of gas consumed, total, $1,000	415,519	428,074	577,004	834,195	1,604,041	2,118,675	2,527,319
Domestic, do.	200,615	233,940	315,515	415,122	826,393	1,120,819	1,347,171
Commercial, do.	38,558	49,386	64,399	97,572	184,430	245,609	294,187
Industrial, do.	176,346	144,748	197,090	321,501	593,218	752,247	885,961
Average per 1,000 cu. ft., cents	21.4	22.4	21.7	21.4	26.6	29.8	33.2
Domestic, do.	67.8	74.6	71.1	68.3	69.0	76.0	83.1
Commercial, do.	47.8	49.3	47.8	42.4	47.6	52.9	57.0
Industrial, do.	11.3	9.7	9.5	10.5	13.4	14.6	16.2
Number of consumers:							
Domestic, thousands	5,035	7,391	9,245	10,959	16,906	21,444	22,569
Commercial, do.	413	613	741	889	1,347	1,614	1,855
Industrial [2], do.	21	30	41	46	[3]	[3]	[3]

[1] Includes gas stored and lost in transmission, as well as that sold or consumed by producer.
[2] Excludes oil- and gas-field operators.
[3] Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 899.—Natural Gasoline—Production and Value: 1930 to 1952

[**Barrels of 42 gallons.** See also *Historical Statistics*, series G 62–64]

ITEM	1930	1935	1940	1945	1950	1951	1952
Total produced, 1,000 barrels	[1]	[1]	[1]	112,004	181,961	204,754	223,515
Natural gasoline and natural-gasoline mixtures, 1,000 barrels	52,631	39,333	51,755	59,494	76,873	83,880	87,280
Liquified petroleum gases, do.	[1]	[1]	[1]	33,648	72,282	86,377	102,033
Other products, do.			3,945	18,862	32,806	34,497	34,202
Value at plants:							
Natural gasoline, $1,000	128,160	70,940	[2] 68,261	112,018	213,810	254,319	259,088
Liquefied petroleum gases, do.	[1]	[1]	[1]	41,994	97,773	138,443	161,092
Other products, do.			[2]	33,552	108,022	115,399	112,380
Average value per gallon, all light products, cents	[3] 5.8	[3] 4.3	[3] 2.9	4.0	5.5	5.9	5.7
Natural gas treated, million cu. ft.	2,088,778	1,822,000	2,471,400	3,653,870	5,341,804	6,203,070	6,418,597
Average yield, all light products gal. per 1,000 cu. ft.	[1]	[1]	[1]	1.29	1.43	1.39	1.46

[1] Not available.
[2] Other products included with natural gasoline.
[3] Does not cover liquefied petroleum gases.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 900.—Natural Gas and Natural Gasoline—Production, by States

[**Gas in millions of cubic feet; gasoline in thousands of barrels of 42 gallons.** Production figures for gas (except as noted) refer only to that used by the ultimate consumer, in addition to which considerable quantities are used by producers, and large quantities are wasted or lost. Consumption figures by States differ greatly from production figures by reason of interstate transportation]

STATE	NATURAL GAS—MARKETED PRODUCTION					Natural gas reserves, 1951 [1]	NATURAL GASOLINE PRODUCED [2]		
	1930	1940	1945	1950	1951		1950	1951	1952
Total	**1,943,421**	**2,660,222**	**3,918,686**	**[3] 6,282,060**	**[3] 7,457,359**	**193,811,500**	**181,961**	**204,754**	**223,515**
Arkansas	18,585	14,379	46,600	48,047	44,056	931,314	2,333	2,348	2,640
California	334,789	351,950	502,442	558,308	566,751	9,482,446	28,328	29,533	30,114
Illinois	2,890	8,359	16,603	13,285	11,425	227,133	3,107	[4] 2,971	[4] 2,826
Kansas	37,630	90,003	145,959	364,024	417,538	13,457,498	3,687	4,266	4,586
Kentucky	28,023	53,056	81,714	73,316	76,097	1,325,588	1,779	2,166	4,449
Louisiana	278,341	343,191	542,789	831,771	1,054,199	20,005,031	20,768	22,482	23,083
Michigan	2,075	12,648	21,874	11,250	11,194	203,025	79	(4)	(4)
Mississippi	179	6,365	4,587	114,153	158,845	2,439,969	1,312	1,202	1,270
Montana	10,060	26,231	31,829	39,186	36,424	828,107	251	277	[5]
New Mexico	9,497	63,990	105,023	212,909	300,169	11,589,979	5,019	5,588	6,627
New York	9,624	12,187	9,210	3,336	3,214	66,793	----------	[6]	[6]
Ohio	63,394	40,639	49,967	43,163	38,879	689,135	103	107	38
Oklahoma	348,116	257,626	357,530	482,360	538,756	11,804,337	14,733	17,542	18,613
Pennsylvania	88,706	90,725	82,188	91,137	128,715	619,455	246	[6] 210	[6] 190
Texas	517,880	1,063,538	1,711,401	3,126,402	3,781,136	105,653,229	93,650	108,531	120,154
West Virginia	144,180	188,751	160,225	189,980	191,146	1,671,499	4,623	4,951	5,788
Wyoming	43,219	27,346	35,282	62,062	71,508	2,340,298	1,551	1,960	2,154
Other States	6,283	9,238	13,403	17,281	26,707	[7] 1,476,665	392	620	[5] 983

[1] Estimated recoverable proved reserves. Offshore reserves included for California, Louisiana, and Texas. Excludes gas loss due to natural-gas liquids recovery. Source: American Gas Association.
[2] Includes liquefied petroleum gases and other allied products.
[3] Includes gas stored and lost in transmission, as well as that sold or consumed by producer.
[4] Michigan included with Illinois. [5] Montana included with "Other States."
[6] New York included with Pennsylvania.
[7] Includes 1,138,451,000,000 cubic feet for Colorado.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 901.—Petroleum Pipe Lines—Summary: 1925 to 1952

[**All figures, except miles of line operated, in thousands of dollars**]

YEAR	Miles of line operated	Investment in pipe lines	Other investments	Pipe-line operating revenues	Pipe-line operating expenses	Pipe-line operating income	Net income
1925	70,009	511,088	93,896	164,545	80,232	70,966	88,495
1930	88,727	772,711	96,184	237,910	99,363	121,816	123,741
1935	92,037	763,009	119,071	197,368	89,364	79,586	78,249
1938	95,775	807,657	70,666	228,211	98,756	95,128	92,724
1939	98,681	829,646	65,124	212,466	97,130	83,401	80,823
1940	100,156	841,977	64,095	225,760	101,919	82,558	79,857
1941	105,435	885,317	45,687	251,685	110,448	81,604	79,468
1942	106,485	918,848	44,525	245,061	123,507	58,332	56,846
1943	108,783	965,464	39,891	276,652	148,448	62,620	61,302
1944	111,615	1,000,741	62,767	310,194	172,368	67,840	65,715
1945	113,351	1,042,523	86,713	304,268	191,668	67,127	66,941
1946	116,544	1,106,454	69,991	293,723	183,869	56,485	56,094
1947	119,298	1,225,168	56,455	325,224	214,682	54,415	53,145
1948	124,092	1,381,402	52,168	377,034	252,971	58,806	56,679
1949	124,984	1,497,579	78,285	376,452	249,368	63,282	57,743
1950	128,589	1,655,973	100,798	441,627	254,701	89,047	81,303
1951	131,457	1,821,880	70,011	523,973	290,144	91,265	82,006
1952	132,715	2,064,405	107,412	562,268	310,311	111,053	96,650

Source: Interstate Commerce Commission; annual report, *Statistics of Oil Pipe Line Companies.*

No. 902.—Crude Petroleum, Refined Products, and Natural Gasoline—Production and Stocks: 1910 to 1953

[Barrels of 42 gallons. See also *Historical Statistics*, series G 57–58]

ITEM	1910	1920	1930	1940	1945	1950	1952	1953
Crude petroleum:								
Domestic production...1,000 bbl.	209,557	442,929	898,011	1,353,214	1,713,655	1,973,574	2,289,836	2,359,998
Value...$1,000	127,900	1,360,745	1,070,200	1,385,440	2,094,250	4,963,380	5,785,230	(1)
World production...1,000 bbl.	327,763	688,884	1,411,904	2,144,050	2,594,798	3,796,658	4,498,057	(1)
U. S. proportion of world total...percent	64	64	64	63	66	52	51	(1)
Imports [2]...1,000 bbl.	571	106,175	62,129	42,662	74,337	177,714	209,501	236,576
Exports [2]...do	4,288	9,295	23,705	51,496	32,998	34,823	26,696	19,931
Stocks, end of period:								
Gasoline-bearing crude...do	131,030	149,448	408,809	264,709	218,763	248,463	271,928	276,676
California heavy crude...do	(1)	(3)	(3)	11,906	4,496			
Runs to stills...do	(1)	433,915	927,447	1,294,162	1,719,534	2,094,867	2,441,259	2,554,865
Total value at wells...$1,000	127,900	1,360,745	1,070,200	1,385,440	2,094,250	4,963,380	5,785,230	(1)
Average price per barrel at wells	$0.61	$3.07	$1.19	$1.02	$1.22	$2.51	$2.53	(1)
Refined products:								
Imports [2]...1,000 bbl.	(1)	2,647	43,489	41,089	39,282	132,547	138,916	146,581
Exports [2]...do	(1)	70,281	132,794	78,970	149,985	76,483	131,492	126,736
Stocks, end of period...do	(1)	[3] 60,307	[3] 254,311	280,958	235,998	326,892	[4] 394,019	440,634
Output of motor fuel...do	(1)	118,022	440,728	616,695	708,194	1,024,462	1,102,965	[5]1,206,925
Yield of gasoline...percent	(1)	26.1	42.0	43.1	40.9	43.6	43.0	(1)
Completed refineries, end of year	(1)	415	435	556	393	357	343	(1)
Daily crude-oil capacity of refineries...1,000 bbl.	(1)	1,889	3,943	4,719	5,316	6,964	7,639	(1)
Average dealer's net price (excl. tax) of gasoline in 50 U. S. cities [6]...cents per gal.	(1)	28.05	14.49	9.08	10.33	15.10	15.27	(1)
Natural gasoline:								
Production...1,000 bbl.	(1)	9,161	52,631	55,700	112,004	181,961	223,515	241,891
Stocks, end of period...do	(1)	(1)	2,377	5,704	4,322	7,355	7,807	10,428

[1] Not available.
[2] Import and export figures from Bureau of Census, except for imports of crude petroleum for 1940 and later years which are as reported to Bureau of Mines. Exports include shipments to noncontiguous Territories and possessions.
[3] Figure for California heavy crude included in refined products.
[4] New basis.
[5] Excluding jet fuel.
[6] American Petroleum Institute figures; prior to 1940, average tank-wagon prices.

Source: Department of the Interior, Bureau of Mines (except as noted); *Minerals Yearbook*.

No. 903.—Petroleum—Runs to Stills and Refinery Products, by Class: 1930 to 1953

[In thousands of barrels of 42 gallons]

PRODUCT	1930	1935	1940	1945	1950	1951	1952	1953
Input, total	970,617	996,815	1,333,709	1,789,858	2,189,506	2,469,654	2,545,157	2,666,158
Crude petroleum, total	927,447	965,790	1,294,162	1,719,534	2,094,867	2,370,404	2,441,259	2,554,865
Domestic	866,615	933,659	1,252,304	1,645,862	1,918,854	2,188,677	2,235,198	2,321,699
Foreign	60,832	32,131	41,798	73,672	176,013	181,727	206,061	233,166
Natural gasoline	43,170	31,025	39,547	70,324	94,639	99,250	103,898	111,293
Output, total	970,617	996,815	1,333,709	1,789,858	2,189,506	2,469,654	2,545,157	2,666,158
Gasoline	432,241	457,842	597,375	774,460	998,093	[1] 1,108,886	[1] 1,155,916	[1] 1,233,954
Kerosene	49,208	55,813	73,882	81,024	118,512	135,742	132,300	123,200
Distillate fuel oil	81,551	100,235	183,304	249,224	398,912	475,801	520,378	528,111
Residual fuel oil	290,947	259,826	316,221	469,492	425,217	469,377	453,897	449,979
Lubricants	34,201	27,853	36,765	41,867	51,735	61,489	55,600	52,545
Wax (1 bbl.=280 lb.)	1,956	1,608	1,833	2,921	4,462	4,814	4,331	4,978
Coke (5 bbl.=1 s. ton)	9,895	7,290	7,633	10,115	17,224	18,977	18,123	21,607
Asphalt (5.5 bbl.=1 s. ton)	18,194	17,133	29,406	39,196	58,240	66,302	70,312	72,409
Still gas (1 bbl.=3,600 cu. ft.)	5,377	51,184	75,950	103,458	83,743	96,294	95,275	102,243
Road oil	5,425	6,030	7,771	2,686	6,928	6,100	6,998	6,594
Other finished products	2,377	1,888	3,202	19,080	33,800	40,246	38,226	42,397
Crude gasoline (net)		1,032	902	[1] 4,892	243	[1] 353	489	[2]
Other unfinished oils (net)	2,242	[1] 2,412	[1] 3,848	[1] 5,727	[1] 6,891	[1] 11,367	[1] 4,136	[1] 422
Shortage	37,003	11,493	3,313	6,954	[3] 712	[3] 2,643	[3] 2,552	[3] 7,184
Jet fuel								[4] 35,747

[1] Negative quantity; represents net excess of unfinished oils rerun over unfinished oils produced.
[2] Included in gasoline.
[3] Negative quantity.
[4] Jet fuel separated from its components (gasoline, kerosene, and distillate fuel) and shown for the first time.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 904.—Petroleum, Crude—Production, 1931 to 1952, and Reserves, 1951 and 1952, by States

[In thousands of barrels of 42 gallons]

STATE	PRODUCTION							PROVED RESERVES	
	1931–1935 (average)	1936–1940 (average)	1941–45 (average)	1946–1950 (average)	1950	1951	1952	1951	1952
United States [1]	889,311	1,242,276	1,537,209	1,885,325	1,973,574	2,247,711	2,289,836	27,468,000	27,961,000
Arkansas	12,144	17,485	27,717	30,220	31,108	29,798	29,440	337,000	352,000
California	184,221	230,256	280,210	329,694	327,607	354,561	359,450	3,761,000	3,851,000
Colorado	1,260	1,539	2,958	18,462	23,303	27,823	30,381	325,000	305,000
Illinois	4,551	55,722	94,710	66,619	62,028	60,243	60,089	646,000	619,000
Indiana	800	1,870	5,885	8,038	10,699	11,100	12,037	51,000	56,000
Kansas	43,033	63,197	96,447	104,542	107,586	114,522	114,807	792,000	917,000
Kentucky	5,494	5,549	7,425	9,592	10,381	11,622	11,918	59,000	56,000
Louisiana	30,396	92,771	123,196	177,009	208,965	232,281	243,929	2,285,000	2,558,000
Michigan	9,004	18,103	18,928	16,501	15,826	13,927	13,251	64,000	57,000
Mississippi	(2)	4,507	19,673	36,237	38,236	37,039	36,310	385,000	359,000
Montana	3,153	5,861	8,117	8,835	8,109	8,958	9,606	108,000	156,000
New Mexico	15,829	35,720	37,383	44,144	47,367	52,719	58,681	612,000	733,000
New York	3,618	5,057	5,002	4,563	4,143	4,254	4,242	57,000	53,000
Ohio	4,504	3,404	3,228	3,296	3,383	3,140	3,350	26,000	27,000
Oklahoma	176,293	185,293	136,492	149,305	164,599	186,869	190,435	1,476,000	1,558,000
Pennsylvania	13,443	17,684	15,384	12,317	11,859	11,345	11,233	95,000	122,000
Texas	364,341	478,063	616,884	811,726	829,874	1,010,270	1,022,139	15,315,000	14,916,000
West Virginia	4,032	3,680	3,261	2,777	2,808	2,757	2,602	39,000	37,000
Wyoming	13,158	19,987	33,304	49,660	61,631	68,929	68,074	973,000	1,065,000

[1] Includes quantities for States not shown separately. [2] Not shown separately.

No. 905.—Oil Wells, Number and Production, 1951 and 1952, and Number of Oil and Gas Wells Drilled, 1952 and 1953, by States

STATE	PRODUCING OIL WELLS				WELLS DRILLED [1]					
	Approximate number Dec. 31		Average production per well per day (barrels)		Oil		Gas		Dry	
	1951	1952 [2]	1951	1952 [2]	1952	1953	1952	1953	1952	1953
Total	474,990	488,520	13.1	13.0	23,466	25,762	3,255	3,806	17,618	18,449
Arkansas	3,800	3,930	21.8	20.9	217	273	7	1	202	298
California	29,630	30,900	33.7	32.4	1,790	1,869	43	48	590	649
Colorado	840	1,000	94.7	86.6	162	258	29	63	295	413
Illinois	27,420	27,460	6.0	5.8	825	1,070	18	4	1,299	1,091
Indiana	3,600	3,840	8.7	8.9	408	452	18	22	843	803
Kansas	32,460	33,620	9.9	9.5	2,194	2,209	316	380	2,015	2,126
Kentucky	16,900	16,950	2.0	1.9	406	398	227	194	661	571
Louisiana	12,490	13,290	52.3	51.3	1,286	1,599	206	222	886	993
Michigan	3,800	3,980	9.8	9.3	253	244	30	19	356	357
Mississippi	1,760	1,870	59.2	54.6	111	134	4	12	233	251
Montana	3,380	3,510	7.3	7.6	163	221	18	22	164	208
Nebraska [3]	346	380	20.5	20.2	100	127	16	12	193	191
New Mexico	6,350	6,790	23.4	24.6	525	575	319	600	209	243
New York	23,200	22,950	.5	.5	(4)	(4)	(4)	(4)	(4)	(4)
Ohio	17,650	17,600	.5	.5	(4)	(4)	(4)	(4)	(4)	(4)
Oklahoma	57,600	60,320	9.0	8.9	3,086	4,596	295	339	2,247	2,525
Pennsylvania	78,800	80,600	.4	.4	[4] 1,721	[4] 1,523	[4] 882	[4] 850	[4] 563	[4] 556
Texas	134,670	139,530	21.0	20.5	9,682	9,380	778	978	6,352	6,590
West Virginia	14,500	13,900	.5	.5	(4)	(4)	(4)	(4)	(4)	(4)
Wyoming	5,610	5,800	34.6	32.8	403	622	16	25	281	270
Other States	184	300	46.1	58.5	134	212	33	15	229	314

[1] Figures from *Oil and Gas Journal*. [2] Preliminary. [3] Missouri included with Nebraska. [4] New York, Ohio, and West Virginia included with Pennsylvania.

Source of tables 904 and 905: Department of the Interior, Bureau of Mines; *Minerals Yearbook*, except as noted

No. 906.—Asphalt—Supply, Distribution, and Value: 1945 to 1952

ITEM	1945	1946	1947	1948	1949	1950	1951	1952
SUPPLY (1,000 tons of 2,000 lbs.)								
Total	8,609	9,832	10,947	11,551	11,360	13,064	14,983	16,195
Native asphalt and related bitumens:								
Produced	704	846	1,072	1,136	1,202	1,251	1,436	1,638
Imported (chiefly lake asphalt)	5	4	6	5	4	6	6	4
Stocks, Jan. 1							80	72
Petroleum asphalt (excluding road oil):								
Produced at refineries from domestic and foreign petroleum	7,127	8,166	8,961	9,440	8,910	10,589	12,056	12,784
Imported [1]	147	123	206	284	215	324	443	493
Stocks, Jan. 1	626	693	702	686	1,029	894	962	1,204
DISTRIBUTION (1,000 tons of 2,000 lbs.)								
Total	8,609	9,832	10,947	11,551	11,360	13,064	14,983	16,195
Native asphalt and related bitumens:								
Indicated domestic demand	657	819	1,048	1,127	1,189	1,233	1,419	1,612
Exports (unmanufactured)	47	27	24	14	17	18	25	20
Stocks, Jan. 1							72	79
Petroleum asphalt (excluding road oil):								
Indicated domestic demand (incl. lake asphalt)	6,999	7,888	8,633	9,111	9,028	10,707	12,080	12,948
Exports	213	396	556	270	234	144	183	388
Stocks, Dec. 31	693	702	686	1,029	894	962	1,204	1,149
VALUE (1,000 dollars)								
Native asphalt and related bitumens:								
Sales	3,816	4,262	5,503	5,026	5,569	5,297	6,054	6,468
Imports (chiefly lake asphalt)	122	92	243	107	88	136	112	93
Exports (unmanufactured)	1,207	974	1,065	559	823	911	1,278	955
Petroleum asphalt (excluding road oil):								
Sales [2]	78,876	93,991	127,869	178,788	162,438	177,564	216,105	227,366
Imports [1]	842	771	1,692	2,419	2,615	3,481	5,294	5,818
Exports	5,172	9,708	14,208	8,985	7,402	4,520	6,391	13,277

[1] Includes cut-backs and road oil. [2] Excludes export sales.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 907.—Gypsum—Supply, Sales, Imports, and Exports: 1945 to 1952

[**Quantities in thousands of short tons; values in thousands of dollars.** See also *Historical Statistics*, series G 67-68, for gypsum mined and total gypsum products sold]

ITEM	1945	1946	1947	1948	1949	1950	1951	1952
Active establishments [1]	75	80	93	95	88	87	85	89
Crude gypsum: [2]								
Mined	3,812	5,629	6,208	7,255	6,608	8,193	8,666	8,415
Imported	509	1,457	2,157	2,859	2,593	3,219	3,437	3,068
Apparent supply	4,320	7,087	8,365	10,114	9,201	11,412	12,102	11,483
Calcined gypsum produced: [3]								
Short tons	2,485	4,170	5,011	6,243	5,767	7,341	7,455	6,874
Value	14,474	29,273	38,726	48,145	45,455	60,480	65,761	59,696
Gypsum products sold, total value [3]	60,149	97,195	128,415	176,834	158,746	206,177	237,047	227,082
Uncalcined uses:								
Short tons	1,148	1,641	1,950	2,226	1,990	2,218	2,530	2,706
Value	3,433	5,106	7,012	7,927	7,127	7,912	9,413	9,617
Industrial uses:								
Short tons	168	207	207	219	212	266	289	252
Value	2,326	3,161	3,430	3,731	3,562	4,530	5,468	5,000
Building uses, value	54,390	88,928	117,973	165,176	148,057	193,735	222,166	212,466
Gypsum and gypsum products:								
Imported for consumption, value	549	1,833	2,522	3,115	2,851	3,584	3,814	3,695
Exported, value	1,503	1,065	1,600	1,317	1,036	1,046	1,584	1,216

[1] Each mine, plant, or combination mine and plant is counted as one establishment.
[2] Excludes byproduct gypsum.
[3] Made from domestic, imported, and byproduct crude gypsum.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 908.—Cement—Summary: 1910 to 1952

[Figures include Puerto Rico beginning 1940. See also *Historical Statistics*, series G 65–66]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Production of finished cement, total 1,000 bbl.	77,785	100,790	162,989	132,751	104,289	230,272	249,472	252,658
Portland do.	76,550	100,023	161,197	130,216	102,805	226,026	246,023	249,256
Masonry, natural, and puzzolan (slag-lime) 1,000 bbl.	1,235	[1] 767	1,792	2,535	1,484	4,246	3,449	3,402
Active plants:								
Portland number	111	117	163	152	145	150	155	156
Masonry, natural, and puzzolan (slag-lime) number	23	9	11	12	9	9	9	8
Shipments, total 1,000 bbl.	[2]	97,079	160,846	132,864	107,833	231,975	244,629	254,816
Portland do.	[2]	96,312	159,059	130,350	106,354	227,757	241,153	251,360
Value $1,000	[2]	194,439	228,780	190,078	173,337	535,321	613,170	638,512
Per barrel dollars	[2]	2.02	1.44	1.46	1.63	2.35	2.55	2.54
Masonry, natural, and puzzolan (slag-lime) 1,000 bbl.	[2]	767	1,787	2,514	1,479	4,218	3,475	3,447
Value $1,000	[2]	1,151	2,470	3,387	2,094	10,630	9,833	9,752
Per barrel dollars	[2]	1.50	1.38	1.35	1.42	2.52	2.83	2.83
Stocks at mills, Dec. 31 (finished portland cement) 1,000 bbl.	[2]	8,833	25,899	23,365	16,625	13,119	18,224	16,066
Imports do.	307	525	985	538	[3]	1,410	922	476
Exports do.	2,476	2,986	756	1,668	6,475	2,418	2,933	3,186
World production do.	[2]	[2]	416,880	474,927	290,233	771,024	870,113	932,264

[1] Shipments. [2] Not available. [3] Less than 500 bbls.

No. 909.—Portland Cement—Production, by States: 1910 to 1952

[In thousands of barrels of 376 pounds]

STATE	1910	1920	1930	1940	1945	1950	1951	1952
Total	76,550	100,023	161,197	[1] 130,217	[1][2] 102,805	[1] 226,026	[1] 246,022	[1] 249,256
Alabama	[3] 1,481	1,132	4,821	5,122	5,542	10,372	10,773	10,609
California	[4] 6,386	7,098	10,124	14,216	15,952	26,277	29,918	29,585
Illinois	4,459	5,539	7,935	4,975	4,367	7,924	8,484	8,514
Iowa	[5] 2,010	4,849	7,088	4,606	3,194	7,416	8,365	9,028
Kansas	5,656	4,341	6,012	3,433	3,001	8,616	8,515	8,673
Michigan	3,688	4,801	11,511	8,603	5,839	12,967	14,394	14,791
Missouri	4,456	6,018	7,809	4,988	3,185	9,778	10,230	10,008
New York	3,296	5,885	10,373	8,437	[6] 5,617	[6] 14,196	[6] 15,351	[6] 15,996
Ohio	1,528	1,780	8,632	6,664	4,604	10,607	11,874	11,270
Pennsylvania	26,676	28,269	37,844	26,853	15,564	38,646	41,981	39,438
Tennessee	[7]	[7]	3,875	3,808	2,882	6,685	7,222	7,440
Texas	[8] 2,287	2,562	6,782	7,375	8,037	17,150	18,132	19,998
Other States	14,627	27,669	38,393	[1] 31,156	[1][2] 25,022	[1] 55,392	[1] 60,783	[1] 63,906

[1] Includes production of Puerto Rico. [2] Includes production of Hawaii. [3] Includes Georgia and Tennessee. [4] Includes Washington. [5] Includes Kentucky and West Virginia. [6] Includes Maine. [7] Included in figures for Alabama for 1910; "Other States," 1920. [8] Includes Oklahoma.

No. 910.—Open-Market Lime—Production, by Type and Use: 1930 to 1952

[Includes only small quantities of captive tonnage. See also *Historical Statistics*, series G 69–70]

ITEM	1930	1935	1940	1945	1950	1951	1952
Active plants number	375	301	314	189	168	155	160
Quantity sold by producers 1,000 short tons	3,388	2,987	4,887	5,921	7,478	8,256	8,073
Value $1,000	25,616	21,749	33,956	45,918	83,248	96,935	95,231
Per ton	$7.56	$7.28	$6.95	$7.76	$11.13	$11.74	$11.80
By type:							
Quicklime 1,000 short tons	2,058	1,981	3,501	4,566	5,593	6,336	6,190
Hydrated do.	1,330	1,006	1,386	1,355	1,885	1,920	1,883
By use:							
Agricultural do.	343	283	365	374	333	344	392
Building do.	1,205	657	1,010	550	1,249	1,234	1,191
Chemical and industrial do.	1,488	1,592	2,644	3,810	4,137	4,711	4,561
Refractory (dead-burned dolomite) do.	352	455	868	1,187	1,759	1,966	1,928

Source of tables 908–910: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 911.—Sand and Gravel—Quantity Sold or Used by Producers and Value: 1930 to 1952

[See also *Historical Statistics*, series G 71–72]

ITEM	1930	1935	1940	1945	1950	1951	1952
Sand and gravel, total—1,000 short tons	197,052	123,924	238,308	195,524	370,455	401,620	436,517
Building—do	46,605	32,182	68,036	61,563	132,873	144,487	142,671
Paving—do	84,176	68,414	143,158	93,664	204,242	218,494	255,361
Other—do	66,271	23,328	27,114	40,297	33,340	38,639	38,485
Value—$1,000	115,177	61,977	110,688	128,837	295,040	333,826	353,699
Average per ton—dollars	.58	.50	.46	.66	.80	.83	.81
Commercial sand—1,000 short tons	81,754	37,776	63,930	65,077	124,982	135,157	139,506
Value—$1,000	48,894	25,097	40,526	52,431	120,350	138,371	141,342
Average per ton—dollars	.60	.66	.63	.81	.96	1.02	1.01
Noncommercial (government-and-contractor) sand—1,000 short tons	1,905	2,658	14,744	6,649	13,918	15,219	17,592
Value—$1,000	828	770	*4,806*	*2,426*	*5,961*	*6,829*	*7,685*
Average per ton—dollars	.43	.29	.33	.36	.43	.45	.44
Commercial gravel—1,000 short tons	95,126	46,831	67,326	87,061	132,574	150,662	162,222
Value—$1,000	58,475	26,147	37,745	57,992	120,974	141,806	153,797
Average per ton—dollars	.61	.56	.56	.67	.91	.94	.95
Noncommercial (government-and-contractor) gravel—1,000 short tons	18,267	36,659	92,308	36,737	98,081	100,582	117,196
Value—$1,000	6,980	9,964	27,612	15,989	47,755	46,820	50,875
Average per ton—dollars	.38	.27	.30	.44	.48	.47	.43

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 912.—Stone—Sales, by Kind and by Use: 1930 to 1952

[See also *Historical Statistics*, series G 75–76 for total]

VARIETY AND USE	QUANTITY SOLD, THOUSANDS OF SHORT TONS[1]							VALUE (1,000 dollars)		
	1930	1935	1940	1945	1950	1951	1952	1950	1951	1952
Total	126,996	83,159	153,733	153,405	252,113	286,343	302,188	390,582	437,784	467,375
By kind:										
Granite	10,048	6,014	10,880	7,740	22,553	21,089	23,195	52,221	51,241	53,671
Basalt and related rocks	14,532	9,672	15,716	14,911	22,895	29,405	29,734	34,373	42,915	46,379
Sandstone	4,594	3,010	6,499	4,387	9,101	8,792	8,650	23,787	24,979	25,004
Marble	477	132	240	171	267	256	238	10,932	10,641	10,888
Limestone	88,741	57,493	112,658	112,574	180,919	205,480	217,790	252,756	287,675	309,638
All other	8,604	6,838	7,740	13,622	16,378	21,321	22,581	16,513	20,333	21,795
By use:										
Building stone	2,322	831	836	382	1,229	1,237	1,199	36,665	38,827	35,355
Monumental	291	180	196	251	244	235	231	17,825	16,851	17,117
Paving blocks	294	78	19	1	4	3	2	51	52	38
Curbing	262	69	72	13	78	83	84	2,430	2,872	2,556
Flagging	82	24	68	21	57	51	60	878	977	1,128
Rubble	1,066	279	916	390	247	253	320	615	501	827
Riprap	4,292	4,919	5,264	4,801	6,898	6,989	8,779	7,807	8,438	11,156
Crushed stone	87,111	54,755	100,268	85,373	165,722	190,926	209,089	209,814	237,710	267,585
Furnace flux (limestone)	17,091	12,192	22,872	27,040	35,970	39,930	34,999	37,932	45,622	41,119
Refractory stone	1,197	866	1,741	2,527	2,158	2,366	1,951	5,849	7,810	7,262
Agricultural (limestone)	2,542	2,140	8,724	17,396	*19,349*	*19,401*	*21,152*	*30,393*	*31,052*	*34,464*
Other uses	10,446	6,826	12,757	14,610	20,157	24,869	24,412	40,323	46,982	48,768

[1] Quantities of stones not sold by short ton are expressed in approximate equivalents in short tons; expressed in their selling units, quantities for 1952 are as follows: Building stone (cut stone slabs, and mill blocks), 12,087,739 cubic feet; monumental stone, 2,793,689 cubic feet; paving blocks, 682,587 (number); curbing, 1,028,501 cubic feet; and flagging, 745,269 cubic feet.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 913.—Salt—Production, by States and by Kind, Exports, and Imports: 1880 to 1952

[**In short tons.** Production figures represent sales plus that used by producers; they include Puerto Rico. Imports are imports for consumption. See also *Historical Statistics*, series G 81-82 for production]

YEAR	Production	Exports	Imports	YEAR	Production	Exports	Imports
1880	334,548	1,642	509,703	1930	8,054,440	70,478	54,021
1890	1,242,779	2,464	257,323	1935	7,926,897	112,213	51,245
1900	2,921,708	7,511	199,909	1940	10,359,960	147,044	30,402
1905	3,635,257	34,238	161,159	1945	15,394,141	190,524	4,553
1910	4,242,792	49,013	137,103	1949	15,572,215	350,776	6,309
1915	5,352,409	80,474	122,326	1950	16,629,809	190,377	7,869
1920	6,840,029	139,272	137,654	1951	20,207,131	439,114	4,329
1925	7,397,500	155,079	85,788	1952	19,544,952	349,971	7,056

STATE OR KIND	1925	1930	1935	1940	1945	1950	1951	1952
Production, total	7,397,500	8,054,440	7,926,897	10,359,960	15,394,141	16,629,809	20,207,131	19,544,952
Michigan	2,172,600	2,558,290	2,128,171	2,863,035	4,285,493	4,446,667	5,137,630	4,778,347
New York	2,053,970	2,009,280	1,927,822	2,117,671	2,862,224	2,806,927	3,518,715	3,417,443
Ohio	1,173,590	1,311,440	1,487,315	2,080,133	2,764,926	2,515,205	3,112,472	2,827,455
Kansas	812,540	759,800	608,204	684,053	855,806	846,374	900,917	911,744
Louisiana	500,350	535,250	702,990	1,132,594	1,867,689	2,278,811	2,737,149	2,553,448
California	292,480	350,370	356,222	469,354	604,609	868,496	1,275,574	1,148,693
Texas	(1)	(1)	268,809	402,165	1,100,791	1,852,138	2,401,063	2,040,209
Utah	88,150	85,240	57,625	71,472	122,997	116,694	131,444	136,125
West Virginia	25,870	28,670	65,968	144,312	370,260	367,942	379,299	392,519
Other States	277,950	416,100	323,771	395,171	469,346	530,555	612,859	738,969
By kind:								
Manufactured (evaporated)	2,235,170	2,358,610	2,330,042	2,782,741	3,182,570	3,329,288	3,654,808	3,641,623
In brine	2,819,690	3,718,460	3,837,613	5,311,671	8,705,831	9,373,254	11,890,129	11,335,798
Rock salt	2,342,640	1,977,370	1,759,242	2,265,548	3,505,740	3,927,267	4,662,194	4,567,531
Total value [2] (dollars)	26,162,361	25,009,480	21,837,911	26,474,619	43,914,406	59,911,343	69,735,000	70,992,925

[1] Included in "Other States."
[2] F. o. b. mine or refinery; values exclude cost of cooperage or containers.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 914.—Sulfur and Pyrites—Production, Exports, and Imports: 1930 to 1952

[See also *Historical Statistics*, series G 83-86]

ITEM	1930	1935	1940	1945	1950	1951	1952
SULFUR							
Production of crude sulfur—1,000 long tons	2,559	1,633	2,732	3,753	5,192	5,278	5,293
Value—$1,000	46,036	29,256	43,659	60,013	98,080	113,535	113,852
Price per long ton f. o. b. mines	$18	$18	$16	$16	$18–22	$21–27	$21–27
Shipments of crude sulfur—1,000 long tons	1,990	1,635	2,559	3,833	5,505	4,988	5,141
For domestic consumption—do	1,397	1,233	1,812	2,915	4,064	3,700	3,837
For export—do	593	402	746	919	1,441	1,288	1,304
Imports (ore and other)—do	(1)	2	28	(1)	(1)	2	4
Exports of treated sulfur—do	12	11	20	24	38	24	34
PYRITES							
Production—1,000 long tons	348	514	627	723	931	1,018	994
Sulfur content—percent	35.7	39.5	41.8	41.0	42.2	42.5	42.1
Value—$1,000	1,029	1,583	1,920	2,700	4,059	4,656	4,947
Imports—1,000 long tons	355	397	407	187	209	221	206

[1] Less than 500 long tons.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 915.—Iron Ore—Summary: 1910 to 1952

[In thousands of long tons, except as indicated. Nearly all exports are to Canada. Data exclude ore containing 5 percent or more of manganese. See also *Historical Statistics*, series G 93–95]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Production, total	57,015	67,604	58,409	73,696	88,376	98,045	116,505	97,918
By districts:								
Lake Superior	46,420	57,945	49,383	61,471	74,821	79,627	93,947	77,095
Southeastern	6,895	6,768	5,838	[1] 7,444	6,330	7,507	8,587	7,624
Northeastern	2,605	2,096	2,249	3,560	3,620	4,475	5,181	4,426
Western	1,095	795	939	[1] 1,221	3,088	5,861	8,181	8,030
Undistributed (byproduct ore)	(2)	(2)	(2)	(2)	517	575	[3] 608	[3] 743
By types of ore:								
Hematite	51,367	63,883	55,266	68,870	81,295	[4] 87,156	[4] 101,531	83,516
Brown ore	2,994	1,326	720	935	943	2,615	3,015	2,730
Magnetite	2,632	2,391	2,421	3,891	5,621	[4] 7,699	[3 4] 11,390	[3] 11,069
Carbonate	22	4	1	1	1			
Byproduct material (pyrites cinder and sinter)	(2)	(2)	(2)	(2)	517	575	569	604
Number of mines	191	403	208	230	199	247	289	321
Shipments	(2)	69,281	55,201	75,198	88,137	97,764	116,230	97,973
Value, $1,000	(2)	285,006	145,619	189,087	243,761	487,990	634,729	596,307
Average value per ton at mine	(2)	$4.11	$2.64	$2.51	$2.77	$4.99	$5.46	$6.09
Stocks at mines, Dec. 31	9,422	11,379	10,383	3,614	4,432	5,726	5,599	5,528
Imports	2,591	1,273	2,775	2,479	1,198	8,232	10,140	9,761
Value, $1,000	7,832	4,964	8,113	6,205	4,114	43,764	59,520	83,041
Exports	749	1,145	752	1,386	2,063	2,550	4,329	5,121
Value, $1,000	2,474	6,199	2,734	4,625	6,688	15,737	30,997	37,421
World production (estimated) 1,000 metric tons	133,000	116,300	178,400	212,000	162,000	250,000	294,000	297,000

[1] Texas included with Southeastern district.
[2] Not available.
[3] Includes 39,000 tons iron ore (magnetite) from Puerto Rico in 1951 and 138,613 tons in 1952.
[4] Small quantity of hematite included with magnetite.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook* and records.

No. 916.—Manganese (Including Ferromanganese and Spiegeleisen)—Summary: 1910 to 1952

[Gross weight in short tons]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Manganese ore (35 percent or more Mn):								
Mine shipments	2,529	105,750	75,079	44,936	182,337	134,451	105,007	115,379
Metallurgical ore	(1)	(1)	59,725	30,416	174,205	122,944	95,255	100,999
Battery ore	(1)	(1)	*13,168*	*10,383*	*8,042*	*11,507*	*9,752*	*14,380*
Miscellaneous	(1)	(1)	2,186	4,137				
General imports	271,430	671,736	655,836	1,449,634	1,461,945	1,834,925	1,767,580	2,668,557
Consumption	(1)	(1)	(1)	(1)	1,485,859	1,650,429	1,892,609	1,809,189
World production (estimate)	2,173,000	1,801,000	3,848,000	6,238,000	4,670,000	5,800,000	7,100,000	7,700,000
Ferromanganese:								
Domestic production	[2] 253,362	309,785	307,810	514,682	619,760	719,680	791,260	758,721
Imports for consumption	127,935	66,364	[3] 49,321	11,613	35,521	109,948	119,764	64,095
Exports		[4] 3,868	[4] 6,932	[4] 14,600	836	580	633	1,453
Consumption	(1)	(1)	(1)	(1)	641,622	774,852	883,841	796,826
Spiegeleisen:								
Domestic production	(2)	116,113	97,506	114,119	139,039	42,375	77,017	58,666
Imports for consumption	28,429	5,862	[3] 15,015	17,455	3,146	8,595		44
Exports		(4)	(4)	(4)	2,393	363	85	34
Consumption	(1)	(1)	(1)	(1)	148,087	76,280	80,556	69,029

[1] Not available.
[2] Production of spiegeleisen included with that of ferromanganese.
[3] Manganese content; gross weight not reported.
[4] *Exports of spiegeleisen included with those of ferromanganese.*

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 917.—Chromite—Production, Consumption, Imports, and Exports: 1930 to 1952

[Quantities in short tons; values in thousands of dollars. See also *Historical Statistics*, series G 106–107 for figures on shipments]

ITEM	1930	1935	1940	1945	1949	1950	1951	1952
Total supply	365,901	290,727	739,594	939,860	1,204,285	1,304,117	1,434,956	1,721,401
Domestic production (shipments)	90	577	2,982	13,973	433	404	7,056	21,304
Value	2	6	29	532	12	(1)	554	[2] 1,777
Imports for consumption	365,811	290,150	736,612	925,887	1,203,852	1,303,713	1,427,900	1,700,097
Value	3,513	3,604	8,755	17,530	24,200	23,299	25,494	38,083
Consumption by industry	(1)	(1)	562,915	808,120	672,773	980,369	1,212,480	1,185,460
Exports	(1)	(1)	(1)	12,366	2,382	2,044	2,030	18,639

[1] Figure not available or Bureau of Mines not at liberty to publish. [2] Partially estimated.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 918.—Nickel—Production, Price, Imports, and Exports: 1930 to 1952

ITEM	1930	1935	1940	1945	1950	1951	1952
Production:							
Primary—short tons	308	160	554	1,155	913	756	633
Secondary—do	2,900	1,950	4,152	6,483	8,795	8,602	7,479
Imports (gross weight) [1]—do	30,143	37,848	92,468	122,528	97,333	101,620	117,713
Exports (gross weight) [2]—do	1,420	2,193	11,994	3,876	3,645	4,622	6,941
Price per pound [3]—cents	35	35	35	31¼	40–50½	50½–56½	56½
World production (approx.)—short tons	59,700	85,300	154,000	160,000	160,000	175,000	191,000

[1] Excludes "All other manufactures of nickel"; weight not recorded; also excludes nickel bars, etc., scrap, and residues.
[2] Excludes "Manufactures"; weight not recorded.
[3] Price quoted by International Nickel Co., Inc., for electrolytic nickel.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 919.—Tungsten—Production, Imports, and Consumption: 1930 to 1952

[See also *Historical Statistics*, series G 108–109]

ITEM	1930	1935	1940	1945	1950	1951	1952
Production:							
Concentrates, 60 percent WO_3—short tons	(1)	(1)	5,120	5,662	4,166	6,214	7,600
Tungsten content—1,000 lb	(1)	(1)	4,873	5,389	3,965	5,914	7,233
Shipments from mines:							
Concentrates, 60 percent WO_3—short tons	702	2,395	5,319	5,534	4,820	6,276	7,611
Tungsten content—1,000 lb	668	2,279	5,062	5,267	4,588	5,973	7,244
Reported value f. o. b. mines—$1,000	509	1,921	6,576	7,693	8,171	22,976	28,970
Average per pound of tungsten	$0.76	$0.84	$1.30	$1.46	$1.78	$3.85	$4.00
Imports (tungsten content):							
General—1,000 lb	(1)	(1)	9,666	8,639	8,342	7,533	16,985
For consumption—do	3,998	892	5,611	4,774	16,147	6,377	17,406
Consumption (tungsten content)—do	4,642	2,372	9,955	14,146	6,597	11,410	8,634
Industry stocks, end of year (tungsten content) 1,000 lb	(1)	(1)	2,897	4,341	5,338	4,272	3,025
World production—metric tons [2]	16,652	22,458	43,592	22,802	39,000	51,300	[3] 55,400

[1] Not available.
[2] Metric tons of concentrates containing 60 percent WO_3.
[3] Excludes U. S. S. R.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 920.—Molybdenum Concentrates—Production, Consumption, and Stocks: 1920 to 1952

[In thousands of pounds of contained molybdenum, except as indicated]

ITEM	1920	1930	1940	1945	1950	1951	1952
Production	[1]	3,723	34,313	30,802	28,480	38,855	43,259
Shipments from mines	35	3,759	25,329	33,683	44,544	37,955	42,717
Price per pound [2] dollars	1.23	[3] 0.73	0.75	0.75	0.91	1.00	1.00
Exports [4]	[1]	[1]	6,585	2,863	6,235	3,729	6,172
Imports for consumption [5]	[6]	145		204	3	4	50
Consumption	[1]	[1]	[1]	32,696	26,029	33,691	32,715
Stocks (industry), Dec. 31 [7]	[1]	[1]	[1]	16,883	4,090	5,058	6,856
World production (estimate) metric tons	[1]	[1]	17,200	16,200	14,600	20,500	22,200

[1] Not available.
[2] Per pound of molybdenum contained. Source: *Engineering and Mining Journal.*
[3] 1930 price, July to December only.
[4] Includes roasted concentrates.
[5] *Excludes imports for conversion and reexports as follows: 460,000 pounds in 1945, none in 1950–52.*
[6] Content not recorded for the 16,000 pounds of molybdenum ore imported.
[7] At mines and at plants making molybdenum products.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 921.—Gold and Silver—Production, by States and Other Areas: 1930 to 1952

[Based upon arrivals at U. S. mints and assay offices and private refineries. Includes production of Alaska, Puerto Rico, and through 1945, Philippine Islands. See also *Historical Statistics*, series G 118–121, for mine production excluding Puerto Rico and Philippine Islands]

STATE OR OTHER AREA	GOLD (1,000 fine ounces)						SILVER (1,000 fine ounces)					
	1930	1940	1945	1950	1951	1952	1930	1940	1945	1950	1951	1952
Total	2,286	6,003	929	2,289	1,895	1,927	50,748	69,586	29,063	42,309	39,907	39,840
Alaska	407	757	60	276	208	250	392	173	9	50	30	35
Arizona	149	299	78	111	110	113	4,910	6,130	3,411	5,089	5,042	4,615
California	450	1,444	143	410	347	263	1,434	2,225	950	1,000	964	1,176
Colorado	218	369	102	124	108	125	4,852	9,378	2,407	3,343	2,970	3,000
Idaho	21	145	19	69	56	34	9,710	17,477	8,228	15,993	15,956	14,500
Illinois										7	3	4
Michigan							11	90	20	[1]	[1]	
Missouri									21	233	173	400
Montana	47	273	42	57	32	30	8,597	12,152	5,494	7,178	6,414	6,500
Nevada	140	380	91	170	122	126	4,179	5,102	1,156	1,634	1,033	1,000
New Mexico	32	39	13	7	4	3	1,160	1,576	654	365	410	500
New York										33	25	59
Oregon	14	114	1	10	9	6	10	102	12	12	9	4
Pennsylvania				2	2	2				11	13	9
South Dakota	406	587	41	572	463	472	105	171	41	143	141	130
Tennessee				[1]	[1]	[1]				26	19	58
Texas	[1]	[1]		[1]	[1]	[1]	469	1,295	21	4	1	5
Utah	209	352	271	392	362	450	14,451	11,686	6,244	6,799	6,292	7,500
Vermont				[1]	[1]	[1]				28	43	46
Virginia										[1]		
Washington	4	84	53	89	71	54	30	389	288	358	367	300
Wyoming				[1]	[1]	[1]				3	[1]	
Philippine Islands	185	1,140	13	[2]	[2]	[2]	121	1,299	17	[2]	[2]	[2]
Other	3	20	2				317	251	90			

[1] Less than 500 ounces.
[2] Excluded after 1945.

Source: Treasury Department, Bureau of the Mint; *Annual Report of the Director.*

No. 922.—Gold and Silver—Production, Price, Imports, and Exports: 1910 to 1952

[See also *Historical Statistics*, series G 118-121]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Mine production:								
Gold, 1,000 fine ounces	4,585	2,383	2,139	4,870	955	2,394	1,981	1,893
Silver, do	57,599	56,537	47,725	70,436	29,024	42,459	39,767	39,452
Value of production:								
Gold, 1,000 dollars	94,778	49,261	44,211	170,448	33,410	83,798	69,324	66,264
Silver, do	31,102	61,625	18,374	50,088	20,639	38,425	35,989	35,704
Ore (dry and siliceous) produced: [1]								
Gold ore, 1,000 short tons	9,646	8,590	7,767	16,550	1,364	3,584	2,606	2,339
Gold-silver ore, do				948	277	433	368	237
Silver ore, do				1,201	343	627	492	502
Net industrial consumption:								
Gold, 1,000 dollars	34,161	50,181	15,178	13,306	108,944	97,846	69,477	96,351
Silver, 1,000 fine ounces	23,187	19,280	26,874	44,499	126,300	110,000	105,000	96,500
Imports:								
Gold, 1,000 dollars	66,549	417,068	396,054	4,749,467	93,718	162,749	81,259	740,254
Silver, do	48,401	88,060	42,761	58,434	27,278	110,035	103,469	67,296
Exports:								
Gold, do	47,425	322,091	115,967	4,995	199,968	534,036	630,382	55,921
Silver, do	71,962	113,616	54,157	3,674	90,937	6,202	8,590	4,921
Price, average per fine ounce: [2]								
Gold	$20.67	$20.67	$20.67	$35.00	$35.00	$35.00	$35.00	$35.00
Silver	$0.542	$1.019	$0.385	$0.711	$0.711	$0.905	$0.905	$0.905
World production:								
Gold, 1,000 fine ounces	(3)	(3)	20,800	42,300	26,100	32,500	33,500	34,200
Silver, do	(3)	173,300	248,700	275,400	162,000	198,600	197,500	210,200

[1] Gold and silver are also produced from base-metal ores and placers. In 1952, dry and siliceous ores accounted for 40 percent of gold produced and 31 percent of silver.
[2] Treasury buying price, except for silver prices for 1910-30 which represent New York price.
[3] Not available.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 923.—Gold and Silver for Use in Manufactures and the Arts: 1880 to 1952

YEARLY AVERAGE OR YEAR	GOLD ($1,000)[1]			SILVER (1,000 fine ounces)		
	Total amount of material issued	Amount of old material returned from use	Net material issued	Total amount of material issued	Amount of old material returned from use	Net material issued
1880	10,105	1,294	8,811	2,794	294	2,500
1881-1885	12,568	1,863	10,706	4,155	315	3,840
1886-1890	16,041	4,029	12,012	5,662	676	4,986
1891-1895	16,508	5,060	11,448	7,997	951	7,046
1896-1900	16,965	4,067	12,899	10,214	1,200	9,014
1901-1905	28,496	6,778	21,718	19,526	3,002	16,524
1906-1910	38,149	7,708	30,441	24,553	3,669	20,884
1911-1915	40,588	9,967	30,621	30,444	6,928	23,516
1916-1920	61,864	22,033	39,831	31,214	9,126	22,089
1921-1925	59,596	29,275	30,321	36,805	8,189	28,616
1926-1930	55,197	30,450	24,747	38,461	10,325	28,137
1931-1935	21,288	41,389	[2] *20,101*	33,631	20,353	13,278
1936-1940	36,543	32,393	4,150	52,481	21,249	31,232
1941-1945	100,699	25,323	75,376	149,455	41,794	107,662
1946-1950	134,302	43,450	90,852	129,023	31,265	97,758
1944	122,977	25,679	97,298	176,289	56,189	120,100
1945	139,936	30,992	108,944	184,661	58,361	126,300
1946	199,687	46,000	153,687	123,647	36,647	87,000
1947	98,130	49,230	48,900	126,366	27,866	98,500
1948	90,129	45,143	44,986	129,186	23,897	105,289
1949	148,975	40,133	108,842	110,660	22,660	88,000
1950	134,588	30,742	97,846	155,257	45,257	110,000
1951	105,012	35,535	69,477	151,651	46,651	105,000
1952	127,189	30,839	96,350	121,538	25,038	96,500

[1] Value prior to 1934 calculated on basis of $20.67+ per fine ounce; in 1934 and thereafter, $35.00 per fine ounce.
[2] Amount of old material returned from use exceeds total amount of material issued.

Source: Treasury Department, Bureau of the Mint; *Annual Report of the Director*.

No. 924.—Copper—Production, Exports, Imports, and Consumption: 1910 to 1952

[**In short tons.** Production figures cover United States and Alaska. See also *Historical Statistics*, series G 112–113]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Primary production:								
Mine production	544,119	612,275	705,074	878,086	772,894	909,343	928,330	925,377
Smelter production from domestic ores	540,080	604,530	697,195	909,084	782,726	911,352	930,774	927,365
Value ($1,000)	137,180	222,467	181,271	205,453	[1] 184,723	379,122	450,495	448,845
Refinery production, total	711,019	763,083	1,078,330	1,313,556	1,108,599	1,239,834	1,206,088	1,177,696
From domestic ores	535,947	591,212	695,612	927,239	775,738	920,748	951,559	923,192
From foreign ores, matte, and blister	175,072	171,871	382,918	386,317	332,861	319,086	255,429	254,504
Secondary production, total	94,500	312,460	467,200	532,046	1,006,516	977,239	932,282	903,197
From new (purchased) scrap	30,000	143,500	125,000	198,156	509,421	492,028	474,158	488,562
From old scrap	64,500	168,960	342,200	333,890	497,095	485,211	458,124	414,635
Imports (unmanufactured) [2]	172,218	242,835	408,577	491,342	853,196	690,389	489,135	618,944
Refined	([3])	54,372	43,105	68,337	531,367	317,363	238,972	346,960
Exports of metallic copper [4]		[5] 311,579	376,557	427,650	*132,555*	*192,339*	*166,274*	[6] *212,390*
Refined (ingots, bars, rods, etc.)	[7] 354,158	275,613	334,626	377,108	[8] 48,563	[8] 144,561	[8] 133,305	[8] 174,135
Withdrawn on domestic account: [9]								
New refined copper	366,203	526,919	632,508	1,008,785	1,415,000	1,447,000	1,304,000	1,360,000
New and old copper	*460,700*	*839,500*	1,099,500	1,541,000	[10] 1,912,000	[10] 1,932,000	[10] 1,762,000	[10] 1,775,000
Stocks, producers, refined copper, Dec. 31	61,402	329,500	307,500	91,500	130,000	26,000	35,000	26,000
World smelter production, new copper	946,000	1,057,000	1,760,000	2,734,000	2,436,000	2,915,000	3,105,000	3,120,000

[1] Excludes bonus payments of Office of Metal Reserve.
[2] Data are for "general imports," i. e., include copper imported for immediate consumption plus material entering country under bond. Comprises copper in ingots, plates, and bars, ores and concentrates, regulus, blister and scrap.
[3] Not separately recorded.
[4] Total exports of copper, exclusive of ore, concentrate, composition metal, and unrefined copper. Exclusive also of "other manufactures of copper," for which quantity figures are not recorded.
[5] Includes unrefined copper.
[6] Due to changes in classifications 1952 data not strictly comparable with earlier years.
[7] Includes small exports of unrefined black blister and converter copper (bars, pigs, etc.)
[8] Excludes rods.
[9] Apparent consumption; consumers' inventories not taken into account.
[10] New copper and old scrap only.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 925.—Copper—Mine Production, by States: 1910 to 1952

[**In short tons of recoverable copper**]

STATE	1910	1920	1930	1940	1945	1950	1951	1952
Total	**544,119**	**612,275**	**705,074**	**878,086**	**772,894**	**909,343**	**928,330**	**925,377**
Alaska	2,121	35,218	16,326	55	5	6	1	
Arizona	148,740	279,128	288,095	281,169	287,203	403,301	415,870	395,719
California	24,350	6,313	13,643	6,438	6,473	646	921	800
Colorado	4,180	2,022	5,257	12,152	1,485	3,141	3,212	3,606
Idaho	3,519	1,269	1,556	3,349	1,548	2,107	2,160	3,213
Michigan	111,342	77,348	84,691	45,198	30,401	25,608	24,979	21,699
Missouri		756	88	685	3,399	2,982	2,422	2,576
Montana	142,404	88,530	98,094	126,391	88,506	54,478	57,406	61,948
Nevada	32,180	25,280	54,602	78,454	52,595	52,569	56,474	57,537
New Mexico	2,307	27,200	32,575	69,848	56,571	66,300	73,558	76,112
Tennessee	8,419	8,364	([1])	[2] 12,732	[3] 12,385	[3] 14,497	[3] 16,140	[3] 14,897
Utah	63,799	58,466	90,263	231,864	226,376	278,630	271,086	282,894
Washington	43	992	603	9,612	5,821	5,057	4,089	4,357
Other States	710	1,390	19,282	139	126	21	12	19

[1] Included under "Other States."
[2] Includes North Carolina and Pennsylvania.
[3] Includes Pennsylvania and Vermont.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 926.—Copper—Exports and Imports: 1891 to 1953

[**Quantities in short tons; values in thousands of dollars.** Exports are those classed as "domestic" in foreign trade statistics but include copper smelted or refined in United States from imported ore or unrefined metal. Values include all forms of copper; quantities represent all copper except the small item, "Other manufactures." Copper content of exports of ore for years 1891–1915 and of imports for years 1894–1903 was estimated]

YEARLY AVERAGE	EXPORTS [1]		IMPORTS [2]		YEAR	EXPORTS [1]		IMPORTS [2]	
	Quantity	Value	Quantity	Value		Quantity	Value	Quantity	Value
1891–1895 [3]	65,586	14,392	5,477	896	1942	217,082	82,348	782,361	165,397
1896–1900 [3]	137,684	36,745	24,634	5,866	1943	296,016	108,719	736,464	156,514
1901–1905 [3]	190,451	54,942	83,237	22,611	1944	237,521	102,697	764,228	165,479
1906–1910 [3]	289,445	92,334	130,111	38,026	1945	132,592	55,212	896,239	194,672
1911–1915 [3]	416,840	123,655	176,635	46,129	1946	97,513	38,587	355,008	80,384
1916–1920 [4]	376,877	208,909	244,948	103,805	1947	197,114	102,489	452,822	175,829
1921–1925	438,337	129,761	298,975	77,811	1948	209,494	113,563	489,567	203,042
1926–1930	491,200	149,909	407,630	108,244	1949	171,303	75,769	538,835	224,232
1931–1935	246,658	39,920	211,116	29,662	1950	174,274	73,262	605,831	242,810
1936–1940	378,054	87,680	242,530	47,608	1951	152,476	86,077	539,303	279,493
1941–1945	208,423	79,333	780,000	164,752	1952	195,968	134,035	637,140	411,188
1946–1950	169,940	80,734	494,413	186,459	1953 (prel.)	156,491	95,468	671,548	433,551

[1] Export figures include shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and MDAP (FOA); Civilian Supply shipments are included in 1948 and subsequent years.
[2] Imports for consumption; general imports prior to 1933.
[3] Fiscal years ending June 30. [4] Average for period July 1, 1915, to Dec. 31, 1920.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the U. S.*, and records.

No. 927.—Lead—Production, Imports, Exports, and Prices: 1910 to 1952

[**In short tons.** See also *Historical Statistics*, series G 114-115]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Smelter production of refined primary lead	470,272	529,657	643,033	533,179	443,585	508,314	417,693	472,532
From domestic ores and base bullion [1]	375,402	476,849	573,740	433,065	356,535	418,809	342,644	383,358
From foreign ores	18,065	8,414	34,348	83,563	86,932	86,241	71,984	89,092
From foreign base bullion	76,805	44,394	34,945	16,551	118	3,264	3,065	402
Recovery of secondary lead	55,422	124,650	255,800	260,346	363,039	482,275	518,110	471,294
Imports: [2]								
Lead in pigs, bars, and old	3,485	30,719	209	151,568	230,313	461,817	188,175	523,039
Lead in base bullion	57,742	48,052	38,630	19,624	8	3,488	2,231	389
Lead in ores and matte	47,376	14,744	39,377	111,300	70,005	70,520	67,471	104,515
Exports of refined pig lead [3]	(4)	[5] 20,093	[5] 48,307	[5] 23,755	1,408	2,735	1,281	1,762
Estimated consumption of primary and secondary lead	(4)	(4)	[6] 768,600	[6] 782,000	1,051,602	1,237,981	1,184,703	1,130,795
Prices (cents per pound):								
New York average	4.4	8.2	5.52	5.18	6.50	13.30	17.49	16.47
London average	2.8	6.15	3.92	(7)	4.99	13.29	20.25	17.09
Mine production of recoverable lead	382,692	496,814	558,313	457,392	390,831	430,827	388,164	390,161
World smelter production of lead	1,210,000	1,022,000	1,843,000	(4)	1,234,000	1,812,000	1,768,000	1,980,000

[1] Excludes lead content of antimonial lead.
[2] Includes lead imported for immediate consumption plus material entering country for storage under bond.
[3] Pigs, bars and anodes. In addition, 17,363 tons of foreign refined lead were reexported in 1920, 25,324 tons in 1940, 377 tons in 1945, 53 tons in 1950, none in 1951, and 2 tons in 1952.
[4] Not available.
[5] Represents pigs, bars, and old.
[6] Source: American Bureau of Metal Statistics.
[7] Official maximum price fixed by British Ministry of Supply at £25 per long ton. London Metal Exchange dealings suspended for duration of war.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 928.—Lead, Recoverable—Mine Production, by States and for Alaska: 1920 to 1952

[In short tons]

STATE	1920	1925	1930	1935	1940	1945	1950	1951	1952
Total	496,814	684,439	558,313	331,103	457,392	390,831	430,827	388,164	390,161
Western States and Alaska	248,131	364,387	312,413	193,439	244,974	184,152	257,803	231,227	228,607
Alaska	875	789	1,365	670	779	11	149	21	-------
Arizona	6,935	11,938	4,246	7,783	13,266	22,867	26,383	17,304	16,520
Colorado	23,315	31,483	22,130	5,673	11,476	17,044	27,007	30,336	30,066
Idaho	118,565	126,521	134,058	79,020	104,834	68,447	100,025	76,713	73,719
Montana	14,846	18,765	10,663	15,589	23,036	9,999	19,617	21,302	21,279
Nevada	10,100	12,238	11,529	12,676	7,499	6,275	9,408	7,148	6,790
New Mexico	1,435	3,210	10,378	7,280	3,822	7,662	4,150	5,846	7,021
Utah	66,898	153,335	115,495	63,510	75,688	40,817	44,753	50,451	50,210
Washington	2,749	2,814	576	103	2,555	3,802	10,334	8,002	11,744
Other	2,413	3,294	1,983	1,126	2,019	7,228	15,977	14,014	11,258
Central States	246,780	317,375	237,533	132,682	207,587	201,520	168,173	153,915	156,624
Kansas	16,452	22,775	12,910	10,892	11,927	7,370	9,487	8,947	5,916
Missouri	161,812	211,566	199,632	97,493	172,052	176,575	134,626	123,702	129,245
Oklahoma	64,086	79,946	23,052	23,405	21,240	12,664	20,724	16,575	15,137
Other	4,430	3,088	1,939	892	2,368	4,911	3,336	4,691	6,326
Eastern States	[1] 1,903	2,677	8,367	4,982	4,831	5,159	4,851	3,022	4,930
New York	-------	-------			1,973	862	1,484	1,500	1,120
Tennessee	1,880	448	8,367	4,982	573	54	113	14	18
Virginia	-------	2,229			2,285	4,243	3,254	1,508	3,702

[1] Includes small quantities produced in Massachusetts, Pennsylvania, and Georgia.

No. 929.—Zinc—Production and Prices: 1910 to 1952

[See also *Historical Statistics*, series G 116-117]

ITEM	1910	1920	1930	1940	1945	1950	1951	1952
Smelter production of primary slab zinc, total—short tons	269,184	463,377	498,045	675,275	764,561	843,467	881,633	904,479
Value—$1,000	29,072	75,067	47,812	85,085	[1] 131,504	240,051	321,620	300,830
Source:								
From domestic ores—short tons	252,479	450,045	489,361	589,088	467,084	588,291	621,826	575,828
From foreign ores—do	16,705	13,332	8,684	85,287	297,477	255,176	259,807	328,651
Method:								
Electrolytic—percent of total	-------	11	26	28	35	41	38	39
Distilled—do	100	89	74	72	65	59	62	61
Production of redistilled secondary slab zinc—short tons	12,784	21,371	[2] 34,849	48,917	49,242	66,970	48,657	55,111
Average price common zinc at—								
St. Louis—cents per pound	5.42	7.77	4.56	6.34	8.25	13.88	17.99	16.21
London [3]—do	5.00	7.40	3.60	(4)	5.18	14.89	21.46	18.71
Mine production of recoverable zinc—short tons	327,712	587,524	595,425	665,068	614,358	623,375	681,189	666,001
Arizona	2,742	729	815	15,456	40,226	60,480	52,999	47,143
Colorado	38,545	24,395	36,259	5,060	35,773	45,776	55,714	53,203
Idaho	2,802	13,966	37,649	70,601	83,463	87,890	78,121	74,317
Kansas	13,229	61,073	74,304	57,032	48,394	27,176	28,904	25,482
Missouri	128,589	24,509	10,811	12,703	22,175	8,189	11,476	13,986
Montana	15,819	92,169	26,421	52,587	17,403	67,678	85,551	82,185
Nevada	1,354	5,349	14,584	11,833	21,457	21,606	17,443	15,357
New Jersey	68,678	78,511	97,626	91,406	81,392	55,029	62,917	59,190
New Mexico	9,044	5,007	32,765	30,313	40,295	29,263	45,419	50,975
New York	-------	5,654	22,471	35,086	24,978	38,321	40,051	32,636
Oklahoma	6,394	219,727	136,153	162,935	69,300	46,739	53,450	54,916
Tennessee	[5] 1,760	19,217	[5] 48,147	[5] 51,723	[5] 49,899	[5] 47,722	[5] 45,971	[5] 51,429
Utah	8,184	4,079	44,495	43,788	33,630	31,678	34,317	32,947
Washington	-------	213	352	11,560	11,693	14,807	18,189	20,102
Wisconsin	25,927	27,285	12,558	5,770	15,561	5,722	15,754	20,588
Other States [6]	4,645	5,641	15	6,615	18,719	35,299	34,913	31,545
World smelter production—1,000 short tons	893	796	1,536	1,786	1,404	2,167	2,312	2,424

[1] Excludes bonus payments of Office of Metals Reserve.
[2] Includes small quantity of secondary electrolytic zinc.
[3] Average price for foreign zinc, based on average rates of exchange recorded by Federal Reserve Board.
[4] Not available. [5] Includes Virginia. [6] Includes Alaska.

Source of tables 928 and 929: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 930.—Tin—Production, Price, Imports, and Exports: 1930 to 1952

ITEM	1930	1935	1940	1945	1950	1951	1952
Production:							
Domestic mines, long tons	15	44.5	49	-------	94.1	88.0	98.7
Domestic smelters [1], do	-------	-------	1,391	40,475	33,118	31,852	22,805
Secondary sources, do	23,393	24,900	29,700	31,400	31,680	30,745	28,800
Imports for consumption:							
Metal, do	80,734	64,258	124,810	8,493	82,838	28,255	80,543
Ore (tin content), do	289	178	3,000	33,479	25,960	29,621	26,491
Exports (domestic and foreign), do	2,233	[2] 2,292	[2] 2,664	882	799	1,513	380
Monthly price of Straits tin at New York, average [3], cents per pound	31.70	50.39	49.82	[4] 52.00	95.557	128.308	120.44
Apparent consumption [5], long tons	78,501	61,966	123,537	48,086	115,156	58,594	102,968
World mine production, do	176,000	135,000	239,000	87,000	169,000	169,900	173,200

[1] Includes tin content of ores used direct to make alloys.
[2] Foreign only, domestic not separately recorded.
[3] Source: American Metal Market.
[4] Ceiling price.
[5] May vary greatly from actual consumption.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 931.—Bauxite—Production, Imports, and Exports: 1910 to 1952

[Quantities in thousands of long tons; values in thousands of dollars. See also *Historical Statistics*, series G 127–128 for figures on shipments]

ITEM	1910	1920	1930	1940	1945	1949	1950	1951	1952
Production:									
Crude ore	-------	-------	-------	510	1,145	1,352	1,585	2,193	1,980
Dried bauxite equivalent	-------	-------	-------	439	981	1,149	1,335	1,849	1,667
Value	-------	-------	-------	1,754	5,591	6,778	7,693	12,478	10,776
Shipments: [1]									
Gross weight	-------	-------	-------	-------	-------	1,279	1,452	1,622	2,118
Dried bauxite equivalent	-------	-------	-------	-------	-------	1,170	1,337	1,532	1,898
Value	-------	-------	-------	-------	-------	8,545	9,549	12,358	14,605
Imports:									
Quantity [2]	16	43	410	630	740	2,688	2,516	2,820	3,498
Value	66	251	1,996	4,299	5,273	16,353	15,730	17,794	23,194
Exports:									
Quantity [2]	[3]	22	105	82	126	35	45	90	41
Value	[3]	1,844	3,777	1,543	2,425	513	1,156	2,217	845
World production	350	887	1,603	4,321	3,376	8,160	8,030	10,811	12,634

[1] Shipments from mines and processing plants to consumers. Includes crude, dried, calcined, and activated bauxite.
[2] As shipped.
[3] Not separately classified.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook.*

No. 932.—Aluminum—Summary: 1915 to 1952

[See also *Historical Statistics*, series G 125-126 for earlier data on primary aluminum]

ITEM	1915	1920	1930	1940	1945	1950	1951	1952
PRODUCTION								
Total U. S.:								
Production, short tons	53,752	84,521	153,119	286,642	793,447	962,288	1,129,489	1,241,852
Value, $1,000	22,082	50,864	68,138	104,624	226,161	316,046	411,583	456,201
Primary aluminum:								
Production, short tons	45,252	69,021	114,519	206,280	495,060	718,622	836,881	937,330
Value, $1,000	16,280	41,375	50,961	75,292	140,864	235,977	305,074	344,320
Quoted price per pound [1], cents	34.13	30.61	23.8	18.7	15.0	17.7	19.0	19.4
Secondary aluminum:								
Production, short tons	8,500	15,500	38,600	80,362	298,387	243,666	292,608	304,522
Value [2], $1,000	5,802	9,489	17,177	29,332	85,297	80,069	106,509	111,881
World production [3], short tons	93,000	172,000	293,000	868,000	960,000	1,647,000	1,975,000	2,260,000
APPARENT CONSUMPTION								
Total U. S. consumption, short tons	(4)	(4)	(4)	272,823	724,061	974,694	1,051,853	1,143,950
Primary aluminum [5], do	49,899	83,967	70,933	227,017	696,750	898,336	975,262	1,072,686
Secondary aluminum, recovered from old scrap, short tons	(4)	(4)	(4)	45,806	27,311	76,358	76,591	71,264
IMPORTS AND EXPORTS [6]								
Imports:								150,738
Quantity, short tons	4,647	19,650	12,731	18,084	339,285	255,692	161,816	~~1,001,422~~
Value, $1,000	1,766	12,184	4,690	4,737	98,285	67,533	63,469	61,769
Exports:								
Quantity, short tons	(4)	4,704	8,665	27,841	6,703	21,284	14,817	(4)
Value, $1,000	(4)	3,068	3,916	17,919	3,116	11,029	10,159	12,888

[1] New York, No. 1 virgin 98-99 percent, 1915-20; 99-percent-plus virgin, 1930-52. Source: *American Metal Market*.
[2] Based upon average price of primary aluminum as reported to Bureau of Mines, or as quoted by the *Engineering and Mining Journal* and the *American Metal Market*.
[3] Estimated. Source, 1915-30: Imperial Institute.
[4] Not available.
[5] Data not available on fluctuations in consumers' stocks, 1915-40, and in producers' stocks, 1915 and 1920.
[6] Includes aluminum and aluminum alloy ingots, scrap, plates, sheets, bars, etc.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

No. 933.—Magnesium—Production, Exports, Imports and Apparent Consumption: 1920 to 1952

[In short tons, except as noted]

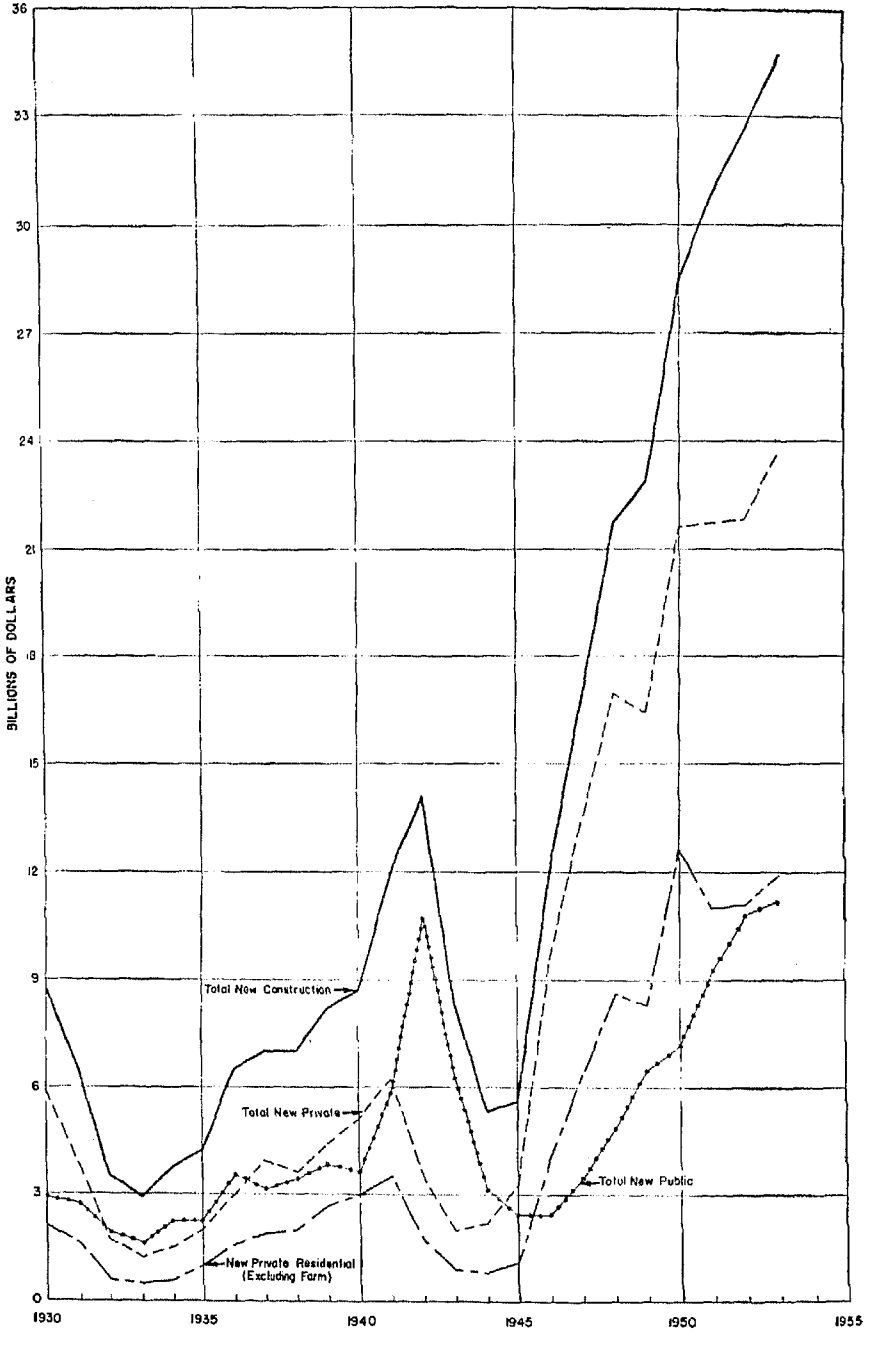
ITEM	1920	1930	1940	1945	1950	1951	1952
Production, ingot equivalent	(1)	587	6,261	32,792	15,726	40,881	105,821
Sales	62	280	6,411	43,496	20,370	40,052	(1)
Price per pound (quoted), cents	100.0	48.0	27.0	20.5	21.6	24.3	24.5
Exports:							
Metal in primary form [2]	(1)	(1)	834	496	586	575	1,066
Powder, ribbons, etc	(1)	(1)	(1)	860	322	186	140
Imports, metallic and scrap	15	3	-------	54	843	3,871	252
Apparent consumption [3]	(1)	280	5,577	43,000	19,784	39,571	89,287
World production	(1)	(1)	42,000	68,000	44,000	88,000	166,488

[1] Not available.
[2] Primary metal only. Alloy exports in addition: 25 tons in 1940, 22 tons in 1945, none in 1950-52.
[3] Not considering fluctuations in consumers' stocks and metal derived from scrap.

Source: Department of the Interior, Bureau of Mines; *Minerals Yearbook*.

Fig. XLVI.—New Construction Activity: 1930 to 1953

[See table 934



Source: Department of Commerce. Chart prepared by Bureau of the Census; data are from Business and Defense Services Administration.

29. Construction and Housing

Construction.—Monthly estimates of the value of work put in place are probably the most widely used of the current Federal statistics on construction. These estimates are prepared jointly by the Business and Defense Services Administration of the Department of Commerce and the Bureau of Labor Statistics of the Department of Labor.

Estimates of privately financed nonresidential construction are primarily the responsibility of the Department of Commerce. Construction estimates for buildings such as stores, warehouses, and factories are based on F. W. Dodge Corporation reports of construction contracts awarded, supplemented by building permit data and information from secondary sources for States which the Dodge Corp. does not cover. Public utility construction estimates are derived from data reported by the Interstate Commerce Commission and other Federal regulatory agencies, and by private associations such as the American Gas Association and the American Transit Association.

Estimates of publicly financed construction of all types and housing construction activity are primarily the responsibilities of the Bureau of Labor Statistics. A considerable number of Federal agencies administer construction programs or award contracts for construction; some of them engage in construction themselves. In this field, construction activity data are derived by the Bureau of Labor Statistics from the reports of the respective Federal agencies; data on State and local governmental construction activity are derived from F. W. Dodge Corporation and Engineering News-Record reports. Estimates of residential construction activity, including number of housing units started by type of structure and source of funds, and average construction costs, are based primarily upon reports of building permits granted which are received from nearly 7,000 permit-granting authorities. Field surveys on a sample basis are used to obtain data on housing activity in nonpermit areas. Statistics on housing starts in certain metropolitan areas are available from the Bureau of Labor Statistics for 1946 through the first quarter of 1951. The current program of the Bureau of Labor Statistics provides monthly estimates of the number of housing starts in the nation as a whole, and, beginning with January 1954, monthly statistics for four broad geographic divisions, and by class of area (metropolitan-nonmetropolitan).

The Bureau of the Census conducted a Census of Construction for 1929, 1935, and 1939. The last census covered all persons or establishments whose principal business in 1939 was utilizing construction materials and labor in construction work for others, or for themselves for speculative and investment purposes on projects located within the limits of continental United States. Because the census excluded force account work, its coverage was substantially less than current estimates of value of work put in place.

Housing.—The first Census of Housing was taken in 1940 as part of the Sixteenth Decennial Census, although some housing data were collected by the Bureau of the Census in earlier years in conjunction with Censuses of Population and Agriculture. Housing data, in less detail but roughly comparable to those obtained in the 1940 Census, were collected in sample surveys by the Bureau of the Census in October 1944, November 1945, and April 1947 as part of the Current Population Surveys; also, sample data on selected characteristics were collected in May 1948. The 1950 Census

Note.—This section presents data for the most recent year or period available on May 21, 1954, when the material was organized and sent to the printer.

of Housing was the second Census of Housing; this Census was authorized by the Housing Act of 1949, which provided also that a Census of Housing be taken decennially thereafter.

Urban and rural, farm and nonfarm residence.—A new definition was adopted for use in the 1950 Census in response to requests from many users of census data for a more realistic classification by urban and rural residence. For this definition and additional explanation, see page 2. In the 1950 Census, the enumerators in rural areas were specifically instructed to base the farm-nonfarm classification of a dwelling unit on the respondent's answer to the question, "Is this house on a farm?" Farm residence is therefore determined without regard to the occupation of the members of the household.

In rural areas, dwelling units are classified into rural-farm units which comprise all dwelling units on farms, and rural-nonfarm units which are the remaining rural units. In the 1950 Census of Housing, as in 1940 and earlier, farm housing was defined to include all housing on farms. However, in the 1940 and previous censuses, there was no specific exclusion of dwelling units for which cash rent was paid for the house and yard only, nor of institutions, summer camps, and tourist courts; these were excluded in 1950.

Dwelling unit.—In general, a dwelling unit is a group of rooms or a single room occupied, or intended for occupancy, as separate living quarters by a family or other group of persons living together or by a person living alone. Living quarters of the following types are not included in the dwelling-unit inventory: Rooming houses with five lodgers or more, transient accommodations (tourist courts, hotels, etc., predominantly for transients), and barracks for workers (railroad, construction, etc.).

The count of dwelling units in the 1950 Census may be considered comparable with the count in the 1940 Census. The enumeration of vacant units in the 1950 Census of Housing was not entirely comparable with the procedure used in the 1940 Census. However, counts of total vacant units in 1950 are considered more inclusive than in 1940. In 1940, vacant units were enumerated only if they were habitable; vacant units which were uninhabitable and beyond repair were omitted. In 1950, all vacant units, whether or not dilapidated, were included if they were intended for occupancy as living quarters.

Residential financing.—Statistics on residential financing were collected on a sample basis as part of the 1950 Census of Housing. The survey covered nonfarm residential mortgaged properties, both owner and rental. The data are expressed in terms of mortgaged properties, number of mortgages, and outstanding mortgage debt. Construction mortgages were excluded.

Data on home mortgages and foreclosures, based largely on reports from major holders, are provided by the Home Loan Bank Board. The Federal Housing Administration compiles, from its records, data on its real estate financial operations, such as volume of mortgages insured, type of lending institution, etc. The Veterans' Administration also compiles, from its records, data on amounts and types of loans. For explanation of the relationship between the data obtained in the 1950 Census of Housing and those compiled from other sources, see Department of Commerce, Bureau of the Census, 1950 Census of Housing, Volume IV, *Residential Financing.*

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series H 1–26") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945.* See preface.

No. 934.—Construction in the United States—Estimated Expenditures for Private and Public Construction: 1915 to 1953

[*In millions of dollars.* Represents value of work put-in-place during year; consequently differs from building permit and construction contract data which measure value of work started. In addition, coverage generally broader than permit and contract data. Includes value and cost of installation of equipment which is integral part of structure, but not that of machinery, shipbuilding, or land costs. See also *Historical Statistics*, series H 1-26]

TYPE OF CONSTRUCTION	1915	1920	1925	1930	1935	1940	1942	1943	1944
Total	4,890	9,560	14,782	12,391	7,186	12,560	18,184	12,500	9,686
New construction, total	3,202	6,749	11,439	8,741	4,232	8,682	14,075	8,301	5,259
Adjusted values, 1939 prices	*5,590*	*5,059*	*10,874*	*8,561*	*4,549*	*8,203*	*10,888*	*6,131*	*3,918*
Adjusted values, 1947-49 prices	*11,503*	*10,546*	*22,504*	*17,440*	*9,081*	*16,766*	*22,913*	*12,828*	*8,162*
Private, total	2,543	5,307	9,301	5,883	1,999	5,054	3,415	1,979	2,186
Residential (excl. farm)	1,220	2,015	5,515	2,075	1,010	2,985	1,715	885	815
Nonresidential building [1]	478	1,964	2,060	2,003	472	1,025	635	233	351
Industrial	197	1,009	*513*	*532*	158	442	346	156	208
Warehouses, office and loft bldgs	(2)	258	357	596	75	91	62	14	17
Stores, restaurants and garages	(2)	367	583	297	136	257	93	19	39
Other nonresidential bldgs	(2)	240	607	578	103	235	134	44	87
Farm construction	229	566	311	193	126	240	260	284	283
Operators' dwellings	109	266	141	107	*61*	*145*	*135*	*121*	*108*
Service buildings	120	300	170	86	65	95	125	163	175
Public utility	549	771	1,302	1,527	363	771	786	570	725
Railroad	241	184	393	521	116	167	197	211	247
Telephone and telegraph	43	124	210	333	52	122	155	61	83
Other public utility [3]	265	463	699	673	195	482	434	298	395
All other private	67	81	113	85	28	33	19	7	12
Public, total [4]	719	1,352	2,138	2,858	2,233	3,628	10,660	6,322	3,073
Residential					9	200	545	739	211
Nonresidential building	217	283	*573*	660	328	*615*	3,685	*2,010*	*1,351*
Industrial	(1)	(1)	(1)	(1)	2	164	3,437	1,870	1,230
Educational	(2)	190	400	364	153	156	128	63	41
Hospital and institutional	(2)	33	61	118	38	54	35	44	58
Other nonresidential	(2)	60	112	178	135	241	85	33	32
Military and naval	17	161	8	29	37	385	5,016	2,550	837
Highway	302	656	1,082	1,516	845	1,302	734	446	302
Sewer and water	106	153	278	343	175	338	169	107	79
Misc. public service enterprises	40	39	120	157	71	131	85	49	46
Conservation and development	36	*55*	*73*	137	700	*528*	357	285	163
All other public	1	5	4	16	68	129	69	136	14
Maintenance and repair	1,628	2,811	3,343	3,650	2,954	3,878	4,109	4,190	4,427

TYPE OF CONSTRUCTION	1945	1946	1947	1948	1949	1950	1951	1952	1953
Total	10,524	18,594	24,950	31,202	32,550	38,680	41,793	44,001	(5)
New construction, total	5,633	12,000	16,689	21,678	22,789	28,454	30,895	32,638	34,843
Adjusted values, 1939 prices	*4,051*	*7,486*							
Adjusted values, 1947-49 prices	*8,430*	*15,531*	*17,784*	*20,765*	*22,177*	*26,608*	*26,742*	*27,355*	*28,552*
Private, total	3,235	9,638	13,256	16,853	16,384	21,454	21,564	21,812	23,615
Residential (excl. farm)	1,100	4,015	6,310	8,580	8,267	12,600	10,973	11,100	11,905
Nonresidential building	1,020	3,341	3,142	3,621	3,228	3,777	5,152	5,014	5,676
Industrial	642	1,689	1,702	1,397	972	1,062	2,117	2,320	2,226
Warehouses, office and loft bldgs	56	331	237	352	321	402	544	515	737
Stores, restaurants and garages	147	801	619	901	706	886	827	622	1,054
Other nonresidential bldg	175	520	584	971	1,229	1,427	1,664	1,557	1,659
Farm construction	267	856	1,397	1,544	1,488	1,635	1,646	1,610	1,475
Operators' dwellings	100	409	683	738	695	763	771	750	691
Service buildings	167	447	714	806	793	872	875	860	784
Public utility	827	1,374	2,338	3,043	3,323	3,330	3,729	4,003	4,439
Railroad	264	258	318	379	*352*	*315*	*399*	*438*	*480*
Telephone and telegraph	117	305	510	713	533	440	487	570	600
Other public utility [3]	446	811	1,510	1,951	2,438	2,575	2,843	2,995	3,359
All other private	21	52	69	65	78	112	64	85	120
Public, total [4]	2,398	2,362	3,433	4,825	6,405	7,000	9,331	10,826	11,228
Residential	80	*374*	200	*156*	359	345	595	654	554
Nonresidential building	937	354	599	1,301	2,068	2,384	3,469	4,119	4,317
Industrial	755	113	96	196	177	224	946	1,667	1,758
Educational	59	101	287	618	934	1,133	1,513	1,619	1,742
Hospital and institutional	85	*85*	*85*	223	477	496	528	473	347
Other nonresidential	38	*55*	131	264	480	531	482	360	470
Military and naval	690	188	204	158	137	177	887	1,388	1,323
Highway	398	895	1,451	1,774	2,131	2,272	2,518	2,860	3,150
Sewer and water	97	194	351	535	619	659	716	692	761
Misc. public service enterprises	*55*	99	164	185	203	186	213	193	196
Conservation and development	130	240	394	629	793	881	853	884	822
All other public	11	18	70	87	95	97	80	66	105
Maintenance and repair	4,891	6,594	8,261	9,524	9,761	10,226	10,898	11,363	(5)

[1] Public industrial and commercial building not segregable from private construction, 1915–32; amount believed negligible. [2] Not available separately.
[3] Including local transit. [4] Includes work-relief construction, 1933–1943. [5] Not available.

Source: Department of Commerce, Business and Defense Services Administration. Current estimates are published monthly in *Construction and Building Materials Industry Report* and in *Survey of Current Business*.

No. 935.—Construction and Building Cost Indexes: 1917 to 1953

[1913=100 except Aberthaw for which base year is 1914. See also *Historical Statistics*, series H 64, 65, and 73, for AAC, ENR (const.), and Turner indexes]

YEAR	AAC (new) [1]	AGC [2]	ENR Const.[3]	ENR Bldg.[3]	Boeckh, U. S.[4]	Aberthaw [5]	Fuller [6]	Turner [7]	M & S [8]	S. H. & G.[9]
1917	143	152	181	167	142	126	156	147	127	-------
1918	177	175	189	159	156	147	160	166	148	-------
1919	229	198	198	159	172	172	168	196	185	-------
1920	283	247	251	207	214	234	209	252	238	-------
1921	216	200	202	166	175	179	188	183	178	-------
1922	200	184	174	155	162	170	175	175	172	-------
1923	224	201	214	186	181	202	190	196	182	190
1924	222	202	215	186	181	198	194	194	183	193
1925	217	199	207	183	179	195	193	195	185	187
1926	217	197	208	185	181	197	202	195	185	185
1927	217	200	206	186	179	193	197	190	182	185
1928	217	199	207	188	179	191	196	190	184	188
1929	217	203	207	191	184	190	201	185	179	190
1930	200	200	203	185	181	186	199	165	165	181
1931	178	196	181	168	168	176	180	145	156	148
1932	155	171	157	141	144	168	157	136	130	128
1933	150	163	170	148	148	170	155	141	143	137
1934	161	178	198	167	161	176	171	160	156	157
1935	162	176	196	166	159	177	167	162	164	161
1936	170	179	206	172	164	184	168	166	166	173
1937	198	188	235	196	183	199	187	193	180	200
1938	199	189	236	197	189	191	192	188	178	200
1939	200	188	236	197	191	190	195	182	183	199
1940	204	189	242	203	195	193	196	194	190	204
1941	217	198	258	211	204	208	206	217	202	217
1942	241	209	276	222	214	223	229	245	218	226
1943	252	216	290	229	223	225	238	257	227	245
1944	261	223	299	235	237	227	240	244	234	264
1945	271	231	308	239	252	236	241	257	248	285
1946	322	257	346	262	275	279	290	318	288	319
1947	430	306	413	313	323	304	354	380	338	371
1948	490	332	461	345	365	321	380	422	368	405
1949	490	342	477	352	369	312	382	414	365	395
1950	500	357	510	375	386	321	377	427	390	426
1951	532	377	543	401	415	370	405	478	430	476
1952	553	388	569	416	430	381	416	493	436	499
1953	577	408	600	431	445	388	429	500	448	504

[1] American Appraisal Co. Average for 30 cities of 4 types of buildings: Wood frame, brick-wood frame, brick-steel frame, reinforced concrete. Mechanicals not included. Based on actual appraisal costs. Available for individual cities.

[2] Associated General Contractors of America. Wages and materials for 12 cities combined in 40-60 ratio. Wages, prevailing rates for hod carriers and common labor. Materials, weighted: Sand, gravel and crushed stone, 1; cement, 1; lumber, 1; hollow tile, ½; structural and reinforcing steel, ½.

[3] Engineering News Record construction cost index has 4 components: (1) Structural steel shapes, base price; (2) cement, which is 20-cities average but prior to July, 1948, was Chicago price only; (3) lumber, which until 1935 was 12 x 12 long leaf yellow pine wholesale at New York, and since 1935 is 2 x 4 S⁴S pine and fir in carload lots, ENR 20-cities average; (4) common labor, ENR 20-cities average of wage rates in force, ENR Building Cost index provides a more representative measure of building cost movement, the skilled labor trend having been substituted for the common labor trend in the ENR Construction Cost index, and the ENR Building Cost index computed.

[4] E. H. Boeckh & Assoc., Inc. Individual series for 10 types of buildings for 20 areas. Weights based on studies of actual building costs—vary with different type of structures. Material prices are those paid by contractors to material dealers. Prevailing skilled and common wage rates from contractors. Base: United States average, 1926–29=100. Series given here is commercial and factory buildings, U. S. average converted to 1913=100 base.

[5] Aberthaw. Until Mar. 31, 1946, New England, 7-story and basement (62′ 4″ x 202′ 4″), reinforced concrete building built in 1914, repriced quarterly as a construction bid to duplicate original building; labor costs based on current experience with similar construction. Since Mar. 31, 1946, New England, composite of 36 major cost items in 3 multi-story and 2 one-story industrial buildings, including all mechanical trades, repriced using actual and estimated labor and material costs.

[6] George A. Fuller Company. Composite of 36 major cost elements, in 3 commercial type buildings, including mechanicals, elevators, wiring, heating and ventilating, repriced.

[7] Turner Construction Co. Eastern Cities. Own building cost experience applied to these factors: Labor rates, material prices, productivity of labor, efficiency of plant and management, competitive conditions.

[8] Marshall and Stevens. Averages for 4 types of building: Fireproof protected steel, fireproof reinforced concrete, masonry, and frame. Designed to reflect normal costs in line with recognized or published prices of building materials, equipment, and labor. Base: U. S. average, 1926=100, converted to 1913=100 base.

[9] Smith, Hinchman, and Grylls, Inc. Actual in-place costs, using building material costs, freight rates, skilled and unskilled labor rates and including labor efficiency and premiums, bidding competition, contractor profit margins and overhead. Figured with the contractor overhead are taxes, duration of projects, material expediting and labor procurement. This index is reported monthly on a 1926=100 base, converted to 1913=100 base.

Source: Engineering News-Record, New York, N. Y.

No. 936.—Building Construction in All Urban Areas—Value, by Class of Construction and by Source of Funds: 1952 and 1953

[In thousands of dollars. Compiled from estimates of construction costs made by prospective builders when applying for permits to build and value of contracts awarded by Federal Government. Covers entire urban area of United States which includes all incorporated places of 2,500 or more in 1940 and, by special rule, a small number of unincorporated civil divisions]

CLASS OF CONSTRUCTION	TOTAL		NON-FEDERAL		FEDERAL [1]	
	1952	1953	1952	1953	1952	1953
All building construction	8,918,917	9,603,891	8,118,753	9,118,208	800,164	485,683
New buildings	7,788,418	8,353,694	7,033,538	7,894,929	754,880	458,765
Residential buildings [1]	5,158,277	5,023,225	4,694,647	4,738,633	463,630	284,592
1-family dwellings	4,068,890	4,014,139	4,049,831	3,993,421	19,059	20,718
2-family dwellings [2]	213,772	201,133	213,772	201,133	----------	----------
Multifamily dwellings [3]	823,902	714,842	379,331	450,968	444,571	263,874
Nonhousekeeping buildings	51,713	93,111	51,713	93,111	----------	----------
Nonresidential buildings	2,630,141	3,330,469	2,338,891	3,156,296	291,250	174,173
Amusement buildings	33,899	75,494	33,825	75,494	74	----------
Churches	179,874	201,809	179,874	201,809	----------	----------
Factories and workshops	351,520	429,709	338,619	422,305	12,901	7,404
Public garages	37,861	50,238	37,861	50,238	----------	----------
Private garages	123,512	119,565	123,512	119,565	----------	----------
Service stations	46,238	64,798	46,238	64,798	----------	----------
Institutions	333,470	288,068	192,621	224,805	140,849	63,263
Office buildings	165,550	333,462	165,550	333,462	----------	----------
Public buildings	155,083	119,502	64,370	94,548	90,713	24,954
Public works and utilities	135,525	193,608	129,846	187,603	5,679	5,915
Schools and libraries	580,937	778,165	539,903	705,539	41,034	72,626
Sheds, stables and barns	10,722	12,917	10,722	12,917	----------	----------
Stores and warehouses	400,201	569,695	400,201	569,695	----------	----------
All other	75,749	93,439	75,749	93,428	----------	11
Additions, alterations and repairs	1,130,499	1,250,197	1,085,215	1,223,279	45,284	26,918

[1] Housing financed solely by State and local governments is included under "Federal" to segregate public from private housing.
[2] Includes 1- and 2-family dwellings with stores. [3] Includes multifamily dwellings with stores.

Source: Department of Labor, Bureau of Labor Statistics; annual and current data are published in the monthly pamphlet, *Construction*, in monthly releases, and in *Monthly Labor Review*.

No. 937.—New Permanent Dwelling Units Started in Nonfarm Areas, by Type: 1920 to 1953

[Figures are estimates covering construction of all new permanent family dwelling units in nonfarm area of United States, based upon building-permit reports, and from 1946, on building-permit information, supplemented by data from field surveys in non-permit-issuing places. This area consists of all urban and rural nonfarm places. Urban designation is applied to all incorporated places with a population of 2,500 or more in 1940, and, by special rule, to a small number of unincorporated civil divisions. Rural nonfarm construction includes all construction for nonagricultural use in unincorporated areas and incorporated places of less than 2,500 population. See also *Historical Statistics*, series H 40-45; data for 1941–1945 in historical volume include temporary units]

YEAR	NUMBER OF DWELLING UNITS STARTED								ESTIMATED CONSTRUCTION COST (millions of dollars) [4]		
	Total nonfarm	Area [1]		Type of dwelling			Ownership				
		Urban	Rural nonfarm	1-family	2-family [2]	Multifamily [3]	Private	Public	Total	Privately financed	Publicly financed
1920	247,000	196,000	51,000	202,000	24,000	21,000	247,000	----------	1,068	1,068	----------
1925	937,000	752,000	185,000	572,000	157,000	208,000	937,000	----------	4,475	4,475	----------
1930	330,000	236,000	94,000	227,000	29,000	74,000	330,000	----------	1,494	1,494	----------
1935	221,000	117,000	104,000	183,000	8,000	30,000	215,705	5,295	757	733	25
1940	603,000	397,000	206,000	486,000	37,000	80,000	530,000	73,600	2,299	2,072	227
1945	209,300	133,900	75,400	184,600	8,800	15,900	208,159	1,241	966	959	6
1946	670,500	403,700	266,800	590,000	24,300	56,200	662,473	8,027	3,770	3,714	56
1947	849,000	479,800	369,200	740,200	33,900	74,900	845,560	3,440	5,643	5,617	25
1948	931,600	524,900	406,700	766,600	46,900	118,100	913,500	18,100	7,203	7,029	174
1949	1,025,100	588,800	436,300	794,300	36,500	194,300	988,800	36,300	7,703	7,374	329
1950	1,396,000	827,800	568,200	1,154,100	44,800	197,100	1,352,200	43,800	11,789	11,418	370
1951	1,091,300	595,300	496,000	900,100	40,400	150,800	1,020,100	71,200	9,801	9,186	615
1952	1,127,000	609,600	517,400	942,500	45,900	138,600	1,068,500	58,500	10,209	9,706	503
1953 (prel.)	1,106,000	[5]	[5]	[5]	[5]	[5]	1,070,400	35,600	10,515	10,208	307

[1] Urban and rural nonfarm classification for 1920 and 1925 are based on 1930 Census; for 1930–52, on 1940 Census.
[2] Includes 1- and 2-family dwellings with stores. [3] Includes multifamily dwellings with stores.
[4] Private construction costs based on permit valuation, adjusted for understatement of costs shown on permit applications. Public construction costs based on contract values or estimated construction costs for individual projects. [5] Not available.

Source: 1920 and 1925, National Bureau of Economic Research; later years, Department of Labor, Bureau of Labor Statistics. Published in monthly releases and in the monthly pamphlet, *Construction*.

No. 938.—Number and Average Construction Cost of New Permanent Privately Owned One-Family Dwelling Units Started: 1940 to 1953

[Average cost of all such dwelling units started nationally. Data do not represent construction cost of a typical house. These averages are affected by changes in cost of materials and labor, variations in size and design of the houses, type of projects started, differences in construction methods, and other variables. Construction costs cover only labor, materials, and subcontracted work, and that part of the builders' overhead and profit chargeable directly to the construction projects. Cost data based primarily on builders' estimates of construction cost made at the start of construction, and from 1946, also on reports of construction cost by individual construction contractors in a representative group of localities not issuing permits]

PERIOD	Number of dwelling units started	Average construction cost per unit	PERIOD	Number of dwelling units started	Average construction cost per unit
1940	447,000	$4,075	1953	932,800	$9,950
1941	553,200	4,250	January	58,200	9,400
1942	252,300	3,900	February	63,800	9,600
1943	136,300	3,675	March	83,800	9,800
1944	114,600	3,450	April	94,200	10,000
1945	184,600	4,650	May	93,400	9,900
1946	590,000	5,525	June	89,600	10,000
1947	740,200	6,750	July	84,400	10,125
1948	763,200	7,850	August	81,500	10,175
1949	792,400	7,625	September	80,900	10,200
1950	1,150,700	8,675	October	79,300	10,175
1951	892,200	9,300	November	70,200	9,975
1952	939,100	9,475	December	53,600	10,000

Source: Department of Labor, Bureau of Labor Statistics; *Construction During Five Decades*, Bulletin No. 1146.

No. 939.—Indexes of Wholesale Prices of Building Materials: 1950 to 1953

[1947-49=100]

COMMODITY	1950	1951	1952	1953	COMMODITY	1950	1951	1952	1953
All building materials	109.5	119.6	118.2	119.9	Metal and metal products:				
Lumber and wood products:					Structural steel shapes	121.1	128.4	131.1	138.2
Lumber	114.5	123.6	120.5	119.3	Hardware (finish)	114.2	125.8	125.4	132.7
Douglas fir	117.6	128.6	127.3	117.2	Plumbing equipment	108.2	122.5	117.4	116.0
Southern pine	108.0	115.7	116.9	115.8	Enameled iron fixtures	115.5	130.0	122.4	126.1
Other softwoods	118.9	130.0	128.2	132.0	Vitreous china fixtures	114.1	128.3	122.0	107.1
Hardwood	114.8	122.4	112.5	114.8	Brass fittings	100.5	114.8	112.2	114.7
Millwork	114.6	130.1	127.0	131.5	Heating equipment	105.1	114.6	113.8	114.8
Plywood	106.5	115.1	105.0	109.3	Metal doors, sash, trim	110.0	121.0	117.7	122.6
Softwood plywood	113.8	121.1	110.3	110.7	Nonmetallic mineral items:				
Hardwood plywood	101.4	110.8	101.3	108.4	Concrete ingredients	106.8	113.0	113.0	117.4
Chemical and allied products:					Portland cement	108.0	116.4	116.4	122.2
Paint and paint materials	96.8	108.9	107.3	106.7	Concrete products	105.5	112.3	112.5	115.4
Prepared paint	99.3	109.0	110.4	111.1	Structural clay products	112.6	121.4	122.0	128.1
Paint materials	90.9	108.8	100.3	96.2	Gypsum products	104.6	117.4	117.7	121.0
					Insulation materials	101.1	104.1	105.4	107.9
					Other items: Building paper and board	107.6	113.4	115.5	121.4

Source: Department of Labor, Bureau of Labor Statistics; *Construction During Five Decades*, Bulletin No. 1146.

No. 940.—Federal Contract Awards for New Construction (Value), by Type of Project: 1935 to 1953

[**In thousands of dollars.** Includes force-account construction started, which is work done directly by Federal agency (not through contractor), using separate work force to perform nonmaintenance work on agency's own property. For Federal-aid programs, includes funds to be contributed by owner as well as Federal Government. Major additions and alterations considered new construction. Secret projects sometimes excluded]

TYPE OF PROJECT	1935	1940	1945	1949	1950	1951	1952	1953 [1]
Total new construction	1,478,073	2,316,467	1,092,181	2,174,203	2,805,214	4,230,552	4,730,311	2,823,869
Airfields [2]	(3)	137,112	41,219	49,317	53,183	278,630	140,991	106,331
Building	442,782	1,537,910	806,917	880,101	1,369,617	2,183,951	2,596,961	1,225,226
Residential	7,833	244,671	60,535	46,800	15,445	8,966	23,206	15,239
Nonresidential	434,949	1,293,239	746,382	833,301	1,354,172	2,174,985	2,573,065	1,209,987
Conservation and development	438,725	197,589	72,150	497,557	321,458	396,841	287,498	203,091
Reclamation	158,027	69,028	30,765	184,803	81,768	86,928	92,916	63,604
River, harbor, and flood control	280,698	128,561	41,385	312,754	239,690	309,913	194,582	139,487
Highways	381,037	364,048	100,969	690,469	836,015	850,946	1,005,808	1,050,116
All other [4]	215,529	79,808	70,926	56,759	219,941	520,184	699,053	239,105

[1] Preliminary.
[2] Excludes hangars and other buildings, which are included under nonresidential building.
[3] Included in "All other."
[4] Covers electrification projects, water-supply and sewage-disposal systems, railroad construction, etc.

Source: Department of Labor, Bureau of Labor Statistics; *Construction During Five Decades*, Bulletin 1146. Current data published monthly in *Construction* and in *Monthly Labor Review*.

No. 941.—Federal Expenditures for Public Works: 1953 and 1954

[**In millions of dollars.** For years ending June 30. Includes direct Federal works and grants and loans to State and local governments for public works]

FUNCTION AND TYPE OF FACILITY	1953 actual	1954 estimate
Civil public works, total	2,168	1,886
Veterans' services and benefits	102	75
Hospitals and other facilities	98	72
Memorials and cemeteries	4	3
International security and foreign relations: Radio facilities and buildings	27	14
Social security, welfare and health	77	64
Hospitals	60	49
Medical and public health research facilities	14	10
Construction of Federal prisons	1	2
Defense community facilities for health	1	3
Housing and community development	46	−98
Loans for low-rent housing (net)	−2	−108
Public works in Alaska and Virgin Islands	9	11
Defense and veterans' housing	27	32
Community facilities	12	27
Education and general research	136	122
Research facilities	1	2
Grants for school construction	134	120
Agriculture and agricultural resources	2	30
Grain storage facilities	1	26
Water facilities and other	1	4
Natural resources	1,027	889
Water resources and related development: Irrigation, flood control, navigation, and power	987	836
Roads, buildings, and utilities on Indian lands	11	14
Forest roads and structures	13	22
Mineral and other research facilities	3	3
Fish hatcheries and wildlife refuges	1	2
Parkways, roads, buildings, and *utilities in national parks*	11	12
Transportation and communication	704	738
Water navigation aids and facilities	58	53
Federal-aid highways	500	533
Forest highways and other roads	56	63
Alaska Railroad and other	15	15
Airports	29	19
Air navigation facilities	17	15
Research facilities	29	41
Finance, commerce, and industry: Synthetic rubber and other production plants	24	27
General government: Government buildings	23	26
National security public works and construction, total	2,986	2,958
Army, Navy, and Air Force construction	1,913	1,687
Atomic energy facilities	1,054	1,257
Stockpile storage facilities	19	14

Source: Executive Office of the President, Bureau of the Budget; *Budget of the U. S. Government, 1955*, Special Analysis F.

No. 942.—Construction Contracts Awarded in 37 States—Value of Construction and Floor Space of Buildings, by Class of Construction: 1925 to 1953

[**Values in millions of dollars; floor space in thousands of square feet.** Public works and public utilities cover some projects not measurable in terms of floor space, such as highways, pipe lines, subways, etc. Statistics for the 37 States were not compiled for years prior to 1925, but available figures covering a varying number of States for earlier years have been published in the 1932 and previous issues of the *Statistical Abstract*. Figures for individual States and districts in table 943 represent value of construction contracts awarded in States and districts where work was actually done. See also *Historical Statistics*, series H 51-57]

YEAR	Total	Residential	Commercial [1]	Manufacturing buildings [2]	Public works	Public utilities [1 2]	Educational	Hospital and institutional	Public buildings	Religious	Social and recreational	Miscellaneous nonresidential
VALUE OF CONSTRUCTION												
1925	6,006.4	2,747.7	872.4	326.6	653.9	403.0	418.7	111.1	54.5	153.1	253.0	12.4
1929	5,750.8	1,915.7	929.2	545.9	940.1	469.6	369.6	152.2	120.8	106.1	146.6	54.9
1930	4,523.1	1,101.3	616.3	256.6	969.6	629.8	366.2	163.1	139.8	92.8	116.6	70.9
1933	1,255.7	249.3	99.4	127.5	504.5	84.5	38.9	37.3	50.9	17.7	27.2	18.7
1935	1,844.5	478.8	164.5	108.9	589.1	95.7	168.3	47.1	97.8	23.7	54.9	16.0
1936	2,675.3	801.6	249.1	198.0	721.8	192.1	219.0	74.1	102.2	28.3	74.9	14.2
1937	2,913.1	905.3	297.0	313.7	588.7	262.9	223.2	81.8	104.9	36.9	83.8	14.8
1938	3,196.9	985.8	215.8	121.1	850.2	288.8	334.1	115.6	114.1	35.8	108.0	27.7
1939	3,550.5	1,334.3	246.9	174.8	961.7	289.0	201.4	82.9	110.0	38.4	82.2	28.9
1940	4,004.0	1,596.9	318.3	442.4	831.3	281.1	147.2	94.1	80.2	45.7	62.6	104.2
1941	6,007.5	1,953.8	471.2	1,181.5	1,109.3	628.7	140.9	88.5	89.4	52.5	78.1	213.6
1942	8,255.1	1,817.7	302.2	2,227.5	1,302.5	1,238.1	147.9	184.9	101.6	23.5	101.3	807.7
1943	3,274.0	867.8	120.7	766.2	470.6	511.4	62.4	110.7	24.7	7.1	58.2	274.2
1944	1,994.0	348.4	80.8	472.7	429.6	316.6	69.2	59.2	11.9	11.6	32.7	161.3
1945	3,209.3	563.5	346.4	1,027.0	482.6	402.8	100.2	112.6	15.9	34.8	60.3	153.2
1946	7,489.7	3,142.1	773.2	1,317.3	1,194.7	436.6	221.4	130.9	25.1	67.6	92.5	88.3
1947	7,759.9	3,153.8	785.5	941.4	1,344.0	546.4	391.9	192.0	73.1	117.5	122.1	92.2
1948	9,429.6	3,608.0	975.0	830.8	1,627.1	528.0	724.6	404.9	83.5	245.2	232.4	161.0
1949	10,359.2	4,239.4	885.0	558.6	1,778.6	697.4	824.4	554.8	118.9	275.5	222.1	204.7
1950	14,501.1	6,741.0	1,208.5	1,142.3	1,930.0	648.4	1,179.8	655.2	124.3	386.3	261.3	273.9
1951 [3]	15,751.1	6,205.4	915.3	2,883.3	1,824.0	899.2	1,334.6	580.8	158.2	299.3	136.4	514.6
1952 [3]	16,774.9	6,667.5	979.2	2,558.1	2,267.6	1,144.8	1,471.6	443.7	233.2	317.5	153.4	538.3
1953 [3]	17,443.5	6,479.1	1,489.4	2,051.4	2,898.6	1,199.9	1,720.0	433.6	202.7	384.7	221.8	452.3
FLOOR SPACE OF BUILDINGS												
1925	936,226	559,499	160,066	66,901	3,040	11,358	60,543	14,037	8,294	18,870	32,261	1,357
1929	791,099	387,670	161,264	105,524	450	5,353	58,630	19,496	12,626	12,818	21,457	5,802
1930	510,382	230,040	96,586	48,019	826	7,611	56,955	19,121	17,023	10,864	10,089	7,248
1933	147,053	72,783	22,551	18,985	170	1,491	5,523	5,598	9,474	2,633	5,606	2,239
1935	251,558	135,416	35,391	20,638	915	1,077	26,046	6,176	13,522	3,534	7,909	934
1936	409,676	222,514	57,178	40,291	1,038	3,360	41,985	10,369	14,282	4,312	12,852	1,495
1937	446,084	235,515	62,283	60,816	1,301	5,197	36,489	11,411	12,464	5,730	13,544	1,334
1938	429,028	240,568	41,789	25,246	1,038	1,679	57,022	17,235	15,564	5,303	17,691	5,893
1939	513,380	332,650	48,798	44,268	603	1,319	34,418	11,593	15,121	6,213	12,371	6,020
1940	690,459	420,531	66,588	94,772	330	1,536	24,761	14,401	11,869	7,108	11,909	36,653
1941	956,719	502,676	105,851	187,923	11,647	2,104	24,499	15,394	14,453	8,567	14,761	68,844
1942	1,314,220	449,454	74,679	446,055	13,400	3,837	30,586	34,083	19,806	3,477	23,326	216,117
1943	448,244	200,647	22,171	105,822	1,851	1,090	11,969	19,947	4,754	1,001	12,862	66,130
1944	234,549	73,955	12,490	84,356	1,290	3,748	9,797	7,637	1,999	1,420	5,096	32,769
1945	412,423	111,244	63,197	158,207	1,348	13,701	12,453	11,331	1,858	4,569	8,097	26,423
1946	959,610	516,256	118,563	235,238	919	10,537	25,883	15,245	2,211	8,404	11,292	15,060
1947	831,965	478,713	100,043	142,990	648	3,943	41,042	19,915	6,320	12,282	14,235	11,838
1948	850,651	464,256	100,602	109,693	243	1,046	72,345	35,487	6,184	21,162	21,972	17,664
1949	869,366	520,477	86,446	61,143	14	5,216	79,048	42,076	7,726	24,598	20,992	21,638
1950	1,313,879	828,140	122,430	114,860	[4]	2,407	110,554	44,526	9,456	20,371	24,219	27,922
1951	1,158,347	684,512	77,214	148,231	[5]	3,719	109,490	37,881	10,800	25,133	11,255	50,115
1952	1,166,947	723,703	82,072	114,823	[5]	2,235	106,717	26,177	14,698	22,295	11,723	62,421
1953	1,180,330	689,107	122,904	111,687	[5]	1,600	124,245	22,868	13,056	27,714	17,318	49,843

[1] Data for airports now included with "Public utilities"; prior to 1930, included with "Commercial."
[2] Data for pipe lines now included with "Public utilities"; prior to 1929, included with "Manufacturing buildings."
[3] Includes data for Atomic Energy Commission projects ($980,000,000 in 1951, $923,000,000 in 1952, and $478,856,000 in 1953) for which floor space data are excluded because of security restrictions.
[4] Not shown separately; negligible amount with respect to total. [5] Data no longer reported.

Source: The F. W. Dodge Corporation, New York, N. Y.; Statistical and Research Division, historical record. Figures published currently in *Statistical Research Service*.

No. 943.—Construction Contracts Awarded in 37 States—Value, by Districts and States: 1946 to 1953

[Value in thousands of dollars. See headnote, table 942]

DISTRICT AND STATE	1946	1947	1948	1949	1950	1951	1952	1953
Total (37 states)	7,489,722	7,759,868	9,429,618	10,359,250	14,501,055	15,751,131	16,774,936	17,443,463
New England	563,411	526,097	605,599	643,220	959,993	1,015,919	1,016,130	1,114,205
Connecticut	172,129	167,034	183,686	192,274	289,850	302,888	327,848	358,585
Maine	38,347	24,729	25,974	29,705	39,599	65,571	65,339	63,897
Massachusetts	292,511	264,260	304,173	330,944	485,577	520,110	490,664	557,237
New Hampshire	17,367	23,131	27,845	25,492	33,879	30,964	34,125	37,110
Rhode Island	20,741	29,868	45,983	46,379	90,192	77,721	81,573	75,814
Vermont	13,316	17,075	17,938	18,426	20,896	18,665	16,581	21,562
Metrop. N. Y. and No. N. J.	897,443	968,350	1,111,608	1,440,153	1,867,383	1,665,377	1,919,037	2,122,018
Northern New Jersey	307,756	299,750	346,460	332,476	607,893	533,746	536,820	605,075
Metropolitan New York [1]	589,687	668,600	765,148	1,107,677	1,259,490	1,131,631	1,382,217	1,516,943
Upstate New York [2]	269,767	253,333	383,280	428,937	507,194	521,430	590,140	659,253
Middle Atlantic	958,407	963,233	1,227,366	1,358,431	1,852,488	1,887,144	1,903,376	2,045,305
Delaware	17,918	25,231	57,226	51,932	62,418	72,427	88,555	77,364
District of Columbia	61,633	78,948	71,980	128,777	96,514	66,861	73,087	93,241
Maryland	297,933	270,502	326,085	371,813	536,264	490,757	416,612	484,161
Southern New Jersey	71,995	54,809	65,213	75,531	139,878	142,712	153,960	188,814
Eastern Pennsylvania	316,033	342,441	507,304	472,122	624,747	645,342	735,883	759,352
Virginia	192,895	191,302	199,558	258,256	392,667	469,045	435,279	442,373
Southeast	1,025,337	939,611	1,115,920	1,232,589	1,769,169	2,433,056	2,539,321	1,918,609
Alabama	141,245	118,908	128,234	176,354	226,588	223,423	213,685	198,765
Florida	287,847	344,728	392,092	361,983	531,938	598,425	654,891	709,219
Georgia	195,737	149,219	181,531	215,067	296,170	318,082	391,103	341,787
North Carolina	180,286	161,038	188,367	193,873	287,320	304,000	325,567	253,963
South Carolina	119,020	76,051	88,531	101,267	134,229	762,486	169,639	169,276
Eastern Tennessee	101,202	89,067	137,115	184,045	292,424	226,640	784,436	245,599
Pittsburgh	245,649	278,969	358,806	391,058	608,846	489,269	451,729	565,604
Western Pennsylvania	161,577	209,821	256,578	319,132	512,988	386,421	340,760	403,649
West Virginia	84,072	69,148	102,228	71,926	95,858	102,848	110,979	161,955
Cleveland (North and East Ohio)	431,438	383,979	466,597	499,263	709,362	718,541	785,984	1,806,431
Cincinnati	235,520	243,670	255,387	310,462	460,006	957,554	1,051,341	680,147
Kentucky	100,582	115,807	119,747	156,016	191,187	595,185	761,750	285,762
Southwest Ohio	134,938	127,863	135,640	154,446	268,819	362,369	289,591	394,385
Southern Michigan	390,318	412,591	478,770	542,129	820,368	838,291	777,319	852,496
Chicago	963,007	889,136	1,194,665	1,139,760	1,556,813	1,692,811	1,675,130	1,845,131
Northern Illinois	426,158	408,970	557,828	504,151	755,538	749,282	767,536	896,914
Indiana	253,837	198,233	244,090	236,055	389,153	464,319	432,342	438,071
Iowa	118,846	95,186	156,793	150,225	193,960	168,045	152,371	141,701
Northern Michigan	12,254	9,228	19,545	17,779	17,267	14,851	13,125	18,725
Southeast Wisconsin	151,912	177,517	216,409	231,550	300,895	296,314	309,756	349,720
St. Louis	320,689	463,972	500,581	512,815	683,663	699,449	820,591	786,730
Arkansas	88,103	108,283	105,623	101,010	126,076	107,394	149,244	89,260
Southern Illinois	65,597	154,580	145,805	139,903	174,289	231,960	276,708	259,022
Eastern Missouri	105,385	131,466	167,734	191,626	279,144	256,113	262,171	314,868
Western Tennessee	61,604	69,643	81,419	80,276	104,154	103,982	132,468	123,580
New Orleans	119,327	231,356	271,939	315,887	414,673	395,388	598,151	594,304
Louisiana	74,638	151,823	199,217	227,495	311,198	281,231	477,640	402,487
Mississippi	44,689	79,533	72,722	88,392	103,475	114,157	120,511	131,817
Minneapolis	243,648	241,288	299,249	392,873	457,666	482,812	453,108	547,419
Minnesota	170,748	150,349	182,226	207,009	301,443	307,131	288,731	347,666
North Dakota	22,747	37,487	45,685	84,745	62,790	40,078	70,189	105,563
South Dakota	28,381	30,298	39,529	70,256	62,002	100,317	61,951	68,593
Northwest Wisconsin	21,772	23,154	31,809	30,863	31,431	35,286	32,237	25,597
Kansas City	292,252	340,128	443,687	475,273	661,929	722,275	857,450	725,047
Kansas	92,988	118,475	122,978	152,524	213,574	252,794	268,208	229,087
Western Missouri	59,315	53,017	81,051	86,656	89,321	115,204	178,935	143,330
Nebraska	50,025	64,368	90,679	73,507	106,071	111,990	136,769	121,970
Oklahoma	89,924	103,368	139,979	162,586	252,963	242,287	273,538	230,160
Texas	533,509	624,155	716,164	676,400	1,071,502	1,231,815	1,336,129	1,180,764
Totals for States in more than one district:								
Illinois	491,755	563,550	703,633	644,054	929,827	981,242	1,044,244	1,155,936
Michigan	402,572	421,819	498,315	559,908	837,635	853,142	799,444	871,221
Missouri	164,700	185,383	248,785	278,282	368,465	371,317	441,106	458,098
New Jersey	379,751	354,559	411,673	408,007	747,771	676,458	690,770	793,889
New York	859,454	921,933	1,148,428	1,536,614	1,766,684	1,653,061	1,972,357	2,176,196
Ohio	566,376	511,842	602,237	653,709	978,181	1,080,910	1,075,575	2,200,816
Pennsylvania	477,610	552,262	763,882	791,254	1,137,735	1,031,763	1,076,633	1,163,001
Tennessee	162,806	158,710	218,534	264,321	396,578	330,622	916,904	369,179
Wisconsin	173,684	200,671	248,218	262,413	332,326	331,600	341,993	375,317

[1] Includes 5 boroughs, Nassau, Orange, Putnam, Rockland, Suffolk, and Westchester Counties.
[2] All counties north of Orange, Putnam, and Rockland.

Source: The F. W. Dodge Corporation, New York, N. Y.; figures published currently in *Statistical Research Service.*

No. 944.—Construction Contracts Awarded—Indexes of Value: 1920 to 1953

[1947–49=100. Indexes are derived from monthly figures of construction contracts awarded reported by F. W. Dodge Corporation. Reports covered 37 States beginning with May 1924 and a varying number for earlier years. In order to obtain comparable figures from 1919 to date, total value of construction contracts awarded in 37 States was estimated for January 1919 through April 1924. Seasonal adjustments computed separately for "residential" and "all other" types of construction and the two series combined. Indexes based on a 3-month moving average, centered at middle month. More detailed description of indexes obtainable from the Division of Research and Statistics, Board of Governors of the Federal Reserve System]

YEAR	Total	Residential	All other	YEAR	Total	Residential	All other	YEAR AND MONTH	Total	Residential	All other
1920	34	18	45	1938	35	27	40	1953			
1923	45	49	42	1939	39	37	40				
1924	51	57	46	1940	44	43	44	January	190	173	201
1925	66	75	59	1941	66	54	74	February	173	182	167
1926	69	73	67	1942	89	49	116	March	177	176	178
1927	69	71	68	1943	37	24	45	April	179	179	179
1928	73	76	70	1944	22	10	30	May	161	164	159
1929	63	52	70	1945	36	16	50	June	169	174	166
1930	49	30	62	1946	82	87	79	July	172	175	170
1931	34	22	41	1947	84	86	83	August	205	184	220
1932	15	8	20	1948	102	98	105	September	218	180	243
1933	14	7	18	1949	113	116	111	October	230	183	262
1934	17	7	24	1950	159	185	142	November	224	176	255
1935	20	13	25	1951	171	170	172	December	208	177	229
1936	30	22	35	1952	183	183	183				
1937	32	25	36	1953	192	178	201				

Source: Board of Governors of the Federal Reserve System; published currently in *Federal Reserve Bulletin*.

No. 945.—Engineering Construction Contracts Awarded and Backlog of Proposed Construction—Volume, by Type: 1934 to 1953

[**In millions of dollars.** Covers continental U. S. construction projects of following minimum costs: For 1934–35, waterworks, excavation, drainage, and irrigation, $10,500; other public works, $17,500; industrial buildings, $28,000; other buildings, $105,000. For 1936–45, minimums used were $15,000, $25,000, $40,000, and $150,000. For 1946–47, these minimums were raised to $22,500, $40,000, $55,000, and $205,000, respectively, to account for rise in construction costs. For 1948–50, minimums used were: $28,000, $50,000, $68,000, and $250,000. For 1951–53, minimums used were: $34,000, $60,000, $82,000, and $300,000]

YEAR	Total	PUBLIC WORKS						PRIVATE BUILDINGS		Unclassified
		Waterworks	Sewerage	Bridges[1]	Earthwork, irr., drain.	Streets, roads	Buildings	Industrial	Commercial	
CONTRACTS AWARDED										
1934	1,361	92	61	99	266	345	204	105	81	106
1935	1,590	81	100	98	259	325	298	172	109	148
1936	2,387	92	121	188	182	483	436	309	275	300
1937	2,437	104	95	133	110	415	333	477	460	309
1938	2,792	131	136	135	268	638	503	152	550	279
1939	3,003	163	160	151	233	644	593	283	388	390
1940	3,987	70	91	120	234	678	1,196	594	400	603
1941	5,869	77	89	112	245	583	2,786	496	486	996
1942	[2] 9,306	151	118	50	251	531	5,078	200	292	2,034
1943	[3] 3,062	46	41	26	47	227	1,419	167	231	858
1944	1,730	33	32	17	64	196	658	174	140	416
1945	2,289	61	35	53	57	227	463	635	387	371
1946	5,176	109	114	129	328	769	414	1,113	1,846	354
1947	5,659	139	175	196	327	794	615	862	1,898	652
1948	7,219	209	228	303	519	996	1,161	1,096	1,888	820
1949	8,157	207	277	357	524	897	[4] 1,736	950	2,406	803
1950	13,342	215	287	369	417	1,268	[4] 3,754	1,083	4,092	1,256
1951	13,605	209	335	316	505	1,167	[4] 2,701	4,124	2,032	1,617
1952	15,089	231	304	413	496	1,397	[4] 4,899	2,722	3,845	1,382
1953	15,171	247	431	752	374	1,793	[4] 2,112	3,178	4,021	1,663
BACKLOG OF PROPOSED PROJECTS (DEC. 31)										
1950	52,113	1,387	2,182	1,692	7,282	4,598	12,050	5,753	6,963	10,206
1951	62,147	1,432	2,372	2,030	7,444	5,129	13,569	9,400	7,993	12,777
1952	68,728	1,533	2,762	2,266	7,983	5,614	14,737	10,593	9,439	13,801
1953	74,056	1,582	2,902	2,366	8,601	7,315	14,994	10,716	11,306	14,274

[1] Includes private; amount of contracts awarded in 1953, $8,925,000. [2] $1,300 million canceled by W. P. B.
[3] Add $1,357 million for atomic bomb plants. [4] Includes contracts awarded for atomic energy plants as follows (in millions): 1949, $247; 1950, $2,020; 1951, $123; 1952, $2,329; 1953, $72.

Source: Engineering News-Record, New York, N. Y.

No. 946.—Engineering Construction Contracts Awarded—Volume, by Type, by States: 1953

[**In thousands of dollars.** Covers continental U. S. construction projects of following minimum costs: Waterworks, excavation, and irrigation, $34,000; other public works, $60,000; industrial buildings, $82,000; other buildings, $300,000]

STATE	Total	PUBLIC WORKS CONTRACTS						PRIVATE CONTRACT BUILDINGS		Unclassified
		Waterworks	Sewerage	Bridges[1]	Earthwork, irr., drain.	Streets, roads	Buildings	Industrial	Commercial	
United States	15,170,893	247,011	431,200	752,275	374,251	1,792,452	2,111,988	3,178,129	4,621,093	1,662,494
Alabama	186,392	5,303	6,240	6,710	1,034	26,961	52,544	25,678	25,251	36,671
Arizona	73,688	1,512	251	1,463	5,048	12,596	23,412	750	800	27,856
Arkansas	73,044	3,250	947	1,390	6,267	10,360	5,409	8,074	20,317	17,930
California	1,004,759	24,633	37,923	64,221	49,201	91,154	173,664	237,001	215,682	*111,280*
Colorado	95,124	3,200	1,564	2,109	2,443	18,250	16,629	29,307	13,952	7,670
Connecticut	139,430	793	7,644	1,826	621	9,494	59,833	13,048	44,066	2,105
Delaware	87,328	422	2,854	701	164	2,395	7,648	18,748	47,413	6,983
Dist. of Columbia	67,887	504	4,087	7,879	-------	4,607	19,037	874	30,572	267
Florida	411,494	7,002	29,279	9,065	7,462	22,852	36,400	38,072	216,748	44,014
Georgia	301,926	6,769	5,061	6,975	3,143	19,745	85,381	55,441	90,015	29,396
Idaho	62,863	-------	625	985	8,642	13,838	11,260	185	1,500	25,828
Illinois	802,128	3,760	25,847	33,085	4,325	65,457	75,932	175,032	381,991	36,699
Indiana	538,055	9,039	11,935	11,441	495	10,939	23,494	336,157	103,753	30,802
Iowa	97,074	1,708	4,391	7,897	1,593	29,965	13,191	24,783	6,745	6,801
Kansas	164,316	2,633	4,143	8,155	20,850	27,732	13,654	20,912	36,509	29,728
Kentucky	176,977	2,033	3,395	4,315	4,584	29,559	28,614	34,119	35,658	34,700
Louisiana	272,649	8,387	3,857	6,972	8,741	26,803	57,221	31,743	53,198	75,727
Maine	74,889	149	360	3,693	81	12,628	2,982	27,557	9,960	17,509
Maryland	333,429	16,566	9,613	9,962	1,170	27,906	77,083	16,816	165,468	8,845
Massachusetts	288,745	18,671	6,817	10,576	3,271	34,837	85,453	19,889	68,120	41,111
Michigan	672,626	8,088	18,507	87,689	97	44,373	115,105	184,796	191,280	22,691
Minnesota	503,542	1,136	6,542	2,930	1,639	36,834	37,304	378,549	33,857	4,751
Mississippi	97,661	1,904	1,615	8,086	2,417	18,073	13,764	5,028	10,577	36,137
Missouri	356,639	6,359	6,120	31,069	4,731	30,053	68,659	60,328	126,145	23,175
Montana	58,622	58	107	1,834	3,222	16,803	3,713	19,425	1,353	12,107
Nebraska	118,729	4,936	1,452	1,351	6,819	12,111	17,826	5,825	41,980	26,429
Nevada	29,983	-------	820	-------	499	5,557	3,638	2,250	1,557	15,662
New Hampshire	74,362	184	352	1,420	131	7,103	2,097	9,718	6,745	46,612
New Jersey	573,716	1,413	39,985	45,905	1,798	95,358	46,784	77,616	212,779	52,078
New Mexico	94,021	1,891	2,246	1,626	3,447	12,275	19,664	5,219	3,445	44,208
New York	1,451,152	5,002	27,904	75,809	4,658	352,263	189,533	31,830	707,763	56,390
North Carolina	186,903	6,287	6,160	7,613	710	25,194	39,180	23,225	47,925	29,609
North Dakota	102,394	720	1,559	1,921	25,734	12,967	5,149	40,219	3,398	10,727
Ohio	1,217,101	12,980	17,808	138,323	850	118,765	70,558	313,553	465,259	79,005
Oklahoma	167,674	5,062	6,772	8,968	3,559	18,306	15,052	29,029	53,510	27,416
Oregon	169,560	1,209	3,541	8,681	70,476	35,806	10,410	23,762	4,415	11,260
Pennsylvania	886,681	6,279	31,058	35,006	14,797	103,225	137,858	132,094	401,749	19,615
Rhode Island	48,079	419	3,020	1,699	604	3,814	10,045	1,485	25,033	1,960
South Carolina	129,056	5,994	4,389	5,274	1,506	14,761	35,625	20,967	15,802	24,738
South Dakota	72,040	1,020	646	1,057	40,524	13,667	2,224	100	7,926	4,876
Tennessee	304,036	3,701	13,835	3,095	4,202	15,799	73,894	63,959	72,798	52,663
Texas	1,504,309	40,673	48,651	23,764	13,903	104,213	113,357	389,324	436,428	334,086
Utah	68,477	1,183	1,280	549	63	9,794	9,667	37,823	1,234	6,884
Vermont	9,456	339	125	1,471	43	3,687	1,505	742	1,115	429
Virginia	313,380	4,909	3,248	6,863	1,355	26,974	70,743	44,796	117,445	37,047
Washington	371,955	4,712	3,541	19,966	35,758	33,037	83,026	114,069	22,128	55,718
West Virginia	142,815	406	1,667	22,678	529	69,659	9,460	19,876	9,535	9,005
Wisconsin	162,472	3,311	10,910	5,782	378	38,377	35,037	26,832	28,963	12,882
Wyoming	30,665	292	507	1,226	667	10,526	2,300	1,504	1,231	12,412

[1] Includes bridges under private contracts amounting to $8,925,000.

Source: Engineering News-Record, New York, N. Y.

No. 947.—Building Construction in Cities of 50,000 or More Inhabitants—Value of All Construction and Number of New Dwelling Units: 1949 to 1953

[Valuation figures are derived from estimates of construction costs made by prospective builders when applying for permits to build and value of contracts awarded by Federal Government. No land costs are included. For type of building covered see table 936. Cities shown had a population of 50,000 and over in 1950]

City	Value of all construction ($1,000)					Number of new dwelling units				
	1949	1950	1951	1952	1953[1]	1949	1950	1951	1952	1953[1]
Akron, Ohio	19,110	33,343	28,382	40,634	36,384	1,111	2,041	1,377	1,468	1,203
Alameda, Calif	2,038	2,458	7,092	6,829	3,218	103	103	143	91	117
Albany, N. Y	9,148	11,063	7,547	9,896	5,799	187	949	347	608	184
Albuquerque, N. Mex	23,881	30,703	[2] 19,427	27,850	[3] 35,588	3,137	4,092	[2] 1,721	3,207	[3] 2,736
Alexandria, Va	13,526	6,516	7,545	10,165	21,469	1,413	595	536	712	1,060
Alhambra, Calif	8,008	7,772	5,783	5,787	4,647	637	671	515	322	438
Allentown, Pa	6,102	11,267	8,858	9,282	11,092	226	486	468	629	701
Altoona, Pa	1,442	3,044	3,386	3,347	1,841	75	117	212	99	107
Amarillo, Tex	16,939	20,082	21,252	24,248	18,884	1,986	2,350	2,477	2,893	1,411
Asheville, N. C	4,352	4,602	7,699	3,554	3,473	664	447	430	190	182
Atlanta, Ga	30,415	48,569	35,678	41,188	79,500	2,144	3,773	2,352	2,851	3,785
Atlantic City, N. J	1,777	8,015	3,538	[4]	[4]	38	981	146	[4]	[4]
Augusta, Ga	3,304	4,658	5,773	6,270	17,193	233	243	559	278	117
Aurora, Ill	3,098	5,957	5,636	4,740	3,006	294	406	246	191	190
Austin, Tex	31,090	39,622	28,913	27,898	33,445	1,840	2,837	1,808	1,643	1,316
Baltimore, Md	55,921	91,430	83,241	58,710	82,443	6,039	7,918	5,789	3,917	4,706
Baton Rouge, La	[4]	18,695	10,960	10,584	16,048	[4]	1,807	897	707	1,179
Bay City, Mich	4,171	3,999	3,583	2,958	3,890	196	289	226	173	235
Bayonne, N. J	1,908	2,770	4,018	4,009	3,806	115	278	357	343	71
Beaumont, Tex	9,336	[5] 9,279	7,033	7,445	9,080	1,116	[6] 823	810	854	799
Berkeley, Calif	8,499	14,888	9,022	5,176	6,034	385	433	298	306	260
Berwyn, Ill	2,808	4,480	[6] 3,122	4,004	3,041	103	233	[6] 168	221	225
Bethlehem, Pa	3,369	13,594	7,800	7,276	10,060	240	1,066	463	767	794
Binghamton, N. Y	4,839	3,767	2,795	6,446	4,498	325	246	133	253	141
Birmingham, Ala	37,865	38,236	24,719	21,603	24,479	4,193	4,019	2,010	1,669	1,421
Boston, Mass.[7]	43,175	68,078	63,303	46,681	39,728	1,598	2,353	3,086	1,390	1,273
Bridgeport, Conn	4,014	16,710	5,483	16,584	14,275	222	1,301	303	1,587	1,227
Brockton, Mass	3,664	3,933	21,467	3,993	4,374	304	170	247	244	367
Buffalo, N. Y	15,934	20,810	22,091	21,749	23,345	873	1,355	872	1,087	919
Burbank, Calif	10,376	12,953	25,978	16,115	15,436	1,035	1,152	1,807	1,131	1,076
Cambridge, Mass	14,580	6,424	9,829	5,353	8,757	810	55	221	186	144
Camden, N. J	5,901	8,527	4,876	8,936	8,146	470	805	118	551	503
Canton, Ohio	5,861	7,886	6,623	8,775	10,260	351	517	499	332	292
Cedar Rapids, Iowa	7,019	12,062	8,313	6,610	9,345	353	859	604	555	589
Charleston, S. C	3,637	3,736	5,342	9,123	5,237	402	135	306	125	134
Charleston, W. Va	9,683	13,242	[8] 4,672	13,532	12,381	347	702	[8] 387	780	312
Charlotte, N. C	23,351	32,049	20,586	20,578	30,920	3,338	3,136	1,276	1,489	1,199
Chattanooga, Tenn	9,027	12,336	10,148	10,403	9,353	442	982	782	314	323
Chester, Pa	1,234	5,545	5,444	1,045	3,084	9	418	481	22	126
Chicago, Ill	163,177	270,079	218,773	192,791	222,888	8,091	16,196	9,535	10,734	10,390
Cicero, Ill	3,610	[9] 5,894	5,261	[4]	[4]	54	[9] 139	173	[4]	[4]
Cincinnati, Ohio	37,004	61,471	68,236	47,223	58,605	1,090	2,349	3,793	1,331	1,613
Cleveland, Ohio	40,753	66,492	65,977	57,256	87,136	2,195	2,913	1,683	2,567	2,219
Cleveland Heights, Ohio	5,202	6,565	6,704	5,902	4,029	220	352	330	258	136
Clifton, N. J	8,455	10,958	8,897	10,277	10,629	1,427	1,802	468	716	509
Columbia, S. C	8,571	9,163	11,834	10,404	9,287	561	664	915	896	497
Columbus, Ga	5,538	11,207	8,830	6,567	6,362	493	1,040	639	267	247
Columbus, Ohio	34,074	48,733	32,486	38,261	43,938	2,619	4,549	1,811	1,712	2,113
Corpus Christi, Tex	16,113	29,919	17,352	21,691	30,999	1,855	2,661	1,270	1,783	2,385
Covington, Ky	2,090	634	748	[4]	2,768	17	22	36	[4]	30
Cranston, R. I	4,401	6,071	6,830	5,584	5,253	476	645	531	501	472
Dallas, Tex	69,079	132,949	96,978	102,408	107,281	6,309	12,197	7,315	6,972	6,397
Davenport, Iowa	5,540	10,542	9,739	10,644	7,312	251	547	436	472	328
Dayton, Ohio	13,918	21,825	24,843	19,872	20,100	1,099	1,743	1,141	730	1,008
Dearborn, Mich	30,582	44,098	36,067	27,707	30,605	1,873	2,486	1,292	898	1,047
Decatur, Ill	3,750	6,535	[10] 5,796	3,122	6,791	320	389	[10] 236	189	303
Denver, Colo	43,713	66,275	68,177	66,884	69,755	3,947	6,911	4,861	5,990	3,726
Des Moines, Iowa	26,582	24,877	15,973	19,432	23,418	1,468	1,842	921	753	872
Detroit, Mich	188,382	209,274	163,900	136,789	166,461	13,336	13,565	7,029	5,443	5,531
Duluth, Minn	6,649	7,562	6,414	6,166	6,048	325	651	530	298	348
Durham, N. C	8,694	17,690	9,137	9,291	7,104	493	617	267	812	266
East Chicago, Ind	1,728	2,966	5,797	3,413	16,211	34	132	47	203	102
East Orange, N. J	10,806	[6] 3,724	[11] 2,104	2,258	2,173	1,644	[6] 545	[11] 95	36	32
East St. Louis, Ill	4,080	3,437	[12] 5,179	7,322	3,244	212	264	[12] 438	576	188

For footnotes, see p. 787.

No. 947.—BUILDING CONSTRUCTION IN CITIES OF 50,000 OR MORE INHABITANTS—VALUE OF ALL CONSTRUCTION AND NUMBER OF NEW DWELLING UNITS: 1949 TO 1953—Continued

CITY	VALUE OF ALL CONSTRUCTION ($1,000)					NUMBER OF NEW DWELLING UNITS				
	1949	1950	1951	1952	1953 [1]	1949	1950	1951	1952	1953 [1]
Elizabeth, N. J	4,101	6,897	4,634	3,509	4,089	544	768	212	136	242
El Paso, Tex	16,204	24,897	14,590	15,417	19,199	1,364	2,379	1,394	1,518	1,328
Erie, Pa	7,557	15,306	16,812	11,312	11,516	534	1,325	1,629	699	628
Evanston, Ill	11,087	14,150	8,946	7,627	14,917	285	580	339	208	486
Evansville, Ind	5,168	5,638	3,834	5,954	10,883	419	717	476	527	640
Fall River, Mass	4,198	3,861	5,908	1,776	2,749	430	289	447	99	104
Flint, Mich	14,924	26,367	21,672	24,580	28,794	978	2,015	1,035	1,356	1,532
Fort Wayne, Ind	10,662	13,726	17,357	11,027	12,214	779	1,231	782	580	606
Fort Worth, Tex	29,862	49,161	42,690	45,704	41,941	4,131	7,131	4,496	6,186	3,453
Fresno, Calif	12,993	15,688	17,362	13,304	17,576	1,231	1,757	1,313	856	1,230
Gadsden, Ala	3,524	7,492	4,875	5,185	4,461	373	977	622	283	404
Galveston, Tex	7,960	7,373	10,606	3,621	4,772	300	322	638	228	209
Gary, Ind	13,941	17,131	12,884	19,454	24,415	1,826	1,503	983	1,443	1,873
Glendale, Calif	8,560	13,200	10,022	11,353	14,595	888	1,170	700	1,236	1,458
Grand Rapids, Mich	12,879	18,308	12,288	8,917	10,172	688	1,510	723	370	455
Green Bay, Wis	5,446	18,000	6,659	6,014	8,281	306	525	420	355	388
Greensboro, N. C	10,958	21,150	13,923	8,940	9,874	1,116	1,039	1,682	845	941
Greenville, S. C	10,635	12,077	9,829	9,515	5,663	1,429	846	1,030	924	470
Hamilton, Ohio	3,506	5,114	5,399	4,846	8,032	356	475	411	314	299
Hammond, Ind	7,555	12,664	18,809	11,101	14,816	713	1,129	916	836	955
Harrisburg, Pa	7,791	8,423	9,584	5,678	3,916	478	392	742	165	128
Hartford, Conn	12,250	20,159	14,382	8,822	20,350	547	882	842	484	365
Hoboken, N. J	1,060	[5] 6,269	[13] 669	[14] 597	[15] 442	2	[5] 696	([13])	([14])	([15])
Holyoke, Mass	1,492	5,356	3,845	2,696	3,109	74	321	115	130	108
Houston, Tex	82,613	185,979	137,225	114,652	130,216	5,822	11,909	7,997	7,540	7,377
Huntington, W. Va	5,378	7,778	9,980	7,220	9,025	406	625	490	314	250
Indianapolis, Ind	40,654	36,403	43,677	36,049	44,005	3,033	3,556	1,350	1,938	1,764
Irvington, N. J	11,023	2,614	1,227	3,180	1,376	1,994	174	95	178	45
Jackson, Mich	1,339	4,164	1,798	2,888	2,045	64	152	113	75	65
Jackson, Miss	16,558	14,939	12,341	13,779	13,737	1,993	1,557	691	563	741
Jacksonville, Fla	22,480	21,701	17,390	16,373	24,695	1,987	2,033	1,254	929	1,116
Jersey City, N. J	7,150	9,633	5,252	12,312	8,155	459	628	209	727	85
Johnstown, Pa	2,441	6,158	4,751	1,883	1,447	66	282	361	55	30
Joliet, Ill	4,074	4,607	4,582	7,412	5,375	180	278	244	404	335
Kalamazoo, Mich	4,934	3,962	2,533	2,215	2,944	168	139	66	48	43
Kansas City, Kans	6,846	7,046	6,612	10,871	7,490	358	554	481	379	289
Kansas City, Mo	36,864	44,098	33,596	42,528	45,971	2,363	2,957	1,881	2,606	1,905
Kenosha, Wis	4,532	8,270	8,325	8,611	5,367	317	566	473	473	275
Knoxville, Tenn	7,347	19,954	7,982	11,238	6,600	433	1,790	440	370	384
Lakewood, Ohio	3,022	7,527	3,272	4,302	2,930	53	383	46	293	46
Lancaster, Pa	6,075	3,353	2,692	6,294	3,194	104	192	100	79	142
Lansing, Mich	7,125	13,314	14,680	12,523	16,523	406	757	486	477	513
Laredo, Tex	730	1,108	794	2,127	1,115	250	287	195	378	278
Lawrence, Mass	3,118	2,723	5,458	2,325	2,020	305	88	465	37	43
Lexington, Ky	3,247	9,433	8,580	5,089	7,687	62	69	508	103	238
Lima, Ohio	3,249	3,289	2,648	2,529	5,588	88	208	164	125	158
Lincoln, Nebr	7,044	13,010	13,081	12,350	9,375	622	1,233	1,302	1,415	1,006
Little Rock, Ark	9,244	21,090	21,930	8,868	10,582	633	1,529	832	482	419
Long Beach, Calif	38,762	38,579	37,737	42,907	48,872	2,542	1,810	1,433	2,641	3,061
Lorain, Ohio	3,406	5,408	4,866	4,554	7,099	226	585	366	363	710
Los Angeles, Calif	282,301	407,293	274,724	371,272	423,617	26,101	30,798	18,627	28,070	29,439
Louisville, Ky	22,349	23,179	32,539	16,541	18,490	1,373	2,310	2,174	1,229	994
Lowell, Mass	5,306	2,008	5,617	1,401	1,602	391	136	387	99	116
Lubbock, Tex	16,758	25,839	19,335	20,300	16,710	1,810	2,135	1,142	1,280	943
Lynn, Mass	4,943	7,564	9,042	4,792	3,482	344	584	459	278	218
Macon, Ga	2,899	4,174	2,530	2,720	8,494	190	341	256	281	261
Madison, Wis	16,772	15,252	8,796	9,996	9,702	696	1,168	541	650	632
Malden, Mass	2,280	2,236	1,060	4,799	2,653	186	165	80	328	64
Manchester, N. H	5,186	8,341	6,557	5,542	7,772	496	449	555	414	401
McKeesport, Pa	2,191	3,645	3,803	3,201	1,616	93	155	316	218	65
Medford, Mass	2,726	2,986	3,701	1,649	2,486	252	157	270	143	93
Memphis, Tenn	34,926	55,269	37,158	49,520	46,004	4,218	6,682	4,097	5,151	3,828
Miami, Fla	43,627	47,037	36,946	37,425	42,547	4,900	4,664	2,911	3,025	3,855
Milwaukee, Wis	58,154	87,360	79,091	68,740	80,543	3,437	6,322	3,887	3,675	4,368
Minneapolis, Minn	39,920	45,868	45,642	32,728	36,821	2,477	2,900	1,679	1,246	1,229
Mobile, Ala	12,606	12,932	7,296	11,001	6,528	852	1,743	639	1,112	544
Montgomery, Ala	9,614	13,200	9,748	11,492	10,343	2,190	2,293	1,061	1,340	930
Mount Vernon, N. Y	11,427	8,081	3,308	5,323	6,471	1,104	999	167	480	499
Muncie, Ind	2,457	3,829	4,033	3,189	3,221	278	307	277	240	251

For footnotes, see p. 787.

No. 947.—Building Construction in Cities of 50,000 or More Inhabitants—Value of all Construction and Number of New Dwelling Units: 1949 to 1953—Continued

City	Value of all construction ($1,000)					Number of new dwelling units				
	1949	1950	1951	1952	1953 [1]	1949	1950	1951	1952	1953 [1]
Nashville, Tenn	18,774	16,391	42,793	18,267	12,488	688	1,024	2,017	1,514	408
Newark, N. J	9,641	23,499	34,783	40,055	16,039	849	293	2,700	2,809	77
New Bedford, Mass	3,948	4,217	6,948	2,002	4,119	336	387	534	168	389
New Britain, Conn	3,406	4,658	9,788	10,373	4,146	277	645	518	836	411
New Haven, Conn	7,559	14,051	13,821	8,691	14,097	247	1,093	469	164	528
New Orleans, La	56,036	77,547	77,677	82,734	92,883	4,248	5,091	4,793	3,510	4,916
New Rochelle, N. Y	3,312	8,534	6,247	9,773	17,122	195	879	444	595	1,315
Newton, Mass	8,040	12,436	14,121	8,560	8,749	356	735	482	465	512
New York, N. Y.: [16]										
Bronx	92,147	45,730	71,175	84,243	62,021	9,513	3,689	6,599	5,237	4,227
Brooklyn	117,080	71,811	45,776	78,359	90,609	11,835	6,566	2,507	5,433	6,436
Manhattan	177,374	117,080	120,034	63,135	103,320	6,619	4,389	2,818	1,934	2,488
Queens	133,353	104,562	120,417	118,664	102,687	15,104	24,336	12,680	8,961	8,266
Richmond	11,388	4,574	2,632	11,477	6,388	1,097	428	183	971	607
Niagara Falls, N. Y	8,320	10,255	8,602	10,292	8,398	492	913	627	583	492
Norfolk, Va	12,234	20,012	20,640	31,807	24,011	1,509	2,132	2,153	2,920	1,356
Oakland, Calif	30,596	31,227	31,946	27,564	26,400	1,339	1,491	1,301	1,241	1,149
Oak Park, Ill	1,574	2,257	3,850	4,169	4,810	52	93	151	110	155
Ogden, Utah	4,145	8,842	7,568	4,952	7,384	385	802	445	409	293
Oklahoma City, Okla	16,688	50,646	25,310	23,647	41,123	1,025	4,120	2,401	2,131	2,141
Omaha, Nebr	13,971	28,014	15,298	21,111	16,047	1,307	2,533	1,068	1,467	915
Orlando, Fla	9,222	12,155	12,862	11,970	10,604	1,025	1,383	899	1,020	743
Pasadena, Calif	16,646	20,590	22,627	14,355	15,341	1,100	1,497	1,451	750	1,029
Passaic, N. J	3,607	5,659	3,361	[17] 5,564	2,549	490	103	173	[17] 436	172
Paterson, N. J	4,258	7,340	10,010	5,831	4,810	194	472	726	279	163
Pawtucket, R. I	4,126	5,566	7,275	3,358	2,603	456	547	687	296	211
Peoria, Ill	6,103	11,122	12,733	5,542	11,436	255	597	670	190	498
Philadelphia, Pa	88,126	157,332	111,725	119,057	130,750	6,555	12,484	7,362	7,094	6,922
Phoenix, Ariz	12,071	15,400	21,424	14,604	17,454	467	1,169	1,306	838	1,247
Pittsburgh, Pa	43,034	105,335	48,332	29,501	33,582	1,842	3,320	2,813	1,150	1,352
Pittsfield, Mass	4,018	5,332	6,893	7,826	5,175	195	299	333	266	210
Pontiac, Mich	8,336	9,387	18,123	4,838	8,393	592	584	712	187	237
Port Arthur, Tex	4,697	5,135	7,394	4,201	3,225	353	490	605	239	193
Portland, Maine	3,346	5,478	3,717	3,543	3,874	137	233	163	137	198
Portland, Oreg	47,656	63,325	37,787	49,643	51,880	2,976	3,824	1,721	1,880	2,180
Portsmouth, Va	2,013	4,124	13,222	4,392	12,805	188	419	734	312	333
Providence, R. I	10,222	17,778	19,071	8,225	10,901	267	775	1,275	322	230
Pueblo, Colo	4,171	7,008	8,230	13,109	8,475	504	919	723	1,208	605
Quincy, Mass	7,361	3,957	6,869	3,215	3,731	651	311	403	237	248
Racine, Wis	4,346	9,532	8,554	8,435	7,297	261	604	521	502	442
Raleigh, N. C	8,962	16,594	12,753	17,779	22,616	1,003	683	486	741	744
Reading, Pa	3,253	4,766	4,285	8,501	6,911	377	79	80	600	71
Richmond, Calif	8,848	[10] 5,759	8,744	7,136	9,591	492	[10] 555	483	441	701
Richmond, Va	18,074	32,949	31,333	21,488	20,191	890	1,336	1,723	677	650
Roanoke, Va	14,075	17,487	14,427	8,327	15,617	968	1,216	1,241	521	639
Rochester, N. Y	19,313	16,406	21,153	16,974	22,521	1,083	1,040	1,058	668	403
Rockford, Ill	4,909	11,686	9,621	11,161	11,080	370	891	843	804	657
Sacramento, Calif	18,814	30,524	14,177	12,908	33,472	1,267	3,048	1,151	954	1,050
Saginaw, Mich	4,240	6,108	5,549	7,167	6,106	352	575	433	375	304
St. Joseph, Mo	1,220	1,727	1,486	1,780	3,291	122	212	172	176	217
St. Louis, Mo	30,413	74,659	39,758	58,381	51,444	1,559	4,145	1,633	2,799	1,415
St. Paul, Minn	21,602	47,424	36,345	34,283	42,024	1,295	3,216	1,797	1,275	1,211
St. Petersburg, Fla	21,675	30,869	23,954	28,027	30,314	2,498	3,306	2,867	3,219	3,252
Salt Lake City, Utah	18,086	33,740	15,595	16,667	15,350	1,513	2,207	943	727	625
San Angelo, Tex	4,230	10,678	9,050	5,590	5,473	517	1,333	605	467	378
San Antonio, Tex	36,941	57,040	53,547	47,964	50,244	5,293	5,989	6,159	4,945	5,126
San Bernardino, Calif	[18]13,359	17,420	14,027	14,577	17,515	[18] 1,171	1,810	1,434	1,067	1,277
San Diego, Calif	37,052	60,770	74,419	97,197	84,513	3,224	5,951	6,072	9,730	8,034
San Francisco, Calif	68,281	85,104	56,417	51,005	59,802	3,664	3,785	1,692	1,708	1,666
San Jose, Calif	15,231	20,937	22,155	12,227	16,328	1,221	2,034	1,005	955	1,232
Santa Monica, Calif	10,664	10,276	11,481	9,448	10,201	930	869	718	902	1,052
Savannah, Ga	4,753	7,867	6,047	6,033	5,624	743	1,095	755	904	627
Schenectady, N. Y	8,637	4,149	5,822	4,699	5,482	912	229	223	203	166
Scranton, Pa	3,137	5,761	2,709	2,937	9,851	42	324	68	225	323
Seattle, Wash	53,673	57,742	54,136	61,181	55,258	3,115	3,415	2,249	2,548	2,136
Shreveport, La	27,487	28,851	15,186	20,381	23,830	1,775	3,281	1,439	983	1,582
Sioux City, Iowa	6,196	10,814	6,449	4,910	4,810	349	763	505	443	461

For footnotes, see p. 787.

No. 947.—Building Construction in Cities of 50,000 or More Inhabitants—Value of All Construction and Number of New Dwelling Units: 1949 to 1953—Continued

City	Value of all construction ($1,000)					Number of new dwelling units				
	1949	1950	1951	1952	1953 [1]	1949	1950	1951	1952	1953 [1]
Sioux Falls, S. Dak	5,909	9,511	5,226	6,641	6,332	421	858	257	283	348
Somerville, Mass	3,088	3,313	909	592	3,927	174	249	6	5	220
South Bend, Ind	12,143	21,247	17,985	16,715	17,625	1,078	2,012	1,087	1,024	1,117
South Gate, Calif	4,954	4,361	4,584	5,205	7,231	577	491	262	480	671
Spokane, Wash	18,254	33,473	21,903	21,773	28,763	1,742	2,435	1,429	1,351	1,603
Springfield, Ill	3,876	6,754	4,859	4,644	5,976	247	369	317	280	176
Springfield, Mass	9,294	13,346	21,587	10,251	11,072	665	1,192	887	864	1,229
Springfield, Mo	4,684	20,358	6,781	7,551	6,890	446	763	531	560	384
Springfield, Ohio	4,651	6,252	3,954	7,954	6,903	292	540	248	478	366
Stamford, Conn	5,211	18,265	15,139	11,113	17,047	508	1,409	970	384	800
Stockton, Calif	6,627	9,297	11,843	7,704	7,775	486	952	689	440	229
Syracuse, N. Y	26,027	16,940	18,166	10,259	20,844	881	1,416	680	492	898
Tacoma, Wash	13,371	23,331	18,159	13,132	13,841	1,105	1,750	1,103	582	508
Tampa, Fla	9,361	15,658	12,973	13,987	25,137	827	1,548	1,102	1,189	1,929
Terre Haute, Ind	1,332	2,293	3,968	3,011	2,201	111	147	177	130	84
Toledo, Ohio	18,283	22,645	19,494	17,783	18,436	804	1,660	1,145	1,012	805
Topeka, Kans	5,068	9,940	8,622	6,980	8,990	514	523	461	405	548
Trenton, N. J	3,386	4,050	11,580	4,696	6,195	140	67	595	143	355
Troy, N. Y	5,217	2,619	4,802	9,283	1,739	399	218	217	447	57
Tulsa, Okla	15,490	18,173	12,742	12,758	20,638	1,371	1,430	748	761	769
Union City, N. J	1,267	414	1,200	1,772	1,602	27	0	96	147	115
Utica, N. Y	6,927	2,322	5,574	2,448	2,789	286	213	345	255	128
Waco, Tex	12,244	19,310	14,898	13,241	11,253	1,070	1,577	1,261	1,120	584
Washington, D. C	114,734	59,194	69,345	54,297	72,128	8,254	4,857	4,494	4,761	5,384
Waterbury, Conn	3,757	9,529	7,436	12,065	6,663	336	743	549	830	431
Waterloo, Iowa	6,746	9,186	7,882	6,372	8,331	350	636	415	315	292
Wheeling, W. Va	3,204	4,432	3,029	3,383	3,633	68	130	88	83	114
Wichita, Kans	22,540	28,204	30,436	31,911	39,364	3,533	3,853	2,984	3,633	2,355
Wichita Falls, Tex	5,416	8,024	7,285	16,510	7,339	829	888	830	1,629	280
Wilkes-Barre, Pa	2,157	3,715	1,779	2,632	2,391	13	47	19	22	21
Wilmington, Del	10,619	8,620	8,968	12,816	11,578	109	276	260	581	151
Winston-Salem, N. C	8,050	14,037	14,075	11,341	8,967	890	1,169	1,067	898	583
Woonsocket, R. I	1,406	2,357	5,292	1,199	1,088	102	122	434	73	74
Worcester, Mass	6,978	16,314	25,763	12,145	14,157	493	1,383	1,081	467	421
Yonkers, N. Y	[7] 19,195	15,847	8,433	17,803	28,396	[7] 2,568	1,450	634	1,389	2,847
York, Pa	3,608	2,728	3,311	4,471	3,927	22	77	59	283	157
Youngstown, Ohio	6,676	11,372	11,135	15,158	20,418	514	1,068	570	658	700

[1] Preliminary.
[2] November data not available.
[3] December data not available.
[4] Data not available.
[5] September data not available.
[6] June data not available.
[7] Represents applications filed.
[8] September and October data not available.
[9] October data not available.
[10] February data not available.
[11] May data not available.
[12] July and October data not available.
[13] April, May, and October data not available; no new dwelling units.
[14] June and November data not available; no new dwelling units.
[15] February, April and July data not available; no new dwelling units.
[16] Represents construction actually started, based on inspection records.
[17] July and November data not available.
[18] July data not available.

Source: Department of Labor, Bureau of Labor Statistics.

No. 948.—Number of Public Housing Units Completed for Occupancy: 1935 to 1953

[Covers programs administered by Housing and Home Finance Agency or Public Housing Administration]

Year	All public housing	Low-rent			War and defense housing	Veterans' reuse housing
		Total	U. S. Housing Act	All other [1]		
Total	[2] 1,330,227	[2] 328,421	[3] 298,058	[2] 30,363	[4] 736,154	265,652
1935	3,932	3,932		3,932		
1936	1,213	1,213		1,213		
1937	7,849	7,849		7,849		
1938	17,319	17,319		17,319		
1939	3,858	3,858	3,858			
1940	31,940	31,940	31,940			
1941	119,634	59,848	59,848		59,786	
1942	158,266	37,537	37,537		120,729	
1943	374,729	27,325	27,325		347,404	
1944	153,158	2,831	2,831		150,327	
1945	45,026	2,949	2,949		40,171	1,906
1946	134,726	1,804	1,804		4,051	128,871
1947	107,097	466	466			106,631
1948	30,054	1,336	1,336		[5] 1,550	27,168
1949	1,242	547	547			695
1950	1,582	1,201	1,201			381
1951	10,246	10,246	10,246			
1952	63,533	57,956	57,956		[6] 5,577	
1953	64,773	58,214	58,214		[6] 6,559	

[1] Includes PWA, subsistence homestead and Greenbelt town projects.
[2] Includes 50 PWA units completed in 1934.
[3] Includes 60,489 units completed as war housing of which all but 2,698 units have been returned to low-rent use.
[4] 16,761 permanent family war housing dwelling units have since been conveyed to local authorities for low-rent use under Public Law 475.
[5] Units completed for emergency flood projects in Portland-Vancouver area.
[6] Defense housing.

Source: Housing and Home Finance Agency, Public Housing Administration.

No. 949.—Number of Dwelling Units Owned or Supervised by the Public Housing Administration, by Program, as of Dec. 31, 1953

[Excludes units which have been sold to mutual housing associations, limited dividend corporations (PWA) and homesteads associations on which PHA holds mortgages for collection]

Program	Total		Federally owned	Locally owned
	Number	Net change since Dec. 31, 1952		
Total	683,355	−47,744	258,559	424,796
Active	658,475	−60,072	233,679	424,796
Veterans' reuse housing	14,118	−10,691	1,673	[1] 12,445
Defense housing	13,156	+2,700	13,156	
Public war housing (Lanham constructed)	175,915	−70,201	175,915	
Low-rent housing	455,237	+18,444	42,886	412,351
Under management	343,758	+72,477	42,886	300,872
Under construction	61,461	−26,127		61,461
Not under construction	[2] 50,018	−27,906		50,018
Public Law 171	240,687	+4,481		240,687
Public Law 412	117,344	−95	10,840	106,504
Public Law 671	49,516	−179	6,014	43,502
PWA	21,571	−54	16,672	4,899
Farm labor camps	9,360	+1	9,360	
Public Law 475	16,759	+14,290		16,759
Subsistence homesteads and Greenbelt towns	49	−324	49	
Inactive	24,880	+12,328	24,880	
Public war housing (Lanham constructed)	24,310	+11,758	24,310	
Defense housing	570	+570	570	

[1] This veterans' housing is so classified even though title or income rights may not be formally transferred.
[2] Excludes 1,423 rural farm units not yet built but which are part of active rural projects.

Source: Housing and Home Finance Agency, Public Housing Administration; *Annual Report.*

No. 950.—Number of Active Projects and Dwelling Units, Owned or Supervised by the Public Housing Administration, by State or Other Area, as of Dec. 31, 1953

[See headnote, table 949]

State or other area	Total program [1]		Low-rent housing [2]		War housing		Defense housing		Veterans' reuse housing	
	Projects	Units	Projects	Units	Projects	Units	Projects	Units	Projects	Units
Total	**2,925**	**658,475**	**2,188**	**455,237**	**576**	**175,915**	**74**	**13,156**	**82**	**14,118**
Alabama	146	19,271	134	15,891	10	3,054	2	326		
Arizona	34	4,163	18	2,752	12	1,111	4	300		
Arkansas	26	2,753	26	2,753						
California	323	93,316	163	31,660	131	55,990	13	2,129	16	3,537
Colorado	17	4,114	16	3,784					1	330
Connecticut	84	20,965	33	9,990	46	10,177	2	500	3	298
Delaware	8	2,151	4	760	4	1,391				
Dist. of Columbia	33	8,460	19	6,055	13	1,509			1	896
Florida	101	17,689	83	15,004	14	2,402	2	160	2	123
Georgia	290	25,285	277	22,637	12	2,390	1	258		
Idaho	7	923	4	420			2	475	1	28
Illinois	127	30,824	115	28,788	11	1,685			1	351
Indiana	44	8,242	27	5,164	12	2,357	1	190	4	531
Iowa	6	969			4	871			2	98
Kansas	11	5,928			7	5,343	4	585		
Kentucky	54	9,732	49	9,262	2	249	2	189	1	32
Louisiana	67	14,188	61	13,185	2	255	4	748		
Maine	16	2,568	3	286	11	1,957	2	325		
Maryland	54	17,810	30	10,441	21	7,258	2	110		
Massachusetts	65	19,761	50	16,957	11	2,535			4	269
Michigan	56	23,388	29	14,011	26	9,287	1	90		
Minnesota	11	2,542	10	2,514					1	28
Mississippi	58	5,097	50	3,249	7	1,847				
Missouri	14	9,914	10	8,889	1	60	2	809	1	156
Montana	8	697	8	697						
Nebraska	8	2,618	6	1,778	2	840				
Nevada	5	471	1	100	3	271	1	100		
New Hampshire	6	1,511	4	626	2	885				
New Jersey	108	24,469	98	22,553	6	1,539			8	372
New Mexico	4	268	2	148	1	100			1	20
New York	86	54,874	64	48,318	12	3,215			10	3,341
North Carolina	72	12,529	64	9,877	2	958	5	1,676	1	18
North Dakota	2	47							2	47
Ohio	93	31,462	46	19,115	39	10,575	3	750	4	982
Oklahoma	4	666	2	434	1	32			1	200
Oregon	17	2,221	13	1,086	4	1,135				
Pennsylvania	165	44,018	119	31,515	46	12,503				
Rhode Island	18	4,035	13	4,008	1	538	2	300	2	89
South Carolina	91	7,690	85	6,005	6	1,685				
South Dakota										
Tennessee	88	15,792	85	15,588	2	202				
Texas	227	31,254	211	28,057	11	2,569	3	366	2	262
Utah	9	2,725			9	2,725				
Vermont	3	323			3	323				
Virginia	76	28,663	36	9,569	25	17,010	12	1,896	3	188
Washington	59	13,270	26	7,023	27	5,799	2	320	4	128
West Virginia	14	2,746	13	2,076					1	70
Wisconsin	13	3,374	9	2,360	2	460	2	554		
Wyoming	3	467			3	467				
Alaska	16	681	4	325	12	356				
Hawaii	11	3,133	6	1,409					5	1,724
Puerto Rico	64	17,642	64	17,642						
Virgin Islands	3	476	3	476						

[1] Includes 5 projects and 49 units in the subsistence homesteads and Greenbelt towns program not shown separately by program.

[2] Includes Public Law 412, Public Law 671, PWA, Public Law 171, Public Law 475 and farm labor camp programs.

Source: Housing and Home Finance Agency, Public Housing Administration; *Annual Report.*

No. 951.—Occupied Dwelling Units—Tenure, and Population Per Dwelling Unit, by Color of Occupants, and by Nonfarm and Farm Residence: 1890 to 1950

[Minus sign (—) denotes decrease. See also *Historical Statistics*, series H 89-112]

Color of occupants, residence, and census year	Occupied dwelling units (or families)[1]						Percent increase over preceding census		Population per occupied dwelling unit (or family)[2]
	Total	Reporting tenure	Owner-occupied		Renter-occupied		Total occupied dwelling units (or families)[1]	Total population	
			Number	Percent	Number	Percent			
1890	12,690,152	12,690,152	6,066,417	47.8	6,623,735	52.2			5.0
1900	15,963,965	15,428,987	7,205,212	46.7	8,223,775	53.3	25.8	20.7	4.8
1910	20,255,555	19,781,666	9,083,711	45.9	10,697,895	54.1	26.9	21.0	4.5
1920	24,351,676	23,810,558	10,866,960	45.6	12,943,598	54.4	20.2	14.9	4.3
1930	29,904,663	29,321,801	14,002,074	47.8	15,319,817	52.2	22.8	16.1	4.1
1940	34,854,532	34,854,532	15,195,763	43.6	19,658,769	56.4	16.6	7.2	3.8
1950	42,826,281	42,826,281	23,559,966	55.0	19,266,315	45.0	22.9	14.5	3.5
Color of occupants									
White									
1890	11,255,169	11,255,169	5,793,660	51.5	5,461,509	48.5			4.9
1900	14,063,791	13,659,106	6,788,069	49.7	6,871,037	50.3	25.0	21.2	4.8
1910	(3)	(3)	(3)	(3)	(3)	(3)	(3)	22.3	(3)
1920	21,825,654	21,379,163	10,286,267	48.1	11,092,896	51.9	(3)	16.0	4.3
1930	26,982,994	26,492,256	13,288,429	50.2	13,203,827	49.8	23.6	16.3	4.1
1940	31,561,126	31,561,126	14,418,092	45.7	17,143,034	54.3	17.0	7.2	3.7
1950	39,043,595	39,043,595	22,240,970	57.0	16,802,625	43.0	23.7	14.1	3.5
Nonwhite									
1890	1,434,983	1,434,983	272,757	19.0	1,162,226	81.0			5.5
1900	1,900,174	1,769,881	417,143	23.6	1,352,738	76.4	32.4	17.1	4.8
1910	(3)	(3)	(3)	(3)	(3)	(3)	(3)	11.5	(3)
1920	2,526,022	2,431,395	580,693	23.9	1,850,702	76.1	(3)	6.3	4.3
1930	2,921,669	2,829,635	713,645	25.2	2,115,990	74.8	15.7	14.7	4.3
1940	3,293,406	3,293,406	777,671	23.6	2,515,735	76.4	12.7	7.7	4.1
1950	3,782,686	3,782,686	1,318,996	34.9	2,463,690	65.1	14.9	17.1	4.2
Residence									
Nonfarm									
1890	7,922,973	7,922,973	2,923,671	36.9	4,999,302	63.1			(3)
1900	10,274,127	9,779,979	3,566,809	36.5	6,213,170	63.5	29.7	(3)	(3)
1910	14,131,945	13,672,044	5,245,380	38.4	8,426,664	61.6	37.5	(3)	(3)
1920	17,600,472	17,229,394	7,041,283	40.9	10,188,111	59.1	24.5	(3)	4.2
1930	23,300,026	22,917,072	10,549,972	46.0	12,367,100	54.0	32.4	25.0	4.0
1940	27,747,973	27,747,973	11,413,036	41.1	16,334,937	58.9	19.1	9.5	3.7
1950	37,105,259	37,105,259	19,801,646	53.4	17,303,613	46.6	33.7	25.8	3.4
Farm[4]									
1890	4,767,179	4,767,179	3,142,746	65.9	1,624,433	34.1			(3)
1900	5,689,838	5,649,008	3,638,403	64.4	2,010,605	35.6	19.4	(3)	(3)
1910	6,123,610	6,109,562	3,838,331	62.8	2,271,231	37.2	7.6	(3)	(3)
1920	6,751,204	6,581,164	3,825,677	58.1	2,755,487	41.9	10.2	(3)	4.7
1930	6,604,637	6,404,819	3,452,102	53.9	2,952,717	46.1	—2.2	—4.6	4.6
1940	7,106,559	7,106,559	3,782,727	53.2	3,323,832	46.8	7.6	.2	4.3
1950	5,721,022	5,721,022	3,758,320	65.7	1,962,702	34.3	—19.5	—23.7	4.0

[1] "Occupied dwelling units" for 1940 and 1950 is not exactly same as "Families" for earlier years, but differences are so small as to be negligible. Count of families for 1900 and 1930 represents private families only; that for 1890, 1910, and 1920, includes small number of quasi-family groups which were counted as families in those years.

[2] Since population in private families was not tabulated separately for all years, population per occupied dwelling unit (or family) is based on total population (including population in quasi-households). See table 11, p. 16.

[3] Not available.

[4] For 1890 to 1920, "Farm" contains a small proportion of urban-farm families in addition to the rural-farm families. For changes in definition of "Farm," see "Farm and Nonfarm Residence," p. 3.

Source: Department of Commerce, Bureau of the Census, *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 952.—Dwelling Units—Occupancy, Tenure, and Race of Occupants: 1940 and 1950

[In thousands of dwelling units]

Occupancy, tenure, and race of occupants	1950								1940, total	
	Number				Percent distribution				Number	Percent
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm		
All dwelling units	**45,983**	**29,569**	**10,056**	**6,358**	**100.0**	**100.0**	**100.0**	**100.0**	**37,325**	**100.0**
Urban-farm dwelling units	96	96	------	------	.2	.3	------	------	88	.2
Occupied dwelling units	42,826	28,492	8,613	5,721	93.1	96.4	85.6	90.0	34,855	93.4
Owner occupied	23,560	14,377	5,425	3,758	51.2	48.6	53.9	59.1	15,196	40.7
White	22,241	13,567	5,135	3,539	48.4	45.9	51.1	55.7	14,418	38.6
Negro	1,252	787	265	199	2.7	2.7	2.6	3.1	720	1.9
Other races	67	22	25	20	.1	.1	.2	.3	58	.2
Renter occupied	19,266	14,116	3,188	1,963	41.9	47.7	31.7	30.9	19,659	52.7
White	16,803	12,434	2,846	1,522	36.5	42.1	28.3	23.9	17,143	45.9
Negro	2,381	1,630	324	428	5.2	5.5	3.2	6.7	2,437	6.5
Other races	82	51	18	13	.2	.2	.2	.2	79	.2
Nonresident dwelling units	127	56	28	44	.3	.2	.3	.7	106	.3
Vacant dwelling units [1]	3,030	1,021	1,416	593	6.6	3.5	14.1	9.3	2,365	6.3
Nonseasonal not dilapidated, for rent or sale	732	493	146	93	1.6	1.7	1.5	1.5	(2)	(2)
For rent [3]	517	364	106	57	1.1	1.2	1.1	.9	(2)	(2)
For sale only	215	138	40	36	.5	.5	.4	.6	(2)	(2)
Nonseasonal not dilapidated, not for rent or sale [4]	743	276	297	170	1.6	.9	3.0	2.7	(2)	(2)
Nonseasonal dilapidated	505	103	183	219	1.1	.3	1.8	3.4	(2)	(2)
Seasonal	1,050	150	790	111	2.3	.5	7.9	1.7	678	1.8

[1] 1940 and 1950 data not strictly comparable. See text, p. 774.
[2] Not available.
[3] Includes those offered for rent or for sale.
[4] Includes units already rented or sold but not yet occupied, and units held off market for other reasons.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 953.—Dwelling Units for Geographic Divisions: 1950

Region and division	Total		Urban		Rural nonfarm		Rural farm	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
United States	**45,983,398**	**100.0**	**29,569,073**	**100.0**	**10,056,382**	**100.0**	**6,357,943**	**100.0**
Northeast:								
New England	2,879,409	6.3	2,080,539	7.0	676,930	6.7	121,940	1.9
Middle Atlantic	9,171,773	19.9	7,271,291	24.6	1,498,371	14.9	402,111	6.3
North Central:								
East North Central	9,334,211	20.3	6,399,303	21.6	1,869,849	18.6	1,065,059	16.8
West North Central	4,411,435	9.6	2,274,630	7.7	1,050,053	10.4	1,086,752	17.1
South:								
South Atlantic	5,996,267	13.0	3,116,394	10.5	1,758,337	17.5	1,121,536	17.6
East South Central	3,195,164	6.9	1,330,434	4.5	851,620	8.5	1,013,110	15.9
West South Central	4,462,354	9.7	2,516,479	8.5	1,008,094	10.0	937,781	14.7
West:								
Mountain	1,608,421	3.5	884,417	3.0	468,824	4.7	255,180	4.0
Pacific	4,924,364	10.7	3,695,586	12.5	874,304	8.7	354,474	5.6

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 954.—Dwelling Units—Selected Characteristics, by States: 1950

Division and State	Total dwelling units			All dwelling units, 1950				
					Percent of dwelling units—			
	1940	1950	Percent increase, 1940 to 1950	Median number of rooms	In one-dwelling-unit detached structures [1]	In structures built in 1940 or later [2]	With hot running water, private toilet and bath, not dilapidated	Vacant non-seasonal not dilapidated, for rent or sale
United States	37,325,470	45,983,398	23.2	4.6	64.0	20.7	68.1	1.6
New England	2,438,329	2,879,409	18.1	5.1	47.4	11.8	73.9	1.2
Maine	260,659	311,441	19.5	5.3	67.9	12.0	52.4	1.4
New Hampshire	158,044	190,563	20.6	5.2	61.6	11.8	64.8	1.6
Vermont	100,362	121,911	14.6	5.8	66.1	9.0	65.3	1.6
Massachusetts	1,221,252	1,400,185	14.7	5.2	40.6	9.5	79.2	1.0
Rhode Island	203,469	244,147	20.0	4.9	40.3	11.9	62.2	1.4
Connecticut	488,543	611,162	25.1	5.0	47.2	17.3	81.8	1.1
Middle Atlantic	7,874,403	9,171,773	16.5	4.9	39.1	11.9	79.2	1.1
New York	4,032,460	4,633,806	14.9	4.5	32.7	11.1	83.5	1.2
New Jersey	1,223,887	1,501,473	22.7	5.0	46.7	15.2	83.5	1.2
Pennsylvania	2,618,056	3,036,494	16.0	5.5	45.0	11.6	71.6	.9
E. N. Central	7,681,568	9,334,211	21.5	5.0	64.9	16.3	66.1	1.0
Ohio	1,977,693	2,402,565	21.5	5.2	66.3	15.8	69.8	.9
Indiana	1,005,952	1,232,314	22.5	4.8	75.9	17.2	56.2	1.1
Illinois	2,280,826	2,671,647	17.1	4.7	52.2	12.3	67.0	.9
Michigan	1,519,378	1,971,842	29.8	5.1	71.9	22.6	70.4	1.3
Wisconsin	897,719	1,055,843	17.6	5.2	68.1	15.1	58.5	1.0
W. N. Central	3,915,903	4,411,435	12.7	4.8	75.4	14.0	50.9	1.1
Minnesota	773,042	918,434	18.8	4.9	73.0	16.4	52.7	1.0
Iowa	726,654	811,912	11.7	5.3	80.4	11.2	51.4	.8
Missouri	1,140,493	1,268,354	11.2	4.3	67.8	14.1	48.5	1.1
North Dakota	162,881	175,769	7.9	4.8	82.6	14.2	33.6	1.1
South Dakota	179,744	194,573	8.3	5.0	82.8	14.2	38.0	1.0
Nebraska	387,368	417,245	7.7	5.0	80.3	11.5	56.5	1.1
Kansas	545,721	625,148	14.6	4.8	80.1	15.8	57.8	1.9
South Atlantic	4,547,316	5,996,267	31.9	4.5	70.7	27.4	48.8	2.1
Delaware	75,567	97,013	28.4	5.6	53.8	21.9	69.6	1.4
Maryland	500,156	689,116	37.8	5.1	46.1	26.1	71.3	1.9
Dist. of Columbia	185,128	220,738	24.1	4.1	18.2	22.3	87.0	1.2
Virginia	659,787	901,483	36.6	4.7	71.5	29.0	49.7	1.7
West Virginia	459,725	544,075	18.3	4.6	79.4	19.1	44.6	1.2
North Carolina	820,888	1,058,367	28.9	4.5	83.3	26.0	34.5	1.4
South Carolina	468,899	557,672	21.5	4.3	82.1	25.3	34.3	1.8
Georgia	790,715	966,672	21.3	4.2	75.3	24.6	35.8	1.6
Florida	590,451	952,131	61.3	4.2	73.2	39.2	60.1	5.1
E. S. Central	2,736,525	3,195,164	16.8	4.2	80.1	24.6	32.7	1.4
Kentucky	729,206	820,141	12.5	4.3	78.7	18.7	35.5	1.1
Tennessee	742,030	921,837	24.2	4.2	78.6	26.7	36.0	1.5
Alabama	708,043	843,857	19.2	4.1	79.3	27.3	31.6	1.6
Mississippi	557,246	609,329	9.3	4.0	85.2	25.8	25.2	1.5
W. S. Central	3,592,215	4,462,354	24.2	4.1	80.0	31.0	47.6	2.2
Arkansas	520,613	575,163	10.5	4.0	86.5	26.9	28.7	1.8
Louisiana	619,233	777,672	25.6	4.1	73.1	30.0	40.5	1.7
Oklahoma	647,485	715,691	10.5	4.2	83.6	24.0	51.7	2.2
Texas	1,804,884	2,393,828	32.6	4.1	79.6	34.4	53.2	2.5
Mountain	1,238,588	1,608,421	29.9	4.0	75.9	30.0	62.3	2.7
Montana	177,443	194,256	9.5	4.0	73.0	19.1	56.3	1.7
Idaho	152,835	188,328	23.2	4.1	83.1	27.5	61.6	2.4
Wyoming	76,868	92,086	19.8	3.9	73.3	25.7	60.5	2.0
Colorado	354,660	436,226	23.0	4.2	71.9	22.7	61.1	1.9
New Mexico	145,642	199,706	37.1	3.7	78.2	39.7	51.0	2.9
Arizona	147,079	240,750	63.7	3.7	79.2	46.9	62.5	5.1
Utah	147,291	200,554	36.2	4.2	70.8	29.1	79.8	2.2
Nevada	36,770	56,515	53.7	3.8	75.8	39.6	73.7	3.6
Pacific	3,300,623	4,924,364	49.2	4.3	71.3	33.8	83.6	2.7
Washington	590,439	809,701	37.1	4.3	77.6	29.7	78.8	2.7
Oregon	369,811	524,003	41.7	4.4	79.8	32.6	74.0	2.7
California	2,340,373	3,590,660	53.4	4.3	68.6	34.9	86.0	2.7

[1] Includes occupied trailers.
[2] Based on 20-percent sample.

No. 954.—Dwelling Units—Selected Characteristics, by States: 1950—Continued

Division and state	Occupied dwelling units, 1950								Owner-occupied nonfarm, 1950		Renter-occupied nonfarm, 1950	
				Percent of dwelling units								
	Total number	Population in dwelling units	Median number of persons	With 1.01 or more persons per room	Occupied by nonwhite	Owner occupied	With central heating [2]	With mechanical refrigerator [2]	Percent mortgaged [3]	Median value of one-dwelling-unit structures [4]	Median contract monthly rent	Median gross monthly rent
U. S.	*42,826,281*	*145,030,888*	*3.1*	*15.7*	*8.8*	*55.0*	*50.4*	*80.2*	*44.0*	*$7,354*	*$35.50*	*$42.47*
New England	2,613,421	8,880,812	3.1	9.9	1.4	50.9	65.9	86.2	56.6	8,943	30.45	45.06
Maine	264,443	881,015	3.1	12.1	.2	62.8	48.1	71.1	31.8	4,856	27.95	41.35
N. H.	155,203	509,828	3.0	8.9	.2	58.1	57.0	82.1	45.0	6,199	26.67	40.52
Vermont	103,496	363,298	3.1	9.0	.1	61.3	51.4	77.5	41.1	6,277	27.54	41.22
Mass.	1,305,194	4,453,319	3.1	9.8	1.5	47.9	71.4	87.2	62.6	9,144	31.61	46.89
R. I.	225,447	750,558	3.1	9.7	1.6	45.3	58.5	86.0	54.0	9,767	25.62	40.17
Conn.	569,638	1,922,794	3.1	9.7	2.2	51.1	68.9	93.6	61.1	11,862	31.85	45.18
Mid. Atlantic	8,614,655	28,987,149	3.1	11.4	5.4	47.7	79.4	90.1	*48.9*	*8,627*	*38.42*	*46.37*
New York	4,325,139	14,152,766	3.0	12.4	5.4	37.9	82.2	90.2	56.7	10,152	41.02	48.30
New Jersey	1,373,637	4,658,598	3.1	10.2	5.3	53.1	79.7	92.6	51.3	10,408	39.12	48.76
Pa.	2,915,879	10,175,785	3.2	10.7	5.5	59.7	75.0	88.7	40.7	6,992	31.28	39.76
E. N. Central	8,823,056	29,306,167	3.0	11.9	5.9	60.9	65.6	86.2	42.9	7,720	38.33	45.40
Ohio	2,313,990	7,692,196	3.0	10.9	5.4	61.1	66.5	87.5	45.2	8,304	34.28	41.56
Indiana	1,168,916	3,816,485	2.9	13.8	3.9	65.5	54.0	82.6	46.6	6,226	34.26	41.97
Illinois	2,582,000	8,341,171	3.0	12.6	6.6	50.1	68.7	87.8	39.9	8,646	41.91	47.19
Michigan	1,790,702	6,136,272	3.1	10.9	5.4	67.5	68.2	87.0	43.6	7,496	40.29	47.36
Wisconsin	967,448	3,320,043	3.1	11.2	.9	63.5	64.4	81.9	37.8	7,927	37.85	48.99
W. N. Central	4,148,910	13,581,307	2.9	13.8	3.1	62.2	51.3	78.9	36.2	6,391	33.76	39.83
Minnesota	845,265	2,876,145	3.1	13.0	.8	66.4	60.1	79.5	41.1	7,806	35.72	43.27
Iowa	780,167	2,538,841	2.9	10.3	.7	63.4	57.3	82.3	32.3	6,320	34.80	42.53
Missouri	1,197,597	3,813,053	2.8	16.8	6.8	57.7	47.2	76.0	41.1	6,399	30.38	36.44
N. Dak.	*162,105*	*600,012*	*3.4*	*20.5*	*1.2*	*66.2*	*51.9*	*68.1*	*22.8*	*5,396*	*36.14*	*42.80*
S. Dak.	182,978	631,235	3.1	15.4	2.5	62.2	41.4	73.6	25.0	5,410	33.54	42.30
Nebraska	394,148	1,279,013	2.9	12.6	1.5	60.6	51.5	82.1	32.0	5,918	36.71	42.50
Kansas	586,650	1,843,008	2.8	11.6	3.6	63.9	41.8	82.1	33.7	5,462	35.43	37.55
S. Atlantic	5,539,058	20,344,644	3.3	21.4	20.9	52.1	27.2	69.5	42.0	6,349	28.92	35.91
Delaware	90,390	307,314	3.1	9.6	12.1	58.9	65.2	83.2	51.0	9,079	35.80	46.03
Maryland	641,222	2,245,275	3.2	12.3	13.6	56.3	70.3	81.9	49.0	8,033	39.68	46.16
D. C.	224,142	715,861	2.7	14.1	27.9	32.3	90.8	92.0	60.1	14,498	53.72	57.09
Virginia	845,259	3,141,756	3.3	19.1	19.4	55.1	34.9	72.6	43.5	6,581	31.71	39.16
W. Va.	518,281	1,963,114	3.4	22.6	5.3	55.0	25.1	74.2	32.5	*5,473*	21.63	28.43
N. C.	994,356	3,931,516	3.5	25.1	22.7	53.3	14.8	64.1	36.4	4,901	20.83	29.58
S. C.	514,638	2,061,607	3.5	28.9	34.5	45.1	8.0	58.9	40.2	5,112	17.39	26.03
Georgia	889,269	3,335,172	3.3	27.2	28.0	46.5	14.2	58.9	40.2	5,235	19.97	27.42
Florida	821,501	2,642,939	2.8	18.0	18.8	57.6	6.5	71.4	42.1	6,612	38.46	39.35
E. S. Central	2,991,832	11,193,665	3.3	27.9	22.0	53.6	16.6	60.4	*34.9*	*4,933*	*21.63*	*28.11*
Kentucky	778,754	2,865,393	3.2	25.1	7.3	58.7	24.8	65.9	35.5	5,283	24.66	30.77
Tennessee	871,474	3,200,784	3.3	25.3	15.5	56.5	20.3	65.6	37.2	5,268	24.13	30.73
Alabama	786,839	2,990,317	3.4	30.5	29.3	49.4	11.2	58.7	34.6	4,473	17.51	24.52
Mississippi	554,765	2,128,171	3.3	32.1	42.3	47.8	7.0	46.6	29.4	4,159	18.81	24.62
W. S. Central	4,101,717	14,102,683	3.0	23.7	15.9	55.8	12.5	69.5	37.3	5,446	31.57	33.60
Arkansas	524,391	1,874,484	3.1	26.7	21.2	54.5	10.1	55.1	29.1	4,087	22.60	27.91
Louisiana	724,945	2,616,079	3.2	26.2	30.8	50.3	10.7	62.5	37.1	5,141	22.21	26.74
Oklahoma	663,203	2,166,511	2.9	20.0	7.8	60.0	20.9	72.4	40.0	5,228	32.78	34.20
Texas	2,189,178	7,445,609	3.0	23.3	12.1	56.7	11.1	*74.3*	*37.9*	*5,805*	*35.90*	*37.13*
Mountain	1,445,433	4,877,377	3.0	22.8	3.4	59.4	38.8	77.1	38.8	6,582	36.65	40.29
Montana	175,470	566,284	2.9	19.0	2.1	60.3	40.0	77.0	27.2	5,797	35.35	40.83
Idaho	169,110	572,854	3.1	22.2	1.0	65.5	31.8	82.5	34.7	5,852	35.91	43.85
Wyoming	84,185	274,991	3.0	22.2	1.6	54.0	37.9	77.5	36.9	6,811	38.41	41.23
Colorado	391,235	1,257,727	2.9	18.0	1.8	58.1	52.2	77.6	41.7	*7,151*	*36.31*	*39.25*
N. Mex.	176,993	659,051	3.3	34.0	5.6	58.8	23.9	63.5	36.2	5,697	39.19	40.93
Arizona	210,374	721,992	3.0	27.6	9.7	56.4	19.0	72.2	42.8	5,936	35.50	36.83
Utah	187,825	673,447	3.3	23.4	1.4	65.3	54.8	88.2	42.7	7,409	36.08	39.93
Nevada	50,241	151,031	2.6	16.3	5.2	48.7	25.4	80.3	39.6	8,859	42.33	47.34
Pacific	4,548,199	13,757,084	2.7	12.2	4.1	57.2	43.2	84.0	49.9	8,872	39.56	42.62
Wash.	735,746	2,248,893	2.7	11.3	2.0	65.0	43.5	81.6	43.0	7,169	36.57	43.46
Oregon	479,047	1,467,556	2.8	12.7	1.2	65.3	36.6	80.6	40.3	6,846	38.01	44.19
California	3,333,406	10,045,635	2.7	12.3	5.0	54.3	44.1	85.1	53.0	9,564	40.48	42.30

[2] Based on 20-percent sample.
[3] Restricted to units in 1- to 4-dwelling-unit structures without business.
[4] Restricted to 1-dwelling-unit properties without business.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. 1, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 955.—Dwelling Units—Selected Characteristics for Standard Metropolitan Areas: 1950

[For detailed explanation of standard metropolitan area concept, and data for geographic components of each area, see source and *County and City Data Book, 1952*, a supplement to the *Statistical Abstract*. See also headnote, table 14]

Standard metropolitan area	Total dwelling units		All dwelling units, 1950		Occupied dwelling units, 1950				
								Nonfarm	
	1940	1950	Percent in structures built in 1940 or later [1]	Percent with hot running water, private toilet and bath, not dilapidated	Total number	Percent owner-occupied	Percent occupied by nonwhite	Median value [2]	Median gross monthly rent [3]
Akron (Ohio) area	93,994	122,845	19.0	79.3	119,444	68.4	5.0	$8,511	$41.91
Albany-Schenectady-Troy (N. Y.) area	142,035	160,114	10.6	79.4	153,713	52.9	1.5	9,899	45.30
Albuquerque (N. Mex.) area	19,026	43,443	54.2	68.4	40,240	62.0	2.3	8,409	48.88
Allentown-Bethlehem-Easton (Pa.) area	106,871	127,182	11.1	72.4	122,287	61.6	.5	7,472	40.47
Altoona (Pa.) area	37,227	40,941	6.5	70.1	39,558	64.0	.8	5,108	33.53
Amarillo (Tex.) area	17,799	28,393	40.9	78.3	26,805	58.8	4.6	7,119	43.71
Asheville (N. C.) area	28,233	35,616	20.2	52.5	32,849	60.6	11.4	5,299	36.91
Atlanta (Ga.) area	140,627	192,552	29.1	61.9	185,580	50.6	21.9	8,122	34.54
Atlantic City (N. J.) area	43,223	48,004	9.4	86.4	40,168	54.7	14.2	7,827	47.59
Augusta (Ga.) area	35,240	45,058	22.9	43.0	42,450	43.5	33.3	4,984	25.42
Austin (Tex.) area	30,260	45,945	39.4	67.5	42,508	53.4	13.0	7,684	40.95
Baltimore (Md.) area	300,246	392,263	22.8	78.7	369,225	55.0	16.2	7,609	46.52
Baton Rouge (La.) area	23,940	45,937	47.1	63.8	43,142	58.3	31.6	7,162	37.89
Bay City (Mich.) area	20,514	26,417	20.6	67.7	24,809	75.7	.4	6,178	43.11
Beaumont-Port Arthur (Tex.) area	40,984	59,866	31.3	66.6	56,776	58.2	22.2	6,724	36.38
Binghamton (N. Y.) area	46,942	55,264	12.9	84.2	53,040	58.4	.4	9,135	43.45
Birmingham (Ala.) area	122,744	159,377	24.6	48.2	153,546	50.7	34.3	5,956	25.86
Boston (Mass.) area	596,921	667,412	8.2	87.8	646,156	44.5	2.2	10,878	51.51
Bridgeport (Conn.) area	61,179	77,919	20.0	84.4	74,054	49.1	2.5	12,145	44.22
Brockton (Mass.) area	34,864	38,995	8.5	82.3	37,585	59.0	.6	7,506	43.18
Buffalo (N. Y.) area	264,062	317,423	13.8	85.5	306,059	53.8	3.4	9,662	45.46
Canton (Ohio) area	63,471	83,153	19.1	78.1	80,905	68.2	3.5	7,980	41.68
Cedar Rapids (Iowa) area	27,156	32,753	14.0	64.3	31,821	65.9	.7	8,395	47.15
Charleston (S. C.) area	34,249	47,187	32.2	50.3	42,927	41.5	40.4	5,037	32.29
Charleston (W. Va.) area	66,634	87,485	26.2	55.3	84,346	47.6	7.5	6,840	31.53
Charlotte (N. C.) area	37,175	54,332	32.5	62.2	52,598	48.8	22.5	8,186	38.02
Chattanooga (Tenn.) area	55,000	71,358	24.3	52.1	68,710	53.7	17.9	5,272	31.27
Chicago (Ill.) area	1,384,268	1,650,357	11.5	78.2	1,607,430	41.8	9.5	11,977	48.94
Cincinnati (Ohio) area	240,929	283,957	13.0	72.1	276,401	49.1	10.2	10,978	36.13
Cleveland (Ohio) area	364,534	438,902	16.2	88.7	427,792	53.5	8.3	12,173	45.17
Columbia (S. C.) area	25,230	38,159	35.1	57.1	35,206	45.2	30.6	7,935	36.24
Columbus (Ga.) area	29,599	43,730	33.3	50.0	41,633	37.9	27.4	6,076	29.77
Columbus (Ohio) area	109,737	148,214	20.3	78.0	145,664	53.7	8.9	8,850	45.34
Corpus Christi (Tex.) area	27,641	48,077	47.9	61.8	43,918	47.9	5.3	7,461	35.62
Dallas (Tex.) area	120,164	197,203	41.5	72.9	187,172	57.3	12.4	7,436	45.78
Davenport (Iowa)-Rock Island-Moline (Ill.) area	57,267	70,326	18.8	66.9	68,802	60.8	1.2	9,183	45.51
Dayton (Ohio) area	93,922	133,527	27.8	69.6	130,622	59.0	7.1	9,245	44.93
Decatur (Ill.) area	24,868	31,484	19.2	62.1	30,036	66.4	2.8	7,070	42.53
Denver (Colo.) area	128,261	181,410	27.2	74.4	172,104	55.5	2.9	9,145	41.13
Des Moines (Iowa) area	58,444	72,099	17.8	66.2	70,128	66.7	3.4	7,249	40.92
Detroit (Mich.) area	645,049	858,027	25.9	86.9	828,832	61.8	9.2	8,966	49.44
Dubuque (Iowa) area	16,268	19,011	10.2	46.0	18,574	59.3	.1	8,505	43.68
Duluth (Minn.)-Superior (Wis.) area	76,147	84,901	11.6	56.5	75,520	65.7	.4	6,115	38.75
Durham (N. C.) area	20,618	26,917	23.5	47.2	26,099	44.5	30.4	6,767	34.14
El Paso (Tex.) area	33,808	50,794	28.8	55.9	47,975	45.1	2.3	8,222	33.87
Erie (Pa.) area	50,346	64,813	16.0	77.9	61,880	61.8	1.1	7,630	41.67
Evansville (Ind.) area	36,949	49,573	24.4	62.9	47,597	58.9	5.3	6,570	38.29
Fall River (Mass.) area	36,109	42,082	8.8	40.7	39,714	34.7	.2	7,856	34.78
Flint (Mich.) area	62,779	80,552	21.0	67.8	78,286	73.6	4.6	6,468	49.48
Fort Wayne (Ind.) area	43,315	56,444	18.9	73.5	54,818	68.2	2.4	8,158	48.57
Fort Worth (Tex.) area	67,948	114,615	40.1	69.6	109,175	60.7	10.4	6,391	42.22
Fresno (Calif.) area	54,505	88,009	38.9	69.6	80,283	60.8	6.2	7,470	36.21
Gadsden (Ala.) area	17,559	26,426	37.7	43.2	25,313	50.3	13.6	5,083	26.66
Galveston (Tex.) area	24,550	37,510	35.7	66.0	33,191	45.0	19.9	7,246	38.29
Grand Rapids (Mich.) area	72,903	89,191	16.1	75.2	85,430	69.9	2.0	8,091	41.07
Green Bay (Wis.) area	21,576	27,461	20.3	63.2	26,205	65.8	.7	8,574	48.30
Greensboro-High Point (N. C.) area	37,868	51,547	28.9	51.4	49,769	53.5	17.0	6,079	33.38

See footnotes at end of table.

No. 955.—DWELLING UNITS—SELECTED CHARACTERISTICS FOR STANDARD METROPOLITAN AREAS: 1950—*Continued*

STANDARD METROPOLITAN AREA	TOTAL DWELLING UNITS		ALL DWELLING UNITS, 1950		OCCUPIED DWELLING UNITS, 1950				
								Nonfarm	
	1940	1950	Percent in structures built in 1940 or later [1]	Percent with hot running water, private toilet and bath, not dilapidated	Total *number*	Percent owner-occupied	Percent occupied by nonwhite	Median value [2]	Median gross monthly rent [3]
Greenville (S. C.) area	35,093	47,857	28.9	48.6	45,345	48.1	17.0	$6,311	$28.60
Hamilton-Middletown (Ohio) area	33,366	42,173	19.0	61.3	41,124	63.7	4.6	8,205	40.24
Hampton-Newport News-Warwick (Va.) area	20,262	40,366	(4)	(4)	(4)	(4)	(4)	(4)	(4)
Harrisburg (Pa.) area	*69,510*	*87,356*	*15.1*	*70.8*	*83,970*	*57.9*	*4.5*	*7,497*	*42.77*
Hartford (Conn.) area	79,234	103,456	20.9	88.4	101,071	44.5	3.2	13,277	49.67
Houston (Tex.) area	154,628	257,154	42.7	73.2	240,392	55.5	17.5	7,403	45.20
Huntington (W. Va.)-Ashland (Ky.) area	56,934	70,165	19.0	59.1	67,321	60.5	2.9	6,102	31.66
Indianapolis (Ind.) area	136,877	171,642	18.9	69.0	167,571	58.5	10.5	7,544	44.03
Jackson (Mich.) area	27,764	33,254	14.3	63.2	30,814	73.6	2.4	6,157	45.55
Jackson (Miss.) area	27,404	40,111	39.3	53.0	37,599	46.8	40.8	7,876	34.41
Jacksonville (Fla.) area	57,816	91,027	35.0	62.0	85,277	55.8	23.4	6,905	39.05
Johnstown (Pa.) area	70,447	78,749	10.6	54.2	76,209	58.5	1.0	5,205	30.99
Kalamazoo (Mich.) area	29,768	38,853	20.5	69.8	36,664	70.5	1.6	7,315	46.45
Kansas City (Mo.) area	218,880	263,768	15.7	70.3	256,223	58.3	10.4	7,006	38.51
Kenosha (Wis.) area	19,387	25,413	20.0	72.7	21,988	62.6	.3	8,866	48.34
Knoxville (Tenn.) area	61,832	94,610	35.3	53.8	88,809	56.3	7.8	5,067	36.42
Lancaster (Pa.) area	56,950	67,376	11.4	67.0	65,128	59.4	1.1	7,821	38.28
Lansing (Mich.) area	38,491	50,953	23.0	71.1	49,613	66.3	1.6	7,042	46.87
Laredo (Tex.) area	11,044	14,117	28.7	32.3	12,823	56.4	.3	2,178	18.39
Lawrence (Mass.) area	34,116	37,955	6.1	74.7	36,959	39.3	.3	9,210	42.08
Lexington (Ky.) area	21,903	27,905	18.1	65.9	27,124	49.0	18.7	8,698	36.74
Lima (Ohio) area	20,650	26,662	17.3	68.6	25,969	66.0	3.7	6,895	44.03
Lincoln (Nebr.) area	30,844	37,116	14.6	74.5	35,991	57.3	.9	7,134	42.12
Little Rock-North Little Rock (Ark.) area	43,567	59,228	29.1	60.0	56,569	54.7	22.4	6,425	36.97
Lorain-Elyria (Ohio) area	31,066	43,044	22.6	77.0	41,326	68.3	3.8	9,154	45.44
Los Angeles (Calif.) area	1,010,550	1,521,849	33.9	91.0	1,440,451	54.1	5.0	9,899	44.61
Louisville (Ky.) area	130,827	170,858	21.2	64.5	166,112	55.6	11.5	7,212	36.62
Lowell (Mass.) area	33,761	38,489	7.5	69.2	36,178	49.1	.2	6,460	39.19
Lubbock (Tex.) area	14,888	31,475	52.9	63.9	28,230	50.5	5.9	7,370	48.19
Macon (Ga.) area	26,822	38,859	30.7	48.3	37,196	41.6	33.7	4,924	27.52
Madison (Wis.) area	37,514	48,022	18.8	64.9	46,082	58.1	.5	10,919	54.59
Manchester (N. H.) area	23,486	27,192	9.9	73.2	26,060	42.3	.3	7,866	37.88
Memphis (Tenn.) area	99,413	137,985	29.5	55.4	133,683	48.0	34.8	7,725	33.00
Miami (Fla.) area	*90,472*	*180,658*	*48.2*	*82.6*	*154,462*	*53.9*	*9.7*	*9,473*	*56.40*
Milwaukee (Wis.) area	216,530	253,384	14.3	81.5	249,036	49.8	1.9	11,922	56.18
Minneapolis-St. Paul (Minn.) area	276,575	337,792	16.9	75.2	327,791	60.3	1.3	9,963	44.68
Mobile (Ala.) area	37,134	67,048	41.2	50.2	62,138	53.4	32.2	4,511	32.53
Montgomery (Ala.) area	30,462	40,459	28.5	51.8	37,740	39.7	39.9	7,151	30.23
Muncie (Ind.) area	22,181	28,330	20.7	63.6	27,308	63.6	4.8	6,102	40.25
Nashville (Tenn.) area	69,639	91,575	24.9	56.0	88,741	52.9	19.3	6,808	31.51
New Bedford (Mass.) area	38,319	43,241	6.0	46.1	41,127	41.0	2.1	7,189	36.03
New Britain-Bristol (Conn.) area	32,414	43,436	20.3	83.3	42,505	49.0	.8	10,615	42.96
New Haven (Conn.) area	68,035	77,482	12.3	83.7	75,108	46.6	3.7	11,914	44.45
New Orleans (La.) area	152,284	207,086	23.8	60.0	197,311	38.3	27.7	8,956	28.30
New York-Northeastern New Jersey area	3,421,913	3,953,876	12.2	87.8	3,774,306	31.7	6.8	11,144	49.27
Norfolk-Portsmouth (Va.) area	69,417	119,623	38.6	67.7	113,532	42.7	26.7	6,659	40.09
Ogden (Utah) area	15,914	24,696	33.1	85.4	23,574	59.1	2.3	7,417	37.89
Oklahoma City (Okla.) area	76,025	108,083	34.2	76.5	101,924	58.5	7.8	7,536	39.54
Omaha (Nebr.) area	94,514	107,762	12.2	73.1	105,407	63.4	4.3	7,137	46.69
Orlando (Fla.) area	23,298	40,212	41.0	65.2	35,833	61.4	16.2	7,540	38.50
Peoria (Ill.) area	61,113	76,675	21.7	64.4	74,119	63.9	2.1	7,784	43.80
Philadelphia (Pa.) area	875,513	1,052,537	13.4	83.0	1,017,729	61.9	12.1	7,593	44.50
Phoenix (Ariz.) area	*54,358*	*108,047*	*52.6*	*70.0*	*96,435*	*57.0*	*5.8*	*6,615*	*37.19*
Pittsburgh (Pa.) area	537,809	628,470	14.5	67.9	614,557	54.8	5.4	7,740	40.10
Pittsfield (Mass.) area	16,696	19,627	10.0	88.3	18,997	53.1	1.0	9,688	48.63
Portland (Maine) area	31,665	37,801	12.2	81.3	34,994	46.0	.3	8,341	45.27
Portland (Oreg.) area	174,190	243,840	30.3	83.1	229,046	65.6	1.7	7,472	44.14
Providence (R. I.) area	187,901	221,800	10.6	62.3	211,471	45.3	1.3	9,714	39.83
Pueblo (Colo.) area	19,331	25,551	20.5	60.3	24,357	63.7	2.0	6,228	35.51

See footnotes at end of table.

No. 955.—Dwelling Units—Selected Characteristics for Standard Metropolitan Areas: 1950—Continued

Standard metropolitan area	Total dwelling units		All dwelling units, 1950		Occupied dwelling units, 1950				
								Nonfarm	
	1940	1950	Percent in structures built in 1940 or later [1]	Percent with hot running water, private toilet and bath, not dilapidated	Total number	Percent owner-occupied	Percent occupied by nonwhite	Median value [2]	Median gross monthly rent [3]
Racine (Wis.) area	27,633	34,112	16.5	70.9	31,402	64.2	1.3	$9,305	$49.49
Raleigh (N. C.) area	25,248	34,539	27.3	50.1	33,249	46.4	25.0	7,369	38.57
Reading (Pa.) area	66,503	75,843	8.9	72.5	73,230	64.3	.9	7,016	38.57
Richmond (Va.) area	70,819	94,539	26.3	67.8	90,987	54.7	23.1	8,009	40.15
Roanoke (Va.) area	28,905	37,990	22.3	67.7	36,660	63.2	11.6	7,188	41.23
Rochester (N. Y.) area	127,776	147,923	10.9	88.5	143,685	60.9	1.3	9,739	49.76
Rockford (Ill.) area	35,483	46,875	23.3	65.9	45,645	60.7	1.9	9,345	48.77
Sacramento (Calif.) area	51,815	87,253	42.7	84.0	82,728	63.4	4.7	9,110	43.10
Saginaw (Mich.) area	35,802	44,491	17.3	62.4	42,931	72.2	4.6	6,400	43.36
St. Joseph (Mo.) area	28,673	29,624	5.7	57.6	28,610	58.6	3.0	4,497	33.13
St. Louis (Mo.) area	428,668	507,213	14.9	65.9	494,235	51.4	11.5	8,919	38.12
Salt Lake City (Utah) area	59,071	81,490	26.6	87.8	78,377	61.9	1.2	8,865	44.35
San Angelo (Tex.) area	11,283	18,175	41.7	65.0	16,973	60.7	5.0	5,854	42.02
San Antonio (Tex.) area	90,252	137,853	32.7	60.9	130,959	57.5	6.7	6,634	34.57
San Bernardino (Calif.) area	63,175	105,428	42.5	81.2	85,631	62.5	2.5	7,116	38.84
San Diego (Calif.) area	100,245	181,440	44.5	88.8	169,010	52.7	3.4	9,458	41.50
San Francisco-Oakland (Calif.) area	495,518	741,668	29.9	90.5	706,297	49.1	7.5	11,333	41.32
San Jose (Calif.) area	56,406	91,670	36.4	86.4	85,424	64.8	2.5	10,644	43.45
Savannah (Ga.) area	33,281	46,928	28.9	53.4	43,074	37.6	37.3	6,192	28.58
Scranton (Pa.) area	74,450	74,060	1.5	73.5	71,769	52.6	.3	5,719	37.80
Seattle (Wash.) area	183,151	252,396	31.0	86.9	236,258	63.2	3.5	8,758	44.65
Shreveport (La.) area	42,566	52,477	26.1	53.3	50,358	50.1	34.3	7,376	28.02
Sioux City (Iowa) area	29,630	31,945	8.6	61.2	31,253	60.7	1.0	7,008	42.32
Sioux Falls (S. Dak.) area	15,923	21,027	23.7	60.9	20,660	59.2	.3	8,059	43.76
South Bend (Ind.) area	44,842	60,732	24.6	74.4	59,230	73.0	3.5	7,564	47.69
Spokane (Wash.) area	54,376	72,505	25.4	83.5	68,949	66.4	1.0	7,215	43.01
Springfield (Ill.) area	33,943	41,848	15.9	68.3	40,659	61.8	3.3	6,961	43.97
Springfield (Mo.) area	27,612	34,562	21.6	54.1	33,067	65.1	1.9	5,514	33.72
Springfield (Ohio) area	27,540	33,507	16.1	69.0	32,733	57.3	7.9	7,885	41.42
Springfield-Holyoke (Mass.) area	99,361	116,294	12.8	85.0	113,531	47.4	1.5	9,114	46.64
Stamford-Norwalk (Conn.) area	44,537	57,969	18.4	89.2	55,399	56.0	3.1	15,368	53.82
Stockton (Calif.) area	38,210	61,430	39.7	76.9	58,004	60.1	7.0	7,314	36.35
Syracuse (N. Y.) area	85,649	101,296	11.4	78.0	96,893	56.8	1.3	9,861	46.70
Tacoma (Wash.) area	59,372	85,258	27.4	83.1	78,850	66.5	1.9	6,960	41.31
Tampa-St. Petersburg (Fla.) area	93,575	152,612	36.4	65.0	131,683	61.7	11.7	6,725	36.85
Terre Haute (Ind.) area	31,135	34,988	10.6	49.8	33,510	65.4	4.0	4,554	31.64
Toledo (Ohio) area	99,965	119,111	15.3	83.1	116,599	65.5	4.9	8,059	44.39
Topeka (Kans.) area	28,009	33,917	16.6	67.7	32,774	65.4	7.0	6,588	40.61
Trenton (N. J.) area	49,802	60,784	14.3	84.6	59,383	63.6	6.5	7,810	49.17
Tulsa (Okla.) area	57,857	81,251	29.7	73.2	78,003	60.2	8.4	7,317	36.93
Utica-Rome (N. Y.) area	76,383	86,149	8.1	72.8	79,984	57.4	.7	7,690	42.29
Waco (Tex.) area	29,114	40,168	30.1	55.3	37,680	56.8	16.0	5,877	32.47
Washington (D. C.) area	265,997	419,886	38.2	87.1	405,111	42.6	18.2	14,022	60.55
Waterbury (Conn.) area	37,062	44,240	15.5	81.0	42,879	49.0	2.1	11,065	42.76
Waterloo (Iowa) area	23,053	29,938	22.3	61.8	29,189	65.0	1.8	7,958	45.64
Wheeling (W. Va.)-Steubenville (Ohio) area	94,248	103,644	9.9	61.0	100,362	58.6	3.0	6,376	31.92
Wichita (Kans.) area	44,503	73,829	36.3	77.8	69,426	57.5	4.1	7,751	39.48
Wichita Falls (Tex.) area	20,577	27,374	25.8	62.9	26,173	55.5	6.5	5,566	41.42
Wilkes-Barre—Hazleton (Pa.) area	105,633	110,981	4.1	72.4	106,663	53.7	.2	5,649	39.05
Wilmington (Del.) area	60,025	78,483	22.8	77.7	75,075	57.6	10.4	9,475	47.02
Winston-Salem (N. C.) area	32,265	41,338	24.6	47.4	39,694	54.8	27.7	6,425	28.38
Worcester (Mass.) area	65,802	76,586	9.5	79.5	74,442	46.1	.6	9,232	46.45
York (Pa.) area	50,164	61,054	13.5	62.1	58,912	64.4	1.3	7,128	36.11
Youngstown (Ohio) area	121,012	149,623	16.8	71.9	145,863	68.5	5.3	7,421	41.71

[1] Based on 20-percent sample.
[2] Restricted to owner-occupied units in 1-dwelling-unit structures without business and with one dwelling unit in property.
[3] For renter-occupied units.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I.

No. 956.—Dwelling Units—Type of Structure, Number of Rooms, Number of Persons, and Persons Per Room: 1940 and 1950

[In thousands of dwelling units. Percent not shown where less than 0.1]

Subject	1950								1940, total	
	Number				Percent distribution					
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm	Number	Percent
TYPE OF STRUCTURE										
Total dwelling units	45,983	29,569	10,056	6,358	100.0	100.0	100.0	100.0	37,325	100.0
1 to 4 dwelling unit	40,591	24,470	9,788	6,332	88.3	82.8	97.3	99.6	33,397	89.5
1 dwelling unit, detached [1]	29,116	14,471	8,567	6,078	63.3	48.9	85.2	95.6	23,898	64.0
1 dwelling unit, attached	1,210	1,056	110	44	2.6	3.6	1.1	.7	(2)	(2)
1 and 2 dwelling unit, semi-detached	1,589	1,312	237	40	3.5	4.4	2.4	.6	(2)	(2)
2 dwelling unit, other	5,302	4,518	634	149	11.5	15.3	6.3	2.3	(2)	(2)
3 and 4 dwelling unit	3,374	3,113	240	21	7.3	10.5	2.4	.3	(2)	(2)
5 to 9 dwelling unit	2,138	2,028	102	8	4.6	6.9	1.0	.1	1,492	4.0
10 to 19 dwelling unit	1,085	1,051	29	4	2.4	3.6	.3	.1	854	2.3
20 dwelling unit or more	1,855	1,846	8	1	4.0	6.2	.1	------	1,582	4.2
Trailers	315	174	128	12	.7	.6	1.3	.2	(3)	(3)
NUMBER OF ROOMS										
Total dwelling units	45,983	29,569	10,056	6,358	------	------	------	------	37,325	------
Number reporting	44,898	29,044	9,687	6,167	100.0	100.0	100.0	100.0	36,832	100.0
1 room	1,296	836	349	110	2.9	2.9	3.6	1.8	1,307	3.5
2 rooms	3,384	2,233	828	323	7.5	7.7	8.5	5.2	3,215	8.7
3 rooms	6,670	4,582	1,408	680	14.9	15.8	14.5	11.0	5,332	14.5
4 rooms	9,814	6,195	2,326	1,293	21.9	21.3	24.0	21.0	6,892	18.7
5 rooms	9,522	6,486	1,904	1,131	21.2	22.3	19.7	18.3	7,302	19.8
6 rooms	7,565	5,044	1,450	1,070	16.8	17.4	15.0	17.4	6,322	17.2
7 rooms	3,320	1,965	704	651	7.4	6.8	7.3	10.6	2,869	7.8
8 rooms	1,835	963	398	483	4.1	3.3	4.1	7.8	1,886	5.1
9 rooms	1,493	749	319	425	3.3	2.6	3.3	6.9	1,707	4.6
Not reported	1,086	525	369	191	------	------	------	------	493	------
Median number of rooms	4.6	4.6	4.5	5.1	------	------	------	------	4.7	------
NUMBER OF PERSONS										
Occupied dwelling units	42,826	28,492	8,613	5,721	100.0	100.0	100.0	100.0	34,855	100.0
1 person	3,993	2,839	867	288	9.3	10.0	10.1	5.0	2,677	7.7
2 persons	12,023	8,340	2,347	1,336	28.1	29.3	27.2	23.4	8,630	24.8
3 persons	9,763	6,727	1,870	1,165	22.8	23.6	21.7	20.4	7,796	22.4
4 persons	7,878	5,287	1,557	1,034	18.4	18.6	18.1	18.1	6,325	18.1
5 persons	4,466	2,813	921	733	10.4	9.9	10.7	12.8	4,013	11.5
6 persons	2,258	1,302	491	465	5.3	4.6	5.7	8.1	2,360	6.8
7 persons	1,160	613	261	285	2.7	2.2	3.0	5.0	1,341	3.8
8 persons	594	282	139	174	1.4	1.0	1.6	3.0	768	2.2
9 persons	324	141	77	106	.8	.5	.9	1.9	436	1.3
10 persons or more	367	148	84	135	.9	.5	1.0	2.4	509	1.5
Median number of persons	3.1	3.0	3.1	3.6	------	------	------	------	3.3	------
PERSONS PER ROOM										
Occupied dwelling units	42,826	28,492	8,613	5,721	------	------	------	------	34,855	------
Number reporting	42,154	28,098	8,451	5,606	100.0	100.0	100.0	100.0	34,447	100.0
0.75 or less	25,357	17,245	4,895	3,216	60.2	61.4	57.9	57.4	18,910	54.9
0.76 to 1.00	10,170	7,119	1,912	1,140	24.1	25.3	22.6	20.3	8,573	24.9
1.01 to 1.50	4,020	2,426	916	678	9.5	8.6	10.8	12.1	3,879	11.3
1.51 or more	2,608	1,308	728	572	6.2	4.7	8.6	10.2	3,086	9.0
Not reported	672	395	162	115	------	------	------	------	408	------

[1] 1950 statistics include units with business; 1940 statistics exclude units with business and include "other dwelling places."
[2] 1940 classification not strictly comparable with 1950. See source publication.
[3] Included with "1 dwelling unit, detached."

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 957.—Dwelling Units—Year Built: 1950

[In thousands of dwelling units. Asterisk (*) denotes statistics based on 20-percent sample]

YEAR BUILT	NUMBER				PERCENT DISTRIBUTION			
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm
All dwelling units	45,983	29,569	10,056	6,358				
Number reporting year built*	44,230	28,547	9,535	6,148	100.0	100.0	100.0	100.0
1945 or later	5,946	3,366	1,954	626	13.4	11.8	20.5	10.2
1940 to 1944	3,228	2,154	757	317	7.3	7.5	7.9	5.2
1930 to 1939	5,898	3,303	1,676	918	13.3	11.6	17.6	14.9
1920 to 1929	8,894	6,464	1,429	1,000	20.1	22.6	15.0	16.3
1919 or earlier	20,264	13,259	3,719	3,286	45.8	46.4	39.0	53.4

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 958.—Dwelling Units—Water Supply, Condition and Plumbing Facilities, and Kitchen Sink: 1950

[In thousands of dwelling units. Asterisk (*) denotes statistics based on 20-percent sample]

SUBJECT	NUMBER				PERCENT DISTRIBUTION			
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm
All dwelling units	45,983	29,569	10,056	6,358				
WATER SUPPLY								
Number reporting	45,289	29,240	9,799	6,249	100.0	100.0	100.0	100.0
Hot and cold piped running water inside structure	31,759	25,052	4,922	1,784	70.1	85.7	50.2	28.5
Only cold piped running water inside structure	5,746	3,119	1,740	887	12.7	10.7	17.8	14.2
Piped running water outside structure	1,064	560	335	169	2.3	1.9	3.4	2.7
No piped running water	6,720	509	2,802	3,409	14.8	1.7	28.6	54.6
Not reported	695	329	257	109				
CONDITION AND PLUMBING FACILITIES								
Number reporting	44,502	28,763	9,605	6,135	100.0	100.0	100.0	100.0
Not dilapidated:								
With private toilet and bath, and hot running water [1]	28,102	22,371	4,301	1,431	63.1	77.8	44.8	23.3
With private toilet and bath, and only cold water [1]	1,435	935	373	128	3.2	3.2	3.9	2.1
With running water, lacking private toilet or bath	5,491	3,034	1,537	921	12.3	10.5	16.0	15.0
No running water [2]	5,133	569	2,104	2,460	11.5	2.0	21.9	40.1
Dilapidated: [3]								
With private toilet and bath, and hot running water	627	510	86	30	1.4	1.8	.9	.5
Lacking hot water, private toilet or bath	3,712	1,344	1,204	1,164	8.3	4.7	12.5	19.0
Condition or plumbing facilities not reported	1,481	806	452	223				
Occupied dwelling units	42,826	28,492	8,613	5,721				
KITCHEN SINK*								
Number reporting	42,186	28,096	8,459	5,630	100.0	100.0	100.0	100.0
With kitchen sink	35,911	26,609	6,215	3,087	85.1	94.7	73.5	54.8
No kitchen sink	6,275	1,487	2,245	2,543	14.9	5.3	26.5	45.2

[1] Units with both flush toilet and bathtub (or shower) inside structure.
[2] Includes units with only piped running water outside structure.
[3] Below generally accepted minimum standard for housing because of either deterioration or inadequate construction; and should be torn down or extensively repaired or rebuilt.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 959.—Dwelling Units—Selected Characteristics of Occupied Units: 1940 and 1950

[In thousands of dwelling units. Asterisk (*) denotes 1950 statistics based on 20-percent sample; all 1940 statistics based on complete enumeration]

Subject	1950								1940, total	
	Number				Percent distribution					
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm	Number	Percent
Occupied dwelling units	42,826	28,492	8,613	5,721					34,855	
REFRIGERATION EQUIPMENT*										
Number reporting	42,060	27,996	8,442	5,622	100.0	100.0	100.0	100.0	34,205	100.0
Mechanical	33,720	24,092	6,102	3,526	80.2	86.1	72.3	62.7	15,093	44.1
Ice	4,445	2,798	985	663	10.6	10.0	11.7	11.8	9,253	27.1
Other or none	3,894	1,106	1,355	1,433	9.3	4.0	16.1	25.5	9,859	28.8
RADIO*										
Number reporting	42,234	28,109	8,472	5,653	100.0	100.0	100.0	100.0	33,891	100.0
With radio	40,411	27,321	7,891	5,199	95.7	97.2	93.1	92.0	28,048	82.8
No radio	1,823	789	581	454	4.3	2.8	6.9	8.0	5,842	17.2
TELEVISION*										
Number reporting	42,030	27,971	8,434	5,625	100.0	100.0	100.0	100.0	(1)	(1)
With television	5,030	4,381	495	154	12.0	15.7	5.9	2.7	(1)	(1)
No television	36,999	23,589	7,939	5,471	88.0	84.3	94.1	97.3	(1)	(1)
HEATING EQUIPMENT*										
***Number reporting* heating equipment**	42,056	28,045	8,423	5,588	100.0	100.0	100.0	100.0	34,149	100.0
Central heating	21,191	17,558	2,620	1,013	50.4	62.6	31.1	18.1	14,347	42.0
Piped steam or hot water	9,890	8,922	786	183	23.5	31.8	9.3	3.3	7,428	21.8
Warm air furnace	11,301	8,637	1,834	830	26.9	30.8	21.8	14.9	6,919	20.3
Noncentral heating or not heated	20,865	10,487	5,803	4,575	49.6	37.4	68.9	81.9	19,802	58.0
Noncentral heating	20,295	10,065	5,720	4,510	48.3	35.9	67.9	80.7	(1)	(1)
Other means with flue	15,122	6,690	4,591	3,841	36.0	23.9	54.5	68.7	(1)	(1)
Other means without flue	5,173	3,375	1,129	669	12.3	12.0	13.4	12.0	(1)	(1)
Not heated	570	422	83	65	1.4	1.5	1.0	1.2	(1)	(1)
HEATING FUEL*										
Number reporting heating equipment	42,056	28,045	8,423	5,588	100.0	100.0	100.0	100.0	34,149	100.0
Central heating	21,191	17,558	2,620	1,013	50.4	62.6	31.1	18.1	14,347	42.0
Coal	9,637	7,714	1,323	599	22.9	27.5	15.7	10.7	10,903	31.9
Wood	261	87	55	120	.6	.3	.7	2.1	373	1.1
Gas									1,110	3.2
Utility gas	5,727	5,337	346	44	13.6	19.0	4.1	.8	(1)	(1)
Bottled gas	170	63	58	50	.4	.2	.7	.9	(1)	(1)
Liquid and other fuel	5,236	4,214	825	197	12.5	15.0	9.8	3.5	1,766	5.2
Liquid fuel	4,832	3,912	751	168	11.5	14.0	8.9	3.0	(1)	(1)
Other fuel	405	301	74	29	1.0	1.1	.9	.5	(1)	(1)
Not reported	160	144	12	4	.4	.5	.1	.1	195	.6
Noncentral heating	20,295	10,065	5,720	4,510	48.3	35.9	67.9	80.7	[2]19,540	57.2
Coal	4,847	2,093	1,644	1,110	11.5	7.5	19.5	19.9	7,622	22.3
Wood	3,910	531	1,262	2,117	9.3	1.9	15.0	37.9	7,362	21.6
Gas									2,728	8.0
Utility gas	5,395	4,462	781	152	12.8	15.9	9.3	2.7	(1)	(1)
Bottled gas	805	167	329	308	1.9	.6	3.9	5.5	(1)	(1)
Liquid and other fuel	5,270	2,770	1,687	812	12.5	9.9	20.0	14.5	1,757	5.1
Liquid fuel	4,629	2,451	1,480	697	11.0	8.7	17.6	12.5	(1)	(1)
Electricity	276	135	91	50	.7	.5	1.1	.9	(1)	(1)
Other fuel	365	184	115	65	.9	.7	1.4	1.2	(1)	(1)
Not reported	68	41	16	11	.2	.1	.2	.2	70	.2
Not heated	570	422	83	65	1.4	1.5	1.0	1.2	[2]263	.8
COOKING FUEL*										
Number reporting	42,100	28,014	8,449	5,637	100.0	100.0	100.0	100.0	34,342	100.0
Coal	3,295	1,614	990	691	7.8	5.8	11.7	12.3	3,962	11.5
Wood	4,160	667	1,303	2,180	9.9	2.4	15.4	38.7	8,102	23.6
Gas									16,776	48.8
Utility gas	21,710	19,897	1,560	253	51.6	71.0	18.5	4.5	(1)	(1)
Bottled gas	3,360	809	1,524	1,026	8.0	2.9	18.0	18.2	(1)	(1)
Electricity	6,295	3,447	1,949	900	15.0	12.3	23.1	16.0	1,838	5.4
Liquid and other fuel	3,168	1,492	1,096	581	7.5	5.3	13.0	10.3	3,523	10.3
Liquid fuel	2,834	1,354	982	499	6.7	4.8	11.6	8.9	(1)	(1)
Other fuel	334	138	114	82	.8	.5	1.4	1.5	(1)	(1)
None	122	88	27	6	.3	.3	.3	.1	143	.4

[1] *Not available.*

[2] Units without central heating equipment and reporting "None" for fuel were considered "Not heated."

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 960.—Dwelling Units—Electric Lighting, Toilet, and Bathing Facilities: 1940 and 1950

[In thousands of dwelling units. Asterisk (*) denotes 1950 statistics based on 20-percent sample; all 1940 statistics based on complete enumeration]

Subject	1950								1940, total	
	Number				Percent distribution				Number	Percent
	Total	Urban	Rural nonfarm	Rural farm	Total	Urban	Rural nonfarm	Rural farm		
All dwelling units	45,983	29,569	10,056	6,358					37,325	
ELECTRIC LIGHTING*										
Number reporting	45,046	29,092	9,752	6,202	100.0	100.0	100.0	100.0	36,747	100.0
With electric lights	42,359	28,734	8,808	4,818	94.0	98.8	90.3	77.7	28,915	78.7
No electric lights	2,687	358	944	1,384	6.0	1.2	9.7	22.3	7,831	21.3
TOILET FACILITIES										
Number reporting	45,261	29,204	9,803	6,254	100.0	100.0	100.0	100.0	36,770	100.0
Flush toilet inside structure, exclusive use	32,335	25,363	5,240	1,732	71.4	86.8	53.5	27.7	21,967	59.7
Flush toilet inside structure, shared	1,839	1,655	160	24	4.1	5.7	1.6	.4	1,827	5.0
Other toilet facilities (including privy)	10,157	1,994	4,063	4,100	22.4	6.8	41.4	65.6	11,957	32.5
No toilet	930	192	340	398	2.1	.7	3.5	6.4	1,018	2.8
Not reported	722	365	254	104					556	
BATHING FACILITIES										
Number reporting	44,776	28,920	9,669	6,187	100.0	100.0	100.0	100.0	36,649	100.0
Installed bathtub or shower, exclusive use	31,022	24,165	5,013	1,845	69.3	83.6	51.8	29.8	20,606	56.2
Installed bathtub or shower, shared	1,734	1,560	151	23	3.9	5.4	1.6	.4	1,723	4.7
No bathtub or shower	12,020	3,195	4,506	4,320	26.8	11.0	46.6	69.8	14,321	39.1
Not reported	1,207	649	387	171					676	

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and *Sixteenth Census Reports, Housing*, Vol. II, Part 1.

No. 961.—Dwelling Units—Value of Nonfarm Owner-Occupied Units: 1950

[In thousands of dwelling units. Value represents amount which owner-occupant estimates property (including structure and its land) would sell for under ordinary conditions and not at forced sale]

Value	Number			Percent distribution		
	Urban and rural nonfarm	Urban	Rural nonfarm	Urban and rural nonfarm	Urban	Rural nonfarm
Owner-occupied dwelling units [1]	15,878	11,160	4,718			
Number reporting	14,974	10,865	4,109	100.0	100.0	100.0
Less than $2,000	1,165	446	720	7.8	4.1	17.5
$2,000 to $2,999	857	397	460	5.7	3.7	11.2
$3,000 to $3,999	1,094	597	497	7.3	5.5	12.1
$4,000 to $4,999	1,104	696	407	7.4	6.4	9.9
$5,000 to $5,999	1,289	873	415	8.6	8.0	10.1
$6,000 to $7,499	2,114	1,613	501	14.1	14.8	12.2
$7,500 to $9,999	2,618	2,178	439	17.5	20.0	10.7
$10,000 to $14,999	2,995	2,577	418	20.0	23.7	10.2
$15,000 to $19,999	1,008	873	135	6.7	8.0	3.3
$20,000 or more	731	615	116	4.9	5.7	2.8
Not reported	905	295	610			
Median value	$7,354	$8,380	$4,878			

[1] Restricted to 1-dwelling-unit structures without business and with one dwelling unit in property.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 962.—Dwelling Units—Mortgage Status of Nonfarm Owner-Occupied Units: 1890 to 1950

[For 1940 and 1950, mortgage statistics are for owner-occupied dwelling units in 1- to 4-dwelling unit structures without business. An owner-occupied dwelling unit was reported as mortgaged if property on which it was located had an indebtedness in form of a mortgage or deed of trust, or if occupants had contract to purchase property. For 1920 and earlier, mortgage data are for owner-occupied units in all types of structures. Although types of units for which mortgage data were reported are not the same for all censuses, differences are not large enough to invalidate comparisons]

Census year	Total owner-occupied dwelling units	Reporting mortgage status	Mortgaged		Not mortgaged
			Number	Percent	
1890	2,923,671	2,923,671	809,933	27.7	2,113,738
1900	3,566,809	3,394,967	1,086,605	32.0	2,308,362
1910	5,245,380	5,109,916	1,701,062	33.3	3,408,854
1920	7,041,283	6,867,546	2,735,668	39.8	4,131,878
1930	10,549,972	(1)	(1)	(1)	(1)
1940	11,413,036	10,611,259	4,804,778	45.3	5,806,481
1950	19,801,646	17,795,844	7,825,116	44.0	9,970,728
Urban	14,376,594	13,296,133	6,429,743	48.4	6,866,390
Rural nonfarm	5,425,052	4,499,711	1,395,373	31.0	3,104,338

[1] Not available.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1.

No. 963.—Dwelling Units—Contract and Gross Monthly Rent of Nonfarm Renter-Occupied Units: 1940 and 1950

[**In thousands of dwelling units.** Contract monthly rent is rent contracted for, regardless of whether it includes furniture, heating fuel, electricity, cooking fuel, water, or other services sometimes supplied. Gross monthly rent is contract monthly rent plus reported average monthly cost of utilities (water, electricity, gas) and fuels such as wood, coal, and oil; if furniture was included in contract rent, reported estimated rent of dwelling unit without furniture was used in computation rather than contract rent]

Monthly rent	1950						1940 urban and rural nonfarm	
	Number			Percent distribution				
	Urban and rural nonfarm	Urban	Rural nonfarm	Urban and rural nonfarm	Urban	Rural nonfarm	Number	Percent
CONTRACT MONTHLY RENT								
Total dwelling units	**17,304**	**14,116**	**3,188**				**16,335**	
Number reporting	15,503	13,252	2,251	100.0	100.0	100.0	16,178	100.0
Less than $10	638	298	340	4.1	2.3	15.1	2,822	17.4
$10 to $14	990	623	367	6.4	4.7	16.3	2,280	14.1
$15 to $19	1,175	869	306	7.6	6.6	13.6	2,217	13.7
$20 to $24	1,436	1,177	259	9.3	8.9	11.5	2,013	12.4
$25 to $29	1,611	1,372	239	10.4	10.4	10.6	1,840	11.4
$30 to $39	3,178	2,854	324	20.5	21.5	14.4	2,526	15.6
$40 to $49	2,577	2,402	175	16.6	18.1	7.8	1,300	8.0
$50 to $59	1,603	1,500	103	10.3	11.3	4.6	570	3.5
$60 to $74	1,221	1,141	79	7.9	8.6	3.5	327	2.0
$75 to $99	710	674	36	4.6	5.1	1.6	164	1.0
$100 or more	363	341	22	2.3	2.6	1.0	118	.7
Rent free	1,257	555	702				(1)	(1)
Not reported	543	308	235				157	
Median rent	$35.50	$37.54	$21.67				$21.41	
GROSS MONTHLY RENT								
Total dwelling units	**17,304**	**14,116**	**3,188**				**16,335**	
Number reporting	15,190	13,007	2,182	100.0	100.0	100.0	15,144	100.0
Less than $10	227	98	130	1.5	.8	5.9	1,404	9.3
$10 to $14	444	258	186	2.9	2.0	8.5	1,614	10.7
$15 to $19	702	464	238	4.6	3.6	10.9	1,735	11.5
$20 to $24	979	725	254	6.4	5.6	11.6	1,838	12.1
$25 to $29	1,197	956	241	7.9	7.4	11.0	1,768	11.7
$30 to $39	3,123	2,696	427	20.6	20.8	19.6	3,029	20.0
$40 to $49	3,105	2,805	300	20.4	21.6	13.8	1,967	13.0
$50 to $59	2,302	2,122	179	15.2	16.3	8.2	925	6.1
$60 to $74	1,740	1,601	139	11.5	12.3	6.4	513	3.4
$75 to $99	941	881	59	6.2	6.8	2.7	228	1.5
$100 or more	429	400	28	2.8	3.1	1.3	123	.8
Rent free or not reported	2,114	1,108	1,006				[1] 1,191	
Median rent	$42.47	$44.16	$30.44				$27.28	

[1] In 1940, rent-free units were distributed according to estimated rents.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. I, Part 1, and Sixteenth Census Reports, *Housing*, Vol. II, Part 1.

No. 964.—Occupied Nonfarm Dwelling Units—Selected Characteristics by Value of Owner-Occupied Units: 1950

[In thousands of dwelling units. Data based on sample; see source for explanation of sampling variability. Value represents amount which owner-occupant estimates property (including structure and its land) would sell for under ordinary conditions and not at forced sale]

SUBJECT	Number of owner-occupied units	UNITS WITH VALUE OF—						Value not reported
		Less than $4,000	$4,000 to $5,999	$6,000 to $7,499	$7,500 to $9,999	$10,000 to $14,999	$15,000 or more	
Owner-occupied dwelling units, total[1]	15,298,250	3,032,070	2,302,720	2,058,075	2,532,395	2,901,735	1,652,495	818,760
YEAR BUILT								
1945 or later	2,869,388	541,079	307,976	316,516	541,738	686,658	349,693	125,728
1940 to 1944	1,437,771	217,982	134,886	152,542	281,370	379,552	216,074	55,365
1939 or earlier	10,685,759	2,225,560	1,834,753	1,566,409	1,683,135	1,813,582	1,070,244	492,076
Not reported	305,332	47,449	25,105	22,608	26,152	21,943	16,484	145,591
CONDITION AND PLUMBING FACILITIES								
Not dilapidated	14,224,095	2,424,905	2,198,600	2,007,195	2,488,795	2,859,215	1,624,030	621,355
With private toilet and bath, and hot running water	11,583,805	844,140	1,691,110	1,848,525	2,416,290	2,820,535	1,609,205	354,000
With private toilet and bath, and only cold water	446,480	162,825	139,645	64,010	34,925	17,505	4,940	22,630
With running water, lacking private toilet or bath	1,109,375	663,180	245,610	67,370	27,215	14,895	6,095	85,010
No running water	1,084,435	754,760	122,235	27,290	10,365	6,280	3,790	159,715
Dilapidated	747,340	534,925	71,895	26,190	17,315	13,915	8,890	74,210
With private toilet and bath, and hot running water	145,285	55,160	36,895	18,920	12,310	10,255	5,120	6,625
Lacking hot water, private toilet or bath	602,055	479,765	35,000	7,270	5,005	3,660	3,770	67,585
Condition or plumbing facilities not reported	326,815	72,240	32,225	24,690	26,285	28,605	19,575	123,195
NUMBER OF ROOMS								
3 rooms or less	1,122,445	752,865	146,090	50,960	31,905	21,110	11,715	107,800
4 and 5 rooms	6,740,975	1,547,475	1,221,950	1,026,400	1,244,120	1,130,345	272,540	298,145
6 rooms or more	7,208,400	703,250	917,135	966,950	1,237,640	1,720,040	1,354,780	208,705
Not reported	226,430	28,480	17,545	13,765	18,730	20,340	13,460	114,110
TYPE OF HOUSEHOLD								
Husband-wife families, no *nonrelatives*	11,827,060	2,138,720	1,756,165	1,619,285	2,052,890	2,384,375	1,304,005	571,620
2 persons	3,343,170	620,840	516,090	461,260	546,810	638,690	367,570	191,920
3 persons	2,887,010	464,475	413,740	402,550	541,175	617,485	318,365	129,220
4 persons	2,725,310	408,830	379,790	374,725	512,780	614,050	330,110	105,025
5 persons or more	2,871,570	644,575	446,545	380,760	452,125	514,150	287,960	145,455
Other family groups, no nonrelatives	1,566,775	401,980	262,260	211,950	231,445	239,825	125,175	94,140
1-person households	970,000	355,780	158,755	106,310	96,990	89,580	54,830	107,755
Households with nonrelatives	934,415	135,590	125,540	120,530	151,070	187,955	168,485	45,245
INCOME IN 1949[2]								
Less than $1,000	2,126,055	867,675	346,700	225,870	205,740	191,940	96,070	192,060
$1,000 to $1,999	1,596,370	629,405	285,495	187,415	166,730	146,845	60,405	120,075
$2,000 to $2,999	2,351,090	658,905	490,130	368,345	345,815	271,150	88,875	127,870
$3,000 to $3,999	2,821,300	425,280	520,170	494,420	601,835	528,000	145,755	105,930
$4,000 to $4,999	1,932,845	178,065	278,905	313,385	449,570	496,490	157,000	59,430
$5,000 to $5,999	1,294,170	78,245	147,015	179,830	285,955	395,320	172,400	35,405
$6,000 to $6,999	754,700	33,685	66,175	93,605	156,140	251,175	134,285	19,635
$7,000 to $9,999	902,185	28,050	60,460	85,275	155,415	300,505	247,880	24,600
$10,000 or more	699,560	9,930	19,185	26,840	55,040	155,945	407,935	24,685
Not reported	819,885	122,830	88,485	83,090	110,155	164,365	141,890	109,070
VALUE-INCOME RATIO[3]								
Less than 1.0	1,708,205	1,237,680	311,865	112,260	46,400			
1.0 to 1.4	2,124,965	573,355	623,960	401,975	329,340	196,335		
1.5 to 1.9	2,087,170	243,135	415,820	444,235	509,965	406,700	67,315	
2.0 to 2.9	3,066,105	241,315	326,950	496,330	798,715	917,560	285,235	
3.0 or more	3,394,220	375,565	388,785	399,840	585,665	955,455	688,910	
Not available[4]	2,917,585	361,020	235,340	203,435	262,310	425,685	611,035	818,760

[1] Restricted to 1-dwelling-unit structures without business and with 1 dwelling unit in property.
[2] Income of only primary families and individuals.
[3] Value of owner-occupied unit divided by total income in 1949 of the primary-family (or individual) owner.
[4] Ratio not computed when value or income is not reported, value is less than $100 or $99,000 or more, or income is less than $100 or $10,000 or more.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. II.

No. 965.—Occupied Nonfarm Dwelling Units—Selected Characteristics by Gross Monthly Rent of Renter-Occupied Units: 1950

[**In thousands of dwelling units.** Data based on sample; see source for explanation of sampling variability. Gross monthly rent is contract monthly rent plus reported average monthly cost of utilities (water, electricity, gas) and fuels such as wood, coal, and oil]

Subject	Number of renter-occupied units	Units with gross monthly rent of—							Rent free or not reported
		Less than $20	$20 to $29	$30 to $39	$40 to $49	$50 to $59	$60 to $74	$75 or more	
Renter-occupied units, total	16,918,760	1,339,515	2,143,660	3,039,795	3,095,855	2,218,800	1,686,480	1,324,415	2,070,240
YEAR BUILT									
1945 or later	1,336,913	68,380	107,561	154,797	144,394	125,764	175,543	347,570	212,904
1940 to 1944	1,066,078	61,352	114,943	233,964	188,121	120,219	131,819	92,695	112,960
1939 or earlier	13,807,781	1,168,786	1,857,469	2,562,389	2,660,572	1,899,311	1,315,279	832,850	1,511,125
Not reported	717,993	40,997	63,687	88,645	102,768	73,506	63,839	51,300	233,251
CONDITION AND PLUMBING FACILITIES									
Not dilapidated	14,535,805	773,765	1,672,195	2,683,170	2,872,510	2,111,220	1,625,355	1,281,955	1,515,635
With priv. toilet and bath, and hot running water	10,496,325	126,490	629,915	1,763,475	2,382,605	1,924,570	1,540,335	1,247,915	881,020
With priv. toilet and bath, and only cold water	597,570	26,095	112,270	195,945	132,995	51,060	20,610	7,285	51,310
With running water, lacking private toilet or bath	2,480,985	341,225	717,200	622,295	323,185	124,415	60,625	23,865	268,175
No running water	960,925	279,955	212,810	101,455	33,725	11,175	3,785	2,890	315,130
Dilapidated	1,854,005	522,080	409,660	289,640	163,575	67,170	32,980	18,715	350,185
With priv. toilet and bath, and hot running water	354,920	10,315	53,015	102,790	84,090	40,870	22,820	10,510	30,510
Lacking hot water, private toilet or bath	1,499,085	511,765	356,645	186,850	79,485	26,300	10,160	8,205	319,675
Condition or plumbing facilities not reported	528,950	43,670	61,805	66,985	59,770	40,410	28,145	23,745	204,420
NUMBER OF ROOMS									
3 rooms or less	7,283,200	984,675	1,293,180	1,407,365	1,243,600	753,875	482,940	285,175	832,390
4 and 5 rooms	7,108,655	296,465	709,605	1,353,305	1,465,420	1,085,040	832,850	667,570	698,400
6 rooms or more	2,261,305	45,040	123,525	258,500	367,705	365,695	359,730	362,830	378,280
Not reported	265,600	13,335	17,350	20,625	19,130	14,190	10,960	8,840	161,170
TYPE OF HOUSEHOLD									
Husband-wife families, no nonrelatives	11,866,675	706,260	1,343,505	2,163,390	2,319,070	1,703,180	1,301,790	993,625	1,335,855
2 persons	3,941,415	238,115	459,450	710,370	765,745	574,245	433,045	316,285	444,160
3 persons	3,225,955	158,445	344,710	608,295	660,840	484,165	375,900	285,240	318,360
4 persons	2,450,825	116,105	249,815	441,865	499,425	364,820	285,890	238,955	253,950
5 persons or more	2,248,480	193,595	289,530	402,860	403,060	279,950	206,955	153,145	319,385
Other family groups, no nonrelatives	1,863,980	185,875	280,190	360,540	334,235	220,705	155,785	110,645	216,005
1-person households	2,147,655	376,990	402,330	357,965	273,315	166,740	102,445	87,505	390,365
Households with nonrelatives	1,040,450	70,390	117,635	157,900	169,235	138,175	126,460	132,640	128,015
INCOME IN 1949 [1]									
Less than $1,000	2,742,485	563,475	507,975	419,130	298,355	167,060	111,730	87,770	586,990
$1,000 to $1,999	2,525,035	345,110	511,015	526,225	375,770	195,990	119,065	68,870	382,990
$2,000 to $2,999	3,446,790	219,695	519,880	798,430	730,625	432,535	261,985	124,825	358,815
$3,000 to $3,999	3,146,075	92,040	303,820	634,435	757,150	545,565	367,480	188,240	257,345
$4,000 to $4,999	1,764,165	34,035	118,705	287,695	399,520	342,795	271,695	180,200	129,479
$5,000 to $5,999	1,062,565	13,250	52,805	138,410	214,310	210,195	198,025	164,305	71,175
$6,000 to $6,999	544,540	5,785	21,225	58,380	96,335	104,365	109,410	112,845	36,195
$7,000 to $9,999	535,475	4,595	14,975	40,500	72,715	93,720	114,165	156,025	38,780
$10,000 or more	278,420	2,025	4,285	10,675	18,740	26,085	42,240	147,110	27,260
Not reported	873,210	59,455	88,885	125,915	132,335	100,490	90,685	94,225	181,220
GROSS RENT AS PERCENTAGE OF INCOME [1]									
Less than 10 percent	1,892,345	469,710	500,330	451,235	283,555	131,435	52,915	3,165	----------
10 to 14 percent	3,083,680	197,265	492,115	819,705	733,235	450,570	279,975	110,815	----------
15 to 19 percent	2,751,510	119,980	275,395	567,165	734,410	501,515	348,210	204,835	----------
20 to 29 percent	2,788,275	147,575	255,280	435,880	594,235	553,890	465,435	335,980	----------
30 percent or more	2,658,675	227,815	384,020	477,875	469,705	373,925	348,330	377,005	----------
Not available [2]	3,744,275	177,170	236,520	287,935	289,715	207,465	191,615	292,615	2,070,240

[1] Income of only primary families and individuals.
[2] Percentage not computed when unit is rent free, rent or income is not reported, rent is $999 or more, or income is less than $100 or $10,000 or more.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. II.

No. 966.—Mortgaged Residential Nonfarm Properties, by Government Insurance Status of First Mortgage: 1950

[**Numbers in thousands of properties.** Based on a sample. Data relate to residential nonfarm properties which contain dwelling units enumerated in April 1950, and on which mortgages were in existence at the time of the residential financing enumeration in August 1950. A mortgaged property consists of all structures and land given as security for a mortgage loan]

SUBJECT	TOTAL MORTGAGED PROPERTIES		PROPERTIES WITH—					
			FHA-insured first mortgage		VA-guaranteed first mortgage		Conventional first mortgage	
	Number	Average debt per property	Number	Average debt per property	Number	Average debt per property	Number	Average debt per property
Total	9,443	$4,700	1,329	$6,800	1,264	$6,000	6,850	$4,100
Owner-occupied properties	8,288	4,100	1,228	5,700	1,196	6,000	5,863	3,300
1 dwelling unit	7,052	4,100	1,179	5,700	1,033	6,000	4,840	3,200
2 to 4 dwelling units	1,236	4,200	50	6,200	163	6,400	1,023	3,700
Rental properties	1,155	9,300	100	19,500	67	5,300	987	8,500
1 dwelling unit	560	3,300	75	5,600	49	5,000	436	2,700
2 to 4 dwelling units	324	4,500	20	9,200	16	5,900	289	4,100
5 to 49 dwelling units	260	16,300	5	98,200	3	6,400	253	14,900
50 dwelling units or more	11	285,000	1	885,700	--------	--------	10	224,100

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. IV.

No. 967.—Mortgaged Residential Nonfarm Properties—Outstanding Debt and Number of Mortgages, by Holder of Mortgage: 1950

[**Money figures in millions of dollars; number of mortgages in thousands.** See headnote, table 966]

SUBJECT	Total	HOLDER OF MORTGAGE							
		Commercial bank or trust company	Mutual savings bank	Savings and loan association	Life insurance company	Mortgage company	Federal National Mortgage Association	Individual	Other
GOVERNMENT INSURANCE STATUS									
Outstanding debt, total	44,486	8,369	5,867	10,069	8,985	600	1,055	7,817	1,723
First mortgages	42,942	8,187	5,794	9,976	8,789	566	1,038	6,985	1,608
FHA insured	8,533	2,318	1,021	667	3,842	230	194	--------	253
VA guaranteed	7,501	2,149	905	2,194	1,176	117	844	5	110
Conventional	26,909	3,720	3,869	7,115	3,771	209	--------	6,980	1,245
Junior mortgages	1,544	182	73	92	196	35	17	833	116
VA guaranteed	425	102	53	40	181	19	17	1	12
Conventional	1,118	80	20	53	15	16	--------	832	104
Number of mortgages, total	10,267	2,139	898	2,754	1,287	122	162	2,503	403
First	9,443	2,019	848	2,679	1,139	98	149	2,155	356
Junior	824	120	49	75	148	24	13	348	47
TENURE AND NUMBER OF DWELLING UNITS ON PROPERTY									
Outstanding debt, total	44,486	8,369	5,867	10,069	8,985	600	1,055	7,817	1,723
Owner-occupied properties	33,755	6,995	3,262	8,878	6,140	449	983	5,967	1,079
1 dwelling unit	28,506	6,194	2,542	7,095	5,795	411	947	4,664	920
2 to 4 dwelling units	5,188	801	720	1,783	345	38	36	1,304	160
Rental properties	10,732	1,373	2,605	1,190	2,845	151	72	1,850	644
1 dwelling unit	1,858	382	139	430	300	20	53	452	82
2 to 4 dwelling units	1,474	270	169	383	171	17	12	393	59
5 to 49 dwelling units	4,222	500	1,206	349	932	65	2	894	274
50 dwelling units or more	3,178	222	1,091	28	1,442	49	4	112	229
Number of mortgages, total	10,267	2,139	898	2,754	1,287	122	162	2,503	403
Owner-occupied properties	9,007	1,903	757	2,463	1,171	109	151	2,110	343
Rental properties	1,260	236	141	291	116	13	11	393	61

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. IV.

No. 968.—Occupied Farm Dwelling Units—Percent Distribution by Condition and Plumbing Facilities, and by Year Built: 1950

[Data based on sample; see source for explanation of sampling variability]

SUBJECT	Total occupied dwelling units	OWNER			RENTER AND RENT-FREE			Nonwhite occupied units
		Total [1]	1 to 4 rooms	5 rooms or more	Total [1]	1 to 4 rooms	5 rooms or more	
Number of occupied farm dwelling units.....(thousands).....	5,660	3,702	1,021	2,606	1,958	1,002	911	664
CONDITION AND PLUMBING FACILITIES [2]								
Total reporting.....	100	100	100	100	100	100	100	100
Not dilapidated.....	83	88	76	92	73	61	85	54
All facilities.....	24	29	12	36	14	6	22	2
Some facilities.....	18	20	15	22	14	10	19	4
No facilities.....	41	39	50	34	44	45	44	48
Dilapidated.....	17	12	24	8	27	39	15	46
All or some facilities.....	2	2	2	2	2	3	2	2
No facilities.....	15	10	22	6	25	36	13	45
RUNNING WATER								
Total reporting condition and plumbing.....	100	100	100	100	100	100	100	100
With running water.....	44	51	29	60	31	19	43	7
No running water.....	56	49	71	40	69	81	57	93
With kitchen sink [3].....	14	14	12	15	13	7	19	3
No kitchen sink or not reporting sink [3].....	42	35	59	25	57	74	37	90
YEAR BUILT								
Total reporting.....	100	100	100	100	100	100	100	100
1945 or later.....	10	12	19	9	7	11	4	11
1940 to 1944.....	5	6	9	5	4	5	2	6
1930 to 1939.....	15	14	19	12	15	21	9	21
1920 to 1929.....	16	15	16	14	19	23	14	24
1919 or earlier.....	54	53	37	60	54	40	70	38

[1] Includes dwelling units for which number of rooms was not reported.
[2] Units with all plumbing facilities have all of following facilities inside structure: Private flush toilet, private bath, and hot and cold running water. Units with no facilities have no private flush toilet, no private bath, and no running water inside structure.
[3] Tabulation restricted to units with no running water inside structure.

Source: Department of Commerce, Bureau of the Census, *U. S. Census of Housing: 1950*, Vol. III.

No. 969.—Occupied Farm Dwelling Units—Year Built, Electric Lighting, and Heating Equipment by Condition and Plumbing Facilities: 1950

[Data based on sample; see source for explanation of sampling variability]

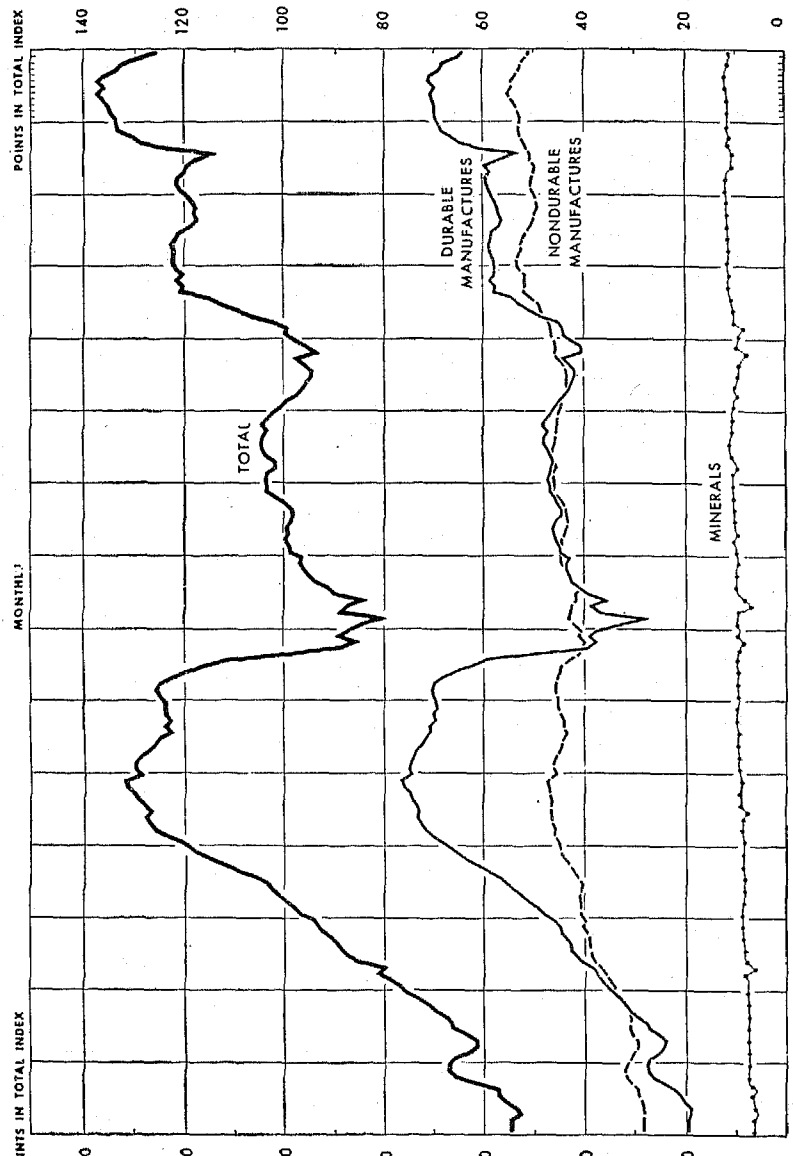
CONDITION AND PLUMBING FACILITIES [1]	ALL OCCUPIED UNITS						NONWHITE-OCCUPIED UNITS			
	Number (1,000)	Percent with—			Built in 1940 or later		Number (1,000)	Percent with—		
		Electric lights	Heating equipment		Number (1,000)	Percent of total		Electric lights	Heating equipment	
			Central	Non-central, with flue					Central	Non-central, with flue
Total [2].....	5,660	80	18	69	853	15	664	44	1	85
Not dilapidated.....	4,541	87	21	66	750	17	345	54	2	83
All facilities.....	1,319	99	49	39	237	18	12	99	23	51
Some facilities.....	983	95	20	66	138	14	23	80	4	76
No facilities.....	2,239	75	5	82	376	17	310	50	1	85
Dilapidated.....	961	53	3	83	87	9	298	32	1	85
All or some facilities.....	122	86	13	70	10	8	10	51	5	79
No facilities.....	839	48	1	85	77	9	288	31	1	86

[1] See footnote 2, table 968.
[2] Includes dwelling units for which condition or plumbing facilities were not reported.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Housing: 1950*, Vol. III.

Fig. XLVII.—Industrial Production Indexes: 1939 to 1953

[1947–49 average for total=100. Based on physical volume, adjusted for seasonal variation. See table 972]



Source: Board of Governors of the Federal Reserve System.

30. Manufactures

Census of Manufactures.—The basic source of comprehensive data on manufacturing production is the Census of Manufactures conducted by the Bureau of the Census. The first Census of Manufactures covered the year 1809 and a census was taken at 10-year intervals in connection with the Decennial Census of Population up to and including 1899, with the exception of 1829. It was conducted at 5-year intervals from 1904 through 1919, and every other year from 1921 through 1939, but was suspended during the war period. The 1947 Census of Manufactures was the first to be taken since 1939. Present legislation provides for a Census of Manufactures to cover the year 1953 and every fifth year thereafter. However, the census scheduled to be conducted in 1954 covering the year 1953 was not taken.

The 1947 Census of Manufactures covered all establishments primarily engaged in manufacturing, as defined in the 1945 revision of the Standard Industrial Classification sponsored by the Bureau of the Budget. This Census, as well as the *Annual Survey of Manufactures*, which is described below, covered operating manufacturing establishments only, omitting separate administrative offices and auxiliary units of operating establishments. Operating establishments, however, account for approximately 98 percent of total manufacturing employment. To the extent possible, this Census was conducted on an establishment basis. As a rule, the term "establishment" signifies a single plant or factory and is not necessarily identical with the business unit or company which may consist of one or more establishments. A company operating establishments at more than one location is required to submit a report for each location; also, companies engaged in distinctly different lines of activity at one location are required to submit separate reports if separate payroll and inventory records are kept for each activity. Census figures differ, therefore, from those prepared on a company basis. They also differ to some extent from other tabulations based on establishment reports, where the definition of an establishment as to location and line of activity is not so rigidly applied.

In the 1947 Census, reports were required from all establishments employing one or more persons at any time during the census year. In other recent censuses, establishments having less than $5,000 value of products were designated as outside the scope of the census. The change in the minimum size limit in 1947 as compared with 1939 has not appreciably affected the comparability of the figures for these two years, except for data on number of establishments for a few industries.

Each of the establishments covered in the census was classified in one of 458 manufacturing industries in accordance with the industry definitions embodied in the Standard Industrial Classification system. Under this system of classification, an industry is generally defined as a group of establishments producing a single product or a more or less closely related group of products. This product or group of products is in turn said to be "primary" to that industry. Accordingly, an establishment is classified in a particular industry if its production of the primary products of that industry exceeds in value its production of any other group of products. In a few instances, however, the industry classification of an establishment is determined not only by the products it makes but also by the processes employed in making those products.

While some establishments produce only the primary products of the industry in which they are classified, it rarely happens that all the establishments in an industry specialize to this extent. The statistics on employment, payrolls, value added, inventories, and expenditures, therefore, reflect not only the primary activities of the

Note.—This section presents data for the most recent year or period available on May 21, 1954, when the material was organized and sent to the printer. In a few instances, more recent data were added after that date.

establishments in that industry but also their activities of a secondary nature. For this reason the industry statistics usually cannot be directly related to statistics on the total shipments of commodities.

The Bureau of the Census is prohibited by law from publishing any statistics that disclose information reported by individual companies. Figures are, therefore, not shown for an industry or a geographic unit which is represented by only one or two companies, or by more companies when one or two companies produce a very large proportion of the combined output of all the companies. This restriction has no effect upon statistics by industry for the entire United States, or statistics for all industries within States and standard metropolitan areas. There are many instances, however, where this restriction makes it necessary to withhold figures for counties and cities, and for industries within States and areas.

Annual Survey of Manufactures.—This survey, which was conducted for the first time in 1949, carries forward, for the intercensal years, the key measures of manufacturing activity covered in detail by the quinquennial Census of Manufactures. It is designed to yield estimates of general statistics (employment, payrolls, value added by manufacture, inventories, and capital expenditures) for industry groups, important individual industries, geographic divisions, States, and important cross-tabulations of major industry groups by division and by State.

The annual survey is based on a sample of approximately 45,000 out of a total of almost 250,000 manufacturing establishments. Included are all large plants and a representative sample of the much more numerous small plants. The large plants in the survey account for approximately two-thirds of total manufacturing employment in the United States. Government-owned and -operated establishments are excluded. Employment data shown for administrative and auxiliary units are obtained from employer reports for mid-March to the Bureau of Old-Age and Survivors Insurance. Figures shown for employment in administrative and auxiliary units in 1952 actually represent 1951 data; the Bureau of Old-Age and Survivors Insurance did not tabulate 1952 figures for these units.

The annual survey estimates vary from the totals that would have been obtained from a comparable complete canvass of all manufacturing establishments. The relative magnitude of this sampling variation, expressed in percentage form, is given in the table column captioned "Standard error." The standard error should be interpreted to mean that the sample estimates will differ from complete canvass totals by *less than:* (a) the percentage shown in approximately 2 cases out of 3; (b) twice the percentage shown in approximately 19 cases out of 20; and (c) three times the percentage shown in almost every case. It should be noted that standard errors are shown only for selected items. The standard errors of other measures are shown in the source report cited.

In making any study of the trend since 1947, it is important to take account of the effect of the sampling variation on the apparent increase or decrease shown between years. In addition to sampling errors, individual figures may be subject to biases arising from undetected response or procedural errors which are not reflected in the "standard errors." In general, figures are withheld from publication in the original source volumes if (a) the standard error of the estimate exceeds 15 percent, or (b) survey estimates are inconsistent with other census series and related data. It must be noted that any estimate which can be derived by subtraction of one published figure from another may have a standard error considerably in excess of 15 percent.

The basic statistical measures of manufacturing activity, such as employment, payrolls, value added, etc., are defined in essentially the same way for the annual surveys as for the quinquennial census. Consequently, historical series shown in the following tables may be considered to be generally comparable. However, it should be pointed out that beginning with 1949, average employment was calculated from the figures reported for the pay periods ending nearest the fifteenth of March, May, August, and November, whereas for 1947 such averages were based on twelve monthly employ-

ment figures. Further, 1947 figures exclude data for central administrative offices and auxiliary establishments of manufacturing concerns, which are included in the summary statistics for later years.

Other current statistics.—Monthly, quarterly, and annual commodity surveys are also conducted by the Bureau of the Census. These data are published currently in the *Facts for Industry* series. This series also includes releases of information collected by or for the War Production Board and successor agencies during the war and reconversion periods.

Reports on current activities of industries, or current movements of individual commodities, are also compiled by trade associations and trade journals, commercial agencies, and by such governmental agencies as Bureau of Labor Statistics, Agricultural Marketing Service, Business and Defense Services Administration, Fish and Wildlife Service, Tariff Commission, and Internal Revenue Service, in addition to the Census Bureau previously mentioned.

Abbreviated balance sheet and income account data on all United States manufacturing corporations are compiled and published annually by the Internal Revenue Service from corporation income and profits tax returns and holding company returns.

Data on financial operations and intercorporate relations of manufacturing corporations are collected from time to time by the Securities and Exchange Commission, the Tariff Commission, the Federal Trade Commission, and special investigating agencies. Financial statistics for certain manufacturing industries in the form of balance sheets, profit and loss statements, analyses of sales and expenses, lists of subsidiaries, types and amounts of security issues, and selected data on the salaries paid to officers and directors, are summarized and published for the leading corporations that are registered with the Securities and Exchange Commission. The Tariff Commission publishes commodity surveys which cover economic and competitive aspects of production, distribution, and international trade in selected important industries. Each survey deals with several products which are related because of the raw materials consumed, or competitive uses. The Federal Trade Commission has made several comprehensive studies of individual industries.

Material in other sections.—In addition to the statistics presented in this section, statistics on the output and activities of manufacturers will be found in various other sections of the *Statistical Abstract*. For example, a historical summation of production and consumption of raw materials appears in section 32, Foreign Commerce (see table 1081); data on wages and hours appear in section 8, Labor Force, Employment, and Earnings; statistics on manufacturing corporations compiled from corporation income tax returns appear in section 14, Federal Government Finances and Employment, and in section 17, Business Enterprise; and statistics on lumber production in section 26, Forests and Forest Products. For page references to the commodity or industry, consult the index. For references to the important sources of statistics on manufacturing and related activities, see the listings under the appropriate subjects in the "Bibliography of Sources of Statistical Data," page 981.

Geographic coverage.—Statistics in this section relate to continental United States except as noted.

Historical statistics.—Tabular headnotes (as "See also *Historical Statistics*, series J 1–12") provide cross-references, where applicable, to *Historical Statistics of the United States, 1789–1945*. See preface.

No. 970.—Manufactures—Summary: 1849 to 1952

[Figures for 1849 to 1919 include establishments whose products were valued at $500 or more; for 1921 to 1939, establishments whose products were valued at $5,000 or more; for 1947, figures cover all establishments employing 1 or more persons at any time during year. See also *Historical Statistics*, series J 1–12]

YEAR	Number of establishments	Number of proprietors and firm members	ALL EMPLOYEES [1]		PRODUCTION WORKERS		Value added [3] ($1,000)
			Number (average for year) [2]	Salaries and wages ($1,000)	Number (average for year)	Wages ($1,000)	
Factories and hand and neighborhood industries:							
1849	123,025	(4)	(4)	(4)	957,059	236,755	463,933
1860	140,433				1,311,246	378,879	854,257
1869	252,148				2,053,996	[5] 620,467	[5] 1,395,119
1870	253,852				2,732,595	947,954	1,972,756
1889	353,864		4,586,494	2,209,058	4,120,355	1,820,854	4,102,301
1899	509,490		5,478,301	2,595,566	5,097,562	2,206,547	5,474,892
Factories, excluding hand and neighborhood industries:							
1899	204,750	(4)	4,850,019	2,258,654	4,501,919	1,892,574	4,046,981
1904	213,444	225,115	5,674,957	2,990,937	5,181,660	2,440,851	6,019,171
1909	264,810	272,421	7,012,066	4,105,470	6,261,736	3,205,213	8,160,075
1914	268,436	258,560	7,514,186	5,015,977	6,602,287	3,782,322	9,386,622
1919	270,231	249,865	9,836,801	12,426,902	8,464,916	9,664,009	23,841,624
1921	192,059	172,291	7,557,364	9,870,199	6,475,474	7,451,299	17,252,775
1923	192,096	147,958	9,474,658	12,996,460	8,194,170	10,148,624	24,569,487
1925	183,877	132,971	9,142,417	12,957,707	7,871,409	9,979,649	25,667,624
1927	187,629	132,151	9,072,052	13,123,135	7,848,070	10,099,465	26,325,394
1929	206,663	132,686	9,659,742	14,284,282	8,369,705	10,884,919	30,591,435
1931	171,450	(4)	(4)	(4)	6,163,144	6,688,541	18,600,532
1933	139,325	72,267	[6] 6,557,925	[6] 6,237,800	5,787,611	4,940,146	14,007,540
1935	167,916	81,521	8,262,295	9,564,754	7,203,794	7,311,329	18,552,553
1937	166,794	99,268	9,786,402	12,829,749	8,560,231	10,112,883	25,173,539
1939	[7] 173,802	[8] 123,655	[8] 9,527,306	[8] 12,706,102	[7] 7,808,205	[7] 8,997,515	[7] 24,487,304
1947	240,881	188,948	14,294,304	39,689,527	11,916,188	30,242,343	74,425,825
1949 [9]	(4)	(4)	[10] 13,880,050	[10] 42,752,032	11,016,301	30,253,971	75,366,527
1950 [9]	[10] 247,307	(4)	[10] 14,769,931	[10] 47,892,894	11,778,803	34,600,025	89,749,765
1951 [9]	[10] 262,000	(4)	[10] 15,612,619	[10] 55,992,091	12,508,914	40,654,832	102,085,814
1952 [9]	[10] 267,000	(4)	[10] 15,944,379	[10] 60,659,211	12,618,161	43,421,326	108,477,364

[1] Beginning 1939 includes data for employees of manufacturing establishments engaged in distribution and construction work. Extent to which data for such employees were included in figures for earlier years is not known.
[2] Data for 1949–52 based on pay periods ending nearest 15th of Mar., May, Aug., and Nov. For 1947, data represent average of 12 monthly figures; for earlier years, sum of average number of production workers for year and number of nonproduction workers reported for 1 payroll period (usually in October).
[3] Value of products less cost of materials, supplies, fuel, electricity, and contract work. For 1849–1933, cost of contract work was not subtracted from value of products in calculating value added by manufacture.
[4] Not available. [5] Reduced to gold basis. [6] Excludes data for salaried officers of corporations.
[7] *Revised on basis of retabulation* of returns to exclude data for establishments classified as nonmanufacturing in 1947. Value added by manufacture on a basis comparable with 1937 and previous years, was $24.7 billion.
[8] Number of proprietors and firm members not revised. Figures for "All employees" revised on basis of estimates rather than by retabulation of 1939 reports. (See footnote 7.)
[9] Estimates based on sample survey; see text, p. 808. For standard errors of estimates, see subsequent tables.
[10] Includes data for plants idle throughout year, administrative offices, and units auxiliary to manufacturing.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Annual Survey of Manufactures*.

No. 971.—Population, Wage Earners, and Production—Indexes: 1899 to 1947

[1899=100. See also *Historical Statistics*, series J 13 for indexes of production]

CENSUS YEAR	Population	Wage earners	Production (quantity) [1]	Production per wage earner	CENSUS YEAR	Population	Wage earners	Production (quantity) [1]	Production per wage earner
1899	100	100	100	100	1927	158	178	317	178
1904	110	115	124	108	1929	162	190	364	192
1909	121	139	158	114	1931	166	140	262	187
1914	131	147	186	127	1933	168	131	228	174
1919	140	191	222	116	1935	170	163	301	185
1921	145	147	194	132	1937	172	194	376	194
1923	149	186	280	151	1939	175	187	373	199
1925	154	178	298	167	1947	193	(2)	649	(2)

[1] Index of physical output for 1899–1939 from National Bureau of Economic Research. [2] Not available.

Source: Department of Commerce, Bureau of the Census; *1939 Census of Manufactures*, Vol. I, and records.

No. 972.—Industrial Production—Indexes, by Industry Groups: 1947 to 1953

[1947-49 average=100. Monthly data adjusted for seasonal variation. The indexes shown here constitute a basic revision of the Federal Reserve index of industrial production. For details on composition and construction of the index, see *Federal Reserve Bulletin*, December 1953. See also *Historical Statistics*, series J 30-48 and G 6-8 for indexes on 1935-39 base]

Year and month	Total	Manufactures										
		Total	Durable manufactures									
			Total	Primary metals	Fabricated metal products	Machinery	Transportation equipment	Instruments and related products	Stone, clay, and glass products	Lumber and products	Furniture and fixtures	Misc. manufactures
1947	100	100	101	103	103	103	96	100	98	101	100	100
1948	104	103	104	107	104	104	102	105	105	106	104	105
1949	97	97	95	90	93	93	102	95	97	93	96	95
1950	112	113	116	115	115	114	120	114	118	113	117	117
1951	120	121	128	126	122	130	135	128	131	113	111	120
1952	124	125	136	116	121	147	154	142	125	111	113	122
Mar.	*121*	*122*	*131*	*125*	*117*	*138*	*145*	*137*	*123*	*108*	*108*	*114*
June	118	119	125	63	113	144	152	138	124	110	112	118
Sept.	120	130	144	132	125	154	166	146	127	116	116	127
Dec.	133	135	152	135	134	161	190	164	129	115	120	135
1953	134	136	153	132	136	160	189	155	133	118	117	140
Mar.	135	137	155	136	137	163	190	155	135	121	121	138
June	136	138	154	137	139	161	188	157	134	114	122	145
Sept.	133	134	152	130	135	161	186	155	134	114	114	140
Dec.	126	127	142	113	126	146	182	154	129	110	106	136

Year and month	Manufactures—continued											Minerals, total
	Nondurable manufactures											
	Total	Textile mill products	Apparel and allied products	Rubber products	Leather and products	Paper and allied products	Printing and publishing	Chemicals and allied products	Petroleum and coal products	Food and beverage manufactures	Tobacco manufactures	
1947	99	101	97	106	106	99	93	97	97	101	99	100
1948	102	105	102	102	100	102	103	103	104	99	101	106
1949	99	94	101	92	94	98	103	101	99	100	100	94
1950	111	111	108	119	101	118	111	121	110	103	101	105
1951	114	107	105	119	94	125	118	136	122	105	107	115
1952	114	103	108	116	99	120	116	137	123	105	110	114
Mar.	*112*	*99*	*105*	*115*	*95*	*118*	*113*	*134*	*124*	*105*	*109*	*118*
June	113	101	109	114	98	116	117	135	116	106	108	106
Sept.	116	107	109	117	98	124	118	139	131	105	110	119
Dec.	118	108	114	128	104	127	119	141	128	106	114	117
1953	118	104	110	128	99	132	121	147	130	107	108	116
Mar.	119	108	112	138	103	133	120	145	128	107	116	115
June	121	111	115	130	90	134	121	150	131	106	103	119
Sept.	117	100	104	121	91	135	121	147	131	109	104	118
Dec.	112	90	101	110	93	125	120	145	128	103	112	112

Source: Board of Governors of the Federal Reserve System. Figures published monthly in *Federal Reserve Bulletin*.

No. 973.—Concentration of Employment in Manufacturing Companies, by Industry: 1950 and 1951

[Represents industries having employment of 60,000 or more in 1951; ranked in order of 1951 employment. Figures are based on *sample* and subject to sampling variation (see standard error columns). Tabulations from which data were taken were *limited* to those companies considered large in terms of employment as shown by 1947 *Census of Manufactures*. Where evidence indicated that the sample did not include companies which, in 1947, were among the largest 4 or largest 8 in an industry, the concentration ratio has been noted as not available. Moreover, there were certain companies which subsequently (1948 to 1951) qualified as large and may rank among the first 8 companies, which *may have been omitted* from the sample]

Industry [1]	1950				1951			
	Employment	Concentration ratio [2]		Standard error [4]	Employment	Concentration ratio [2]		Standard error [4]
		Largest 4 companies [3]	Largest 8 companies [3]			Largest 4 companies [3]	Largest 8 companies [3]	
	Thousands			*Percent*	*Thousands*			*Percent*
Motor vehicles and equipment	721	.59	.69	1	721	.58	.66	1
Steel works and rolling mills	504	.55	.69	1	540	.54	.68	1
Sawmills and planing mills, general	459	.04	(5)	3	424	.04	(5)	3
Cotton broad woven fabrics	344	.14	.22	2	340	.15	.24	1
Aircraft	186	.53	.73	1	312	.52	.73	1
Newspapers	267	.16	.20	3	274	.15	.20	3
Bread and other bakery products	246	.16	.24	3	258	.16	.24	4
Radios and related products	202	.21	.32	3	217	.20	.30	3
Footwear, except rubber	230	.22	.28	3	215	.23	.29	3
Meat packing, wholesale	209	.47	.59	2	214	.46	.57	3
Commercial printing	196	.09	.13	8	203	.10	.15	5
Gray-iron foundries	150	.18	.24	3	165	.16	.21	4
Paper and board exc. building	150	.15	.22	1	153	.14	.22	3
Metal stampings	140	.17	.26	3	151	.16	.24	6
Petroleum refining	139	.40	.61	1	151	.39	.60	2
Canning and preserving, except fish	129	.20	.29	4	141	.19	.28	4
Men's and boys' suits and coats	151	.13	.19	7	136	.10	.17	5
Wood house furniture, unupholstered	140	.06	.10	5	130	.07	.11	5
Dresses, unit price	138	.02	(5)	8	125	.02	(5)	8
Paperboard boxes	118	.12	.19	3	123	.12	.20	3
Motors and generators	93	.59	.68	2	117	.55	.64	2
Refrigeration machinery	123	.41	.59	3	117	.38	.55	3
Cutting tools, jigs, fixtures, etc	87	.11	.17	4	112	.11	.17	5
Ship building and repairing	75	.53	.63	4	108	.44	.56	4
Aircraft engines	68	.54	.79	2	107	.55	.81	3
Rayon and related broad woven fabrics	96	.26	.34	3	106	.25	.34	6
Woolen and worsted fabrics	113	.29	.41	3	98	.26	.37	4
Men's dress shirts and nightwear	87	.17	.25	4	97	.14	.22	6
Tractors	79	.76	.90	1	95	.77	.91	1
Structural and ornamental products	91	.20	.23	3	94	.19	.24	4
Tires and inner tubes	90	.78	.90	1	92	.77	.89	1
Farm machinery (exc. tractors)	87	.45	.57	4	91	.45	.58	4
Construction and mining machinery	70	.16	.26	4	86	.17	.28	5
Bottled soft drinks	95	(5)	(5)	4	84	(5)	(5)	5
Machine tools	55	.25	.38	4	84	.23	.36	9
Yarn mills, cotton system	84	.12	.20	2	84	.13	.21	2
Malt liquors	81	.19	.30	3	82	.21	.33	4
Valves and fittings (exc. plumbers')	70	.21	.31	4	82	.26	.34	3
Finishing textiles, except wool	89	.12	.20	2	81	.12	.21	4
Electrical control apparatus	65	.38	.57	4	75	.44	.59	3
Full-fashioned hosiery mills	77	.16	.25	4	76	.16	.24	7
Machine shops	52	.12	.17	5	75	.10	.15	7
Synthetic fibers	72	.76	.94	1	73	.79	.97	1
Steel foundries	52	.23	.35	4	73	.26	.37	4
Millwork plants	74	.07	.12	5	73	.08	.12	5
Nonferrous foundries	66	.22	.31	2	71	.23	.31	3
Pharmaceutical preparations	(5)	(5)	(5)	(5)	68	.25	.37	7
Confectionery products	81	.12	.20	6	67	.12	.21	5
Concrete products	61	(5)	(5)	6	65	(5)	(5)	10
Boiler shop products	63	.19	.25	3	65	.22	.29	6
Electronic tubes	47	.64	.83	1	63	.68	.84	3
Mechanical measuring instruments	60	.30	.43	3	63	.33	.46	3
Ball and roller bearings	48	.63	.79	4	60	.60	.78	5

[1] Represents only the "4-digit" (Standard Industrial Classification) industries appearing in the 1950 and 1951 *Annual Survey of Manufactures;* excludes "residual" (usually referred to as "not elsewhere classified") industries.
[2] Employment of 4 largest companies (or 8 largest companies) divided by total employment of the industry.
[3] Employment data originally collected on the basis of "establishments" have been summarized into company totals. Company affiliations of the "establishments" are based on Census records. Largest company ranking is determined by each company's total number of employees *in the specified industry.*
[4] See text, p. 808, for explanation of standard error. [5] Not available.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures.*

No. 974.—Proportion of Output Concentrated in Largest Manufacturing Companies: 1947 and 1935

[Represents industries having shipments of one billion dollars and over; arrayed in order of value of shipments in 1947. Although industry classifications have changed considerably since the 1935 Census, direct comparisons are possible between 1947 and 1935 concentrations for 10 industries shown]

Industry	1947						1935 concentration ratios	
			Concentration ratios					
	Number of companies	Value of shipments ($1,000)	First 4 companies	First 8 companies	First 20 companies	First 50 companies	First 4 companies	First 8 companies
Motor vehicles and parts	779	[1] 3,577,404	55.7	63.6	77.8	88.5	----	----
Meat packing, wholesale	1,999	[1] 970,995	41.3	53.6	62.5	68.8	----	----
Steel works and rolling mills	111	[1] 2,275,997	44.7	62.8	81.1	94.2	----	----
Petroleum refining	277	6,623,708	37.3	58.8	82.7	91.7	38.2	58.9
Cotton broad woven fabrics	422	3,294,623	13.1	22.2	40.4	63.2	----	----
Paper and board mills	453	2,812,048	15.6	23.7	36.5	56.4	----	----
Sawmills and planing mills, general	19,223	2,526,927	5.4	7.2	11.0	17.9	----	----
Flour and meal	1,084	2,511,543	29.0	40.6	56.7	72.2	29.4	37.0
Bread and other bakery products	5,985	2,416,891	16.4	25.9	36.3	45.9	----	----
Prepared animal feeds	2,372	2,130,263	18.8	26.7	39.8	53.3	23.0	34.3
Newspapers	8,115	1,917,302	20.9	26.0	35.6	49.0	----	----
Footwear, except rubber	1,077	1,716,980	27.9	34.7	45.0	55.3	----	----
Blast furnaces	33	1,713,945	67.3	82.1	95.5	----	66.0	82.8
Canning and preserving, except fish	1,856	1,640,754	26.7	34.9	45.5	57.6	----	----
Prepared meats	941	[1] 235,537	29.5	39.6	49.6	62.5	----	----
Tires and inner tubes	35	1,547,040	76.6	89.6	99.3	----	80.9	90.4
Radios and related products	799	[1] 773,233	25.6	36.3	54.4	73.0	----	----
Commercial printing	11,810	1,521,655	9.1	13.4	20.3	28.7	----	----
Paperboard boxes	1,323	1,475,438	17.9	27.4	40.7	56.6	14.1	20.7
Organic chemicals, n. e. c	188	1,445,210	47.0	64.4	86.4	95.8	----	----
Men's and boys' suits and coats	1,761	1,411,575	8.8	15.3	26.1	39.9	----	----
Refrigeration machinery	542	[1] 597,486	39.1	54.5	71.6	84.1	----	----
Woolen and worsted fabrics	427	1,355,209	28.1	40.4	56.0	71.7	----	----
Dresses, unit price	4,165	1,353,068	2.6	4.7	9.3	16.9	----	----
Malt liquors	404	1,317,854	21.4	30.0	43.8	64.0	11.8	17.7
Food preparations, n. e. c	1,801	1,312,466	31.8	40.8	52.8	64.8	----	----
Paints and varnishes	1,154	1,248,841	27.3	35.7	48.2	60.9	----	----
Gray-iron foundries	1,554	1,172,671	16.3	23.6	35.3	48.1	----	----
Metal stampings	1,954	1,164,299	17.4	25.3	37.1	51.5	----	----
Heating and cooking apparatus, n. e. c	792	1,134,095	11.7	20.2	37.1	57.4	----	----
Cigarettes	19	1,131,891	90.4	99.7	----	----	89.7	99.4
Soap and glycerin	223	1,085,789	79.0	85.9	92.7	97.1	73.5	83.1
Periodicals	2,106	1,085,616	34.3	43.1	57.7	71.0	----	----
Leather tanning and finishing	500	1,070,085	26.5	38.6	55.1	74.7	22.5	34.3
Copper rolling and drawing	56	1,063,058	60.1	76.5	92.2	100.0	----	----
Motors and generators	224	1,007,186	58.6	66.0	80.4	93.0	----	----
Women's suits and coats	2,464	1,003,755	4.8	7.9	15.4	26.5	----	----
Rayon and related broad woven fabrics	432	1,002,923	30.7	39.3	56.0	76.4	----	----

[1] Value added by manufacture; value of shipments not used for concentration ratios because of excessive duplication in these industries owing to the fact that the products of some establishments of this industry are used as materials by other establishments also classified in this industry. Rank determined by value of shipments, however.

Source: Department of Commerce. Letter from Secretary of Commerce to Chairman, House of Representatives Subcommittee on Study of Monopoly Power (Celler Committee), with attachments (processed), Dec. 1, 1949. Based on 1947 Census of Manufactures.

No. 975.—Indexes of Output of Major Consumer Durable Goods: 1947 to 1953

[1947–49=100. For description of series, see *Federal Reserve Bulletin*, Oct. 1951, pp. 1235–1240]

TYPE OF GOODS	1947	1948	1949	1950	1951	1952	1953
Total	91	99	110	153	123	108	137
Passenger automobiles	85	93	122	160	128	103	146
Household goods	97	106	96	146	117	113	128
Carpets	92	114	94	111	78	80	86
Furniture	103	105	92	117	107	111	116
Major appliances	96	114	90	136	109	93	108
Cooking stoves	103	119	78	122	100	75	91
Electric	93	125	82	141	120	76	107
Nonelectric	109	115	76	111	88	75	81
Driers	70	104	127	384	588	740	838
Freezers	103	116	82	151	184	182	192
Ironers	131	103	67	89	61	45	51
Refrigerators	83	114	103	150	102	78	90
Vacuum cleaners	114	100	86	106	82	85	83
Washing machines	101	114	85	128	106	101	126
Radio and television	92	91	118	239	172	169	210
Radio sets	130	101	69	81	67	44	56
Television sets	13	70	218	563	390	427	530

Source: Board of Governors of the Federal Reserve System, published currently in *Federal Reserve Bulletin*.

No. 976.—Cost of Fuels Consumed and Purchased Electric Energy, for Major Industry Groups: 1950 and 1952

[**All figures in thousands of dollars.** Excludes value of fuels and electric energy produced and consumed in the same establishment; also excludes *cost of fuels used as raw materials*, such as coal used in making coke. Figures based on sample and subject to sampling variation. Standard errors for figures generally range from 1 to 10 percent. See p. 808 for explanation of standard error]

INDUSTRY GROUP	1950			1952		
	Total	Cost of fuels consumed [1]	Cost of purchased electric energy	Total	Cost of fuels consumed [1]	Cost of purchased electric energy
All industries, total for manufacturing establishments	4,184,578	2,924,396	1,260,182	4,809,592	3,260,684	1,548,908
Food and kindred products	336,939	196,779	140,160	363,259	208,284	154,975
Tobacco manufactures	7,544	4,859	2,685	7,817	4,677	3,140
Textile mill products	202,577	95,616	106,961	215,406	97,105	118,301
Apparel and related products	41,954	13,303	28,651	62,079	24,857	37,222
Lumber and products (except furniture)	103,891	67,120	36,771	145,713	89,133	56,580
Furniture and fixtures	26,216	11,915	14,301	35,767	15,451	20,316
Paper and allied products	238,574	175,395	63,179	257,468	185,607	71,861
Printing and publishing industries	48,778	17,118	31,660	72,933	26,666	46,267
Chemical and allied products	371,689	250,637	121,052	429,227	279,139	150,088
Petroleum and coal products	143,267	106,964	36,303	196,595	151,917	44,678
Rubber products	52,389	23,550	28,839	57,185	25,662	31,523
Leather and leather products	26,115	15,533	10,582	27,217	14,643	12,574
Stone, clay and glass products	313,648	237,035	76,613	359,797	267,237	92,560
Primary metal industries	1,673,327	1,419,957	253,370	1,813,579	1,513,879	299,700
Fabricated metal products	134,009	64,613	69,396	172,015	83,872	88,143
Machinery (except electrical)	168,969	86,108	82,861	206,568	97,804	108,764
Electrical machinery	78,287	33,473	44,814	97,207	39,294	57,913
Transportation equipment	155,233	77,410	77,823	195,084	89,377	105,707
Instruments and related products	16,781	8,104	8,677	21,822	10,145	11,677
Miscellaneous manufactures	44,391	18,907	25,484	72,854	30,935	41,919

[1] Includes all purchased fuel used for power and heat, such as anthracite and bituminous coal, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and wood.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures*.

No. 977.—Manufactures—General Statistics, by Major Industry Groups: 1947, 1950, and 1952

[See text, p. 807. 1950 and 1952 figures based on sample and subject to sampling variation]

Major industry group	1947					
	Number of establishments	All employees		Production workers		Value added by manufacture ($1,000)[1]
		Number (average for the year)	Salaries and wages, total ($1,000)	Number (average for the year)	Wages, total ($1,000)	
All industries	240,881	14,294,304	39,689,527	11,916,188	30,242,343	74,425,825
Food and kindred products	39,933	1,441,847	3,789,387	1,099,478	2,572,190	9,024,912
Tobacco manufactures	1,086	111,782	205,838	103,289	175,318	641,356
Textile mill products	8,185	1,233,431	2,836,166	1,147,194	2,449,312	5,340,876
Apparel and related products	30,960	1,081,844	2,527,499	972,897	2,015,220	4,443,373
Lumber and products (exc. furniture)[2]	26,231	635,708	1,337,612	596,118	1,179,981	2,497,192
Furniture and fixtures	7,087	322,384	824,061	282,780	653,915	1,377,908
Paper and allied products	4,103	449,833	1,280,672	388,901	1,010,972	2,874,958
Printing and publishing industries	28,986	715,460	2,277,263	438,135	1,318,285	4,260,416
Chemicals and allied products	10,073	632,319	1,910,463	466,458	1,242,628	5,305,201
Petroleum and coal products	1,387	212,003	739,345	169,610	556,365	2,015,307
Rubber products	875	259,002	783,464	214,533	614,762	1,302,863
Leather and leather products	5,808	383,175	873,566	348,529	725,143	1,532,803
Stone, clay, and glass products	11,650	462,072	1,210,768	405,755	994,884	2,306,480
Primary metal industries	5,363	1,157,124	3,594,548	1,010,055	2,976,507	5,765,434
Fabricated metal products	16,734	971,461	2,832,835	822,514	2,188,581	4,921,476
Machinery (except electrical)	17,906	1,545,323	4,804,563	1,244,135	3,692,771	7,812,455
Electrical machinery	3,973	801,359	2,271,030	639,147	1,647,401	3,894,115
Transportation equipment	3,711	1,181,680	3,719,583	987,142	2,939,815	5,869,196
Instruments and related products	2,599	231,997	665,347	181,939	467,786	1,080,336
Miscellaneous manufactures[3]	14,131	464,420	1,205,508	397,579	920,503	2,090,168

Major industry group	1950		1952					Standard error (percent)[4]	
	All employees (average for the year)	Value added by manufacture ($1,000)[1]	All employees		Production workers		Value added by manufacture[1]		
			Number (average for the year)	Salaries and wages, total	Number (average for the year)	Wages, total		1950	1952
All industries	14,769,931	89,749,765	15,944,379	60,659,211	12,618,161	43,421,326	108,477,964	1	1
Food and kindred products	1,492,960	10,104,316	1,479,583	5,097,690	1,075,104	3,312,530	11,340,145	1	2
Tobacco manufactures	92,561	806,718	93,175	240,732	85,461	201,679	867,590	2	3
Textile mill products	1,245,152	5,642,106	1,134,680	3,342,647	1,036,729	2,823,416	5,256,507	2	2
Apparel and related products	1,150,624	4,175,974	1,142,655	3,079,050	1,018,354	2,403,660	4,849,336	3	3
Lumber and products (exc. furniture)[2]	759,499	3,165,760	742,705	2,071,546	686,758	1,786,324	3,449,260	3	3
Furniture and fixtures	345,912	1,666,898	331,661	1,122,754	284,527	853,440	1,904,405	1	4
Paper and allied products	477,752	3,437,715	482,734	1,879,321	402,312	1,426,501	3,890,003	3	2
Printing and publishing industries	762,716	4,906,834	772,801	3,267,367	471,348	1,908,702	5,660,124	1	3
Chemicals and allied products	642,469	7,235,618	698,071	2,940,210	484,305	1,790,393	8,266,761	2	2
Petroleum and coal products	207,510	2,138,570	220,227	1,035,721	170,260	751,099	2,618,927	2	2
Rubber products	238,671	1,619,927	255,079	1,042,166	205,866	785,548	1,744,141	1	2
Leather and leather products	385,123	1,498,811	361,373	1,015,535	324,008	834,103	1,597,377	3	3
Stone, clay, and glass products	490,568	3,138,263	510,353	1,841,507	435,680	1,456,600	3,531,294	2	3
Primary metal industries	1,129,040	7,950,990	1,239,570	5,211,485	1,064,932	4,201,841	9,045,495	1	1
Fabricated metal products	988,783	6,210,759	1,007,589	4,124,226	820,088	3,036,801	7,168,308	1	2
Machinery (except electrical)	1,367,882	8,764,652	1,650,533	7,378,875	1,283,473	5,351,155	12,805,556	1	2
Electrical machinery	765,613	4,815,364	956,337	3,745,514	739,724	2,625,273	6,868,847	1	2
Transportation equipment	1,218,417	8,546,828	1,635,270	7,350,537	1,306,120	5,532,830	11,924,276	1	1
Instruments and related products	226,375	1,388,930	273,936	1,158,631	202,490	765,257	1,958,071	3	2
Miscellaneous manufactures[3]	488,324	2,534,332	627,675	2,171,121	520,622	1,574,174	3,730,941	3	7
Administrative and auxiliary	302,980	----	328,372	1,542,576	----	----	----	----	----

[1] Value of products shipped less cost of materials, supplies, fuels, electric energy, and contract work.
[2] Excludes logging industry and small sawmills for 1947.
[3] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."
[4] *See text, p. 808, for explanation of standard error.* Refers to columns "All employees—Number (average for the year)"; standard errors for other columns usually of same magnitude.

Source: Department of Commerce, Bureau of the Census; *Census of Manufactures: 1947*, Vol. II, and *Annual Survey of Manufactures*.

No. 978.—Manufactures—Selected Statistics, by Size of Establishment, for Major Industry Groups: 1952

[**Value added figures in thousands of dollars.** See text, p. 808. *Figures are based on sample and subject to sampling variation* (see standard error columns). Figures for value added by manufacture derived by subtracting from total value of products the cost of materials, supplies, containers, fuel, purchased electric energy and contract work. Each manufacturing establishment is classified in this table according to its employment *size, irrespective of size of company* owning it. Each company covered in *Annual Survey of Manufactures* is required to submit a separate report for each of its manufacturing establishments. For purposes of the *Annual Survey* (as well as the Census of Manufactures), an establishment is defined as a single physical location where industrial operations are performed; for example, a factory, mill, or plant. Where a single physical location comprises 2 or more units engaged in separate industrial activities (and for which separate reports can be prepared), each unit is usually reported as a *separate establishment*]

Major industry group and item	All establishments	Establishments with average employment of—					Standard error (percent) [1]		
		1–249 employees	250–499 employees	500–999 employees	1,000–2,499 employees	2,500 employees and more			
	A	B	C	D	E	F	A	B	C
All industries, total:									
Number of establishments	267,000	255,396	6,305	3,036	[2] 1,574	587	2	2	2
All employees	15,944,379	6,085,376	2,194,133	2,094,297	[2] 2,385,009	3,185,564	1	2	2
Value added by manufacture	$108,477,364	$37,478,008	$14,711,082	$14,869,889	[2]$17,770,666	$23,647,719	1	2	2
Food and kindred products:									
Number of establishments	36,829	35,818	646	250	[3] 91	24	4	6	6
All employees	1,479,583	856,296	218,289	170,993	[3] 138,152	95,853	2	5	5
Value added by manufacture	$11,340,145	$6,083,606	$1,701,675	$1,550,344	[3]$1,174,334	$830,186	2	5	5
Tobacco manufactures:									
Number of establishments	(4)	(4)	52	20	21	1	----	----	10
All employees	93,175	18,551	18,288	14,004	[5] 42,332	(5)	3	15	8
Value added by manufacture	$867,590	$95,348	$103,620	$76,898	[5] $591,724	(5)	2	20	5
Textile mill products:									
Number of establishments	7,584	6,377	637	387	[6] 162	21	6	7	4
All employees	1,134,080	332,081	221,972	265,510	[6] 233,539	81,578	2	15	3
Value added by manufacture	$5,256,507	$1,573,202	$1,030,873	$1,217,043	[6]$1,078,929	$355,860	2	15	4
Apparel and related products:									
Number of establishments	28,979	28,211	588	146	30	4	7	5	8
All employees	1,142,655	792,926	198,769	94,072	42,567	14,321	3	9	7
Value added by manufacture	$4,849,336	$3,497,522	$713,088	$374,191	$184,028	$80,507	4	7	7
Lumber and products (except furniture):									
Number of establishments	(4)	49,556	243	69	[7] 12	1	----	5	5
All employees	742,705	595,054	82,452	46,536	[5 7] 18,663	(5)	3	4	4
Value added by manufacture	$3,449,260	$2,603,416	$440,951	$262,882	[5 7] $142,011	(5)	3	4	4
Furniture and fixtures:									
Number of establishments	8,778	8,539	155	62	20	2	6	10	9
All employees	331,661	201,619	52,003	41,357	[5] 35,782	(5)	4	7	8
Value added by manufacture	$1,904,405	$1,113,217	$304,976	$258,208	[5] $228,004	(5)	4	7	6
Paper and allied products:									
Number of establishments	4,334	3,819	332	144	38	1	4	10	3
All employees	482,734	214,209	114,489	97,206	[5] 56,830	(5)	2	5	3
Value added by manufacture	$3,890,003	$1,495,403	$996,655	$929,151	[5] $468,794	(5)	2	4	3
Printing and publishing industries:									
Number of establishments	30,147	29,683	258	122	72	12	6	10	15
All employees	772,801	445,325	88,618	86,807	106,423	45,628	3	7	9
Value added by manufacture	$5,660,124	$3,043,234	$663,356	$693,848	$883,077	$376,609	3	7	9
Chemicals and allied products:									
Number of establishments	11,007	10,515	261	121	77	33	6	8	4
All employees	698,071	268,526	91,492	86,849	120,086	131,118	2	4	4
Value added by manufacture	$8,266,761	$2,603,703	$1,288,599	$1,105,174	$1,572,681	$1,701,604	2	5	3
Petroleum and coal products:									
Number of establishments	1,024	(4)	87	54	28	14	30	----	4
All employees	220,227	45,061	32,848	36,354	42,443	63,521	2	15	5
Value added by manufacture	$2,618,927	$524,567	$359,510	$488,754	$498,384	$747,712	2	9	5
Rubber products:									
Number of establishments	730	(4)	71	48	34	21	30	----	20
All employees	255,079	29,687	24,519	35,931	50,174	114,768	2	20	15
Value added by manufacture	$1,744,141	$199,101	$160,067	$223,749	$367,811	$803,413	2	20	15
Leather and leather products:									
Number of establishments	5,012	4,541	359	98	13	1	9	15	7
All employees	361,373	151,815	124,624	63,897	[5] 21,040	(5)	2	8	7
Value added by manufacture	$1,597,377	$660,099	$552,529	$288,250	[5] $96,499	(5)	2	8	6
Stone, clay, and glass products:									
Number of establishments	10,435	10,023	263	95	46	8	10	15	9
All employees	510,353	258,126	91,047	65,536	67,150	28,494	3	8	8
Value added by manufacture	$3,531,294	$1,685,412	$659,592	$493,776	$509,566	$182,948	3	7	6

See footnotes at end of table.

No. 978.—Manufactures—Selected Statistics, by Size of Establishment, for Major Industry Groups: 1952—Continued

[Value added figures in thousands of dollars]

Major industry group and item	All establishments	Establishments with average employment of—					Standard error (percent) [1]		
		1–249 employees	250–499 employees	500–999 employees	1,000–2,499 employees	2,500 employees and more			
	A	B	C	D	E	F	A	B	C
Primary metal industries:									
Number of establishments	5,500	4,621	401	228	165	85	5	9	4
All employees	1,239,570	197,990	144,764	160,457	259,645	476,714	1	6	4
Value added by manufacture	$3,045,495	$1,441,893	$1,189,810	$1,271,779	$2,058,868	$3,083,145	1	5	3
Fabricated metal products:									
Number of establishments	17,953	17,157	445	235	[3] 96	20	5	5	4
All employees	1,007,589	471,402	155,872	162,216	[3] 142,513	75,587	2	5	4
Value added by manufacture	$7,168,308	$3,348,949	$1,146,295	$1,186,217	[3] $961,007	$526,840	2	4	4
Machinery (except electrical):									
Number of establishments	20,336	19,097	612	314	230	83	5	5	5
All employees	1,650,553	470,567	215,969	220,769	353,857	389,371	2	4	5
Value added by manufacture	$12,805,566	$3,712,089	$1,676,300	$1,702,967	$2,688,321	$3,025,879	2	4	5
Electrical machinery:									
Number of establishments	4,421	3,723	295	195	135	73	7	10	15
All employees	956,337	150,795	104,867	138,126	205,174	357,435	2	7	10
Value added by manufacture	$6,868,847	$1,053,283	$666,700	$1,033,124	$1,415,355	$2,700,385	2	7	8
Transportation equipment:									
Number of establishments	8,610	2,966	168	171	[9] 167	138	10	7	10
All employees	1,635,270	104,540	62,412	118,572	[9] 264,437	1,085,309	1	7	10
Value added by manufacture	$11,924,276	$690,053	$424,302	$886,003	[9] $2,144,042	$7,779,276	1	8	15
Instruments and related products:									
Number of establishments	*2,835*	*2,648*	*82*	*55*	*32*	*18*	*7*	*15*	*9*
All employees	273,936	64,278	28,529	37,898	47,936	95,295	2	8	9
Value added by manufacture	$1,958,071	$425,430	$217,430	$274,562	$320,407	$720,242	2	8	9
Miscellaneous manufactures: [10]									
Number of establishments	14,572	14,169	198	120	60	16	8	8	7
All employees	627,675	317,206	69,654	86,097	92,646	62,162	7	15	6
Value added by manufacture	$3,730,941	$1,628,481	$430,754	$552,369	$646,159	$474,178	4	8	6
Administrative and auxiliary:									
Number of establishments	2,262	1,961	152	93	45	11	----	----	----
All employees	328,372	99,322	51,819	65,201	67,790	44,240	----	----	----

[1] See text, p. 808, for explanation of standard error. Standard errors for column D are: 5 percent or less for food and kindred products, textile mill products, apparel and related products, chemicals and allied products, primary metal industries, fabricated metal products, machinery (except electrical); and from 5 to 15 percent for furniture and fixtures, leather and leather products, instruments and related products, miscellaneous manufactures. Other estimates in columns D, E, and F, unless otherwise indicated, are based on reports from all establishments known to be in appropriate size classification.

[2] Standard error 1 percent.

[3] Standard error 3 percent for "Number of establishments" and "Value added," and 2 percent for "All employees."

[4] Withheld because estimate did not meet publication standards. See text, p. 808.

[5] Data for any size class which cannot be shown without disclosing information for individual companies have been combined with figures for adjacent size class.

[6] Standard error 4 percent for "Number of establishments" and "All employees," and 5 percent for "Value added."

[7] Standard error 20 percent for "Number of establishments," 15 percent for "All employees," and 30 percent for "Value added."

[8] Standard error 6 percent for "Number of establishments," 5 percent for "All employees," and 4 percent for "Value added."

[9] Standard error 2 percent for "Number of establishments" and 1 percent for "All employees," and "Value added."

[10] Includes privately owned and/or operated establishments engaged primarily in manufacture of ordnance and accessories.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures: 1952.*

No. 979.—Manufactures—General Statistics for Industry Groups: 1947 and 1952

[See text, p. 807. 1952 figures based on sample and subject to sampling variation]

Industry group	1947			1952				
				All employees				
	Number of establishments	All employees (average for the year)	Value added by manufacture ($1,000) [1]	Number (average for the year)	Salaries and wages, total ($1,000)	Number of production workers (average for the year)	Value added by manufacture ($1,000) [1]	Standard error (percent) [2]
All industries, total	240,881	14,294,304	74,425,825	15,944,379	60,659,211	12,618,161	108,477,364	1
Food and kindred products	39,933	1,441,847	9,024,912	1,479,583	5,097,690	1,075,104	11,340,145	2
Meat products	3,974	274,441	1,280,692	302,528	1,138,148	239,137	1,890,130	3
Dairy products	5,423	92,693	595,168	96,207	305,423	65,019	743,537	6
Canning, preserving, and freezing	3,826	201,627	916,621	210,990	661,886	185,214	1,265,431	5
Grain-mill products	4,206	113,217	1,001,692	117,692	431,537	87,566	1,282,179	6
Bakery products	7,123	279,368	1,365,809	313,790	1,094,459	197,235	1,965,075	4
Sugar	181	35,423	233,869	31,477	110,883	26,764	261,609	3
Confectionery and related products	1,754	91,710	587,005	83,346	252,631	67,074	557,952	6
Beverages	6,755	202,574	1,859,914	195,093	764,060	119,396	2,055,232	4
Miscellaneous food preparations	6,691	150,794	1,193,082	128,460	438,663	87,699	1,318,910	5
Tobacco manufactures	1,086	111,782	641,356	93,175	240,732	85,461	867,590	3
Cigarettes	28	27,674	368,417	29,342	90,921	26,689	543,596	1
Cigars	822	47,068	143,145	40,165	88,112	37,976	163,574	4
Chewing and smoking tobacco	73	11,139	57,571	7,764	21,844	6,666	77,025	3
Tobacco stemming and redrying	163	25,901	72,223	15,904	39,855	14,130	83,395	8
Textile mill products	8,185	1,233,431	5,340,876	1,134,680	3,342,647	1,036,729	5,256,507	2
Woolen and worsted manufactures	828	180,054	803,592	124,661	454,051	112,945	710,634	4
Yarn and thread mills, except wool	658	123,599	447,110	110,889	270,518	104,309	431,651	3
Cotton and rayon broad woven fabrics	1,109	455,009	2,050,384	420,372	1,146,953	396,863	1,712,354	2
Narrow fabric mills	479	27,662	108,201	23,465	74,086	20,487	110,775	15
Knitting mills	3,126	230,527	854,596	236,840	622,120	213,470	1,005,108	4
Finishing textiles, except wool	641	77,985	359,270	83,185	297,402	72,697	456,123	4
Carpets and rugs	296	57,211	331,314	52,883	188,972	45,614	319,254	6
Hats (except cloth and millinery)	271	21,428	92,040	18,556	60,412	16,029	91,123	15
Miscellaneous textile goods	777	59,956	294,369	63,829	228,133	54,315	413,485	5
Apparel and related products [3]	30,960	1,081,844	4,443,373	1,142,655	3,079,050	1,018,354	4,849,336	3
Men's and boys' suits and coats	1,960	150,369	674,243	128,849	382,490	114,643	563,625	5
Men's and boys' furnishings	4,026	253,436	803,911	301,441	664,720	278,309	982,147	6
Women's and misses' outerwear	10,085	313,402	1,427,891	324,901	956,099	286,895	1,519,682	6
Women's and children's undergarments	2,051	94,558	387,974	97,968	268,563	85,092	454,404	8
Millinery	932	20,893	100,723	18,180	61,787	15,352	97,769	15
Children's outerwear	1,687	48,136	178,265	61,061	167,647	54,287	264,464	10
Fur goods	2,229	16,190	122,821	(4)	(4)	(4)	(4)	
Misc. apparel and accessories	1,727	57,229	215,019	55,301	141,033	48,647	216,343	8
Misc. fabricated textiles	6,284	127,631	532,526	144,300	389,535	126,240	681,576	7
Lumber and products (except furniture)	26,231	635,708	2,497,192	742,705	2,071,546	686,758	3,449,260	3
Logging camps and logging contractors	(5)	(5)	(5)	73,863	207,915	70,953	384,063	8
Lumber and timber basic products [6]	19,685	406,815	1,560,476	430,585	1,092,023	404,380	1,870,943	4
Millwork and related products	2,681	94,275	442,746	116,157	431,441	100,177	649,453	6
Wooden containers	1,516	69,104	233,453	55,498	142,346	51,193	214,751	5
Miscellaneous wood products	2,349	65,514	260,517	66,602	197,821	60,055	330,050	10
Furniture and fixtures [3]	7,687	322,384	1,377,908	331,661	1,122,754	284,527	1,904,405	4
Household furniture	4,880	228,946	933,467	239,924	782,031	209,217	1,311,622	4
Office furniture	218	21,292	107,711	23,481	93,465	19,822	182,980	4
Public and professional furniture	195	14,410	65,098	16,414	65,295	13,236	114,274	30
Partitions and fixtures	1,134	27,678	136,843	25,801	105,216	20,771	172,294	6
Screens, shades, and blinds [6]	1,058	25,973	116,396	21,318	60,731	17,316	107,487	15
Miscellaneous furniture and fixtures	202	4,085	18,393	(4)	(4)	(4)	(4)	
Paper and allied products	4,103	449,833	2,874,958	482,734	1,879,321	402,312	3,890,003	2
Pulp, paper, and paperboard	891	198,370	1,466,046	203,919	850,482	174,053	1,995,475	2
Paper coating and glazing	182	18,133	126,840	20,880	87,549	15,856	165,837	5
Envelopes	164	13,797	68,253	16,092	59,997	13,313	94,569	6
Paper bags	193	22,265	119,265	29,102	98,103	25,222	194,125	15
Paperboard containers and boxes	1,652	119,131	670,127	130,812	480,817	108,377	855,524	3
Pulp goods and misc. paper products	1,021	78,137	424,427	81,929	302,373	65,481	584,473	5

For footnotes, see p. 820.

No. 979.—MANUFACTURES—GENERAL STATISTICS FOR INDUSTRY GROUPS: 1947 AND 1952—*Continued*

INDUSTRY GROUP	1947			1952				
				All employees				
	Number of establishments	All employees (average for the year)	Value added by manufacture ($1,000) [1]	Number (average for the year)	Salaries and wages, total ($1,000)	Number of production workers (average for the year)	Value added by manufacture ($1,000) [1]	Standard error (percent) [2]
Printing and publishing industries [3]	28,986	715,450	4,269,416	772,801	3,267,367	471,348	5,660,124	3
Newspapers	8,339	234,376	1,398,724	275,537	1,123,700	149,169	1,916,846	3
Periodicals	2,166	68,823	604,632	(4)	(4)	(4)	(4)	
Books	804	60,900	320,562	60,122	232,256	23,775	531,521	7
Miscellaneous publishing	611	12,036	72,151	(4)	(4)	(4)	(4)	
Commercial printing	11,932	193,416	977,686	204,033	860,901	161,467	1,331,366	5
Lithographing	*1,413*	*52,240*	*313,462*	*56,956*	*272,441*	*42,288*	*385,230*	9
Greeting cards	162	18,063	81,051	16,471	55,222	11,654	91,393	9
Bookbinding and related industries	1,342	42,561	177,144	(4)	(4)	(4)	(4)	
Printing trades service industries	2,217	43,047	264,004	40,028	217,533	31,066	298,356	9
Chemicals and allied products	10,073	632,319	5,365,201	698,071	2,940,210	484,305	8,266,761	2
Industrial inorganic chemicals	412	65,347	454,699	85,297	374,118	65,221	851,446	1
Industrial organic chemicals	563	206,295	1,551,381	220,180	982,245	160,002	2,985,887	1
Drugs and medicines	1,356	81,803	748,570	96,624	406,689	60,499	1,272,957	7
Soap and related products	1,392	44,962	606,079	47,646	215,369	28,200	729,858	5
Paints and allied products	1,456	67,807	573,237	73,125	318,773	43,339	732,048	4
Gum and wood chemicals	118	8,466	62,965	7,053	25,253	5,764	47,533	30
Fertilizers	704	31,933	186,601	35,938	111,552	28,109	249,143	8
Vegetable and animal oils	1,194	48,431	482,476	41,443	146,086	33,036	323,033	5
Miscellaneous chemical products	2,879	82,276	699,193	50,765	360,125	59,576	1,073,056	3
Petroleum and coal products	1,387	212,003	2,015,307	220,227	1,035,721	170,260	2,618,927	2
Petroleum refining	437	145,806	1,494,474	153,190	757,079	114,711	1,959,465	2
Coke and byproducts	167	38,938	278,230	41,227	186,030	35,825	419,261	2
Paving and roofing materials	437	19,263	155,666	19,314	81,561	15,660	172,550	8
Misc. petroleum and coal products	346	7,996	86,948	6,496	31,051	4,064	67,651	20
Rubber products	875	259,092	1,302,863	255,079	1,042,166	205,566	1,744,141	2
Tires and inner tubes	*57*	*115,657*	*650,166*	97,911	*452,468*	79,933	762,369	1
Rubber footwear	26	28,125	121,040	23,274	79,620	19,638	124,842	1
Reclaimed rubber	15	2,070	9,604	2,259	9,503	1,932	16,534	1
Rubber industries, n. e. c	777	113,240	522,054	131,635	500,579	104,363	840,396	4
Leather and leather products [3]	5,308	383,175	1,532,803	361,373	1,015,535	324,008	1,597,377	3
Leather tanning and finishing	661	53,205	403,788	44,028	152,722	39,476	285,516	3
Industrial leather belting	183	5,032	28,375	(4)	(4)	(4)	(4)	
Footwear cut stock	606	22,077	87,301	18,926	51,707	16,398	77,154	16
Footwear (except rubber)	1,500	240,315	785,543	231,185	614,358	209,082	931,995	4
Leather gloves and mittens	341	11,554	31,911	6,414	16,555	5,649	26,724	30
Luggage	592	16,066	68,078	17,004	51,265	15,380	82,843	16
Handbags and small leather goods	980	25,907	96,070	31,131	77,571	27,489	110,501	16
Miscellaneous leather goods	646	9,029	31,736	7,617	21,847	6,826	87,114	20
Stone, clay, and glass products	11,650	462,072	2,306,480	510,353	1,841,507	435,680	3,531,294	3
Flat glass	34	27,241	173,764	23,266	107,870	20,435	191,080	1
Pressed and blown glassware	213	89,302	421,518	86,900	302,040	76,374	555,781	1
Products of purchased glass	1,054	22,367	118,107	29,026	97,055	25,809	215,510	30
Cement, hydraulic	155	35,062	247,936	39,429	152,178	33,418	445,834	5
Structural clay products	1,110	69,275	280,392	75,275	255,651	67,151	392,454	5
Pottery and related products	742	58,006	224,792	59,353	194,568	52,648	289,252	4
Concrete and plaster products	6,494	70,176	346,761	93,415	322,277	76,080	679,013	9
Cut-stone and stone products	640	9,880	45,940	11,454	44,231	9,535	95,314	30
Misc. nonmetallic mineral products	1,208	80,176	447,280	92,235	364,137	73,830	697,056	4
Primary metal industries	5,363	1,157,124	5,765,434	1,239,576	5,211,485	1,064,932	9,045,495	1
Blast furnaces and steel mills	320	547,364	2,650,250	597,988	2,470,154	518,440	4,251,688	1
Iron and steel foundries	1,936	267,306	1,121,522	253,099	1,035,766	223,867	1,470,450	4
Primary nonferrous metals	88	42,804	325,643	49,246	209,422	41,264	503,094	1
Secondary nonferrous metals	322	18,402	119,667	16,853	72,943	12,732	160,135	4
Nonferrous metal rolling and drawing	162	88,824	503,363	91,443	395,581	74,822	862,513	1
Nonferrous foundries	1,724	65,342	295,834	74,097	308,489	63,004	466,466	3
Misc. primary metal industries	811	127,082	740,155	156,844	719,130	130,743	1,341,140	5

For footnotes, see p. 820.

No. 979.—Manufactures—General Statistics, for Industry Groups: 1947 and 1952—Continued

Industry group	1947			1952				
				All employees				
	Number of establishments	All employees (average for the year)	Value added by manufacture ($1,000) [1]	Number (average for the year)	Salaries and wages, total ($1,000)	Number of production workers (average for the year)	Value added by manufacture ($1,000) [1]	Standard error (percent) [2]
Fabricated metal products	16,734	971,461	4,921,476	1,007,589	4,124,226	820,088	7,168,308	2
Tin cans and other tinware	217	46,890	231,953	52,203	209,627	45,281	424,877	1
Cutlery, hand tools, and hardware	1,866	154,168	728,426	143,052	559,701	117,100	943,198	3
Heating and plumbing equipment	1,276	150,882	789,524	115,779	455,129	91,586	822,115	4
Structural metal products	4,507	212,379	1,143,553	259,946	1,125,782	202,042	1,966,247	4
Metal stamping and coating	4,437	182,983	861,173	184,769	761,132	153,555	1,212,146	5
Lighting fixtures	1,206	47,696	247,619	47,969	177,984	38,849	325,758	5
Fabricated wire products	977	60,647	282,147	66,756	256,387	56,286	417,472	7
Misc. fabricated metal products	2,248	115,916	637,081	137,115	578,484	115,389	1,056,495	4
Machinery (except electrical)	17,906	1,545,323	7,812,455	1,650,533	7,378,875	1,283,473	12,805,556	2
Engines and turbines	151	93,064	408,099	96,708	445,738	73,633	740,940	1
Tractors and farm machinery	1,102	171,435	753,762	177,275	722,135	137,048	1,327,570	3
Construction and mining machinery	747	113,871	641,397	132,805	590,604	101,321	1,046,813	5
Metalworking machinery	4,203	214,543	1,131,182	281,995	1,455,645	225,643	2,555,682	4
Special-industry machinery, n. e. c.	4,106	215,967	1,095,558	194,390	858,417	148,824	1,351,488	2
General industrial machinery	2,191	217,402	1,189,229	236,280	1,072,045	171,356	1,894,580	3
Office and store machines	357	97,778	503,854	99,126	412,331	81,074	678,059	1
Service and household machines	1,088	220,286	1,105,798	190,692	806,737	146,582	1,453,610	3
Miscellaneous machinery parts	3,871	200,977	983,576	241,262	1,015,223	197,992	1,756,814	4
Electrical machinery	3,973	801,359	3,894,115	956,337	3,745,514	739,724	6,868,847	2
Electrical industrial apparatus	1,567	321,352	1,616,398	346,782	1,454,906	260,962	2,810,111	2
Electrical appliances	326	44,371	236,241	41,430	157,603	32,296	337,829	4
Insulated wire and cable	171	21,282	103,722	20,045	76,858	16,371	177,100	3
Engine electrical equipment	110	43,920	196,351	47,737	194,485	39,359	314,830	1
Electric lamps	62	23,842	120,344	20,276	65,310	17,417	165,350	2
Communication equipment	1,210	303,391	1,374,117	437,161	1,630,334	339,044	2,765,510	3
Miscellaneous electrical products	527	43,201	246,942	42,906	157,018	34,275	298,117	6
Transportation equipment	3,711	1,181,680	5,869,196	1,635,270	7,350,537	1,306,120	11,924,276	1
Motor vehicles and equipment	1,904	701,121	3,819,076	709,444	3,209,800	595,777	6,069,474	1
Aircraft and parts	332	219,611	954,575	688,889	3,140,534	507,067	4,404,823	2
Ships and boats	1,110	149,655	586,558	150,808	626,013	132,432	829,746	4
Railroad equipment	122	91,116	415,607	74,001	323,538	60,441	541,268	1
Motorcycles and bicycles	76	15,615	72,838	10,178	43,391	8,720	65,405	2
Transportation equipment, n. e. c.	167	4,562	20,542	1,950	7,261	1,683	13,560	5
Instruments and related products	2,599	231,997	1,080,336	273,936	1,158,631	202,490	1,958,071	2
Scientific instruments [6]	216	20,384	83,010	41,494	202,587	27,615	277,293	4
Mechanical measuring instruments [6]	463	53,237	245,144	75,426	320,176	54,094	544,157	3
Optical instruments and lenses [6]	114	6,458	26,743	13,552	58,017	10,599	84,172	6
Medical instruments and supplies	980	38,369	184,665	38,780	152,039	28,436	275,422	4
Ophthalmic goods	*184*	*22,457*	*81,530*	*20,414*	*70,318*	*17,192*	*117,161*	*15*
Photographic equipment [6]	366	50,911	264,784	50,244	227,730	36,345	444,962	3
Watches and clocks	276	40,181	194,460	34,026	127,764	28,209	214,904	5
Miscellaneous manufactures [3] [7]	14,131	464,420	2,090,168	627,675	2,171,121	520,622	3,730,941	7
Jewelry and silverware	2,031	54,827	302,859	48,404	182,353	39,410	280,733	7
Musical instruments and parts	260	16,889	71,356	15,760	57,562	13,494	85,292	7
Toys and sporting goods	2,198	75,493	294,727	(4)	(4)	(4)	(4)	
Office supplies	787	31,557	163,160	24,731	88,600	17,975	161,226	8
Costume jewelry and notions	2,034	65,878	262,685	54,432	153,947	47,041	263,381	9
Plastics products, n. e. c.	1,360	60,092	289,594	74,628	275,825	60,520	514,279	6
Miscellaneous manufactures [7]	5,461	159,684	705,787	299,491	1,144,952	241,879	1,961,903	5
Administrative and auxiliary		(5)		328,372	1,542,576			

[1] Value of products shipped less cost of materials, supplies, fuels, electric energy, and contract work.
[2] See text, p. 808, for explanation of standard error. Refers to column "All employees—Number (average for the year)"; standard errors for other columns usually of same magnitude.
[3] 1952 totals include industries not shown separately.
[4] Withheld because estimates did not meet publication standards; such estimates, when derived by subtraction, are generally unreliable.
[5] Not available.
[6] *Data for 1952 not strictly comparable with 1947.*
[7] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *Census of Manufactures: 1947*, Vol. II, and *Annual Survey of Manufactures.*

No. 980.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1952

[**Money figures in thousands of dollars.** See text, p. 807. Division totals include estimates for any component industry groups not shown separately. See table 977 for United States figures. 1952 figures based on sample and subject to sampling variation]

NEW ENGLAND

Major industry group	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees: Number (average for the year)	All employees: Salaries and wages, total	Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
All industries, total	**1,474,684**	**6,813,800**	**1,497,026**	**5,372,606**	**1,214,996**	**8,988,857**	**2**
Food and kindred products	69,625	364,096	69,328	221,044	50,570	424,112	6
Tobacco manufactures	1,379	3,957	1,194	2,140	1,082	3,809	1
Textile mill products	283,017	1,245,559	222,142	750,048	201,052	1,153,935	3
Apparel and related products	74,322	279,981	74,250	189,349	67,333	281,012	8
Lumber and products (exc. furniture) [3]	*33,724*	*115,905*	*37,256*	*100,551*	*34,293*	*130,322*	*8*
Furniture and fixtures	18,129	74,019	24,417	80,389	21,543	114,388	16
Paper and allied products	69,345	397,013	69,359	252,444	56,988	463,704	3
Printing and publishing industries	54,169	281,179	48,663	179,430	31,337	298,294	15
Chemicals and allied products	28,573	216,010	28,755	118,395	18,810	258,939	4
Petroleum and coal products	3,720	33,818	3,745	16,517	3,100	27,118	15
Rubber products	44,983	222,783	46,167	171,519	37,915	283,611	3
Leather and leather products	109,032	453,639	113,222	318,827	99,955	495,218	5
Stone, clay, and glass products	21,518	108,475	20,214	77,754	16,182	147,084	7
Primary metal industries	61,595	288,198	64,118	269,060	54,305	506,022	10
Fabricated metal products	108,996	506,176	102,490	386,689	83,084	660,306	4
Machinery (except electrical)	202,098	983,120	208,054	876,321	164,425	1,510,942	3
Electrical machinery	96,008	451,266	121,737	432,471	93,806	831,337	6
Transportation equipment	51,580	206,974	79,013	349,070	62,472	548,679	5
Instruments and related products	36,419	165,832	34,734	130,273	27,095	227,797	4
Miscellaneous manufactures [4]	106,452	463,700	106,975	364,514	89,630	601,928	4
Administrative and auxiliary			21,193	85,792			

MIDDLE ATLANTIC

Major industry group	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees: Number (average for the year)	All employees: Salaries and wages, total	Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
All industries, total	**3,953,738**	**20,790,626**	**4,269,202**	**16,489,983**	**3,314,620**	**28,540,086**	**2**
Food and kindred products	285,861	1,918,175	284,250	1,035,030	205,443	2,407,312	3
Tobacco manufactures	26,927	103,666	22,749	82,853	21,356	122,306	3
Textile mill products	293,539	1,376,829	255,562	835,216	221,001	1,321,406	4
Apparel and related products	593,741	2,695,194	580,818	1,694,235	514,055	2,681,681	4
Lumber and products (exc. furniture) [3]	37,320	142,924	42,663	124,220	38,421	185,701	9
Furniture and fixtures	64,327	298,219	68,603	249,888	57,005	455,534	10
Paper and allied products	121,698	733,898	119,797	463,118	98,926	860,281	4
Printing and publishing industries	241,330	1,576,511	248,882	1,144,595	141,719	2,082,807	4
Chemicals and allied products	195,241	1,655,350	197,546	858,430	131,536	2,316,078	2
Petroleum and coal products	53,092	515,591	53,765	249,181	41,952	542,289	3
Rubber products	40,797	210,499	37,730	151,209	29,080	261,395	5
Leather and leather products	110,934	469,152	102,288	287,939	92,910	440,327	7
Stone, clay, and glass products	140,370	691,541	146,212	547,030	123,032	1,047,262	4
Primary metal industries	379,557	1,804,246	406,631	1,682,569	347,599	2,756,215	2
Fabricated metal products	244,155	1,205,294	260,942	1,052,198	212,854	1,811,268	4
Machinery (except electrical)	339,663	1,678,754	351,993	1,560,772	269,423	2,623,991	3
Electrical machinery	288,649	1,362,157	346,198	1,387,201	263,096	2,402,905	3
Transportation equipment	*108,669*	*944,560*	*241,843*	*1,117,703*	*188,854*	*1,741,950*	*3*
Instruments and related products	121,999	580,537	146,386	650,822	105,408	1,104,391	3
Miscellaneous manufactures [4]	175,963	818,520	244,325	895,206	208,030	1,284,807	16
Administrative and auxiliary			106,778	531,508			

See footnotes at end of table.

No. 980.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1952—Continued

[Money figures in thousands of dollars]

Major industry group	East North Central						
	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees: Number (average for the year)	All employees: Salaries and wages, total	Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
All industries, total	**4,317,892**	**23,473,563**	**4,705,774**	**19,972,001**	**3,664,249**	**35,412,688**	**1**
Food and kindred products	353,615	2,382,765	357,663	1,361,161	260,011	3,040,884	3
Textile mill products	45,330	206,617	35,969	131,450	31,039	210,507	9
Apparel and related products	126,395	505,872	123,621	342,065	107,367	539,327	6
Lumber and products (exc. furniture) [3]	63,329	260,060	76,533	237,255	66,900	390,731	6
Furniture and fixtures	112,539	510,622	108,265	411,255	90,983	691,090	4
Paper and allied products	122,989	776,060	125,878	510,172	104,738	989,880	3
Printing and publishing industries	195,263	1,169,861	214,590	920,636	132,366	1,554,088	3
Chemicals and allied products	143,733	1,356,796	155,951	686,148	103,357	1,853,205	2
Petroleum and coal products	49,055	431,152	53,275	248,464	42,502	652,764	5
Rubber products	125,502	588,746	114,051	487,221	90,514	764,999	2
Leather and leather products	75,158	318,894	61,168	189,187	54,174	288,812	4
Stone, clay, and glass products	131,598	688,262	145,340	544,798	124,739	991,632	5
Primary metal industries	478,422	2,416,039	498,204	2,185,531	420,791	3,683,171	1
Fabricated metal products	406,058	2,159,830	410,463	1,779,746	334,132	3,066,078	3
Machinery (except electrical)	762,315	4,013,422	796,625	3,736,108	621,372	6,494,120	2
Electrical machinery	325,509	1,634,719	356,649	1,421,117	281,519	2,642,903	2
Transportation equipment	631,049	3,283,208	753,039	3,445,676	618,963	6,065,443	1
Miscellaneous manufactures [4]	111,601	499,884	160,119	606,456	128,096	1,105,814	6
Administrative and auxiliary			103,281	504,088			

Major industry group	West North Central						
	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees: Number (average for the year)	All employees: Salaries and wages, total	Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
All industries, total	**785,064**	**4,119,409**	**930,988**	**3,425,967**	**714,030**	**6,218,362**	**2**
Food and kindred products	206,986	1,204,953	214,130	755,628	156,088	1,559,797	4
Textile mill products	8,374	28,279	6,783	23,158	5,698	41,362	30
Apparel and related products	54,451	187,519	53,660	129,465	47,699	208,497	9
Lumber and products (exc. furniture) [3]	20,613	77,023	28,134	81,844	25,375	129,074	20
Furniture and fixtures	14,873	58,025	11,926	40,113	10,086	58,344	20
Paper and allied products	21,061	124,804	23,717	88,994	19,506	179,359	6
Printing and publishing industries	60,520	335,192	69,509	268,550	44,502	473,565	7
Chemicals and allied products	32,586	328,481	34,129	138,745	23,005	419,591	5
Petroleum and coal products	8,947	79,401	9,373	44,113	6,285	82,388	15
Rubber products	5,785	31,032	7,450	27,780	6,317	46,938	10
Leather and leather products	45,395	128,775	43,792	108,057	39,746	174,728	4
Stone, clay, and glass products	28,049	148,796	34,069	128,287	29,024	256,222	9
Primary metal industries	26,002	115,014	30,076	120,375	26,102	180,280	15
Fabricated metal products	44,909	232,093	51,534	208,311	40,233	358,358	7
Machinery (except electrical)	86,729	422,902	101,130	401,614	80,162	725,248	4
Electrical machinery	41,351	191,232	34,413	130,758	27,033	232,193	4
Transportation equipment	45,576	261,527	101,312	440,213	81,381	700,259	1
Miscellaneous manufactures [4]	25,819	135,818	41,010	153,958	31,572	277,146	4
Administrative and auxiliary			15,276	61,252			7

See footnotes at end of table

No. 980.—MANUFACTURES—SELECTED STATISTICS FOR GEOGRAPHIC DIVISIONS, BY MAJOR INDUSTRY GROUPS: 1947 AND 1952—Continued

[Money figures in thousands of dollars]

MAJOR INDUSTRY GROUP	SOUTH ATLANTIC						
	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees		Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
			Number (average for the year)	Salaries and wages, total			
All industries, total	1,523,495	6,942,054	1,739,368	5,104,173	1,475,498	9,582,590	3
Food and kindred products	141,948	696,422	149,603	393,892	108,583	887,258	5
Textile mill products	484,285	2,021,825	502,259	1,312,340	472,726	2,062,316	2
Apparel and related products	99,518	327,314	124,225	281,320	112,750	455,910	8
Lumber and products (exc. furniture) [3]	130,393	383,376	176,713	320,583	167,015	535,103	8
Furniture and fixtures	55,799	206,806	57,006	143,684	51,568	247,551	6
Paper and allied products	46,045	312,438	52,906	196,001	44,327	513,475	2
Printing and publishing industries	49,335	202,272	53,254	194,636	32,573	333,376	7
Chemicals and allied products	108,719	779,083	112,349	424,546	84,207	1,267,980	3
Leather and leather products	17,413	69,143	15,192	40,907	13,874	65,761	5
Stone, clay, and glass products	60,791	261,540	68,385	211,807	59,741	384,125	10
Primary metal industries	64,799	322,372	69,231	277,186	59,609	525,595	2
Fabricated metal products	45,211	207,287	51,050	181,697	42,075	336,652	15
Machinery (except electrical)	31,305	134,846	36,520	136,357	28,482	238,897	7
Electrical machinery	20,964	94,869	34,498	126,384	24,445	220,524	1
Transportation equipment	63,031	256,512	97,831	398,317	80,071	607,585	3
Instruments and related products	2,940	9,585	4,069	13,876	3,116	22,069	15
Administrative and auxiliary			20,487	142,220			

MAJOR INDUSTRY GROUP	EAST SOUTH CENTRAL						
	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees		Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
			Number (average for the year)	Salaries and wages, total			
All industries, total	633,795	2,875,428	677,719	1,975,526	578,085	3,871,483	2
Food and kindred products	68,070	510,352	65,585	197,609	46,825	491,937	5
Textile mill products	96,827	368,078	91,359	230,477	86,588	368,216	3
Apparel and related products	50,845	132,096	70,921	137,404	66,348	207,066	8
Lumber and products (exc. furniture) [3]	96,761	277,203	92,023	166,560	86,862	274,807	6
Furniture and fixtures	18,355	59,949	20,516	56,436	17,927	90,710	15
Paper and allied products	16,087	116,564	21,341	78,197	18,101	191,736	4
Printing and publishing industries	20,854	102,083	24,341	85,030	17,408	132,910	5
Chemicals and allied products	45,080	201,900	51,188	193,066	38,347	496,194	3
Petroleum and coal products	4,782	59,164	5,151	20,059	4,195	99,215	5
Leather and leather products	14,311	50,496	12,523	30,503	11,732	64,052	4
Stone, clay, and glass products	20,857	90,460	22,269	71,770	20,033	140,425	15
Primary metal industries	62,474	287,693	61,199	219,158	52,006	416,450	2
Fabricated metal products	33,911	144,419	32,669	111,798	27,639	199,309	5
Machinery (except electrical)	23,692	94,514	28,116	111,223	21,945	197,420	5
Electrical machinery	6,732	27,663	14,582	44,899	12,845	91,746	4
Transportation equipment	21,295	104,504	17,856	64,720	16,145	114,610	4
Instruments and related products	3,015	13,319	3,689	12,837	3,082	20,767	10
Administrative and auxiliary			9,890	33,520			

See footnotes at end of table.

No. 980.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1952—Continued

[Money figures in thousands of dollars]

WEST SOUTH CENTRAL

Major industry group	1947		1952					
	All employees (average for the year)	Value added by manufacture [1]	All employees		Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
			Number (average for the year)	Salaries and wages, total			
All industries, total	**550,241**	**3,027,709**	**667,927**	**2,326,175**	**529,163**	**5,156,106**	**3**
Food and kindred products	110,744	593,684	114,362	322,572	80,065	780,043	6
Textile mill products	12,259	43,528	12,271	29,210	11,731	46,239	6
Apparel and related products	31,533	98,203	47,175	106,329	42,759	159,054	20
Lumber and products (exc. furniture) [3]	90,348	260,573	67,224	144,079	62,421	231,543	5
Furniture and fixtures	11,587	43,420	17,870	50,853	15,847	93,199	15
Paper and allied products	22,371	156,090	28,631	113,586	24,896	270,436	15
Printing and publishing industries	29,037	154,406	32,810	119,364	23,344	218,923	15
Chemicals and allied products	42,138	389,299	56,704	238,770	42,103	987,357	4
Petroleum and coal products	59,035	578,617	60,600	295,809	47,347	867,113	2
Leather and leather products	3,093	9,343	4,279	9,632	3,941	18,880	30
Stone, clay, and glass products	20,886	107,883	30,260	96,463	25,923	223,415	15
Primary metal industries	18,778	96,122	26,181	103,524	23,078	197,534	4
Fabricated metal products	21,171	105,190	19,074	74,544	15,177	134,784	15
Machinery (except electrical)	31,826	175,449	45,554	192,224	34,370	362,197	10
Electrical machinery	2,300	14,109	3,828	12,804	3,292	30,481	6
Transportation equipment	31,750	132,722	68,358	287,656	56,022	404,611	4
Instruments and related products	2,484	7,999	4,491	15,005	3,978	27,448	15
Miscellaneous manufactures [4]	5,378	21,382	11,077	36,137	10,118	61,012	15
Administrative and auxiliary			14,050	64,244			

MOUNTAIN

Major industry group	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees		Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
			Number (average for the year)	Salaries and wages, total			
All industries, total	**141,638**	**839,202**	**174,562**	**653,962**	**136,894**	**1,266,792**	**5**
Food and kindred products	40,583	245,350	39,112	124,895	28,260	271,145	6
Lumber and products (exc. furniture) [3]	21,177	101,926	27,723	104,899	25,836	159,117	15
Paper and allied products	782	4,758	1,769	7,545	1,466	15,976	30
Chemicals and allied products	4,758	39,798	13,116	60,298	10,008	102,192	3
Petroleum and coal products	5,470	52,093	6,362	29,526	4,651	68,093	15
Stone, clay, and glass products	6,345	31,891	6,227	23,632	5,128	53,057	20
Primary metal industries	23,094	175,735	26,828	106,551	23,292	295,323	1
Fabricated metal products	4,361	22,460	6,987	27,196	5,221	44,414	20
Machinery (except electrical)	6,163	29,966	8,384	32,259	6,570	55,717	10
Electrical machinery	507	1,864	878	2,504	738	4,646	9
Transportation equipment	1,026	4,811	3,059	12,710	2,444	(5)	15
Administrative and auxiliary			2,073	10,692			

See footnotes at end of table.

No. 980.—Manufactures—Selected Statistics for Geographic Divisions, by Major Industry Groups: 1947 and 1952—Continued

[Money figures in thousands of dollars]

Major industry group	PACIFIC						
	1947		1952				
	All employees (average for the year)	Value added by manufacture [1]	All employees		Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
			Number (average for the year)	Salaries and wages, total			
All industries, total	913,787	5,544,034	1,281,813	5,338,818	990,626	9,440,400	2
Food and kindred products	164,415	1,108,506	185,550	685,559	140,259	1,474,657	5
Textile mill products	9,097	48,557	8,062	29,072	6,758	48,977	20
Apparel and related products	47,805	206,770	63,226	189,020	55,795	300,721	9
Lumber and products (exc. furniture) [3]	133,043	869,202	194,136	791,555	179,545	1,403,562	6
Furniture and fixtures	25,183	120,487	22,515	88,826	19,201	148,958	15
Paper and allied products	29,555	253,033	39,336	169,174	33,364	405,156	5
Printing and publishing industries	53,080	328,055	65,442	294,385	37,349	481,464	9
Chemicals and allied products	30,591	307,515	48,333	221,843	32,923	665,225	15
Petroleum and coal products	22,008	217,571	21,073	103,175	14,437	237,904	5
Stone, clay, and glass products	31,652	177,023	37,377	139,376	30,078	287,172	6
Primary metal industries	42,502	259,115	57,102	247,531	48,250	484,905	4
Fabricated metal products	62,689	338,727	71,489	302,047	58,773	557,192	5
Machinery (except electrical)	61,606	329,482	73,857	331,997	56,724	588,015	8
Electrical machinery	19,329	116,236	43,554	187,286	32,950	322,022	4
Transportation equipment	137,114	643,778	272,959	1,234,472	199,768	1,733,176	3
Instruments and related products	7,111	31,836	10,033	46,546	8,289	81,270	15
Administrative and auxiliary	----------	----------	23,342	109,284	----------	----------	-------

[1] Value of products shipped less cost of materials, supplies, fuel, electric energy, and contract work.
[2] See text, p. 808, for explanation of standard error. Refers to column "All employees—Number"; standard errors for other columns usually of same magnitude.
[3] Data for logging industry and for sawmills producing less than 200,000 board feet of lumber included in estimates for 1952, but excluded from figures for 1947.
[4] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."
[5] Withheld because estimate did not meet publication standards. See text, p. 808.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures.*

No. 981.—Manufactures—General Statistics, by States: 1947 and 1952

[**Money figures in thousands of dollars.** See text, p. 807. Figures for 1952 are based on sample and subject to sampling variation]

Division and state	1947			1952				
				All employees				
	Number of establishments	All employees (average for the year)	Value added by manufacture [1]	Number (average for the year)	Salaries and wages, total	Number of production workers (average for the year)	Value added by manufacture [1]	Standard error (percent) [2]
United States	240,881	14,294,304	74,425,825	15,944,379	60,659,211	12,618,161	108,477,364	1
New England	20,274	1,474,684	6,813,800	1,497,026	5,372,606	1,214,996	8,988,857	2
Maine	1,635	100,181	432,123	108,321	323,033	96,268	525,514	4
New Hampshire	1,124	74,752	306,032	84,677	257,287	74,062	413,181	7
Vermont	830	34,872	149,685	42,180	150,042	35,677	264,155	20
Massachusetts	10,524	718,441	3,370,094	702,718	2,512,784	557,172	4,270,674	2
Rhode Island	2,214	146,850	658,420	131,698	446,880	110,037	724,446	4
Connecticut	3,947	399,588	1,896,546	427,432	1,682,580	341,780	2,790,887	3
Middle Atlantic	75,363	3,953,738	20,790,626	4,269,202	16,489,983	3,314,620	28,540,086	2
New York	47,819	1,775,975	9,666,588	1,942,806	7,502,553	1,467,738	13,101,875	3
New Jersey	10,755	738,229	4,177,080	792,016	3,231,418	610,977	5,764,365	2
Pennsylvania	16,789	1,439,534	6,946,958	1,534,380	5,666,012	1,235,905	9,673,846	2
East North Central	50,570	4,317,892	23,473,563	4,705,774	19,972,001	3,664,249	35,412,688	1
Ohio	12,303	1,194,603	6,359,006	1,332,570	5,655,024	1,040,857	10,033,105	2
Indiana	5,408	548,346	2,977,508	598,002	2,304,814	480,723	4,464,882	2
Illinois	15,988	1,184,820	6,680,137	1,253,543	5,146,978	955,250	9,309,363	2
Michigan	9,892	973,675	5,196,338	1,060,247	4,915,936	829,208	8,284,675	2
Wisconsin	6,979	416,448	2,260,574	461,412	1,859,249	358,211	3,320,663	2
West North Central	17,403	785,064	4,119,409	930,988	3,425,967	714,030	6,218,362	2
Minnesota	4,567	179,986	1,022,586	210,864	799,803	158,047	1,440,189	4
Iowa	2,965	140,425	671,100	159,732	594,970	120,417	1,113,171	5
Missouri	5,725	327,515	1,623,145	365,417	1,303,209	281,610	2,351,377	2
North Dakota	362	5,218	20,461	5,896	16,745	4,049	31,201	8
South Dakota	494	10,265	51,398	11,554	41,937	9,931	76,022	20
Nebraska	1,344	47,031	260,658	51,131	179,818	40,214	337,577	7
Kansas	1,946	74,624	461,061	126,394	489,485	99,762	868,825	4
South Atlantic	24,001	1,523,495	6,942,054	1,739,368	5,104,173	1,475,498	9,582,590	3
Delaware	482	34,465	182,088	58,670	239,593	36,530	372,445	20
Maryland	2,824	228,552	1,138,407	260,678	917,091	206,978	1,706,104	3
Dist. of Columbia	428	17,815	99,067	18,008	72,049	9,859	129,422	15
Virginia	3,644	216,637	1,051,629	233,195	683,561	197,418	1,440,012	3
West Virginia	1,602	127,353	663,903	134,346	478,112	110,657	1,009,176	3
North Carolina	5,322	381,480	1,646,673	418,588	1,088,813	373,768	2,013,824	3
South Carolina	2,137	188,601	794,312	202,865	541,356	185,021	922,605	4
Georgia	4,754	249,926	1,015,999	294,506	751,043	259,268	1,355,318	5
Florida	2,808	78,666	349,976	118,512	332,555	95,999	633,684	15
East South Central	10,907	633,765	2,875,428	677,719	1,975,526	578,085	3,871,483	2
Kentucky	2,244	129,504	740,772	143,522	467,886	119,351	1,062,980	4
Tennessee	3,346	221,454	957,539	241,209	710,433	202,783	1,317,553	3
Alabama	3,335	206,136	876,933	213,010	608,102	186,063	1,139,198	3
Mississippi	1,982	76,671	300,184	79,978	189,105	69,888	351,722	4
West South Central	13,181	550,241	3,027,709	667,927	2,326,175	529,163	5,156,106	3
Arkansas	1,924	65,321	265,144	77,996	200,351	68,062	386,472	9
Louisiana	2,389	132,464	694,074	135,446	459,114	109,773	1,090,597	5
Oklahoma	1,740	55,403	341,027	77,222	266,783	57,718	493,379	7
Texas	7,128	297,053	1,727,464	377,263	1,399,927	293,610	3,185,658	3
Mountain	5,049	141,638	839,202	174,562	653,962	136,894	1,266,792	5
Montana	652	16,092	92,258	17,414	66,902	14,190	138,952	8
Idaho	664	16,907	109,694	20,016	83,165	17,917	142,553	20
Wyoming	256	5,607	34,957	5,469	23,806	4,241	38,094	15
Colorado	1,602	54,071	286,774	59,390	213,998	45,450	397,464	8
New Mexico	432	7,590	55,486	15,384	60,599	12,175	128,211	15
Arizona	545	14,188	103,958	21,343	80,695	15,908	159,753	7
Utah	772	24,516	128,298	32,561	112,541	25,045	229,876	15
Nevada	126	2,667	27,777	2,985	12,256	1,968	31,889	30
Pacific	24,133	913,787	5,544,034	1,281,813	5,338,818	990,626	9,440,400	2
Washington	3,410	144,324	874,036	199,609	807,530	162,630	1,430,317	5
Oregon	3,075	105,591	675,017	137,940	546,482	119,267	1,049,151	5
California	17,648	663,872	3,994,981	944,264	3,984,806	708,729	6,960,932	2

[1] Value of products shipped less cost of materials, supplies, fuel, electric energy, and contract work.
[2] See text, p. 808, for explanation of standard error. Refers to column "All employees—Number"; standard errors for other columns usually of same magnitude.

Source: Department of Commerce, Bureau of the Census; *Census of Manufactures: 1947*, Vol. II, and *Annual Survey of Manufactures*.

No. 982.—Manufactures—Expenditures for New Plant and Equipment, by Industry Groups: 1947, 1950, and 1952

[*Dollar figures in thousands.* 1950 and 1952 figures based on sample and subject to sampling variation. See text, p. 807. 1947 and 1950 figures exclude expenditures: (1) for plant under construction but not in operation; (2) for plants idle throughout year; (3) for nonmanufacturing establishments of manufacturing companies; (4) for plants and equipment leased to manufacturers by owners; and (5) for used plant and equipment acquired from others. 1952 figures include expenditures for plants under construction but not in operation]

Industry group	1947[1]			1950			1952			Standard error (percent)[2]	
	Total expenditures	New structures and additions to plant	New machinery and equipment	Total expenditures	New structures and additions to plant	New machinery and equipment	Total expenditures	New structures and additions to plant	New machinery and equipment	1950	1952
All industries, total	**6,003,873**	**2,122,143**	**3,881,730**	**5,110,262**	**1,411,330**	**3,698,932**	**7,953,429**	**2,579,117**	**5,374,312**	1	1
Food and kindred products	820,847	276,803	544,044	649,445	216,421	433,024	540,889	163,097	377,792	5	3
Tobacco manufactures	35,645	12,919	22,726	17,654	6,833	10,821	22,338	6,544	15,794	3	2
Textile mill products	367,510	104,706	262,804	420,183	74,449	345,734	330,303	82,701	247,602	4	5
Apparel and related products	83,945	22,114	61,831	62,558	14,279	48,279	54,657	9,947	44,710	8	7
Lumber and products (exc. furniture)	171,574	56,048	115,526	[3] 191,817	50,887	140,930	180,343	44,118	136,225	10	4
Furniture and fixtures	77,441	26,247	51,194	[3] 58,087	[4]	[4]	55,441	[4]	[4]	9	20
Paper and allied products	406,779	117,231	289,548	299,083	62,906	236,177	383,630	68,945	314,685	3	2
Printing and publishing industries	226,368	82,143	144,225	244,396	54,322	190,074	188,956	[4]	[4]	10	15
Chemicals and allied products	810,732	279,739	530,993	602,998	149,183	453,815	1,162,229	315,461	846,768	2	2
Petroleum and coal products	399,754	317,440	82,314	331,541	201,360	130,181	612,785	305,007	307,778	3	3
Rubber products	109,783	30,893	78,890	79,958	16,944	63,014	126,918	24,513	102,405	4	3
Leather and leather products	31,301	8,064	23,237	25,791	[4]	[4]	18,745	4,197	14,548	15	7
Stone, clay, and glass products	285,066	104,378	180,688	222,652	54,638	168,014	269,522	68,723	200,799	5	4
Primary metal industries	592,177	212,687	379,490	548,253	138,698	409,555	1,619,221	540,633	1,078,588	2	1
Fabricated metal products	304,822	92,119	212,703	[3] 317,027	93,091	223,936	337,861	93,690	244,171	3	4
Machinery (except electrical)	517,589	167,396	350,193	337,212	86,872	250,340	678,393	231,921	446,472	3	3
Electrical machinery	244,606	64,874	179,732	195,458	50,051	145,407	346,701	125,583	221,118	3	2
Transportation equipment	354,974	99,514	255,460	343,428	76,738	266,690	712,483	319,660	392,823	2	1
Instruments and related products	56,000	15,313	40,687	64,446	16,418	48,028	77,388	25,424	51,964	3	4
Miscellaneous manufactures [5]	106,960	31,515	75,445	98,275	19,395	78,880	234,626	66,751	167,875	6	7

[1] Smaller establishments submitting "short" form reports were not requested to include data on capital expenditures. Resulting understatement is negligible (see Ch. VI of Vol. I, "General Summary," *Census of Manufactures, 1947*).

[2] See text, p. 808, for explanation of standard error. Refers to total expenditures columns. Standard errors for new machinery columns approximately same as those for total expenditures; for new structures columns, vary, usually between 1 and 3 times the standard errors shown for total expenditures, up to a maximum of 20 percent.

[3] *Not fully represented in sample; capital expenditures understated* by approximately 1 to 10 percent; corresponding understatement of "All industries" total is less than 0.5 percent.

[4] Withheld because estimate did not meet publication standards. See text, p. 808

[5] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures.*

No. 983.—Manufactures—Expenditures for New Plant and Equipment, by States: 1947 and 1952

[In thousands of dollars. See headnote, table 982]

Division and state	1947 [1]			1952 [2]			Standard error (percent) [3]
	Total expenditures	New structures and additions to plant	New machinery and equipment	Total expenditures	New structures and additions to plant	New machinery and equipment	
United States	6,003,873	2,122,143	3,881,730	7,953,429	2,579,117	5,374,312	1
New England	418,580	115,151	303,429	419,737	105,521	314,216	4
Maine	35,055	12,708	22,347	31,283	3,880	27,403	7
New Hampshire	24,010	5,994	18,016	19,115	3,569	15,546	30
Vermont	9,698	3,051	6,647	11,615	(4)	(4)	30
Massachusetts	198,985	52,426	146,559	180,840	42,930	137,910	8
Rhode Island	34,609	8,117	26,492	29,476	5,841	23,635	7
Connecticut	116,223	32,855	83,368	147,039	47,758	99,281	4
Middle Atlantic	1,335,235	446,679	888,556	1,777,707	574,657	1,203,050	2
New York	497,443	152,173	345,270	550,845	182,227	368,618	4
New Jersey	303,987	93,130	210,857	311,324	95,135	216,189	3
Pennsylvania	533,805	201,376	332,429	915,538	297,295	618,243	2
East North Central	1,869,322	667,526	1,201,796	2,536,513	827,941	1,708,572	2
Ohio	498,254	179,293	318,961	747,744	219,921	527,823	2
Indiana	302,104	145,724	156,380	379,394	147,572	231,822	2
Illinois	478,431	168,066	310,365	618,411	174,399	444,012	3
Michigan	427,746	119,254	308,492	607,846	218,259	389,587	2
Wisconsin	162,787	55,189	107,598	183,118	67,790	115,328	15
West North Central	340,462	123,332	217,130	327,411	135,031	192,380	3
Minnesota	82,800	29,438	53,362	55,559	17,321	38,238	7
Iowa	64,686	23,041	41,645	59,783	18,713	41,070	7
Missouri	132,166	50,531	81,635	129,323	59,768	69,555	3
North Dakota	2,250	859	1,391	(4)	(4)	(4)	
South Dakota	3,371	1,252	2,119	2,148	(4)	(4)	20
Nebraska	18,402	6,472	11,930	21,807	9,362	12,445	20
Kansas	36,787	11,739	25,048	56,264	28,283	27,981	10
South Atlantic	677,651	224,207	453,444	754,463	209,196	545,267	3
Delaware	21,137	5,594	15,543	31,511	17,606	13,905	2
Maryland	123,599	49,106	74,493	96,598	36,293	60,305	4
District of Columbia	4,502	976	3,526	3,884	636	3,248	20
Virginia	112,383	33,902	78,481	88,642	17,292	71,350	2
West Virginia	82,332	27,364	54,968	93,838	17,281	76,557	2
North Carolina	137,583	42,812	94,771	141,109	33,538	107,571	4
South Carolina	61,743	20,189	41,554	94,489	28,017	66,472	4
Georgia	84,320	28,147	56,173	103,666	32,576	71,090	20
Florida	50,052	16,117	33,935	87,475	19,671	67,804	6
East South Central	256,002	80,931	175,071	376,557	118,137	258,420	2
Kentucky	77,135	27,197	49,938	129,302	48,529	80,773	4
Tennessee	83,792	24,356	59,436	110,864	29,869	80,985	4
Alabama	72,362	22,752	49,610	102,831	35,241	67,590	2
Mississippi	22,713	6,626	16,087	29,399	3,963	25,436	6
West South Central	457,920	205,644	252,276	951,436	354,241	597,195	2
Arkansas	30,262	11,569	18,693	53,286	20,929	32,357	5
Louisiana	97,210	32,597	64,613	233,665	121,081	112,584	5
Oklahoma	25,504	12,252	13,252	38,272	14,297	23,975	3
Texas	304,944	149,226	155,718	619,116	194,702	424,414	2
Mountain	95,023	33,296	61,727	126,649	29,556	97,093	5
Montana	7,446	1,708	5,738	10,958	3,598	7,360	8
Idaho	11,447	3,903	7,544	24,861	4,198	20,663	5
Wyoming	10,235	8,756	1,479	15,142	1,978	13,164	9
Colorado	32,189	8,406	23,783	34,183	(4)	(4)	15
New Mexico	5,431	1,810	3,621	4,773	1,103	3,670	20
Arizona	8,328	3,131	5,197	11,193	2,558	8,635	30
Utah	16,988	4,171	12,817	17,076	4,702	12,374	5
Nevada	2,959	1,411	1,548	(4)	(4)	(4)	
Pacific	553,678	225,377	328,301	682,956	224,837	458,119	3
Washington	81,476	28,707	52,769	144,892	43,004	101,888	3
Oregon	61,669	23,435	38,234	80,154	17,764	62,390	7
California	410,533	173,235	237,298	457,910	164,069	293,841	3

[1] Smaller establishments submitting "short" form reports were not requested to include data on capital expenditures. Resulting understatement is negligible (see Ch. VI of Vol. I, "General Summary," *Census of Manufactures, 1947*).

[2] Totals for United States and divisions include estimates for all States, whether or not separate data are shown for individual States.

[3] See text, p. 808, for explanation of standard error. Refers to total expenditures column. Standard errors for new machinery column approximately same as those for total expenditures; for new structures column, vary, usually between 1 and 3 times the standard errors shown for total expenditures, up to a maximum of 30 percent.

[4] Withheld because estimates did not meet publication standards. See text, p. 808.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Annual Survey of Manufactures*.

No. 984.—Value of Manufacturers' Inventories, by Major Industry Groups: 1947 and 1952

[In thousands of dollars. 1947 data exclude all small establishments reporting on "short" forms. 1952 figures based on sample and subject to sampling variation. See text, p. 807]

Major industry group	1947					
	Inventories at beginning of year			Inventories at end of year		
	Total	Finished products [1]	Materials, supplies, and work in process [2]	Total	Finished products [1]	Materials, supplies, and work in process [2]
All industries, total	**22,432,422**	**6,159,703**	**16,272,719**	**26,129,137**	**7,808,637**	**18,320,500**
Food and kindred products	3,489,100	1,522,149	1,967,050	4,078,750	1,943,108	2,135,642
Tobacco manufactures	1,033,759	391,569	642,190	1,117,664	465,754	651,910
Textile mill products	1,609,619	339,750	1,269,869	1,788,166	385,472	1,402,694
Apparel and related products	1,087,330	365,489	721,850	1,257,372	449,094	808,278
Lumber and (products) exc. furniture	497,580	200,015	297,565	653,637	275,277	378,360
Furniture and fixtures	342,280	61,108	281,172	401,311	83,053	318,258
Paper and allied products	536,013	91,644	445,269	714,223	125,316	588,907
Printing and publishing industries	(3)	(3)	(3)	(3)	(3)	(3)
Chemicals and allied products	1,743,370	505,525	1,237,845	2,062,730	650,037	1,412,693
Petroleum and coal products	730,588	400,293	330,295	888,583	453,606	434,977
Rubber products	373,058	98,427	274,631	413,785	152,967	260,818
Leather and leather products	447,705	102,289	345,416	508,276	120,257	388,019
Stone, clay, and glass products	391,146	137,033	253,213	494,666	184,543	310,123
Primary metal industries	1,719,943	368,501	1,351,442	1,968,469	441,282	1,527,187
Fabricated metal products	1,254,132	233,753	1,020,379	1,500,320	315,639	1,184,681
Machinery (except electrical)	2,833,852	677,792	2,156,060	3,354,237	890,262	2,463,975
Electrical machinery	1,342,433	188,439	1,153,994	1,489,516	291,340	1,198,176
Transportation equipment	2,048,774	242,172	1,805,602	2,377,482	296,994	2,080,488
Instruments and related products	382,098	83,172	298,926	429,047	103,757	325,290
Miscellaneous manufactures	568,634	149,683	418,951	630,903	180,879	450,024

Major industry group	1952						Standard error (percent) [4]
	Inventories at beginning of year			Inventories at end of year			
	Total	Finished products	Materials, supplies and work in process	Total	Finished products	Materials, supplies and work in process	
All industries, total	**38,329,100**	**12,280,291**	**26,048,809**	**39,851,269**	**12,507,598**	**27,343,671**	**1**
Food and kindred products	4,912,674	2,093,721	2,218,953	4,789,076	2,705,439	2,083,637	3
Tobacco manufactures	1,425,887	522,084	903,803	1,479,302	578,194	901,108	1
Textile mill products	2,776,132	949,326	1,826,806	2,364,099	830,733	1,533,366	2
Apparel and related products	1,635,492	631,104	1,004,388	1,551,753	598,695	953,058	4
Lumber and products (except furniture)	1,033,829	474,727	559,102	1,055,370	488,412	566,958	3
Furniture and fixtures	584,281	154,079	430,202	557,151	154,043	403,108	5
Paper and allied products	1,018,840	227,689	791,151	1,009,538	260,022	749,646	2
Printing and publishing industries	(3)	(3)	(5)	(3)	(3)	(5)	
Chemicals and allied products	2,946,228	1,059,606	1,886,622	2,961,848	1,062,503	1,899,345	2
Petroleum and coal products	1,370,761	705,701	665,060	1,423,039	737,752	685,887	2
Rubber products	599,212	223,274	375,938	630,708	290,477	340,231	2
Leather and leather products	592,157	184,907	407,250	493,047	148,983	344,064	4
Stone, clay, and glass products	811,423	338,155	473,268	808,409	348,767	459,642	3
Primary metal industries	2,799,579	616,107	2,183,472	3,288,423	715,018	2,523,405	1
Fabricated metal products	2,445,466	603,051	1,842,415	2,443,252	586,121	1,857,131	3
Machinery (except electrical)	5,172,992	1,433,068	3,739,924	5,372,593	1,494,654	3,877,939	1
Electrical machinery	2,422,795	520,045	1,902,750	2,692,573	518,442	2,174,131	2
Transportation equipment	3,764,347	414,630	3,349,717	4,779,264	461,302	4,317,962	1
Instruments and related products	747,109	155,753	591,416	806,398	156,251	650,147	2
Miscellaneous manufactures [5]	1,269,836	373,264	896,572	1,402,896	380,890	1,022,006	5

[1] Includes value of goods produced by contract work on materials owned by manufacturers reporting.
[2] Includes value of fuel and all other inventories. [3] Data not collected.
[4] See text, p. 808, for explanation of standard error. Refers to total inventories columns. Standard errors for other columns are usually the same or slightly higher.
[5] Includes privately owned and/or operated establishments classified in "Ordnance and accessories."

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures.*

No. 985.—Canned Fruit and Vegetable Products—Annual Production: 1942–43 to 1953–54

[Standard cases (in millions). Data are for pack years and are partly estimated]

PRODUCT	1942–43	1943–44	1944–45	1945–46	1946–47	1947–48	1948–49	1949–50	1950–51	1951–52	1952–53	1953–54
Fruits, total [1]	59.1	46.5	56.4	52.1	82.9	66.2	65.1	69.6	74.2	81.5	75.5	(2)
Apples	3.9	2.0	3.0	1.1	4.0	2.1	1.6	3.9	4.9	3.1	2.4	2.7
Applesauce	3.6	2.2	3.1	1.9	6.2	4.5	3.4	5.9	8.3	5.5	5.5	7.0
Apricots	3.3	1.3	7.8	4.4	10.7	3.3	4.8	2.4	3.7	4.6	4.0	4.8
Berries	1.4	1.0	.5	.4	.8	1.0	1.8	2.0	1.3	1.7	1.4	1.4
Cherries, red pitted	2.6	.6	2.6	1.1	2.4	1.8	2.7	2.6	3.8	3.6	2.9	2.8
Cherries, other	1.1	.9	.9	1.3	1.8	.6	.8	1.7	.7	.9	1.3	1.1
Cranberries	.8	1.1	.6	1.8	3.2	2.2	1.3	1.8	2.5	2.7	2.5	2.8
Figs	.8	1.0	.9	.7	1.2	.8	.6	.3	.5	.7	.8	.5
Grapefruit	.6	.6	.4	2.1	4.0	2.3	3.1	2.4	3.2	2.4	2.6	(2)
Mixed fruits	6.2	5.8	6.6	6.5	8.9	10.2	11.0	7.6	8.2	10.0	8.3	9.2
Peaches	16.2	11.6	13.6	14.8	20.0	19.0	17.4	19.1	16.6	22.8	19.3	21.1
Pears	6.2	4.7	4.5	4.7	5.2	5.7	4.0	5.9	6.4	6.6	6.6	5.8
Pineapple [3]	9.9	10.2	9.1	7.9	8.4	9.4	10.8	10.8	11.3	12.2	14.6	13.4
Plums and prunes	1.7	2.4	1.8	2.5	4.2	2.3	.9	1.8	1.0	2.4	1.6	1.4
Olives, ripe	.8	1.1	1.0	.9	1.9	1.0	.9	1.4	1.8	2.3	1.7	1.3
Juices, total [4]	76.1	80.7	96.7	110.6	110.0	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Apple	1.7	1.4	2.7	1.1	4.4	1.4	1.1	2.7	3.4	3.0	3.1	3.0
Apricot, peach, pear	.8	.2	.9	.2	1.5	1.5	1.6	1.5	(2)	(2)	(2)	(2)
Grape	2.9	1.6	2.0	2.5	3.4	3.4	3.5	2.8	(2)	(2)	(2)	(2)
Grapefruit	24.0	26.6	22.0	26.4	17.6	17.5	14.3	12.2	18.3	9.2	11.6	(2)
Lemon	.2	(5)	(5)	.6	.4	.5	.4	.6	.4	.4	.7	(2)
Orange	2.9	8.3	16.8	22.6	19.7	27.3	19.3	19.5	22.5	20.9	18.9	(2)
Orange-grapefruit	3.7	6.0	9.0	14.0	11.0	12.4	10.8	7.4	9.4	6.6	6.1	(2)
Pineapple [3]	10.4	9.4	8.9	9.6	9.0	9.9	11.5	12.0	13.7	12.2	16.9	16.4
Prune	1.5	1.9	2.7	4.9	4.0	3.9	4.0	5.4	4.5	4.0	(1)	(2)
Other fruit	.1	.2	.2	1.3	3.5	(5)	(2)	(2)	(2)	(2)	(2)	(2)
Tomato	25.1	22.5	28.4	23.4	29.2	19.5	27.8	23.5	26.2	36.2	35.8	37.8
Other vegetable	2.8	2.6	3.1	4.0	6.3	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Seasonal vegetables, total [4]	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	124.3	149.2	139.8	140.7
Asparagus	4.5	4.2	4.3	4.5	4.6	3.8	3.6	4.4	4.5	4.8	4.4	4.0
Beans, green and wax	25.2	23.3	18.6	17.5	18.3	13.1	15.2	20.6	21.0	19.4	16.3	22.6
Beans, lima	3.0	2.0	1.7	1.6	1.7	2.2	2.5	4.4	3.2	3.0	2.3	3.1
Beets	7.3	7.2	8.7	9.5	7.0	3.4	4.4	7.3	8.2	7.5	6.7	8.6
Carrots	3.0	3.1	3.1	3.6	3.7	1.0	3.1	1.8	1.9	2.2	2.8	2.7
Corn	32.6	29.3	25.4	28.7	31.0	26.1	31.5	29.8	18.2	25.6	32.3	31.0
Greens, leafy	1.4	1.2	1.0	3.0	1.5	.9	1.7	2.5	2.0	2.8	2.9	2.3
Mixed vegetables	(2)	(2)	(2)	(5)	(5)	(2)	(2)	(2)	2.4	1.9	2.0	1.8
Peas, field	(2)	(2)	(2)	(2)	(2)	(2)	(2)	1.1	1.7	1.4	1.5	2.0
Peas, green	36.9	36.4	31.7	39.7	40.9	33.1	23.4	23.5	29.1	33.9	26.5	28.0
Pimientos	.3	.2	.4	.5	.6	.5	.5	.6	1.2	.4	.3	1.0
Pumpkin and squash	2.3	2.1	2.9	1.9	4.6	3.4	1.8	1.1	2.2	4.4	5.4	3.0
Spinach	9.0	7.7	9.0	8.4	8.4	3.9	5.0	6.7	5.6	7.6	6.1	5.4
Tomatoes	41.6	29.7	26.1	16.9	23.9	27.7	24.4	21.5	21.1	31.8	28.0	22.3
Other vegetable packs [6]	(5)	(5)	(5)	(5)	(5)	(5)	(5)	(5)	2.0	2.5	2.3	2.9
Nonseasonal vegetables, total [4]	46.3	48.2	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Beans, all dry varieties	10.5	15.1	26.5	34.7	35.0	37.1	(2)	(2)	(2)	(1)	(2)	(2)
Hominy	.6	.4	(2)	(2)	(2)	4.3	4.5	4.8	(5)	(5)	(5)	(2)
Mushrooms	.4	.4	.4	.4	.5	.9	.6	.7	.6	.6	.7	(2)
Sauerkraut	3.5	3.7	3.2	8.5	8.3	4.2	6.5	7.8	8.9	7.2	7.1	(2)
Spaghetti and macaroni	1.4	.1	.1	(2)	(2)	6.2	(2)	(2)	8.7	(2)	(1)	(2)
Sweet potatoes	.9	1.2	1.7	3.1	4.2	1.7	1.8	3.1	4.3	3.2	5.0	4.9
Soups	27.7	23.0	29.7	39.1	43.0	43.5	42.0	41.0	(2)	(2)	(1)	(2)
White potatoes	1.3	4.3	1.6	(2)	(2)	.9	1.6	1.5	1.6	1.3	2.6	2.8
Tomato products [4]	23.4	29.0	33.5	33.8	45.0	35.7	25.4	21.8	26.0	46.9	37.2	30.3
Catsup and chili sauce	11.0	9.9	12.0	10.1	13.0	16.9	13.2	8.7	11.7	19.8	15.5	15.2
Paste and sauce	5.9	9.1	10.0	11.5	16.2	12.9	8.5	9.0	10.3	19.4	17.0	11.5
Pulp and puree	6.5	10.0	11.5	12.2	15.8	5.9	3.7	4.1	4.0	7.7	4.7	3.6
Canned baby foods, total [7]	44.2	56.8	77.5	104.1	120.2	90.0	126.7	122.1	130.2	119.6	134.1	156.4
Desserts	2.2	3.0	7.5	9.8	10.6	7.2	10.1	8.5	9.3	9.9	12.1	14.4
Fruits	13.8	15.7	26.6	38.9	45.0	34.8	41.6	49.6	49.3	44.9	49.4	61.1
Meat compounds	9.6	12.9	16.1	21.0	36.8	24.7	38.0	36.1	40.4	36.4	43.2	47.5
Vegetables	18.6	25.2	27.3	34.4	27.8	23.3	37.0	27.9	31.2	28.4	29.4	33.4

[1] Basis 24 No. 2½ cans.
[2] Not available.
[3] Hawaiian pack plus receipts from Puerto Rico. 1951–53 represents Hawaiian pack and foreign operations.
[4] Basis 24 No. 2 cans.
[5] Included in "Other fruit juices."
[6] Succotash, triple succotash, carrots and peas, okra, okra and tomatoes.
[7] Basis dozen cans.

Source: National Canners Association, Washington, D. C. Published in part in *Canned Food Pack Statistics.*

No. 986.—Denatured Alcohol: 1910 to 1953

[Includes data for Hawaii for all years and data for Puerto Rico beginning with Aug. 1, 1928]

YEAR ENDING JUNE 30—	Alcohol produced at industrial alcohol plants [1]	Denaturing plants operated	Ethyl alcohol used for denaturation [2]	DENATURED ALCOHOL PRODUCED [3]		
				Total	Completely denatured	Specially denatured
	Proof gallons		*Proof gallons*	*Wine gallons*	*Wine gallons*	*Wine gallons*
1910		12	10,605,871	6,079,027	3,076,925	3,002,103
1915		23	25,411,719	13,986,469	5,386,647	8,599,822
1920	18,933,551	52	45,040,949	28,836,350	13,528,403	15,307,947
1925	166,105,518	91	152,264,039	81,808,273	46,983,970	34,824,303
1930	193,823,717	68	185,090,827	106,776,978	59,063,510	47,713,468
1935	180,645,920	39	165,233,606	97,031,074	38,746,679	58,284,395
1940	243,727,756	40	225,160,792	126,761,330	15,352,033	111,409,797
1945	[4] 683,431,544	65	971,446,910	527,095,537	33,087,533	494,008,004
1948	332,262,148	48	339,651,745	184,281,826	34,887,789	149,394,037
1949	351,015,364	47	323,025,030	174,494,703	10,221,492	164,273,211
1950	313,535,120	46	322,836,727	174,673,641	4,414,058	170,259,583
1951	444,935,011	48	455,099,873	245,437,178	1,438,564	243,998,614
1952	467,389,720	55	489,788,861	262,493,485	903,027	261,590,458
1953	484,960,164	53	444,845,420	239,828,796	626,773	239,202,023

[1] Separate accounts for alcohol produced at industrial alcohol plants required commencing May 1, 1920.
[2] Through 1940, represents *withdrawals* of all products for denaturation, that is, domestic ethyl alcohol, spirits produced by registered distilleries (redesignated upon receipt at denaturing plants as alcohol), and rum. Beginning 1944, represents all products (except rum) *used* for denaturation, that is, domestic ethyl alcohol, imported ethyl alcohol, and spirits. Rum is included for 1935 and 1940 because denatured rum is included with specially denatured alcohol for those years.
[3] Prior to 1944 includes denatured rum.
[4] Represents gross production. Net production (gross production minus products used in redistillation) for *1945, 650,089,874.*

Source: Treasury Department, Internal Revenue Service; *Annual Report of the Commissioner.*

No. 987.—Alcoholic Beverages—Production, Tax-Paid Withdrawals, and Stocks: Years Ending June 30, 1947 to 1953

[Includes data for Alaska and Hawaii. See also *Historical Statistics*, series J 172 for production of fermented malt liquor]

CLASS	Unit	1947	1948	1949	1950	1951	1952	1953
Fermented malt liquor:								
Production	Thous. of bbl.[1]	87,857	91,291	89,736	88,807	88,976	89,601	90,434
Tax-paid withdrawals	do	82,629	86,993	85,809	83,512	83,246	84,294	84,559
Stocks on hand June 30	do	9,565	9,888	9,879	10,982	11,344	10,962	11,058
Distilled spirits, total:								
Production [2]	Thous. of tax gal.[3]	315,158	244,127	266,542	268,235	401,453	221,866	134,466
Tax-paid withdrawals [4]	do	173,505	147,160	141,767	144,124	174,625	141,791	155,927
Stocks on hand June 30 [2]	do	525,828	594,733	677,344	708,562	901,100	937,156	881,813
Whiskey:								
Production	do	167,995	129,597	149,595	118,760	205,702	103,544	66,765
Tax-paid withdrawals	do	88,823	53,603	52,675	60,499	76,442	64,908	71,851
Stocks on hand June 30	do	404,825	522,261	602,926	643,280	761,233	767,558	730,919
Rectified spirits and wines, production, total	Thous. of proof gal.	148,560	125,733	118,955	107,861	122,373	93,928	97,772
Whiskey, production	do	130,701	114,917	107,782	94,908	108,152	83,146	83,888
Still wines: [5]								
Production [6]	Thous. of wine gal.[7]	515,335	314,328	425,925	297,857	425,821	524,008	392,505
Tax-paid withdrawals	do	102,212	110,114	119,107	133,055	123,253	121,809	131,293
Stocks on hand June 30 [8]	do	160,211	147,708	162,586	127,000	133,978	170,606	168,739
Sparkling wines: [9]								
Production	Thous. of half pints [10]	48,548	20,422	22,536	21,225	25,014	24,314	26,912
Tax-paid withdrawals	do	30,985	20,414	21,665	20,934	23,789	22,500	26,789
Stocks on hand June 30	do	39,491	36,465	34,859	32,287	30,994	30,294	28,541

[1] Barrels of 31 wine gallons.
[2] Excludes ethyl alcohol.
[3] A tax gallon for spirits of 100 proof or over is equivalent to the proof gallon. For spirits of less than 100 proof the tax gallon is equivalent to the wine gallon.
[4] Includes ethyl alcohol.
[5] Excludes vermouth and other aperitif wines.
[6] Production represents total amount removed from fermenters, including distilling material (substandard *wines produced with excessive water or residue materials*). In 1953, 262,237,600 gallons of distilling materials were produced.
[7] Standard United States gallon.
[8] Excludes distilling materials.
[9] Includes champagne, other sparkling wines, and artificially carbonated wines.
[10] Tax is payable on each ½ *pint or fraction thereof* in each bottle or container.

Source: Treasury Department, Internal Revenue Service; *Annual Report of the Commissioner.*

No. 988.—Ethyl Alcohol and Other Distilled Spirits, Except Brandy and Spirits (Fruit)—Materials Used in Production, by Kinds: 1901 to 1953

Yearly average or year ending June 30—	Molasses (thousand gallons)	Grain (thousands of pounds) [1]				Ethyl sulphate	Pineapple juice	Other materials [3]	
		Corn	Malt	Rye	Other [2]	Thousand gallons		Thousand gallons	Thousand pounds
1901–1905	14,059	1,094,027	197,602	303,038	3,349				
1906–1910	30,630	1,114,277	202,720	280,112	1,893				
1911–1915	71,726	1,183,706	209,194	275,374	5,029				
1916–1920	109,627	958,003	125,429	65,139	5,298			49,457	
1921–1925	144,652	259,134	53,592	5,219	[4] 854			42,340	[5] 89,387
1926–1930	239,279	473,682	29,613	2,722	[5] 1,008	[6] 1,274		43,546	58,901
1931–1935	167,264	480,276	101,183	245,457	5,252	10,686	5,671	8,802	26,606
1936–1940	183,214	1,398,797	267,247	466,285	3,179	31,530	3,449	12,069	3,195
1941–1945	240,247	1,652,322	562,456	348,848	3,069,179	77,809	2,948	15,085	49,748
1946–1950	132,504	1,769,024	381,054	343,640	604,398	116,613	3,212	215,945	660,869
1946	117,520	1,370,401	537,373	463,822	1,968,362	103,306	2,374	152,899	648,435
1947	73,382	2,651,731	455,336	237,166	148,398	106,457	2,880	222,581	933,782
1948	178,502	1,583,653	344,099	368,989	617,559	109,245	4,909	249,189	274,026
1949	161,790	1,716,278	328,247	375,936	233,767	131,819	2,566	249,208	1,325,288
1950	131,327	1,523,057	240,216	272,288	53,902	132,237	3,331	205,850	72,816
1951	131,205	2,790,404	564,853	428,736	1,601,429	148,393	4,404	292,053	75,229
1952	160,801	1,624,372	294,647	235,281	855,593	168,020	7,498	315,744	72,128
1953	223,737	891,384	133,290	160,174	58,561	183,167	6,212	318,880	120,121

[1] Conversion factor used was 56 pounds per bushel when reported in bushels.
[2] Wheat, barley, rice, sorghum grain, etc., also mixtures of corn, malt, and rye.
[3] Diamalt, sulphite liquors, manioca meal, maguey juice, maple sirup, cider, corn sirup, potatoes, crude alcohols mixtures, cellulose pulp and chemical mixtures, ethylene gas, whey, etc.
[4] Average for 4 years.
[5] Average for 3 years.
[6] 1930 figure.

Source: Treasury Department, Internal Revenue Service; annual and special reports.

No. 989.—Distilled Spirits, Malt Liquors, and Wines—Apparent Average Annual Per Capita Consumption: 1850 to 1953

[In gallons, except distilled spirits which is shown in tax gallons]

Fiscal year	Distilled spirits			Malt liquors			Wines		
	Total	Domestic	Imported	Total	Domestic	Imported	Total	Domestic	Imported
1850	2.24	2.02	0.22	1.58	1.57	0.01	0.27	0.01	0.26
1860	2.86	2.67	.19	3.22	3.18	.04	.34	.06	.28
1870	2.07	1.89	.18	5.31	5.28	.03	.32	.08	.24
1871–1880 [1]	1.39	1.35	.04	6.93	6.90	.03	.47	.31	.16
1881–1890 [1]	1.34	1.31	.03	11.37	11.34	.03	.48	.30	.02
1891–1895 [1]	1.37	1.35	.02	15.20	15.15	.05	.39	.32	.07
1896–1900 [1]	1.12	1.10	.02	15.53	15.49	.04	.36	.31	.05
1901–1905 [1]	1.30	1.26	.03	17.34	17.29	.05	.47	.40	.07
1906–1910 [1]	1.43	1.39	.04	19.81	19.73	.08	.62	.53	.09
1915	1.26	1.23	.03	18.40	18.37	.03	.33	.27	.06
1920	.22	.22	(2)	2.61	2.61	(2)	.12	.12	(2)
1925 [3]	.09	.09	(2)				.03	.03	(2)
1930 [3]	.08	.08	(2)				.03	.03	(2)
1935	.70	.67	.03	10.45	10.44	.01	.30	.28	.02
1940	1.02	.93	.09	12.58	12.57	.01	.66	.63	.03
1945	1.22	1.05	.17	18.86	18.79	.07	.73	.70	.03
1946	1.39	1.27	.12	18.56	18.47	.09	.87	.82	.05
1947	1.28	1.17	.11	18.08	18.02	.06	.77	.74	.03
1948	1.06	.97	.09	18.58	18.56	.02	.79	.77	.02
1949	1.02	.92	.10	18.05	18.03	.02	.85	.83	.02
1950	1.02	.92	.10	17.26	17.24	.02	.93	.91	.02
1951	1.23	1.09	.14	16.97	16.95	.02	.87	.84	.03
1952	1.00	.87	.13	16.94	16.92	.02	.85	.82	.03
1953 [4]	1.10	.97	.13	16.71	16.68	.03	.90	.86	.04

[1] Average for the period. [2] Less than .005.
[3] Includes quantities withdrawn for certain manufacturing, compounding, medicinal, and sacramental uses.
[4] Preliminary.

Source: Department of Commerce, Business and Defense Services Administration.

No. 990.—Tobacco Products—Production, by Kind: 1901 to 1952

[Compiled from monthly returns of manufacturers. Data relate to products manufactured in continental United States, excluding those manufactured in customs bonded manufacturing warehouses, class 6. There were 189,876,380 large cigars manufactured in these warehouses in 1952. Large cigars are those weighing more than 3 pounds per thousand. See also *Historical Statistics*, series J 174 for data on cigarettes]

Calendar year or yearly average	Tobacco and snuff (thousands of pounds)						Cigars (thousands)		Cigarettes (thousands)	
	Total	Plug	Twist	Fine cut	Smoking [1]	Snuff	Large	Small	Large	Small
1901–1905	346,841	175,981		11,903	138,402	20,556	6,513,095	715,720	7,143	3,227,606
1906–1910	*413,054*	*167,460*	*13,524*	*12,525*	*192,700*	*26,845*	6,883,272	1,059,501	16,113	6,192,671
1911–1915	437,346	158,529	15,017	10,795	221,865	31,140	7,087,530	1,053,654	15,695	14,802,416
1916–1920	456,584	159,869	14,346	9,758	237,808	34,805	7,364,937	810,327	25,026	41,565,670
1921–1925	409,457	115,445	10,105	6,972	239,151	37,785	6,691,013	557,300	16,704	55,903,991
1926–1930	389,244	99,470	8,374	5,821	235,421	40,159	6,360,650	414,044	10,479	109,361,216
1931–1935	349,785	64,662	5,404	3,660	230,072	36,987	4,648,368	246,412	20,417	121,702,676
1936–1940	344,331	54,402	6,029	4,703	241,561	37,636	5,184,661	164,652	2,955	174,117,540
1941–1945	327,473	56,967	6,223	4,535	217,829	41,919	5,457,472	125,370	23,938	285,475,536
1946–1950	242,865	45,321	5,522	3,250	148,725	40,047	5,520,509	82,684	846	376,692,809
1939	343,307	51,263	5,733	4,701	243,640	37,970	5,197,627	156,940	4,369	180,666,824
1940	344,423	48,759	5,605	4,176	248,011	37,872	5,235,271	134,738	2,249	189,371,258
1941	342,427	50,230	5,614	5,069	241,897	39,616	5,610,178	146,711	1,799	217,934,925
1942	*330,413*	*54,300*	*6,024*	*5,084*	*224,002*	*41,003*	5,840,805	133,150	2,603	257,520,863
1943	327,089	58,945	6,257	4,460	214,249	43,179	5,363,027	125,480	6,117	206,173,333
1944	306,035	61,555	6,498	4,092	192,728	41,962	5,198,679	123,340	26,870	323,583,888
1945	330,502	59,704	6,723	3,970	216,271	43,834	5,274,675	98,167	82,416	332,164,670
1946	253,231	51,810	5,773	3,756	152,521	39,361	5,617,700	92,262	1,958	350,038,993
1947	242,283	47,306	5,152	3,793	146,889	39,163	5,487,053	79,690	537	369,682,769
1948	244,681	45,346	5,632	3,207	149,687	40,809	5,645,104	89,134	641	386,825,746
1949	*238,942*	*41,903*	*5,586*	*2,757*	*147,788*	*40,908*	*5,452,994*	*83,460*	*707*	*384,961,695*
1950	235,189	40,242	5,467	2,738	146,751	39,992	5,390,089	68,877	686	391,955,743
1951	227,151	39,918	4,551	2,817	140,412	39,453	5,594,291	69,216	815	418,801,801
1952 [2]	220,420	39,058	4,803	2,810	134,980	38,769	5,825,101	67,062	1,563	435,547,440

[1] Includes scrap chewing tobacco.

[2] Number of factories on Jan. 1, 1953: Tobacco and snuff (excluding 157 "quasi" manufacturers), 250; cigars, 1,303; cigarettes, 45.

Source: Treasury Department, Internal Revenue Service; *Annual Report of the Commissioner*.

No. 991.—Tobacco, Leaf—Amounts Consumed in the Manufacture of Cigars, Cigarettes, Chewing and Smoking Tobacco, and Snuff: 1896 to 1952

[**All figures in thousands of pounds.** Figures represent the equivalent in unstemmed leaf tobacco of stemmed leaf or scraps, cuttings, and clippings. In the following table the tobacco used in the manufacture of cigars and cigarettes was converted on the basis of 3 pounds of stemmed leaf or scraps, etc., to 4 pounds of unstemmed beginning 1915 (conversion prior to 1915 was at the ratio of 3 to 5) and of tobacco and snuff beginning 1903. For 1896 to 1902, tobacco used in manufactured tobacco and snuff was shown only under two heads, namely, "leaf" and "scraps." It is probable that stemmed leaf was included with unstemmed tobacco under the head of "leaf" without the one kind being converted to the equivalent in the other. The conversion ratio of 3 to 4 was applied only to "scraps" for these years. Data exclude tobacco used in bonded manufacturing warehouses. See also *Historical Statistics*, series J 171, for annual total consumption]

Calendar year or yearly average	Total	Cigars	Cigarettes	Tobacco and snuff	Calendar year	Total	Cigars	Cigarettes	Tobacco and snuff
1896–1900	359,053	87,851	16,235	254,967	1939	885,299	122,681	509,133	253,485
1901–1905	451,461	124,411	12,444	314,606	1940	922,716	126,835	535,218	260,663
1906–1910	524,193	139,206	22,079	362,908	1941	1,009,085	136,056	626,842	246,178
1911–1915	578,283	151,890	52,207	374,186	1942	1,131,065	140,679	754,550	235,837
1916–1920	650,460	155,312	130,320	364,828	1943	1,228,703	131,896	860,459	236,349
1921–1925	672,077	151,421	198,069	322,588	1944	1,254,541	129,882	920,418	204,241
1926–1930	762,540	149,240	312,533	300,767	1945	1,291,176	128,390	944,286	218,499
1931–1935	740,934	112,296	345,985	282,652	1946	1,306,667	137,539	1,000,938	168,190
1936–1940	878,722	124,700	492,296	261,726	1947	1,355,117	135,338	1,055,594	164,185
1941–1945	1,182,914	133,383	821,311	228,221	1948	1,400,091	139,823	1,099,176	161,092
1946–1950	1,367,515	133,056	1,071,586	162,873	1949	1,382,348	125,173	1,096,154	161,020
1936	847,367	126,578	453,327	267,462	1950	1,303,355	127,409	1,106,067	159,878
1937	872,924	128,653	479,961	264,309	1951	1,464,663	139,819	1,184,633	150,211
1938	865,302	118,751	483,840	262,710	1952	1,521,851	138,019	1,239,622	144,210

Source: Treasury Department, Internal Revenue Service; *Annual Report of the Commissioner*.

No. 992.—Broad Woven Fabrics—Production, by Type: 1947 to 1953

[In thousands of linear yards; in terms of gray goods except woolen and worsted which are in terms of finished yardage. Fabrics composed of a mixture of fibers classified according to primary fiber content except as noted]

PRODUCT	1947	1949	1950	1951	1952	1953 (prel.)
Total broad woven goods	12,371,120	10,933,274	13,105,067	12,887,241	12,160,416	12,930,286
Cotton woven goods over 12 inches in width, except tire fabrics, total	9,816,769	8,416,523	10,027,037	10,135,969	9,514,732	10,179,969
Cotton duck	206,415	216,816	248,890	362,777	366,081	276,001
Narrow sheeting and allied coarse and medium yarn fabrics	2,368,084	1,764,965	2,025,071	2,118,627	1,750,085	1,778,265
Print cloth yarn fabrics	3,220,025	3,158,320	3,663,449	3,709,429	3,638,293	3,948,737
Napped fabrics	502,393	338,090	412,965	408,682	287,790	292,191
Colored yarn cotton goods and related fabrics	751,749	653,162	860,318	779,053	827,362	868,615
Fine cotton goods (all combed, part-combed, and fine carded goods)	1,312,582	1,009,935	1,218,381	1,233,133	1,112,721	1,307,214
Towels, toweling, washcloths, and terry-woven fabrics other than towels	408,606	349,788	453,662	421,607	428,358	475,900
Wide cotton fabrics	670,891	590,550	711,620	717,626	666,854	759,237
Specialties and all other fabrics	367,024	334,069	432,681	385,035	427,188	474,809
Rayon and acetate broad woven fabrics, total	1,976,835	1,957,105	2,406,205	2,083,836	1,851,693	1,922,929
Pile, upholstery, drapery, tapestry, and tie fabrics	57,060	29,860	37,763	36,496	50,119	58,153
100 percent filament rayon and/or acetate fabrics, total	1,236,805	1,296,675	1,601,252	1,296,967	986,722	1,084,178
Flat fabrics	652,252	755,141	860,375	788,280	710,693	709,694
Twisted yarn fabrics	584,553	540,534	740,907	528,687	276,029	374,484
100 percent spun rayon and/or acetate fabrics	332,451	340,603	434,085	407,601	407,278	435,349
Combination filament and spun rayon and/or acetate fabrics	178,982	184,533	202,450	190,238	227,074	142,199
All other rayon mixtures	171,537	105,434	130,625	152,534	180,505	203,020
Woolen and worsted woven fabrics, total [1]	515,843	414,382	470,513	375,400	351,359	333,861
Apparel fabrics	448,388	351,172	390,638	316,411	307,951	286,478
Woolen	245,138	208,860	215,113	163,060	198,268	(2)
Worsted	203,250	142,303	175,525	153,351	109,683	(2)
Nonapparel fabrics	67,455	63,210	79,875	58,989	43,408	47,383
Silk, nylon, glass, and other fabrics, total [3]	61,673	145,264	201,312	292,036	442,632	493,519
100 percent nylon fabrics	21,881	92,997	110,233	167,561	279,168	302,292
100 percent silk fabrics	9,986	15,380	28,213	25,147	34,498	34,953
Other woven fabrics, not classified above	29,806	36,887	62,866	99,328	128,966	156,244

[1] *Prior to 1951*, includes all fabrics containing 25 to 49 percent wool; in 1951, approximately 43 million yards of such fabrics were produced.
[2] Not available.
[3] Includes fabrics made of acrylic, vinyl, protein, etc., fibers.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and *Facts for Industry*, Series M15A, M15C, and M15H.

No. 993.—Tire Cord and Fabric—Production by Kind: 1939 to 1953

[In thousands of pounds]

PRODUCT	1939	1947	1950	1951	1952	1953 (prel.)
Tire cord and fabrics, total	260,473	565,261	523,033	603,913	530,980	520,185
Cotton	260,473	350,685	226,050	289,160	139,001	72,394
Tire cord fabrics woven (except chafer)	146,969	[1] 285,076	126,806	168,920	74,834	[1] 16,113
Chafer fabrics and all other tire fabrics	17,420	65,609	60,055	65,124	48,280	56,281
Tire cord not woven	97,084	(1)	38,589	55,116	15,887	(2)
Rayon	(2)	[3] 214,576	[3] 296,983	[3] 314,753	383,897	428,941
Tire cord fabrics and all other tire fabrics	(2)	188,938	246,901	278,805	315,024	351,287
Tire cord not woven	(2)	25,638	50,082	35,948	68,873	77,654
Nylon					8,082	18,850

[1] *Data for tire cord not woven included with tire cord fabrics woven.*
[2] Not available.
[3] Includes nylon.

Source: Department of Commerce, Bureau of the Census; 1939 and 1947 Census of Manufactures reports, and *Facts for Industry*, Series M15A.

No. 994.—Cotton-System Spindles, Cotton Consumption, and Stocks: 1840 to 1953

[Statistics for 1915 to 1949 relate to 12 months ending July 31 and those for prior years to 12 months ending Aug. 31. For 1946–53, spindles in place include all cotton-system spindles in place regardless of fiber spun. Prior to 1946, "in place" figure represents all spindles in place used exclusively for spinning cotton. Consumption and stocks are expressed in running bales, counting round as half bales, except that all figures, 1840 to 1870, inclusive, and foreign cotton for all years are in equivalent 500-pound bales. See also *Historical Statistics*, series J 179–180 for data on active cotton-system spindles in the U. S. and total cotton consumed including linters]

Year	Cotton-system spindles (thousands)					Spindle hours consuming 100% cotton (millions)	Cotton consumed, excluding linters (thousands of bales) [2]			
	Total in place	Active [1]								
		United States	Cotton-growing States	New England	Other States		United States	Cotton-growing States	New England	Other States
1840	(3)	2,285	181	1,597	506	(3)	237	71	159	7
1850	(3)	3,998	265	2,959	775	(3)	576	78	431	67
1860	(3)	5,236	324	3,859	1,053	(3)	845	94	567	184
1870	(3)	7,132	328	5,498	1,306	(3)	797	69	551	177
1880	(3)	[4] 10,653	[4] 561	[4] 8,632	[4] 1,460	(3)	[4] 1,570	[4] 189	[4] 1,129	[4] 252
1890	(3)	14,384	1,570	10,934	1,880	(3)	2,518	539	1,502	477
1900	(3)	19,472	4,368	13,171	1,933	(3)	3,873	1,523	1,909	440
1910	28,929	28,267	10,494	15,735	2,038	(3)	4,622	2,234	1,995	393
1920	35,834	35,481	15,231	18,287	1,963	(3)	6,420	3,583	2,397	440
1925	37,929	35,032	17,292	15,975	1,765	91,055	6,193	4,220	1,639	336
1930	34,025	31,245	18,586	11,351	1,308	87,515	6,106	4,749	1,143	214
1935	30,093	26,701	18,212	7,763	726	72,526	5,361	4,306	818	237
1940	24,750	23,586	17,641	5,279	666	97,006	7,784	6,647	918	219
1945	23,128	22,675	17,610	4,511	554	111,898	9,568	8,455	891	222
1946	23,862	22,777	17,700	4,526	551	105,368	9,103	8,074	854	235
1947	23,824	22,519	17,502	4,541	476	114,727	10,025	8,776	968	281
1948	23,798	22,675	17,807	4,429	439	119,017	9,354	8,254	887	213
1949	23,501	20,134	16,491	3,276	367	98,217	7,795	6,986	644	165
1950	22,995	21,700	17,673	3,739	378	109,243	8,851	8,030	664	157
1951	23,195	22,140	18,129	3,637	374	126,852	10,654	9,642	840	172
1952	23,205	21,208	18,119	2,927	252	106,932	9,120	8,443	559	118
1953	22,903	21,423	18,128	3,066	229	118,206	9,424	8,731	601	92

Yearly average or year	Consumption (thousands of bales)						Stocks in consuming establishments at end of year (thousands of bales)			
	Cotton, excluding linters					Linters	Cotton, excluding linters [5]			Linters
	Total	Domestic			Foreign		Total	Domestic	Foreign	
		Total	Upland	Sea Island	American-Egyptian					
1906–1910	[6] 4,829	[6] 4,680	[6] 4,616	[6] 64	----	149	[7] 163	[6] 731	[6] 673	58	[7] 39
1911–1915	5,257	5,051	[8] 4,976	75	(8)	206	293	822	738	84	86
1916–1920	6,388	6,105	[8] 6,034	71	(8)	282	734	1,452	1,352	100	179
1921–1925	5,869	5,577	5,531	9	37	292	599	1,003	911	92	139
1926–1930	6,735	6,434	6,419	1	15	301	815	1,150	1,050	100	186
1931–1935	5,466	5,325	5,311	1	14	140	720	1,116	1,061	55	261
1936–1940	6,938	6,799	6,780	2	18	139	836	7,133	7,060	74	276
1941–1945	10,301	10,151	10,105	3	42	149	1,399	10,354	10,233	121	391
1946–1950	9,033	8,829	8,820	1	8	209	1,243	4,678	4,570	108	218
1945	9,568	9,448	9,404	1	44	120	1,481	10,339	10,215	124	247
1946	9,103	8,966	8,946	1	19	197	1,055	6,746	6,593	153	255
1947	10,025	9,765	9,755	1	9	260	984	2,310	2,178	132	201
1948	9,354	9,109	9,101	2	5	246	1,156	2,806	2,717	89	190
1949	7,795	7,634	7,629	1	4	161	1,406	5,031	4,962	69	237
1950	8,851	8,669	8,666	1	2	182	1,616	6,496	6,399	97	208
1951	10,654	10,487	10,452	1	34	167	1,396	2,144	2,032	112	171
1952	9,120	9,036	9,011	1	24	84	1,306	2,569	2,500	69	241
1953	9,424	9,292	9,280	1	11	132	1,359	5,346	5,252	94	122

[1] For 1945 and earlier years data represent sum of greatest number of cotton spindles reported by each mill as active at any time during year, regardless of length of time operated. Beginning with 1946, active figure includes all cotton-system spindles active last day of year, regardless of type of fiber spun. On Aug. 1, 1953, there were 20,052,000 spindles active on cotton, 1,169,000 on synthetics, 202,000 on other fibers and blends, and 1,480,000 idle.

[2] Includes linters for 1840 to 1908. Figures for all years include foreign and domestic cotton.

[3] Not available. [4] Cotton mills only.

[5] Includes stocks held in public storage and at compresses beginning 1938.

[6] Includes linters for 1906 to 1908. [7] Average, 1909 and 1910.

[8] "Upland" includes "American-Egyptian" beginning 1912 (first year produced).

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution*.

No. 995.—Cotton-System Spindle Activity, 1951, 1952, 1953, and Cotton Consumption, 1949 to 1953, by Region and State

[**Years ending July 31.** Consumption includes domestic and foreign cotton and is in running bales counting round as half bales, except foreign cotton which is in equivalent 500-pound bales]

Region and State	Cotton spindles in place (thousands) [1]			Spindle hrs. consuming 100% cotton (millions)			Cotton consumed, excluding linters (thousands of bales)				
	1951	1952	1953	1951	1952	1953	1949	1950	1951	1952	1953
United States	23,195	23,205	22,903	126,852	106,932	118,206	7,795	8,851	10,654	9,120	9,424
Cotton-growing States	18,545	18,857	18,913	107,474	95,044	104,188	6,986	8,030	9,642	8,443	8,731
New England	4,241	4,024	3,704	18,043	11,051	13,420	644	664	840	559	601
Other States	409	324	286	1,335	837	598	165	157	172	118	92
Alabama	1,782	1,722	1,739	10,836	9,309	10,062	945	1,088	1,312	1,122	1,133
Connecticut	467	453	378	1,814	1,209	1,225	48	56	72	51	52
Georgia	3,225	3,272	3,249	19,288	16,492	17,734	1,600	1,879	2,370	1,992	1,914
Maine	625	610	606	3,253	2,327	2,890	147	170	207	166	189
Massachusetts	2,193	2,041	1,904	8,980	5,057	6,348	340	310	392	244	253
New York	6,069	125	87	688	345	152	71	61	66	38	22
North Carolina	691	6,127	6,114	32,614	28,344	31,513	2,098	2,433	2,870	2,483	2,673
Rhode Island	210	688	585	2,556	1,537	1,994	53	69	84	50	60
South Carolina	5,839	6,033	6,104	35,332	32,843	36,258	1,740	1,953	2,276	2,155	2,300
Tennessee	527	530	523	3,118	2,639	2,852	179	200	235	197	205
Texas	213	226	229	1,164	1,050	1,085	144	153	175	149	144
Virginia	649	648	648	3,563	2,922	3,136	154	186	233	189	197
All other States	755	730	737	3,646	2,858	2,957	276	293	362	284	277

[1] Includes all cotton-system spindles in place regardless of fiber spun.

Source: Department of Commerce, Bureau of the Census; annual report, *Cotton Production and Distribution.*

No. 996.—Cotton and Synthetic Woven Goods, Bleached, Dyed or Printed: 1947 to 1952

[**In thousands of linear yards.** Data cover bleaching, dyeing, and printing of cotton and synthetic woven textiles. Fabrics are classified by chief fiber content]

Product	1947	1948	1949	1950	1951	1952 (prel.)
Bleached, dyed or printed goods	8,915,147	8,840,437	8,290,712	9,328,681	8,894,416	9,825,644
Cotton	6,944,456	6,779,692	6,239,821	7,063,046	6,875,015	7,534,388
Synthetic and silk [1]	1,970,691	2,060,745	2,050,891	2,265,635	2,019,401	2,291,256
Bleached and white finished goods	3,814,867	3,529,268	2,980,233	3,466,795	3,547,803	3,607,567
Cotton	3,616,001	3,316,637	2,812,950	3,296,423	3,378,848	3,382,173
Synthetic and silk [1]	198,866	212,631	167,283	170,372	168,955	225,394
Plain dyed and finished goods	3,176,320	3,340,402	3,505,218	3,950,245	3,699,938	4,200,610
Cotton	1,757,386	1,819,096	1,942,034	2,166,113	2,094,618	2,413,188
Synthetic and silk [1]	1,418,934	1,521,306	1,563,184	1,784,132	1,605,320	1,787,422
Printed and finished goods [2]	1,923,960	1,970,767	1,805,261	1,911,641	1,646,675	2,017,467
Cotton	1,571,069	1,643,959	1,484,837	1,600,510	1,401,549	1,739,027
Synthetic and silk [1]	352,891	326,808	320,424	311,131	245,126	278,440

[1] Includes fabrics made of rayon, acetate, nylon, silk, glass, acrylic fibers, etc.
[2] Includes roller, screen, flock and block printed fabrics.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry, Series M15G.*

No. 997.—Wool Manufacturing Equipment in Place, 1943 to 1953, and by Region and State, 1949

[Data as of end of year. Machinery in place is that which is set up in operating position]

Year, region, and state	Worsted combs	Woolen spinning spindles	Worsted spinning spindles	Woolen and worsted looms	Wool carpet and rug looms	
					Broad	Narrow
1943	2,582	1,653,550	1,957,593	42,213	2,422	3,488
1947	2,656	1,561,198	1,920,642	38,572	2,329	3,354
1948	2,679	1,535,127	1,863,336	38,146	2,359	3,209
1949	2,720	1,423,860	1,836,744	37,493	2,307	2,901
1950	2,808	1,308,139	1,814,430	36,337	2,338	2,550
1951	2,859	1,233,468	1,811,394	34,817	2,245	2,219
1952	2,694	1,127,077	1,691,088	33,811	2,226	2,262
1953 [1]	2,614	1,069,919	1,620,464	31,866	2,183	2,246
1949						
United States	**2,720**	**1,423,860**	**1,836,744**	**37,493**	**2,307**	**2,901**
New England	1,915	749,919	1,266,740	21,695	880	
Connecticut	[2]	128,573	[2]	2,083	[2]	
Maine	[2]	138,332	84,500	3,417	[2]	
Massachusetts	1,185	279,789	618,536	8,830	[2]	
New Hampshire	[2]	112,045	53,520	2,618	[2]	
Rhode Island	601	48,886	472,876	3,947	[2]	
Vermont	[2]	42,294	[2]	800	[2]	
Middle Atlantic	671	339,539	414,130	8,090	3,909	
New Jersey	403	53,957	153,622	2,324	458	
New York	74	173,845	67,668	1,814	2,050	
Pennsylvania	194	111,737	192,840	3,952	1,401	
Southern [3]	[2]	165,756	95,838	4,654	[2]	
North Central [4]	80	138,854	46,100	2,532	[2]	
Western [5]	[2]	29,792	13,936	522		

[1] June data.
[2] Not shown separately to avoid disclosing information for individual establishments.
[3] Ala., Del., Ga., Ky., N. C., S. C., Tenn., Texas, Va., W. Va., Md., and Okla.
[4] Ill., Ind., Iowa, Mich., Minn., Mo., Ohio, S. Dak., and Wis.
[5] Calif., Oreg., Utah, Wash., and Wyo.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M15H.

No. 998.—Knit Goods: Cloth, Underwear, and Outerwear—Production by Type: 1947 to 1952

Product	Unit	1947	1950	1951	1952
Knit cloth for sale, total [1]	Million pounds	152.6	162.8	148.7	169.0
Warp knit fabrics	do	41.5	47.2	43.8	52.6
Circular knit fabrics	do	111.1	115.6	104.9	116.5
Knit underwear and nightwear:					
Made from warp knit fabrics, all fibers	Thousand dozens	7,708	16,617	17,823	21,605
Made from circular knit fabrics:					
Rayon, silk, and synthetics	do	10,932	12,371	11,197	9,508
Cotton and wool	do	40,557	43,271	41,744	41,930
Knit outerwear:					
Sweaters, jackets, and jerseys	do	6,677	8,733	7,722	8,228
Bathing suits and trunks	do	500	328	201	225
Knit headwear and neckwear	do	1,556	1,599	1,578	1,881

[1] Figures for 1950, 1951, and 1952 represent shipments.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M15K, M67C, and M67G.

No. 999.—Women's, Misses', and Juniors' Outerwear: 1939 to 1952

Type of garment	Unit	Garments cut					
		1939	1947	1949	1950	1951	1952
Blouses	1,000 dozens	2,886	7,496	9,329	10,764	12,049	13,004
Unit price dresses	1,000 units	194,383	127,791	147,023	139,607	138,868	145,919
Dozen price dresses	do		75,456	105,936	9,097	8,508	9,362
Suits	do	4,237	14,352	15,643	18,048	18,178	16,687
Skirts	1,000 dozens	1,084	2,020	3,691	4,784	4,660	5,551
Untrimmed coats	1,000 units	17,428	18,956	22,022	22,598	21,995	24,836
Fur-trimmed coats	do		1,924	1,927	2,105	1,907	1,792

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Facts for Industry*, Series M67H.

No. 1000.—Men's and Boys' Clothing—Selected Garments Cut: 1937 to 1953

[Leaders indicate comparable data not available]

Type of garment and unit of measure	1937	1939	1947	1950	1951	1952	1953 [1]
Suits, thousands	23,743	27,354	28,882	27,145	22,110	22,248	
Men's and youths', do	20,733	24,737	26,428	23,695	19,559	19,336	21,774
Boys', do	3,010	2,617	2,464	3,450	2,551	2,912	
Separate trousers, do			60,905	65,819	59,562	67,929	
Separate coats, do			5,286	8,855	8,361	10,748	
Men's and youths', do			4,760	7,039	6,328	8,151	
Boys', do			526	1,816	2,033	2,597	
Dress and sport shirts, men's and youths', thousand dozens	[2] 12,027	13,362	17,042	18,100	16,614	18,016	20,874
Overalls, do	4,114	3,973	6,807	9,824	8,670	9,050	
Men's and youths', do			4,241	6,100	5,215	5,277	5,982
Boys', do			2,566	3,724	3,455	3,773	
Work shirts (includes flannel), do	6,062	6,850	5,815	5,796	5,669	5,643	
Men's and youths', do			4,959	5,471	5,315	5,162	4,827
Boys', do			856	325	354	481	

[1] Preliminary.
[2] Includes polo, tennis, and basque shirts of knitted fabrics.

Source: Department of Commerce, Bureau of the Census; monthly data published in *Facts for Industry*, Series M67B.

No. 1001.—Shoes and Slippers (except Rubber Footwear)—Production by Class: 1939 to 1953

[Thousands of pairs]

Class	1939	1947	1950	1951	1952	1953
Total	435,259	484,964	512,374	469,599	508,534	501,180
Dress and work shoes	361,578	398,084	366,308	340,500	364,740	362,385
Men's dress, including moccasin type dress shoes	76,637	84,957	75,156	71,681	77,294	74,664
Men's work, including moccasins	28,125	21,786	26,700	33,501	23,868	22,613
Youths' and boys'	17,316	19,829	16,580	14,446	18,303	17,558
Women's, including sandal type dress shoes	168,777	182,816	158,488	141,554	156,043	155,741
Misses', including sandal type dress shoes	46,091	27,026	26,899	23,290	27,407	27,891
Children's		26,262	24,595	22,217	25,840	26,977
Infants'	24,632	20,906	24,210	21,608	22,637	23,956
Babies'		14,502	13,680	12,303	13,348	12,985
Slippers for housewear	49,663	47,652	55,536	47,468	50,956	54,772
Athletic shoes	4,144	4,233	3,644	2,759	2,697	3,219
Play shoes	19,874	31,839	82,536	74,976	85,998	77,692
Footwear, not specified by kind		3,156	4,350	3,906	4,143	3,112

Source: Department of Commerce, Bureau of the Census; 1939 and 1947 Census of Manufactures reports, and *Facts for Industry*, Series M68A.

No. 1002.—Hosiery—Production, by Type: 1947 to 1953

[In thousands of dozens of pairs]

TYPE	1947	1948	1949	1950	1951	1952	1953
Total, all types	149,545	147,027	144,512	160,486	154,750	163,264	158,788
Women's full-fashioned, total	38,875	44,706	45,228	51,585	51,183	51,806	50,657
Silk	1,098	408	313	229	190	120	112
Nylon	33,494	42,867	44,569	51,032	50,740	51,455	50,334
Rayon	3,919	1,239	187	111	98	75	46
Cotton	300	143	134	196	141	137	148
All other yarns	64	54	25	17	14	19	17
Seamless, total (including men's full-fashioned)	110,669	102,321	99,284	108,901	103,567	111,458	108,131
Women's seamless, total	11,246	8,517	7,695	7,449	7,651	7,672	8,552
Silk	3	42	25	3		5	1
Nylon	3,843	3,796	3,630	4,303	4,885	5,115	6,272
Rayon	3,084	1,638	1,476	1,161	1,104	896	713
Cotton	3,318	2,373	2,231	1,619	1,360	1,381	1,259
Wool	105	108	77	80	59	41	65
Ribbed hose	893	560	256	283	243	234	242
Men's full-fashioned	129	105	70	35	37	43	36
Men's seamless half-hose, total	24,662	16,131	14,430	14,023	13,077	14,376	11,904
Silk	19	21	8	4	2	7	(1)
Nylon	450	295	484	605	559	678	503
Rayon	8,634	6,140	4,375	4,281	3,631	3,014	2,641
Cotton	12,156	7,953	7,557	7,271	7,518	8,049	6,723
Wool	3,401	1,722	2,006	1,862	2,267	2,621	2,030
Synthetics, other						7	7
Men's slack socks, total	21,911	25,939	26,507	32,438	30,136	32,302	31,527
Silk	49	33	4	4	11	3	2
Nylon	648	828	2,280	3,038	3,241	4,009	5,163
Rayon	*8,143*	9,444	*6,756*	*7,802*	*6,850*	*6,071*	*5,178*
Cotton	11,657	14,609	16,457	20,291	18,895	20,868	19,820
Wool	1,414	1,025	1,010	1,303	1,139	1,144	1,134
Synthetics, other						207	230
Cotton bundle goods	5,627	6,077	5,311	5,511	5,212	4,723	4,291
Woolen bundle goods	1,830	1,747	1,642	1,547	1,834	1,603	1,267
Athletic socks	1,610	1,806	2,108	2,364	2,067	1,840	1,797
Crew socks	3,239	2,785	2,994	3,082	2,810	2,953	2,966
Slipper socks				440	493	340	230
Children's and infants'	8,221	8,408	8,563	9,465	9,893	10,979	9,771
Anklets, total	32,195	30,806	29,964	32,557	29,457	34,627	35,790
Misses' and women's	16,680	13,449	14,099	14,183	13,251	14,427	15,279
Men's and boys'	3,673	3,382	3,245	4,190	3,837	5,046	5,351
Children's	5,809	6,750	6,690	8,130	6,703	9,224	9,449
Infants'	6,033	7,225	5,930	6,054	5,666	5,930	5,711

[1] Less than 500 dozen pairs.

Source: National Association of Hosiery Manufacturers, New York, N. Y.; published annually in *Hosiery Statistics*.

No. 1003.—Leather—Production, by Principal Types of Raw Stock: 1937 to 1953

[Cattle hide in thousands of hides, other figures in thousands of skins]

YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb[1]	YEAR	Cattle hide	Calf and kip	Goat and kid	Sheep and lamb[1]
1937	22,380	12,027	46,554	34,232	1946	27,033	10,882	24,137	47,971
1938	19,047	12,991	31,905	28,941	*1947*	*28,813*	*12,471*	*37,250*	*36,555*
1939	22,095	14,027	40,419	39,384	1948	26,071	10,484	37,931	33,532
1940	21,013	11,387	37,697	37,920	1949	23,388	10,173	34,752	28,736
1941	28,099	13,098	45,355	51,865	1950	24,385	10,659	37,183	31,397
1942	30,822	12,264	41,122	53,634	1951	22,708	7,962	31,091	24,504
1943	25,656	11,112	37,351	59,315	1952	22,675	9,964	30,427	27,916
1944	26,114	10,930	34,666	53,959	1953	24,024	9,958	32,164	27,988
1945	27,576	11,636	24,026	51,847					

[1] Prior to 1940, includes skivers and excludes fleshers; beginning 1940, includes fleshers and excludes skivers.

Source: Tanners' Council of America. Monthly figures published in *Survey of Current Business*.

No. 1004.—Rubber (Natural, Reclaimed, and Synthetic)—New Supply, Distribution, and Stocks: 1946 to 1953

[*In tons of 2,240 pounds.* Natural rubber refers to dry weights of all types, including liquid latex, guayule, etc. Synthetic includes GR-S, Neoprene, Butyl, and Butadiene-Acrylonitrile; reclaimed includes both natural and synthetic rubber reclaims]

ITEM	1946	1947	1948	1949	1950	1951	1952	1953
New supply, total	1,444,074	1,489,562	1,506,225	1,295,552	1,620,112	1,954,869	1,899,013	1,806,706
Domestic production	1,036,660	800,097	755,204	617,719	789,190	1,211,092	1,071,952	1,143,991
Natural	12							
Reclaimed	295,612	291,395	266,861	224,029	313,006	365,933	273,386	295,550
Synthetic	740,026	508,702	488,343	393,690	476,184	845,159	798,566	848,441
Imports	408,424	689,465	751,021	677,833	830,922	743,777	827,061	662,715
Natural	400,675	688,354	735,340	660,566	804,142	732,925	805,575	647,149
Reclaimed	40	18	10	25	1,059	767	1,595	2,786
Synthetic	7,709	1,093	15,671	17,242	25,721	10,085	19,891	12,780
Distribution, total	1,406,202	1,440,764	1,353,492	1,234,685	1,590,324	1,586,993	1,577,720	1,660,249
Domestic consumption	1,314,706	1,410,722	1,330,517	1,211,582	1,562,290	1,560,419	1,541,415	1,617,609
Natural	277,597	562,661	627,332	574,522	720,268	454,015	453,846	553,473
Reclaimed	275,410	288,395	261,113	222,679	303,733	347,507	280,532	282,050
Synthetic	761,699	559,666	442,072	414,381	538,289	758,897	807,037	782,086
Exports	91,496	30,042	22,975	23,103	28,034	26,574	36,305	42,640
Natural	4,338	4,101	6,673	6,258	8,640	2,603	3,024	8,376
Reclaimed	14,461	14,556	11,428	10,367	11,741	14,722	11,180	11,597
Synthetic	72,697	11,385	4,874	6,483	7,653	9,249	22,101	22,667
Stocks, end of year[1]	387,926	227,347	289,304	232,936	177,681	251,603	244,911	320,480
Natural	237,467	129,038	141,541	106,619	89,215	76,560	95,280	112,316
Reclaimed	33,666	35,943	32,630	28,263	35,708	45,082	30,664	32,319
Synthetic[2]	116,793	62,366	115,133	98,054	52,758	129,952	118,987	175,845

[1] Differences between "new supply" and "distribution" not precisely comparable with "stocks" due to year-end and inventory adjustments. [2] Includes stocks shipped for export which had not yet cleared port.

Source: Department of Commerce, Business and Defense Services Administration. Monthly data published in *Survey of Current Business.*

No. 1005.—Synthetic Organic Chemicals—Production and Sales, by Group: 1951 and 1952

GROUP	1951			1952		
	Production	Sales[1]	Sales value[1]	Production	Sales[1]	Sales value[1]
ORGANIC CHEMICALS, CYCLIC						
	1,000 lbs.	*1,000 lbs.*	*$1,000*	*1,000 lbs.*	*1,000 lbs.*	*$1,000*
Intermediates	4,627,925	1,801,980	337,676	4,171,124	1,544,388	290,278
Finished products	4,718,024	3,957,781	1,780,312	4,514,914	4,004,088	1,663,008
Dyes	187,082	159,992	176,679	145,209	148,603	170,699
Color index	129,818	113,530	92,450	101,131	101,640	83,975
Prototype	32,354	26,215	46,560	24,101	25,457	46,532
Ungrouped	24,910	20,247	37,669	19,977	21,506	40,192
Lakes and toners	47,272	40,109	52,691	38,779	35,666	48,748
Medicinals	61,315	48,757	477,429	55,803	42,828	407,207
Flavor and perfume materials	18,934	14,812	23,291	15,585	14,311	19,278
Plastics and resin materials	1,421,762	1,162,542	326,560	1,351,329	1,112,786	310,239
Rubber processing chemicals	116,009	87,642	43,927	107,905	77,718	42,054
Elastomers (synthetic rubbers)	1,560,856	1,406,196	351,549	1,393,559	1,513,986	361,112
Pesticides and other organic agricultural chemicals	406,966	318,801	134,550	371,890	289,441	110,559
Miscellaneous	897,828	728,930	193,646	1,034,875	768,749	193,012
ORGANIC CHEMICALS, ACYCLIC						
Intermediates and finished products	18,253,406	8,805,706	1,753,607	17,433,163	8,835,545	1,823,745
Medicinals	12,228	8,779	26,823	11,012	7,955	22,595
Flavor and perfume materials	10,872	10,498	17,208	12,177	12,176	20,467
Plastics and resin materials	1,019,670	871,574	384,860	981,863	932,218	417,010
Rubber-processing chemicals	22,460	19,069	13,748	19,395	16,589	11,701
Elastomers (synthetic rubbers)	442,279	421,573	163,231	495,324	489,406	167,620
Pesticides and other organic agricultural chemicals	57,032	45,618	15,512	45,734	41,874	22,700
Miscellaneous	16,688,875	7,428,597	1,132,225	15,867,658	7,335,327	1,147,652

[1] Excludes quantity and value of interplant transfers.

Source: U. S. Tariff Commission; annual report, *Synthetic Organic Chemicals, United States Production and Sales.*

No. 1006.—Chemicals—Production, by Kind: 1947 to 1953

[Data for chemicals shown are restricted to a selected group comprised for the most part of inorganic chemicals and related products which are sufficiently important economically to justify publication. Data for production by Government-owned arsenals, ordnance works, and certain plants operated for Government by private industry are excluded, except that data for chemicals manufactured by Tennessee Valley Authority are included]

CHEMICAL AND BASIS	Unit	1947	1950	1951	1952	1953 [1]
Ammonia, synthetic anhydrous	Short tons	1,114,000	1,565,569	1,767,043	2,052,114	2,286,454
Ammonium nitrate, original solution ($100\%NH_4NO_3$).	do	1,086,869	1,213,911	1,346,443	1,467,341	1,561,434
Ammonium sulfate, synthetic (technical) [2]	do	195,848	1,137,721	622,084	812,795	544,578
Calcium carbide (commercial)	do	607,113	671,492	775,284	703,241	793,335
Calcium phosphate, dibasic ($100\%CaHPO_4$)	do	41,323	53,046	52,033	69,892	100,937
Carbon, activated [3]	do	35,548	37,921	41,056	32,446	42,525
Carbon dioxide:						
Liquid and gas and solid (dry ice) [4]	do	477,800	639,906	644,246	696,388	733,056
Chlorine, gas [5]	do	1,443,219	2,084,161	2,517,913	2,608,690	2,796,070
Chrome green (C. P.)	do	6,991	7,688	7,766	7,145	7,449
Chrome yellow and orange (C. P.)	do	23,235	27,098	31,046	24,683	25,712
Hydrochloric acid ($100\%HCl$)	do	442,558	618,784	693,541	683,742	771,241
Hydrofluoric acid, anhydrous and technical ($100\%H_2F_2$).	do	27,933	35,174	43,660	41,512	51,048
Hydrogen	Mil. cu. ft	21,185	45,163	[6] 26,442	[6] 26,732	[6] 26,050
Methanol (natural) ($100\%CH_3OH$)	M gallons	2,598	2,082	2,017	2,162	1,984
Molybdate chrome orange (C. P.)	Short tons	2,238	3,905	4,021	3,505	4,131
Nitric acid ($100\%HNO_3$)	do	1,189,411	1,335,718	1,512,609	1,639,014	1,764,363
Oxygen	Mil. cu. ft	14,429	17,848	22,282	22,872	25,279
Phosphoric acid, total ($50\%H_3PO_4$)	Short tons	1,012,971	1,640,599	1,845,727	2,061,099	2,486,430
Silver nitrate ($100\%AgNO_3$)	M ounces	38,336	55,549	60,452	59,620	63,151
Soda ash (commercial sodium carbonate):						
Ammonia soda process—						
Total wet and dry ($98\text{–}100\%Na_2CO_3$) [7]	Short tons	4,524,668	3,991,199	5,093,927	4,442,450	4,879,408
Finished light ($98\text{–}100\%Na_2CO_3$) [8]	do	2,206,590	2,049,806	2,575,677	2,316,508	2,571,651
Finished dense ($98\text{–}100\%Na_2CO_3$)	do	1,629,406	1,410,110	1,802,022	1,591,177	1,770,589
Natural (Na_2CO_3 equivalent) [9]	do	276,428	338,379	363,951	321,131	423,706
Sodium bicarbonate (refined) ($58\%Na_2O$)	do	124,611	101,365	119,121	95,605	107,322
Sodium bichromate and chromate	do	90,285	89,829	127,634	88,905	108,245
Sodium hydroxide (caustic soda): [10]						
Liquid ($100\%NaOH$)	do	2,103,150	2,510,720	3,106,307	3,031,430	3,261,869
Solid ($100\%NaOH$)	do	493,357	438,378	650,023	498,363	423,151
Sodium phosphate:						
Monobasic ($100\%NaH_2PO_4$)	do	14,690	15,703	18,478	19,365	20,670
Dibasic ($100\%Na_2HPO_4$)	do	78,806	158,756	182,649	175,871	[11]
Tribasic ($100\%Na_3PO_4$)	do	88,568	66,801	67,607	50,654	50,488
Meta ($100\%NaPO_3$)	do	30,460	39,412	52,398	49,742	52,040
Tetra ($100\%Na_4P_2O_7$)	do	56,641	85,657	86,384	84,824	95,286
Sodium silicate (soluble silicate glass, liquid and solid) (anhydrous).	do	492,837	486,203	547,387	519,039	584,192
Sodium sulfate:						
Anhydrous (refined) ($100\%Na_2SO_4$)	do	134,969	184,254	233,666	202,813	219,937
Glauber's salt ($100\%Na_2SO_4.10H_2O$) [9]	do	202,285	185,626	219,942	177,929	204,159
Salt cake (crude) (commercial) [9]	do	693,517	561,395	707,388	662,373	734,024
Sulfuric acid, gross ($100\%\ H_2SO_4$) [12]	do	10,780,166	13,029,359	13,372,300	13,308,558	14,187,880
Zinc yellow (zinc chromate) (C. P.)	do	3,476	4,565	8,143	7,894	6,842

[1] Preliminary.
[2] Excludes by-product coke-oven production. Data for 1950–1953 include synthetic ammonium sulfate produced in coke plants.
[3] Includes data for deodorizing, decolorizing, and water purification grades. Data for gas-mask and solvent recovery grades excluded.
[4] Liquid and gas excludes quantities produced and consumed in the same plants manufacturing soda ash.
[5] Total production including quantities liquefied for use, storage or shipment.
[6] Excludes quantities produced and consumed in manufacture of methanol and ammonia but includes an unspecified amount of hydrogen produced for sale or interplant transfer to plants consuming this gas in production of ammonia.
[7] Includes quantities diverted to manufacture of caustic soda and sodium bicarbonate and quantities processed to finished light and finished dense soda ash.
[8] Excludes quantities converted to finished dense soda ash.
[9] Collected in cooperation with Bureau of Mines.
[10] Liquid production figures represent total production for each process, including quantities later evaporated to solid caustic and reported as such.
[11] Not available.
[12] Includes sulfuric acid of oleum grades.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports; 1950–53 compiled from manufacturers' reports and published in *Facts for Industry*, Series M19A.

No. 1007.—Industrial Explosives Manufactured and Sold in the United States: 1931 to 1952

[In thousands of pounds. Excludes exports]

YEAR	Total	Permissible explosives [1]	High explosives other than permissible	Black blasting powder: Granular	Black blasting powder: Pellet
1931	337,565	41,578	216,157	40,300	33,530
1932	233,887	32,225	137,908	35,703	27,961
1933	255,087	33,027	157,849	33,887	30,323
1934	314,768	39,208	206,625	37,193	31,742
1935	368,361	39,170	200,324	34,223	34,665
1936	391,605	47,859	262,047	40,420	41,278
1937	404,744	49,579	268,924	29,837	36,404
1938	332,130	41,859	238,576	23,552	28,143
1939	386,438	49,950	278,250	28,322	29,915
1940	423,389	58,436	305,180	29,084	30,670
1941	481,027	70,612	351,857	27,882	31,576
1942	490,255	84,022	359,699	24,107	31,367
1943	477,651	92,656	338,573	19,814	26,608
1944	464,111	102,588	318,613	16,282	26,677
1945	457,311	97,407	322,956	12,303	24,644
1946	530,315	100,258	399,233	13,530	23,235
1947	[2] 651,391	122,349	476,017	9,857	26,627
1948	[2] 725,227	126,282	550,086	8,236	25,004
1949	[2] 631,230	91,630	505,601	5,853	14,224
1950	[2] 719,841	109,420	575,962	5,441	15,214
1951	[2] 753,821	108,258	611,236	3,752	10,233
1952	[2] 764,718	95,460	636,741	3,887	6,715

USE	Total	Permissible explosives [1]	High explosives other than permissible	Black blasting powder
1951	[3] 753,821	108,258	611,236	13,985
Coal mining	[3] 291,787	107,182	152,600	11,836
Metal mining	147,213	131	147,073	9
Quarrying and nonmetallic mineral mining	[4] 152,353	815	150,230	1,235
Railway and other construction work	150,511	106	149,851	554
All other purposes	11,956	24	11,582	351
1952	[3] 764,718	95,460	636,741	10,502
Coal mining	[3] 268,896	94,482	144,996	7,577
Metal mining	151,225	62	151,148	14
Quarrying and nonmetallic mineral mining	[4] 167,455	763	165,511	1,107
Railway and other construction work	102,362	101	100,800	1,461
All other purposes	14,780	52	14,285	443

[1] Represents type of high explosives approved by Bureau of Mines as suitable for safe use in coal mines provided specifications of use are followed.

[2] Includes 16,562,000 liquid oxygen explosive in 1947, 15,620,000 in 1948, 13,922,000 in 1949, 13,804,000 in 1950, 20,341,000 in 1951, and 21,915,000 in 1952.

[3] Includes 20,268,000 liquid oxygen explosive in 1951, and 21,841,000 in 1952.

[4] Includes 73,000 liquid oxygen explosive in 1951, and 74,000 in 1952.

Source: Department of the Interior, Bureau of Mines; *Production of Explosives in the United States.*

No. 1008.—Asphalt and Tar Roofing and Siding Products—Shipments: 1933 to 1953

PRODUCT AND UNIT OF MEASURE	1933	1938	1943	1947	1949	1950	1951	1952	1953
Asphalt roofing, total 1,000 squares	24,737	34,610	51,349	71,461	52,357	65,024	59,117	57,938	56,703
Smooth-surfaced ... do	13,838	15,027	19,236	22,482	13,088	14,377	13,577	12,459	12,084
Mineral-surfaced ... do	5,685	8,799	16,688	16,357	12,510	14,116	13,961	13,704	12,964
Strip shingles ... do	4,223	9,054	13,014	28,569	23,573	32,109	27,401	27,806	27,411
Individual shingles ... do	991	1,730	2,411	4,053	3,236	4,422	4,178	3,969	4,244
Asphalt sidings, total ... do	(1)	[2] 590	2,338	4,316	2,499	2,009	2,078	1,858	1,557
Roll form ... do	(1)	(1)	2,140	3,903	2,090	1,659	1,754	1,540	1,277
Shingle form ... do	(1)	(1)	198	413	409	350	324	318	280
Mineral-surfaced insulating board *base siding* ... 1,000 squares	(1)	(1)	1,012	3,686	2,188	2,402	2,411	2,718	2,794
Asphalt board products 1,000 sq. ft.	(1)	(1)	(1)	86,086	32,184	48,376	56,200	45,933	43,840
Saturated felts, total tons of 2,000 lb	(1)	(1)	(1)	457,870	500,688	650,389	662,961	707,301	773,349
Asphalt ... do	(1)	(1)	(1)	354,291	421,510	550,017	538,005	598,199	648,274
Tar ... do	(1)	(1)	(1)	103,579	79,178	100,372	124,956	109,102	125,075
Saturated and coated sheathings, total ... tons of 2,000 lb	(1)	(1)	(1)	37,619	10,284	12,025	13,571	9,587	9,609

[1] *Not available.* [2] Represents brick and all other types of siding.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports, and *Facts for Industry*, Series M26D.

No. 1009.—Pressed and Blown Glassware—Quantity and Value of Shipments, by Class: 1951 and 1952

[Includes only products manufactured from glass produced in reporting establishment]

Class	Unit of measure	1951		1952	
		Quantity	Value ($1,000)	Quantity	Value ($1,000)
Shipments, total value			324,939		324,579
Tumblers, goblets, and other stemware	Thous. of doz.	75,244	54,133	67,073	52,882
Cooking ware [1]	Thous. pieces	69,444	12,550	67,294	14,920
Ornamental, decorative, novelty glassware, and smokers' accessories, total.			12,583		12,768
Lighting glassware, total			108,102		115,831
Electric-light bulb blanks, electronic-tube blanks *(including radio, X-ray, radar, and special* tubes), and fluorescent tubes.			82,817		92,870
Bowls, all types			3,387		2,072
Enclosing globes, all types			3,379		3,005
Shades, reflectors, and torcheres			5,416		4,654
Railroad, marine, and *traffic* lighting glassware			1,369		1,186
Lamp chimneys	Thous. of doz.	1,205	1,334	1,228	1,335
Lantern globes (oil and electric)	do.	424	997	204	675
All other lighting glassware			9,443		9,134
All other pressed and blown glassware (except glass containers). [2]			137,571		128,178

[1] *Heat-resistant, heat-treated,* and annealed.
[2] Includes tubing (except fluorescent and neon), technical, scientific, and industrial glassware.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77E.

No. 1010.—Glass Containers—Direct Exports and Domestic Production and Shipments, by Kind: 1951, 1952, and 1953

[In thousand gross]

Item	1951		1952		1953	
	Production	Shipments	Production	Shipments	Production	Shipments
Total	117,692	114,738	115,631	114,145	125,742	124,399
Direct exports		3,062		2,677		3,090
Domestic production and shipments:						
Narrow-neck, total	78,052	73,966	73,363	70,370	78,969	75,754
Food	41,688	11,528	40,512	11,913	42,703	12,543
Medicinal and health supplies		13,726		13,069		13,169
Chemical, household, and industrial		7,788		7,791		8,995
Toiletries and cosmetics		6,241		6,584		6,930
Beverage, returnable	7,086	6,398	8,672	7,916	9,408	8,787
Beverage, nonreturnable	177	180	520	446	1,081	1,056
Beer, returnable	5,175	4,524	2,836	2,258	3,509	2,854
Beer, nonreturnable	10,251	9,816	8,170	8,198	8,593	8,331
Liquor	10,302	9,644	8,771	8,518	9,576	9,015
Wine	3,371	3,219	3,882	3,677	4,209	4,174
Wide-mouth, total	39,641	38,610	42,268	41,098	46,773	45,545
Food	[1] 34,467	[1] 26,841	[1] 37,066	[1] 23,914	[1] 41,298	[1] 31,664
Medicinal and health supplies		3,849		3,975		4,600
Chemical, household, and industrial		1,310		1,542		1,808
Toiletries and cosmetics		1,603		1,615		2,007
Dairy products	3,639	3,517	3,260	3,157	3,358	3,363
Fruit jars	(1)	(1)	(1)	(1)	(1)	(1)
Jelly glasses	(1)	(1)	(1)	(1)	(1)	(1)
Packers' tumblers	1,534	1,489	1,952	1,895	2,117	2,013

[1] Data for fruit jars and jelly glasses combined with wide-mouth food containers to avoid disclosing operations of individual companies.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M77O.

No. 1011.—Refractories—Shipments: 1951 and 1952

PRODUCT	Unit of measure	1951		1952	
		Quantity	Value f. o. b. plant	Quantity	Value f. o. b. plant
			$1,000		*$1,000*
Clay refractories, total			171,086		161,934
Fire-clay brick, standard and special shapes, except superduty.	M 9" equiv	710,289	78,562	610,254	70,849
Superduty fire-clay brick, standard and special shapes	do	92,783	16,158	93,428	16,951
Insulating fire-brick, standard and special shapes	do	56,605	11,076	60,127	11,510
High-alumina brick, standard and special shapes (50% Al_2O_3 and over, except fused alumina and mullite).	do	23,414	6,825	21,655	6,655
Ladle brick	do	226,918	14,652	199,913	13,490
Glass-house pots, tank blocks, upper structure, and floaters	Short ton	25,763	3,819	19,404	3,373
Hot-top refractories	M 9" equiv	54,944	5,517	48,892	5,042
Sleeves, nozzles, runner brick, and tuyeres	do	65,581	8,879	54,231	7,789
High-temperature bonding mortars	Short ton	82,745	6,877	72,427	6,272
Plastic refractories	do	99,577	5,529	101,893	5,624
Cast and castables (hydraulic setting)	do	69,138	5,628	82,387	6,807
Ground crude fire clay and high-alumina material	do	444,970	4,877	397,860	4,892
Other clay refractories			2,687		2,680
Nonclay refractories, total			155,756		138,643
Silica brick and shapes	M 9" equiv	374,237	51,686	327,997	46,707
Magnesite and magnesite-chrome brick and shapes	do	39,132	21,800	38,150	21,949
Chrome and chrome-magnesite brick and shapes	do	55,949	27,343	48,187	23,658
Graphite and other carbon crucibles and retorts	Short ton	13,343	7,425	9,844	5,575
Other graphite and carbon refractories	do	1,527	677	1,320	593
High temperature bonding mortars	do	46,787	5,644	44,990	5,283
Plastic refractories	do	133,292	10,522	141,836	11,245
Dead-burned magnesia and magnesite	do	372,000	[1]16,620	331,000	[1]15,752
Other nonclay brick and shapes			25,313		18,973
Other nonclay refractory materials sold in lump or ground form.			5,346		4,572

[1] Excluded from total to avoid duplication.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M27C.

No. 1012.—Structural Clay Products—Production and Shipments, by Kind: 1949 to 1952

PRODUCT AND UNIT OF MEASURE	1949	1950	1951	1952
Unglazed brick, common and face:				
Production (1,000 standard bricks)	5,524,305	6,333,260	6,625,303	5,881,748
Shipments: Quantity (do)	5,251,633	6,486,332	6,306,551	5,635,249
Value (1,000 dollars)	129,179	164,470	170,743	154,566
Hollow facing tile, glazed and unglazed:				
Production (1,000 brick equivalent)	370,406	434,003	484,698	413,479
Shipments: Quantity (do)	357,461	432,027	467,767	389,376
Value (1,000 dollars)	18,717	22,438	25,984	22,104
Unglazed structural tile:				
Production (short tons)	1,357,627	1,294,364	1,238,683	962,837
Shipments: Quantity (do)	1,259,445	1,316,972	1,166,879	919,761
Value (1,000 dollars)	14,060	14,896	14,068	11,243
Vitrified clay sewer pipe:				
Production (short tons)	1,463,013	1,549,037	1,688,493	1,646,110
Shipments: Quantity (do)	1,349,598	1,567,604	1,554,711	1,544,809
Value (1,000 dollars)	44,641	53,402	58,238	53,943
Floor and wall tile and accessories: [1]				
Production (1,000 square feet)	99,146	124,746	146,573	125,966
Shipments: Quantity (do)	93,115	127,302	141,322	117,544
Value (1,000 dollars)	43,905	61,579	71,277	60,962
Drain tile:				
Production (short tons)	720,760	627,055	688,787	819,919
Shipments: Quantity (do)	688,010	627,545	655,757	815,490
Value (1,000 dollars)	11,084	10,191	11,387	14,073

[1] Glazed and unglazed floor and wall tile, and accessories, including quarry tile.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M26B.

No. 1013.—Pig Iron and Ferro-Alloys—Capacity, Production and Materials Used: 1900 to 1952

[In thousands of short tons (2,000 lbs.), except number of furnaces]

ITEM	1900	1910	1920	1930	1935	1940	1945	1950	1951	1952
Blast furnaces, total number, Dec. 31	406	473	452	300	258	231	241	250	251	258
Number in blast, Dec. 31	232	206	216	97	124	206	201	234	242	247
Blast furnace capacity [1]	(2)	(2)	56,249	57,855	57,098	55,724	67,314	[3]71,559	72,472	73,782
Blast furnace production	(2)	(2)	41,179	35,338	23,704	46,979	54,166	65,440	71,228	62,151
Percent of capacity	(2)	(2)	73.2	61.1	41.5	84.3	80.5	91.4	98.3	84.2
Pig iron	(2)	(2)	40,593	34,743	23,274	46,072	53,223	64,587	70,274	61,313
Ferro-alloys	(2)	(2)	586	594	429	907	943	853	953	838
Total production [4]	15,444	30,580	41,357	35,562	23,937	47,399	54,919	66,400	72,449	63,354
By kind:										
Basic	1,201	10,175	18,746	20,601	15,253	33,988	39,867	49,880	54,213	47,511
Bessemer and low-phosphorus	8,936	12,595	13,510	8,193	4,747	7,835	8,570	8,426	9,361	7,753
Foundry (incl. ferro-silicon)	3,781	5,892	6,673	4,436	2,137	2,791	3,067	3,646	3,970	3,419
Malleable	194	944	1,468	1,760	1,350	1,832	2,350	3,181	3,363	3,120
Forge	888	632	356	67	6	4				
Ferromanganese, spiegeleisen, and all other	442	342	604	517	444	949	1,066	1,267	1,542	1,550
By disposition:										
For sale	(2)	(2)	12,011	7,933	4,505	6,837	8,351	8,957	9,745	(2)
For maker's use	(2)	(2)	29,346	27,630	19,433	40,561	46,569	57,443	62,704	(2)
Materials used: [5]										
Iron ore, briquettes, etc	27,027	57,948	74,424	60,101	39,405	79,672	91,276	112,156	121,194	104,850
Cinder, scale, scrap, *etc*	1,792	3,136	5,585	7,052	4,768	7,480	9,749	10,731	10,950	10,110
Coke	(2)	(2)	[6]42,046	31,168	20,272	40,451	48,965	59,549	64,933	56,531
Limestone	8,313	16,271	19,964	12,431	8,425	16,678	20,863	27,708	30,358	26,119

[1] Annual capacity as of Jan. 1; capacity as of Jan. 1, 1953 was 79,380,000 short tons.
[2] Not available. [3] Average annual capacity as of Jan. 1 and July 1.
[4] Includes ferro alloys made in electric furnaces.
[5] Materials consumed in manufacture of pig iron only, beginning 1930. [6] Coke and bituminous coal.

Source: American Iron and Steel Institute, *annual report*.

No. 1014.—Pig Iron and Ferro-Alloys—Production, by States: 1945 to 1952

[In thousands of short tons (2,000 pounds)]

STATE	1945	1946	1947	1948	1949	1950	1951	1952
Grand total	54,919	46,200	60,117	61,912	54,917	66,400	72,449	63,354
Pig iron, total	53,223	44,779	58,329	60,055	53,413	64,587	70,274	61,313
Massachusetts, New York	3,295	2,780	3,869	3,875	3,541	4,302	4,699	4,192
Pennsylvania	16,171	13,251	17,563	17,742	15,037	18,240	20,221	16,807
Maryland, West Virginia	3,519	2,949	3,662	4,240	4,383	5,203	5,339	4,651
Kentucky, Tennessee, Texas	808	656	818	1,228	1,080	1,460	1,598	1,322
Alabama	3,582	3,149	3,929	4,013	3,663	4,347	4,371	4,173
Ohio	11,259	9,534	12,317	12,471	10,040	12,510	13,710	12,270
Indiana	5,982	4,829	6,401	6,493	5,991	7,018	7,756	6,594
Illinois	5,045	4,357	5,600	5,513	4,913	6,024	6,566	5,486
Michigan, Minnesota	1,921	1,803	1,924	2,101	2,002	2,830	2,904	2,688
Colorado, Utah, California	1,642	1,381	2,245	2,379	2,154	2,653	3,112	3,041
Ferro-alloys, total	1,696	1,421	1,788	1,856	1,504	1,813	2,174	2,041
New York, New Jersey	449	386	431	451	316	392	391	276
Pennsylvania	573	437	553	616	467	554	658	565
Virginia, West Virginia, South Carolina	171	141	278	302	266	287	306	250
Tennessee	66	64	84	88	47	60	77	67
Alabama	85	60	53	28	37	59	47	118
Ohio	204	200	212	210	166	198	242	470
Other States	148	133	177	161	206	264	454	294

Source: American Iron and Steel Institute, annual report.

No. 1015.—Pig Iron and Ferro-Alloys—Production, Exports, and Imports: 1871 to 1952

[In short tons (2,000 pounds). Prior to 1901 exports and imports are for years ending June 30 following year specified; calendar years thereafter. Imports are imports for consumption beginning with 1933. All production figures are for calendar years. For figures for earlier years, see *Abstract* for 1931]

Yearly average or year	Pig iron and ferro-alloys			Year	Pig iron and ferro-alloys		
	Production	Exports of domestic	Imports		Production	Exports of domestic	Imports
1871–1875	2,518,088	8,301	154,102	1937	41,582,550	916,160	180,625
1876–1880	2,870,295	3,816	309,792	1938	21,460,164	515,604	80,008
1881–1885	*4,817,228*	*5,948*	*364,325*	1939	35,677,097	238,224	129,497
1886–1890	7,028,829	13,896	257,566	1940	47,398,529	685,617	45,503
1891–1895	9,108,976	25,741	61,351	1941	56,686,604	610,729	28,844
1896–1900	12,870,969	251,180	38,425	1942	60,903,304	150,151	31,606
1901–1905	*20,428,425*	*50,921*	*352,537*	1943	62,769,947	231,068	28,056
1906–1910	26,907,689	88,052	308,040	1944	62,866,198	185,526	34,190
1911–1915	30,820,405	226,252	148,681	1945	54,919,029	122,819	74,193
1916–1920	41,451,650	463,931	119,718	1946	46,199,826	134,584	55,103
1921–1925	34,132,119	41,444	405,785	1947	60,117,319	92,676	231,473
1926–1930	42,216,094	58,316	289,090	1948	61,911,559	112,885	319,433
1931–1935	17,486,488	14,521	177,424	1949	54,916,785	115,971	174,878
1936–1940	36,174,206	476,409	144,024	1950	66,400,311	379,353	946,262
1941–1945	59,629,017	260,059	39,378	1951	72,448,543	83,365	1,221,175
1946–1950	57,909,160	167,094	345,430	1952	63,353,955	87,443	476,992

Source: Production, American Iron and Steel Institute, annual report. Exports and Imports, Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the U. S.*, and records.

No. 1016.—Rolled and Miscellaneous Steel Products—Production, by Kind: 1930 to 1952

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 170]

Kind	1930	1935	1940	1945	1950	1951	1952
Hot-rolled products, total	33,054,568	26,840,298	48,660,369	59,811,669	75,190,581	81,911,320	71,348,528
Plates	4,102,362	1,629,987	4,323,408	7,245,888	7,386,199	9,676,946	8,702,537
Sheets	3,932,944	5,796,624	11,705,956	12,067,487	22,692,918	22,192,298	18,540,315
Black plate	2,120,144	2,307,462	521,924	941	152,605	439	
Strip	2,174,885	2,965,300	2,077,744	2,542,936	3,903,657	3,971,155	3,250,252
Coils for cold reduced black plate and tin plate	(1)	(1)	3,103,627	4,436,924	5,990,547	6,989,439	6,171,726
Hoops	89,425	100,634	97,074	51,891	37,331	34,910	28,921
Cotton ties and baling bands	51,737	27,685	44,918	34,216	49,211	76,715	62,562
Bars—merchant	4,627,810	4,142,944	6,459,263	9,649,412	9,352,580	10,676,533	9,772,317
Bars—concrete	952,169	624,243	1,425,998	834,806	1,832,606	2,084,776	1,974,276
Structural shapes	3,933,970	1,950,709	4,232,346	4,467,164	5,442,104	6,348,025	5,354,382
Steel piling	118,275	145,029	186,125	188,639	242,778	269,742	206,765
Rails	2,098,021	796,921	1,678,986	2,417,520	1,849,580	1,854,247	1,472,139
Long splice bars and tie plate bars	679,157	300,471	515,928	856,638	655,875	694,631	576,359
Skelp	3,003,892	1,514,328	2,709,000	2,894,023	4,164,454	4,383,723	3,856,076
Blanks, tube rounds or pierced billets for seamless tubes	1,397,935	1,067,776	2,320,966	3,384,489	4,031,053	4,447,988	4,080,146
Wire rods	2,630,432	2,733,689	4,351,848	4,531,157	5,819,677	6,231,140	5,212,600
Rolled forging billets	340,581	380,697	919,826	3,566,697	1,214,500	1,377,489	1,361,103
Blooms, billets, etc. for export	10,623	44,759	1,677,905	178,600	11,241	60,137	311,194
Rolled steel car wheels	(2)	83,714	191,102	291,375	260,365	385,584	316,936
All other	790,206	217,426	116,425	170,867	101,320	155,403	80,422
Miscellaneous products: [3]							
Tin plate and terneplate	1,882,619	1,996,960	2,738,581	2,827,483	4,640,296	4,493,519	4,109,341
Galvanized sheets	1,170,681	1,151,743	1,695,300	1,676,181	2,273,756	1,935,529	2,005,499
Galvanized formed products	73,047	67,245	84,854	58,717	117,881	119,562	(1)
Wire (plain)	(1)	2,177,816	3,071,824	3,544,826	4,854,950	5,225,674	4,326,386
Wire nails	478,071	443,596	648,593	583,048	876,395	843,437	661,014
Cut nails and spikes	22,996	19,748	24,377	15,279	30,418	32,527	23,926
Pipes and tubes (black)	(1)	2,276,544	4,272,684	6,030,243	9,310,055	9,899,778	8,611,055
Forgings made by rolling mills [4]	532,978	352,390	623,101	1,655,746	457,481	753,395	648,160

[1] Not available.
[2] Included in all other.
[3] These are mostly further elaborations of products listed above.
[4] *Includes forged axles.*

Source: American Iron and Steel Institute, annual report.

No. 1017.—Steel—Capacity and Production of Ingots and Steel for Castings, by Type of Furnace: 1890 to 1952

[In short tons (2,000 pounds). See also *Historical Statistics*, series J 165–169]

Year	Capacity [1] (Jan. 1)	Production							Percent production of capacity
		Total [2]	Open hearth			Bessemer	Electric	Crucible	
			Total	Basic	Acid				
1890		4,790,320	574,820	[3]	[3]	4,131,536	[3]	79,716	
1900		11,410,928	3,805,911	2,850,502	955,409	7,486,942	[3]	112,629	
1910		29,226,309	18,485,050	17,127,408	1,357,642	10,542,305	61,975	136,979	
1916	*46,249,146*	*36,009,161*	*26,520,594*	*24,985,772*	*1,534,822*	9,281,679	79,452	127,436	77.9
1920	62,313,591	47,188,886	36,692,522	35,140,810	1,451,712	9,949,057	566,370	80,937	75.7
1925	68,473,222	50,840,747	42,598,627	41,537,823	1,060,804	7,530,837	689,373	21,910	74.2
1930	72,985,406	45,583,421	39,255,073	38,380,514	874,559	5,639,714	686,111	2,523	62.5
1935	78,451,930	38,183,705	34,401,280	34,004,585	396,695	3,175,235	606,471	719	48.7
1940	81,619,496	66,982,086	61,573,083	60,882,840	690,243	3,708,573	1,700,006	1,024	82.1
1942	[4] 88,886,550	86,031,931	76,501,957	75,183,065	1,318,892	5,553,424	3,974,540	2,010	96.8
1943	[4] 90,589,190	88,836,512	78,621,804	77,207,870	1,413,934	5,625,492	4,589,070	146	98.1
1944	[4] 93,854,420	89,641,600	80,363,953	79,168,294	1,195,659	5,039,923	4,237,699	25	95.5
1945	95,505,280	79,701,648	71,939,602	71,069,876	869,726	4,305,318	3,456,704	24	83.5
1946	91,890,560	66,602,724	60,711,963	60,112,300	599,663	3,327,737	2,563,024	[5]	72.5
1947	91,241,250	84,894,071	76,873,793	76,209,268	664,525	4,232,543	3,787,735	[5]	93.0
1948	94,233,460	88,640,470	79,340,157	78,714,852	625,305	4,243,172	5,057,141	[5]	94.1
1949	96,120,930	77,978,176	70,248,803	69,742,110	506,693	3,946,656	3,782,717	[5]	81.1
1950	[4] 99,982,650	96,836,075	86,262,509	85,661,651	600,858	4,534,558	6,039,008	[5]	96.9
1951	104,229,650	105,199,848	93,166,518	92,387,447	779,071	4,890,946	7,142,384	[5]	100.9
1952	108,587,670	93,168,039	82,846,439	82,143,400	703,039	3,523,677	6,797,923	[5]	85.8

[1] Annual capacity as of Jan. 1, 1953, was 117,547,470 tons.
[2] Includes all other grades not shown separately, as follows: 1890, 4,248 tons; 1900, 5,445 tons. Beginning 1935, figures include only that part of steel for castings which was made in foundries producing steel ingots.
[3] Not available. [4] Average annual capacity as of Jan. 1 and July 1. [5] Included with electric steel.

Source: American Iron and Steel Institute, annual report.

No. 1018.—Blast Furnaces and Steel Works and Rolling Mills—Summary: 1889 to 1952

[Data for years prior to 1937 include figures for steel castings, thereafter such data are excluded]

Year	Number of establishments	Production workers		Value added by manufacture ($1,000) [1]	Year	Number of establishments	Production workers		Value added by manufacture ($1,000) [1]
		Number (average for the year)	Wages, total ($1,000)				Number (average for the year)	Wages, total ($1,000)	
	Total					Blast furnaces			
1889	*719*	*171,181*	*89,273*	*151,415*	1937 [3]	87	23,075	38,001	127,644
1899	668	222,400	120,820	281,569	1939 [3]	81	19,537	28,312	87,083
1909	654	278,505	187,807	399,013	1947	86	32,697	93,508	328,060
1919	695	416,748	711,407	1,321,507	1949	[2]	31,911	98,268	371,110
1923	658	424,913	696,761	1,289,910	1950	[2]	35,357	115,034	554,269
1925	595	399,914	660,297	1,281,976	1951	[2]	38,062	142,279	625,927
1927	602	389,270	645,534	1,219,534	1952	[2]	38,201	137,714	591,883
1929	591	419,534	730,974	1,622,837					
1931	*526*	*278,206*	*357,645*	*623,199*		Steel works and rolling mills			
1933	466	288,945	270,367	481,529					
1935	468	374,808	458,584	893,681					
1937	352	461,118	755,427	1,503,959	1937	265	438,043	717,425	1,376,314
1939	334	388,441	598,037	1,234,631	1939	253	368,904	569,724	1,147,548
1947	301	470,785	1,431,536	2,603,757	1947	215	438,088	1,337,938	2,275,697
1949	[2]	427,947	1,410,832	2,853,764	1949	[2]	396,036	1,312,564	2,482,654
1950	[2]	*475,873*	*1,684,453*	*3,986,082*	1950	[2]	440,516	1,569,419	3,431,813
1951	[2]	510,075	2,065,346	4,817,776	1951	[2]	472,013	1,923,067	4,191,849
1952	[2]	507,619	1,975,110	4,144,236	1952	[2]	469,418	1,837,396	3,552,353

[1] Value of products less cost of materials, supplies, fuel, electric energy, and contract work. For 1889–1933, cost of contract work was not deducted. [2] Not available.
[3] Includes data for 5 establishments in 1937 and 2 in 1939 engaged in production of sintered ore and flue dust and operated independently of blast furnaces.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports and *Annual Survey of Manufactures*.

No. 1019.—Iron and Steel, Finished Rolled—Production, Exports, and Imports: 1876 to 1952

[In short tons (2,000 pounds). Imports are imports for consumption beginning with 1933; general imports in earlier years. Leaders indicate no data available. See also *Historical Statistics*, series J 170 for data on total production]

Yearly average or year (calendar year)	Total production, finished rolled products	Rails			Plates and sheets			Merchant bar production [2]
		Production	Exports	Imports	Production	Exports	Imports [1]	
1876–1880		1,020,426	4,974	67,033				
1881–1885		1,426,531	4,464	131,009				
1886–1890	[3] 5,911,600	1,915,511	8,148	55,748	[3] 767,104		8,975	
1891–1895	6,129,591	1,416,438	15,288	1,173	846,516	1,691	26,761	
1896–1900	9,142,067	2,107,734	260,420	2,687	1,639,544	34,714	5,344	
1901–1905	15,311,416	3,242,555	252,836	48,392	3,017,980	44,246	6,907	[4] 4,024,833
1906–1910	20,730,629	3,627,104	339,622	4,439	4,540,504	177,622	4,588	3,897,499
1911–1915	24,920,084	3,091,824	424,247	26,589	6,028,088	466,372	3,220	4,222,754
1916–1920	34,507,928	2,945,047	616,920	23,959	9,235,794	1,016,396	1,765	7,050,073
1921–1925	30,458,782	2,794,109	274,787	35,530	8,875,380	488,464	4,265	5,375,343
1926–1930	39,562,938	2,971,808	178,599	22,228	11,797,300	536,823	27,580	7,080,924
1931–1935	20,002,332	828,436	46,310	5,780	6,891,694	181,332	14,569	3,356,504
1936–1940	38,066,554	1,334,946	139,217	6,511	13,664,259	701,090	8,963	6,217,207
1941–1945	62,735,684	2,211,836	276,472	14,372	21,370,112	1,307,781	1,853	11,284,428
1946–1950	64,407,247	2,073,009	314,026	6,724	23,735,837	1,029,037	60,496	10,210,438
1937	41,178,356	1,619,228	165,964	9,294	15,721,261	885,199	10,095	6,755,012
1938	23,568,951	697,642	92,648	4,059	8,506,233	573,817	7,167	3,484,923
1939	39,067,553	1,312,647	66,183	8,718	13,931,919	729,366	1,606	6,138,350
1940	48,660,369	1,678,986	289,020	1,780	16,551,288	1,420,311	153	7,885,261
1941	62,324,187	1,927,851	169,542	7,672	20,293,071	1,054,180	125	10,978,698
1942	62,445,914	2,096,159	256,159	14,435	21,237,072	1,364,824	254	11,930,982
1943	63,292,673	2,126,996	311,861	7,384	22,543,040	1,531,567	468	11,858,047
1944	65,803,979	2,400,656	316,915	9,893	23,463,059	1,246,556	5,665	11,161,194
1945	59,811,669	2,417,520	327,883	32,474	19,314,316	1,341,777	2,751	10,484,218
1946	50,936,772	1,965,642	385,584	7,997	16,324,199	1,159,040	2,255	8,880,428
1947	66,202,144	2,441,179	500,582	10,267	23,325,500	1,272,770	1,843	10,781,625
1948	69,191,952	2,207,622	308,375	6,784	25,694,480	868,286	32,280	11,150,874
1949	60,882,387	1,901,020	238,196	1,106	23,470,886	1,106,914	43,360	9,054,099
1950	75,190,581	1,849,580	137,391	7,465	30,231,722	738,176	222,740	11,185,166
1951	81,911,320	1,854,247	105,599	11,144	31,869,683	780,775	693,567	12,761,309
1952	71,348,528	1,472,130	168,101	4,328	27,251,852	849,003	184,620	11,747,093

Yearly average or year (calendar year)	Skelp production	Wire rods			Structural shapes			All other finished rolled production [2]
		Production	Exports	Imports	Production	Exports	Imports	
1891–1895		709,238		38,980	[5] 481,457			2,772,234
1896–1900		1,018,997	[6] 18,124	20,257	772,149	[6] 54,742		3,603,643
1901–1905	[4] 1,608,314	1,781,114	18,306	20,597	1,348,246	62,329	[7] 14,432	1,415,004
1906–1910	1,868,915	2,303,540	15,011	17,248	2,169,385	135,616	12,440	2,323,590
1911–1915	2,511,342	2,933,601	84,252	13,198	[8] 2,739,958	297,798	7,114	3,392,518
1916–1920	3,123,005	3,336,179	162,072	4,188	3,340,000	376,744	3,143	5,477,829
1921–1925	3,345,985	2,836,325	31,408	4,803	3,199,711	224,177	31,317	4,931,879
1926–1930	3,752,372	3,148,573	35,039	16,096	4,489,127	311,101	160,219	6,322,836
1931–1935	1,248,507	2,065,158	25,456	12,505	1,631,689	66,574	45,874	3,980,346
1936–1940	2,282,301	3,424,361	97,413	12,251	3,317,886	237,283	49,232	7,825,593
1941–1945	3,100,884	4,754,339	148,351	482	5,052,009	287,706	6,278	14,962,077
1946–1950	3,481,308	5,106,991	46,263	27,354	5,113,049	492,714	72,189	14,686,614
1937	2,553,445	3,370,405	67,209	17,717	3,670,068	208,072	87,666	7,488,937
1938	1,403,540	2,361,630	24,957	5,914	2,082,685	142,822	44,379	5,032,298
1939	2,330,128	3,680,297	35,224	11,975	3,358,985	182,731	44,277	8,315,227
1940	2,709,000	4,351,848	320,621	4,465	4,232,346	554,644	859	11,251,640
1941	3,637,574	5,268,423	187,326	119	5,724,236	365,238	356	14,494,334
1942	2,900,741	4,632,017	145,251	57	5,816,321	229,757	166	13,823,622
1943	3,022,398	4,693,708	176,039	31	4,575,844	239,985	169	14,472,550
1944	3,049,682	4,646,208	123,804	2	4,676,481	235,592	28,017	16,316,609
1945	2,894,023	4,531,157	109,334	2,199	4,467,164	367,956	2,682	15,703,271
1946	2,534,848	4,520,280	62,355	6,052	4,387,664	449,219	874	12,323,711
1947	3,450,460	5,376,003	71,237	6,016	5,607,671	752,790	1,731	15,219,706
1948	3,617,703	5,430,603	38,143	6,613	5,455,523	499,166	65,830	15,635,147
1949	3,639,074	4,388,394	53,315	5,734	4,672,284	483,211	114,505	13,758,630
1950	4,164,454	5,819,677	6,264	112,353	5,442,104	279,182	178,007	16,497,878
1951	4,383,723	6,231,140	4,148	122,018	6,348,025	327,037	459,969	18,463,193
1952	3,855,076	5,212,600	29,681	44,404	5,354,382	286,956	319,454	16,455,386

[1] Includes skelp beginning 1922.
[2] Merchant bars include concrete reinforcement bars and, beginning 1934, certain miscellaneous bars previously included in "All other finished rolled production."
[3] Average for years 1887–90.
[4] Average for years 1902–05.
[5] Average for years 1892–95.
[6] Average for period July 1, 1897, to Dec. 31, 1900.
[7] Average for period July 1, 1903, to Dec. 31, 1905.
[8] Small structural forms not included in 1911.

Source: Production, American Iron and Steel Institute, annual report. *Exports and imports, Department of* Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States*, and records.

No. 1020.—Steel Products—Shipments, by Class: 1940 to 1952

[In thousands of short tons (2,000 pounds). Includes carbon, alloy, and stainless steel. Percents based on domestic shipments only]

Class	1940		1945		1950		1951		1952	
	Quantity	Percent	Quantity	Percent	Quantity	Percent	Quantity	Percent	Quantity	Percent
Total shipments	45,966		57,242		72,232		78,929		68,004	
Domestic shipments	37,867	100.0	53,449	100.0	69,065	100.0	76,165	100.0	64,733	100.0
Steel for converting and processing [1]	1,640	4.3	2,706	5.1	3,900	5.6	4,186	5.5	3,037	4.7
Forgings (except automotive)	435	1.1	1,418	2.6	1,082	1.5	1,550	2.0	1,434	2.2
Bolts, nuts, rivets and screws	*708*	*1.9*	*1,083*	*2.0*	1,410	2.0	1,599	2.1	1,298	2.0
Warehouses and distributors (except oil and gas)	6,033	15.9	8,904	16.7	11,676	16.8	12,717	16.7	11,913	18.4
Construction (exc. oil and gas)	4,968	13.1	4,064	8.7	5,563	8.0	6,910	9.1	5,472	8.5
Contractors' products					3,075	4.4	3,080	4.0	2,612	4.0
Automotive	7,325	19.4	4,071	7.6	15,163	21.8	13,681	18.0	11,445	17.6
Passenger cars, trucks, tractors, parts, etc.	7,185	19.0	3,774	7.0	14,614	21.0	13,160	17.3	11,022	17.0
Forgings	140	.4	297	.6	549	.8	521	.7	423	.6
Rail transportation	3,777	10.0	5,121	9.6	4,299	6.2	5,782	7.6	3,986	6.2
Railroad rails, trackwork, and equipment	1,202	3.2	1,451	2.7	2,222	3.2	2,257	3.0	1,711	2.7
Freight cars, passenger cars, and locomotives	2,575	6.8	3,670	6.9	2,029	2.9	3,477	4.6	2,240	3.5
Street railways and rapid transit systems					48	.1	48	(2)	35	(2)
Shipbuilding and marine equipment	940	2.5	2,719	5.1	327	.5	884	1.2	1,029	1.6
Aircraft	48	.1	301	.6	52	.1	151	.2	136	.2
Oil and gas	1,645	4.3	2,033	3.8	5,343	7.7	5,190	6.8	4,513	7.0
Warehouses and distributors	*654*	*1.7*	*667*	*1.2*	1,684	2.4	1,682	2.2	1,416	2.2
Construction	991	2.6	1,396	2.6	3,039	4.4	2,678	3.5	2,329	3.6
Drilling					620	.9	535	1.1	768	1.2
Mining, quarrying and lumbering	141	.4	210	.4	289	.4	375	.5	310	.5
Agricultural	920	2.4	1,120	2.1	1,538	2.2	1,638	2.1	1,347	2.1
Agricultural machinery	(3)	(3)	(3)	(3)	1,298	1.9	1,390	1.8	1,146	1.8
Other	(3)	(3)	(3)	(3)	240	.3	248	.3	201	.3
Machinery, industrial equipment and tools	1,108	2.9	1,607	3.0	2,783	4.0	3,547	4.6	3,201	4.9
Electrical machinery and equipment	777	2.1	819	1.5	1,837	2.6	2,021	2.6	1,609	2.5
Appliances, utensils and cutlery	950	2.5	675	1.3	2,088	3.0	1,837	2.4	1,359	2.1
Other domestic and commercial equipment	1,210	3.2	1,433	2.7	1,804	2.6	2,031	2.7	1,562	2.4
Containers	2,985	7.9	4,333	8.1	5,011	8.4	6,524	8.6	5,551	8.6
Cans and closures	(3)	(3)	(3)	(3)	4,339	6.2	4,477	5.9	4,085	6.3
Barrels, drums, and shipping pails	(3)	(3)	(3)	(3)	925	1.3	1,246	1.6	878	1.4
Other	(3)	(3)	(3)	(3)	647	.9	801	1.1	588	.9
Ordnance and other direct military			5,509	10.3	195	.3	1,200	1.6	2,096	3.2
Miscellaneous [4]	2,251	6.0	4,693	8.8	1,330	1.9	1,262	1.7	823	1.3
Export	8,099		3,793		2,567		2,764		3,271	

[1] Net total after deducting shipments to reporting companies for conversion or resale.
[2] Less than 0.05 percent.
[3] Not available.
[4] Includes shipments of nonreporting companies.

Source: American Iron and Steel Institute, annual report.

No. 1021.—Iron and Steel—Aggregate Exports: 1890 to 1953

[**Quantities in thousands of short tons (2,000 pounds); values in thousands of dollars.** Covers products listed in table 1022; excludes data for highly elaborated products of iron and steel. Value figures through 1920 exclude, and those beginning 1923 include data for small items for which quantity figures are not available. Ferromanganese data included for all years. Data for steam and hot-water heating boilers and radiators, formerly classified as heavy iron and steel products, excluded beginning with 1923]

YEAR	Quantity	Value	YEAR	Quantity	Value	YEAR	Quantity	Value
1890	58		1930	2,220	139,039	1942	7,337	598,939
1895	100		1931	1,085	63,226	1943	7,245	621,847
1900	1,292	42,518	1932	666	28,857	1944	6,148	560,178
1905	1,131	33,813	1933	1,502	45,534	1945	5,203	461,147
1910	1,723	63,436	1934	3,150	88,691	1946	5,149	449,843
1915	3,957	140,993	1935	3,431	88,414	1947	6,994	830,655
1920	5,527	458,376	1936	3,536	112,692	1948	4,885	659,779
1925	1,974	144,262	1937	8,488	302,360	1949	5,146	714,780
1926	2,427	174,145	1938	5,766	185,432	1950	3,248	465,141
1927	2,445	160,609	1939	6,814	236,947	1951	3,783	612,236
1928	3,209	179,881	1940	11,876	524,426	1952	4,679	696,828
1929	3,402	200,203	1941	8,029	506,901	1953 (prel.)	3,516	560,831

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the United States* and records.

No. 1022.—Iron and Steel—Exports, by Kind: 1950 to 1953

[Includes shipments under foreign aid programs such as UNRRA, Interim Aid, ECA, and MDAP (FOA), and Civilian Supply shipments]

ARTICLE	QUANTITY (tons of 2,000 lbs.)				VALUE ($1,000)			
	1950	1951	1952	1953 (prel.)	1950	1951	1952	1953 (prel.)
Total	3,248,191	3,783,441	4,678,670	3,515,976	465,141	612,236	696,828	560,831
Pig iron, not including ferro-alloys	6,813	6,555	14,085	18,837	322	352	719	1,074
Ferromanganese and spiegeleisen	942	718	1,487	1,112	161	211	479	389
Other ferro-alloys	46,173	59,453	54,223	26,571	2,839	5,364	7,318	2,994
Scrap	216,964	235,527	340,286	206,995	6,014	8,736	11,121	9,674
Ingots, blooms, sheet bars, skelp, etc	178,193	242,405	856,682	188,337	13,683	20,918	77,729	16,813
Iron and steel bars and alloy steel bars	118,840	197,802	268,147	176,181	15,187	26,438	36,474	24,342
Wire rods	6,264	4,148	29,681	9,489	596	481	3,312	1,232
Galvanized sheets	100,361	68,086	50,439	94,211	16,663	12,515	8,957	16,441
Plates, iron and steel	112,224	160,542	232,075	201,765	12,114	19,323	27,026	24,871
Black steel sheets	501,175	525,082	469,133	379,697	68,025	80,998	66,761	55,366
Black iron sheets	17,046	14,050			2,087	1,774		
Hoop, band, and strip steel	92,880	113,214	129,628	94,062	16,152	21,803	24,403	18,912
Tin plate, terneplate, etc	567,170	621,334	610,208	527,616	88,629	126,637	117,628	95,844
Structural shapes, plain material	153,570	232,035	192,202	234,600	13,800	22,467	19,118	24,533
Structural materials, fabricated	129,982	103,334	108,142	90,452	31,626	29,294	27,164	26,370
Tanks, complete and knocked down	39,147	33,304	38,067	69,508	8,441	8,797	10,228	16,360
Metal lath	3,000	4,684	2,693	1,936	805	1,326	789	691
Steel rails	55,969	105,599	168,101	190,903	3,245	8,755	14,906	18,991
Rail fastenings, switches, frogs, etc	36,270	46,284	67,905	60,786	4,924	7,075	11,141	9,195
Boiler tubes	15,541	18,205	[1] 36,799	[1] 40,675	3,760	5,299	[1] 9,947	[1] 10,225
Casing and oil-line pipe	452,159	463,137	502,611	416,533	61,865	70,412	81,276	72,332
Seamless black pipe, except casing and oil-line	17,328	17,196	24,679	29,522	3,113	3,785	5,269	5,476
Black and galvanized welded pipe	124,870	112,419	96,832	75,561	19,053	19,833	17,773	13,614
Cast-iron pipe and fittings	27,602	49,949	53,261	35,013	3,828	7,027	7,895	5,393
Malleable-iron screwed pipe fittings	4,099	4,489	3,805	2,854	2,740	3,555	3,156	2,217
All other iron and steel pipe and fittings, n. e. s	30,829	43,409	37,690	34,506	15,840	20,744	22,127	19,406
Barbed-wire and woven-wire fencing	17,419	23,807	13,175	7,525	2,984	4,726	2,753	1,600
Plain and galvanized wire	37,059	70,315	77,840	35,798	7,238	13,268	14,085	7,247
Woven-wire screen cloth	2,331	3,026	[2]	[2]	1,808	2,344	1,543	1,051
Wire rope and wire strand	11,632	18,040	15,564	13,223	4,650	8,200	7,284	6,208
Electric welding rods	11,853	14,746	16,312	17,081	3,419	4,616	5,671	5,695
Wire, other, and manufactures thereof	12,625	23,258	22,583	18,281	4,128	7,552	7,645	7,172
Wire nails	3,097	8,737	6,990	3,960	555	1,535	1,960	1,641
Nails other than wire, tacks, staples	3,717	5,521	3,315	2,276	1,563	2,241	1,635	1,151
Horseshoes	340	568	[3]	[3]	63	108	[3]	[3]
Bolts, nuts, rivets, and washers [4]	16,213	21,594	25,672	17,326	8,596	13,531	17,384	13,500
Car wheels and axles	25,837	19,001	12,496	20,383	4,187	3,207	2,626	3,725
Iron castings	39,708	52,143	58,324	50,956	5,443	7,538	8,787	7,386
Steel castings	3,653	5,931	14,586	7,432	1,293	2,199	4,371	3,644
Forgings	18,296	33,794	32,863	24,013	3,707	7,251	8,470	8,045

[1] Includes pressure tubes and tubing.
[2] 12,667,342 sq. feet in 1952; 7,394,124 sq. feet in 1953.
[3] Not separately reported.
[4] Except railroad.

Source: Department of Commerce, Bureau of the Census.

No. 1023.—Iron and Steel—Wholesale Price Indexes: 1926 to 1953

[Base: 1947-1949=100]

YEAR	Iron and steel, total	YEAR	Iron and steel, total	YEAR	Iron and steel, total	STEEL MILL PRODUCTS		
						Total	Finished	Semi-finished
1926	67.1	1933	52.7	1939	64.2	67.5	68.0	62.9
1927	63.2	1934	58.1	1940	63.8	67.6	68.1	63.2
1928	62.7			1941	64.6	67.9	68.4	63.2
1929	63.6	1935	58.1	1942	65.2	68.0	68.5	63.2
		1936	58.7	1943	65.2	68.1	68.6	63.2
1930	59.7			1944	65.1	68.1	68.6	63.2
1931	55.9	1937	65.8	1945	66.5	69.7	70.2	65.3
1932	53.3	1938	66.1	1946	74.0	75.8	76.4	70.7

YEAR	Iron and steel, total	STEEL MILL PRODUCTS			Pig iron and ferro-alloys	Iron ore	Scrap, iron and steel	Foundry and forge shop products
		Total	Finished	Semi-finished				
1947	89.7	88.8	89.1	85.2	85.3	88.6	96.9	89.4
1948	104.3	101.4	101.3	102.5	101.8	96.5	122.3	103.2
1949	106.0	109.9	109.7	112.3	112.9	114.9	80.8	107.4
1950	113.1	115.7	115.2	121.8	115.6	123.0	104.6	109.1
1951	123.2	124.8	124.5	128.3	126.6	132.3	118.8	119.4
1952	124.7	127.5	127.2	131.2	130.9	137.6	114.2	119.9
1953	131.3	137.6	136.9	145.6	138.4	153.8	103.1	126.4

Source: Department of Labor, Bureau of Labor Statistics; annual report, *Wholesale Prices*.

No. 1024.—Ferrous Castings—Shipments and Unfilled Orders: 1946 to 1953

[*In thousands of short tons.* 1947-49 data for steel castings and gray iron castings, and 1951-53 data for gray iron castings are estimates of complete coverage based on sample of foundries. All other data represent complete coverage]

ITEM	1946	1947	1948	1949	1950	1951	1952	1953 (prel.)
GRAY IRON CASTINGS								
Shipments, total [1]	10,270	12,753	13,207	11,050	13,725	14,989	12,860	13,628
Pressure pipe and fittings	786	1,034	1,155	1,037	1,215	1,473	1,313	1,277
Soil pipe and fittings	409	584	654	532	795	688	651	675
All other gray iron castings	9,075	11,135	11,398	9,431	11,715	12,828	10,896	11,676
Unfilled orders, Dec. 31, total [2]	2,980	2,826	2,346	931	2,142	1,847	1,316	955
Pressure pipe and fittings	775	1,017	961	296	617	537	311	231
Soil pipe and fittings	355	303	253	65	208	27	31	23
All other gray iron castings	1,850	1,506	1,132	570	1,317	1,283	974	701
MALLEABLE IRON CASTINGS								
Shipments, total	752	899	941	723	942	1,085	926	967
For sale	452	514	527	373	537	656	573	578
For own use	300	385	414	350	405	429	353	389
Unfilled orders, Dec. 31, total [1]	268	206	143	64	222	215	173	96
STEEL CASTINGS								
Shipments, total [1]	1,432	1,632	1,778	1,260	1,481	2,050	1,925	1,829
Carbon	1,112	1,259	1,408	963	1,130	1,541	1,372	1,288
Alloy	320	375	370	297	351	509	553	541
Unfilled orders, Dec. 31, total [1]	362	494	360	124	570	846	719	278
Carbon	292	417	298	86	476	620	436	176
Alloy	70	77	62	38	94	226	283	102

[1] Includes shipments for "own use."
[2] Unfilled orders for sale only.

Source: Department of Commerce, Bureau of the Census; monthly data published currently in *Facts for Industry*, Series M21C.

No. 1025.—Nonferrous Castings—Shipments and Unfilled Orders: 1947 to 1953

[**In thousands of pounds.** Shipments include "for own use." Unfilled orders are for the end of the year and include "for sale" only. Data for 1950 based on complete coverage; for other years based on sample and subject to sampling variation]

TYPE OF CASTING	1947	1948	1949	1950	1951	1952	1953
Shipments, all types, total	2,001,802	2,017,436	1,520,957	2,215,588	2,248,331	1,993,040	2,233,737
Unfilled orders, all types, total	255,600	200,411	109,684	303,305	325,943	326,207	229,356
Copper and copper-base alloy:							
Shipments	1,061,862	1,050,455	743,821	1,056,973	1,197,443	1,009,910	993,750
Unfilled orders	74,673	53,612	22,833	73,940	92,919	76,871	47,922
Aluminum and aluminum-base alloy:							
Shipments	467,838	471,617	351,778	543,082	515,131	518,979	661,035
Unfilled orders	83,723	61,999	39,400	113,300	125,566	146,490	107,754
Zinc and zinc-base alloy:							
Shipments	445,723	463,118	400,562	579,332	478,996	408,353	523,892
Unfilled orders	93,269	79,756	44,149	106,885	89,338	85,767	64,047
Magnesium and magnesium-base alloy:							
Shipments	8,214	9,359	11,053	15,224	30,825	34,857	34,601
Unfilled orders	2,847	3,751	2,501	7,654	16,056	16,020	9,321
Lead and lead-base alloy die: [1]							
Shipments	18,165	22,887	13,743	20,977	25,936	20,941	20,459
Unfilled orders	1,088	1,203	801	1,526	2,064	1,050	(2)

[1] Excludes producers of lead die castings for battery plates and parts who reported shipments of 146 million pounds in 1950.
[2] Withheld because estimates did not meet publication standards. See text, p. 808.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24F, and M24E.

No. 1026.—Aluminum and Magnesium—Shipments of Mill Products: 1946 to 1953

[**Thousands of pounds.** *Producers' net shipments consist of total shipments less shipments to other metal mills* for further fabrication into other forms of mill products]

ITEM	1946	1947	1948	1949	1950	1951	1952	1953
Aluminum mill products, total	1,140,849	1,408,152	1,640,186	1,158,146	1,713,449	1,756,244	1,924,750	2,286,865
Plate, sheet, and strip	866,982	1,111,159	1,268,297	790,025	1,163,135	1,073,367	1,085,699	1,368,155
Rolled structional shapes, rod, bar and wire	130,638	157,379	182,991	203,650	269,780	345,163	443,546	422,046
Extruded shapes, tube blooms and tubing	126,078	123,048	171,944	149,995	258,075	312,944	347,542	451,922
Powder, flake and paste	17,151	16,566	16,954	14,476	22,459	24,770	47,963	44,732
Magnesium mill products, total	6,642	4,807	5,865	8,264	12,810	19,090	18,249	16,885

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M24-1.

No. 1027.—Selected Metal Products—Factory Shipments: 1951 and 1952

[Leaders indicate no data available]

Product and unit of measure	1951		1952	
	Quantity	Value ($1,000)	Quantity	Value ($1,000)
Containers and closures:				
Steel shipping barrels and drums—number	41,259,323		34,246,252	
Steel packages, kegs, and pails—do	76,735,970		64,068,727	
Metal cans—short tons of steel consumed	3,804,551		3,842,170	
Food—do	2,558,591		2,554,874	
Non-food—do	1,245,960		1,287,296	
Crowns—gross	318,054,646		352,416,643	
Closures (except crowns)—1,000				
Commercial—do	13,799,333		13,087,807	
Home canning—gross	16,234,185		15,228,324	
Heating and cooking equipment:				
Domestic cooking stoves and ranges—number	3,863,577	396,991	3,346,601	326,941
Electric—do	1,269,509	172,119	922,385	125,138
Gas, including bungalow—do	2,307,456	201,909	2,148,879	183,047
Liquid fuel—do	132,833	5,032	119,928	4,448
Coal and wood—do	120,700	6,634	105,486	5,719
Combination—do	63,079	11,297	49,923	8,589
Domestic heating stoves—do	4,183,086	91,305	3,804,202	89,157
Gas—do	1,896,619	34,873	1,786,360	33,796
Liquid fuel—do	1,238,840	43,241	1,113,600	42,424
Coal and wood—do	1,047,627	13,191	904,242	12,937
Water heaters—do	3,017,317	161,968	2,766,258	145,581
Electric—do	674,533	46,329	557,773	37,613
Non-electric—do	2,342,784	115,639	2,208,485	107,968
Direct-fired—do	2,137,189	105,506	2,044,662	98,850
Indirect—do	205,595	10,133	163,823	9,118
Range boilers—do	431,033	7,644	267,336	5,014
Cast iron boilers—1,000 pounds	210,208	47,594	211,984	49,165
Cast iron radiators and convectors—1,000 sq. ft. heating surface	42,512	26,396	36,898	24,341
Oil burners—number	701,816		781,036	
Residential—do	661,251		744,619	
Non-residential—do	40,565		36,417	
Mechanical stokers—do	24,091		23,047	
Warm air furnaces—do	871,627	180,848	927,699	187,987
Forced air—do	665,397	152,364	765,584	165,999
Gravity air—do	206,230	28,484	162,115	21,988
Construction machinery:				
Power cranes and shovels—do	7,333	180,680	7,747	199,821
Dozers—do	20,674	35,668	23,225	39,228
Tracklaying tractors—do	48,322	263,579	48,155	280,841
Plumbing fixtures:				
Bathtubs, cast iron and steel—do	1,917,948		1,809,681	
Lavatories—do	3,300,541		2,799,582	
Vitreous china—do	1,437,288		1,217,333	
Cast iron and steel—do	1,863,253		1,582,249	
Kitchen sinks—do	2,416,490		2,020,473	
Vitreous china—do	[1] 7,045		[1] 4,310	
Cast iron—do	1,212,586		1,000,835	
Steel—do	1,196,859		1,015,328	
Transportation equipment:				
Truck trailers—do	64,691	245,315	[2] 57,103	228,378
Complete trailers—do	61,426		53,718	
Trailer chassis only—do	3,265		3,385	
Complete aircraft (civilian)—do	2,477	88,844	3,509	197,151
Aircraft engines (civilian)—do	4,580	25,909	5,382	40,722
Domestic water systems—do	617,060	69,959	682,017	67,741

[1] Includes a small quantity of other metals and glazed earthenware.
[2] Excludes converter dollies.

Source: Department of Commerce, Bureau of the Census; *Facts for Industry* series. Data for power cranes and shovels from Power Crane and Shovel Association. Data on electric stoves and electric water heaters from National Electric Manufacturers' Association.

No. 1028.—Machine Tools—Shipments, by Major Types: 1950, 1951, and 1952

[Includes light type machine tools, particularly in drilling machines, lathes, grinding and polishing machines, and milling machines. Excludes machine tools specifically designed for home workshops, model makers, garages, and service shops]

Major type	1950		1951		1952	
	Number	Value ($1,000)	Number	Value ($1,000)	Number	Value ($1,000)
Total		315,743		629,344		1,064,665
Boring machines	1,363	29,402	2,518	75,068	4,275	147,932
Broaching machines	374	4,883	681	11,975	1,016	21,014
Drilling machines	9,917	33,129	19,257	70,916	30,492	108,111
Gear cutting and finishing machines	1,402	19,319	2,452	38,336	2,725	47,462
Grinding and polishing machines (except gear tooth grinding, honing, lapping, and buffing)	79,274	60,859	105,090	120,833	88,341	205,643
Lathes	30,251	89,716	43,107	170,528	46,953	285,916
Milling machines	6,975	36,452	11,287	70,257	16,158	159,021
Planers	84	3,035	141	6,638	158	8,641
Shapers (except gear shapers)	794	3,397	1,096	6,095	1,423	9,933
All other machine tools		35,051		58,608		70,992

Source: Department of Commerce, Bureau of the Census; published in *Facts for Industry*, Series M34A.

No. 1029.—Machinery—Value of Shipments of Selected Products: 1947 to 1952

[**In thousands of dollars.** Figures for 1950 to 1952 are based on sample and subject to sampling variation]

Class of products	1947	1950	1951	1952	Standard error (percent) [1]	
					1951	1952
Ball and roller bearings and components	[1] 352,501	450,495	625,528	606,079	4	6
Commercial laundry, dry-cleaning, and pressing machines [2]	93,078	77,441	85,561	89,937	7	10
Computing machines and cash registers [2]	301,809	349,670	423,811	456,374	1	1
Construction and mining machinery	932,430	973,503	1,412,634	1,591,963	5	7
Conveyors	234,074	240,696	347,621	407,011	5	8
Cutting tools, jigs, fixtures, etc	675,251	835,823	1,337,195	1,715,129	4	7
Domestic laundry equipment	433,955	532,084	527,283	511,071	2	2
Elevators and moving stairways [2]	96,421	102,195	108,840	116,545	9	15
Fabricated pipe and fittings made from purchased pipe	109,991	(3)	159,497	183,120	15	15
Farm machinery (except tractors)	844,251	1,051,877	1,261,836	1,196,139	2	7
Food-products machinery	334,733	323,609	383,503	349,050	5	4
Heat exchangers and steam condensers	52,627	76,621	101,238	133,477	5	7
Household mechanical refrigerators, including electric and gas	514,682	925,131	729,844	639,799	1	3
Industrial fans and blowers, including parts	129,913	129,785	181,211	197,573	4	5
Industrial furnaces and ovens	84,563	71,906	126,916	149,040	3	4
Industrial trucks, tractors, trailers, and stackers [2]	156,754	166,259	285,248	322,166	3	3
Internal combustion engines, except automotive and aircraft [4]	617,257	566,060	931,501	1,172,932	1	1
Machine tools	415,880	363,477	698,625	1,122,487	2	2
Mechanical power-transmission equipment	426,282	463,833	773,977	808,074	4	5
Mechanical stokers [2]	36,033	19,153	21,512	21,875	3	6
Office and store machines	178,890	208,399	206,235	217,074	3	1
Oil and gas field machinery and tools, including drilling equipment	262,939	333,048	462,026	492,208	5	5
Paper-industries machinery [2]	134,713	114,994	159,457	162,922	4	5
Printing-trades machinery and equipment [2]	191,282	200,682	205,716	177,121	3	5
Pumps and compressors	519,765	504,195	703,868	777,864	5	4
Scales and balances [2]	51,489	53,274	64,422	64,137	3	3
Sewing machines [5]	97,182	170,636	148,345	136,458	3	2
Steam engines and turbines	119,027	223,178	265,621	342,710	3	4
Textile machinery [2]	379,988	428,780	499,297	367,951	7	6
Tractors [6]	744,273	1,098,049	1,417,030	1,290,481	(7)	(7)
Typewriters [2]	140,163	130,410	158,342	151,798	2	3
Vacuum cleaners	150,647	167,260	148,450	148,472	1	3
Valves and fittings (except plumbers)	548,715	711,778	1,016,405	958,176	3	3
Woodworking machinery	151,379	137,347	174,214	153,242	4	4

[1] *1951* standard errors can be used as an approximation of *1950* standard errors. In most cases they slightly overstate actual 1950 standard error. See text, p. 808, for explanation of standard error.
[2] Includes parts and attachments.
[3] Withheld because the estimate did not meet publication standards. See text, p. 808.
[4] Represent shipments to other companies only.
[5] Includes parts and attachments (except cases and cabinets, and sewing machine needles).
[6] Includes parts and attachments for replacement but excludes parts and attachments sold to other tractor plants.
[7] Represents complete coverage.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures: 1952*.

No. 1030.—Electrical Machinery—Value of Shipments of Selected Products: 1947 to 1952

[In thousands of dollars. Figures for 1950 to 1952 are based on sample and subject to sampling variation]

Class of products	1947	1950	1951	1952	Standard error (percent) [1]	
					1951	1952
Carbon and graphite products	68,604	99,750	142,676	150,498	10	8
Electric lamps (bulbs)	191,706	243,157	264,135	239,745	(2)	(2)
Electrical appliances:						
Electric fans (except industrial type)	48,656	60,402	56,058	60,316	5	6
Household water heaters	60,478	63,522	58,648	(3)	5	------
Small household electric appliances and soldering irons (except fans)	249,169	306,004	294,461	304,843	8	6
Household ranges	132,235	218,478	201,179	146,507	1	2
Electrical equipment for internal combustion engines	337,015	486,964	594,068	607,751	1	1
Electrical hearing aids	16,868	23,073	22,316	21,103	5	10
Electrical measuring instruments	156,340	149,800	214,956	273,087	4	6
Electrical welding apparatus	107,616	109,825	172,802	209,094	6	6
Electron tubes:						
Transmitting and industrial type tubes, except X-ray tubes	25,321	(3)	101,340	182,296	15	15
Radio receiving-type tubes, except cathode ray	86,795	197,732	241,615	272,718	10	9
Cathode ray tubes (TV receiver type)	7,137	(3)	129,976	149,120	9	8
Electro-therapeutic apparatus	7,601	7,967	8,293	9,505	8	15
Insulated wire and cable	895,128	870,915	1,097,074	1,265,905	1	1
Motors and generators	855,577	888,136	1,210,178	1,291,061	2	2
Phonograph records	102,015	85,203	89,001	87,670	15	10
Primary batteries (dry and wet) including parts and supplies	78,094	95,491	110,833	130,249	3	4
Radios and related products:						
Household radio receivers, television sets, radio-phonographs, phonographs, and record players	810,066	1,687,073	1,296,486	[4]1,343,170	2	(2)
Commercial radio communications, radio navigation aids, and broadcast equipment	225,262	268,611	575,884	1,162,515	5	4
Electronic type components for communications	348,916	697,356	788,078	1,126,482	6	15
Recorders, amplifiers, audio equipment, and recording magnetic wire	31,884	46,597	61,445	(3)	7	------
Storage batteries	293,358	318,546	386,496	378,302	3	4
Switchgear and switchboard apparatus	360,988	331,736	485,713	569,295	4	3
Telephone and telegraph equipment, including components, attachments, and accessories	631,919	449,546	618,967	763,870	1	1
Transformers	326,777	405,480	524,301	582,012	3	3
Wiring devices and supplies	375,653	491,959	607,902	556,955	4	4
X-ray equipment and X-ray tubes [5]	49,559	40,277	56,737	56,682	1	4

[1] 1951 standard errors can be used as an approximation of 1950 standard errors. In most cases they slightly overstate actual 1950 standard error. See text, p. 808, for explanation of standard error.
[2] Represents complete coverage.
[3] Withheld because the estimate did not meet publication standards. See text, p. 808.
[4] Excludes radio chassis and television chassis for sale separately. In 1947 these items amounted to $5.7 million.
[5] Includes X-ray accessories and dental and industrial X-ray components and assemblies.

Source: Department of Commerce, Bureau of the Census; *Annual Survey of Manufactures: 1952.*

No. 1031.—Exports of Electric Home Appliances—Number: 1940 to 1953

[Export figures include shipments under foreign aid programs such as UNNRA, Interim Aid, ECA, and MDAP (FOA); Civilian Supply shipments are included in 1948 and subsequent years]

Product	1940	1945	1946	1947	1948	1949	1950	1951	1952	1953 (prel.)
Vacuum cleaners	9,964	1,470	14,124	74,221	51,511	27,941	19,966	18,089	26,273	55,689
Clocks	86,686	27,306	140,134	410,673	192,831	259,840	315,273	241,544	174,818	217,088
Irons	162,587	53,762	286,454	563,947	354,964	243,747	241,471	206,765	158,475	155,242
Radios and televisions	558,398	38,547	832,377	1,520,818	710,490	452,879	422,958	432,806	463,146	450,832
Refrigerators [1]	102,082	7,134	102,798	273,713	271,354	166,139	199,527	377,094	395,402	403,604
Razors	36,758	1,913	35,435	125,833	32,413	22,150	25,410	54,619	(2)	(2)
Washing machines	29,657	1,109	30,304	118,821	70,594	56,887	52,582	62,440	60,658	80,387
Ranges	7,302	1,158	4,663	15,508	13,469	6,496	5,841	13,620	15,383	22,005

[1] Beginning 1949 includes home freezers. [2] Not separately reported.

Source: Department of Commerce, Bureau of the Census; *Foreign Commerce and Navigation of the U. S.*, and *records.*

No. 1032.—Sales of Home Appliances, 1940 to 1953, Average Retail Price, 1953, and Homes Owning and Without Appliances, January 1954

[In thousands of units, except light bulbs and tubes in millions. Compiled from sales reports and estimates of associations and manufacturers, and from Census Bureau surveys of manufactures. Sales figures represent manufacturers' shipments. Unless otherwise specified, figures are for electric appliances only. Estimates for homes owning appliances and homes without appliances are based on the accumulation of yearly sales totals with certain allowances for replacement, trade-ins, junking, and other factors]

PRODUCT	1940	1946	1949	1950	1951	1952	1953		Jan. 1954	
							Sales	Average retail price	Homes owning [1]	Homes without [1]
Air conditioners, room	11	30	96	195	238	365	1,075	$391.19	1,381	42,199
Bed coverings, electric	-------	200	440	800	776	830	890	37.95	4,296	39,285
Blenders	-------	-------	175	225	290	395	335	39.95	1,745	41,835
Broilers	-------	800	260	295	312	435	1,320	54.85	3,671	39,909
Cleaners, vacuum:										
Floor type	1,341	2,290	2,890	3,529	2,729	2,842	2,775	94.50	26,370	17,210
Hand type	359	80	191	230	176	155	173	30.00		
Clocks	3,600	6,500	5,280	8,100	7,500	6,700	7,625	6.95	36,470	7,110
Coffee makers	1,873	5,000	2,450	2,975	2,825	3,000	3,685	19.95	23,678	19,902
Dehumidifiers	-------	-------	25	45	55	87	98	139.95	300	43,280
Dishwasher, motor-driven	-------	-------	160	230	260	175	180	300.00	1,380	42,200
Driers, clothes, total	-------	-------	106	319	492	635	685	246.02	2,180	41,400
Electric	-------	-------	85	251	354	474	525	238.25	-------	-------
Gas	-------	-------	21	68	138	161	160	271.50	-------	-------
Fans:										
Attic	-------	-------	77	95	90	95	101	150.00	-------	-------
Desk and bracket	1,682	1,239	2,776	2,450	2,225	1,625	2,365	22.95	-------	-------
Hassock or floor	-------	-------	-------	180	185	265	295	48.25	-------	-------
Ventilating, wall and ceiling	107	203	255	495	445	585	680	31.75	-------	-------
Window ventilating	-------	-------	-------	-------	320	505	660	59.95	-------	-------
Floor polishers	-------	-------	-------	240	275	287	295	65.00	-------	-------
Food waste units	-------	-------	155	320	352	260	353	130.00	1,697	41,883
Freezers, home	-------	210	485	890	1,050	1,140	1,200	400.00	5,955	37,625
Fryers, deep fat	-------	-------	-------	500	725	1,525	2,650	30.00	-------	-------
Gas central heating equipment [2]	117	663	660	1,025	615	747	798	-------	-------	-------
Heaters, electric, total	528	2,000	835	1,115	930	1,202	1,380	26.26	[3] 10,355	[3] 33,225
Heating pads	932	2,900	1,350	1,725	1,450	1,500	1,825	6.95	13,932	29,648
Hotplates	415	2,000	820	1,160	940	905	695	9.50	9,408	34,173
Ironing machines	176	175	307	400	284	211	170	195.85	4,061	39,519
Irons	5,171	9,600	6,310	7,475	7,585	6,235	7,215	16.22	39,273	4,308
Kitchen cabinets, steel (wall, base, accessory)	-------	1,348	2,132	2,969	2,672	2,970	3,441	51.73	-------	-------
Lamp bulbs and tubes	1,115	1,305	1,757	2,007	2,012	1,850	2,137	.27	-------	-------
Incandescent	568	726	814	934	950	921	985	.25	-------	-------
Other types	548	578	942	1,073	1,062	929	1,152	.28	-------	-------
Lawn mowers, power	42	139	529	1,080	1,241	1,155	1,275	113.37	-------	-------
Mixers, food:										
Standard	460	1,500	1,375	1,700	1,475	1,375	1,270	44.00	13,785	29,795
Portable	-------	-------	150	145	125	455	615	18.95		
Oil space heaters	390	1,006	742	886	768	740	703	94.00	7,735	38,804
Radio:										
Home radios	11,860	14,031	6,620	8,175	6,751	4,043	4,283	31.50	45,775	764
Other radios [4]	-------	-------	1,351	1,675	2,110	3,649	4,097	34.38		
Ranges:										
Electric	450	577	1,056	1,830	1,400	1,060	1,300	256.00	11,286	32,294
Gas, domestic [2]	1,742	1,800	2,106	3,031	2,356	2,175	2,173	-------	-------	-------
Refrigerators	2,700	2,100	4,450	6,200	4,075	3,570	3,775	295.00	39,397	4,183
Roasters	260	150	350	400	442	425	470	44.00	4,107	39,473
Shavers	900	2,115	1,725	2,150	2,200	2,750	3,500	27.00	14,874	28,707
Television	-------	7	3,000	7,464	5,385	6,096	7,000	285.00	27,500	16,080
Toasters	2,307	3,500	4,200	4,525	3,725	2,975	3,165	20.02	31,350	12,230
Waffle irons and sandwich grills	1,545	3,600	1,960	2,535	1,875	1,456	1,529	21.50	14,201	29,379
Washing machines:										
Electric	[5] 1,455	[5] 2,047	3,165	4,387	3,476	[5] 3,267	[5] 3,500	[5] 222.86	34,194	9,386
Gas engine	98	77	35	19	12	8	6	169.00	-------	-------
Water heaters:										
Electric storage	125	488	695	990	845	720	862	132.00	6,413	37,167
Gas, automatic domestic [2]	551	1,319	1,464	2,364	1,938	1,910	2,129	-------	-------	-------
Water systems	259	626	600	723	625	682	720	169.50	-------	-------

[1] All figures except radio and oil space heaters, based on 43,580,000 domestic and farm electric customers. Radio and oil space heaters based on 46,539,000 total homes.
[2] Source: Gas Appliance Manufacturers Association.
[3] Portable.
[4] Portable and clock radios.
[5] Excludes small washing machines.

Source: *Electrical Merchandising*, January 1954; published by McGraw-Hill Publishing Co., Inc., New York, N. Y. (except as noted).

No. 1033.—Shipments of Air-Conditioning Equipment and Refrigeration Equipment: 1945 to 1952

[**Value figures in thousands of dollars;** represent manufacturer's billing prices for units actually billed and shipped. Data for earlier years are less complete, and thus not strictly comparable]

PRODUCT	1945		1950		1951		1952	
	Number	Value	Number	Value	Number	Value	Number	Value
Condensing units	354,401	36,902	885,913	75,833	840,176	75,672	698,473	64,834
Ammonia refrigerants	1,785	2,503	245	352	240	404	200	300
Refrigerants except ammonia	352,616	34,399	855,668	75,481	839,936	75,268	698,264	64,534
Air-cooled	327,031	23,378	835,239	59,035	796,303	58,824	659,441	50,541
Water-cooled	25,585	11,021	50,429	16,446	43,633	16,444	38,823	13,993
Compressors and compressor units	107,340	9,578	954,368	46,977	1,051,037	56,669	1,677,300	71,047
Centrifugal-refrigeration systems	185	2,994	382	12,249	441	15,300	363	14,040
Heat-exchanger equipment	----------	22,422	----------	61,337	----------	64,935	----------	63,456
Evaporative condensers	2,885	2,820	7,818	8,869	6,216	8,552	4,912	7,326
Unit coolers	91,003	10,186	133,300	24,588	121,981	27,296	120,195	26,026
Other heat-exchanger equipment	----------	9,407	----------	27,880	----------	28,087	----------	30,104
Self-contained air-conditioning units	14,973	11,230	257,263	86,913	282,488	93,573	424,105	133,101
Ice-making machines	2,805	4,044	14,914	8,907	12,998	8,804	26,693	12,838

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M52A.

No. 1034.—Motion-Picture Production—Summary: 1921 to 1947

[Money figures in thousands of dollars]

YEAR	Number of establishments	ALL EMPLOYEES		Total expenses other than salaries and wages	Total cost of work done during the year
		Number (average for the year)	Salaries and wages, total		
1921	127	10,659	$37,693	(1)	$77,397
1923	97	9,904	38,425	(1)	80,418
1925	132	11,518	49,017	$44,619	93,636
1927	142	16,013	74,936	59,407	134,343
1929	142	19,602	85,028	99,074	184,102
1931	140	[2] 14,830	[2] 70,637	(1)	154,436
1933	92	19,037	71,344	47,999	119,343
1935	129	27,592	104,430	57,435	161,865
1937	83	32,398	130,551	68,100	197,741
1939	178	36,345	142,643	73,157	215,700
1947	277	34,799	293,046	167,097	460,143

[1] Not available.
[2] Represents production-department employees only; not comparable other years.

Source: Department of Commerce, Bureau of the Census; 1947 Census of Manufactures reports.

No. 1035.—Farm Machines and Equipment—Shipments: 1929 to 1952

[**In thousands of dollars.** Includes data for tractors for nonfarm use; for figures excluding these data, see table 1037. Survey suspended 1932–34. Data prior to 1947 represent sales, not significantly different from shipments]

YEAR	Total	Farm machines and equipment	Attachments and parts	YEAR	Total	Farm machines and equipment	Attachments and parts
1929	492,992	411,681	81,311	1943	602,290	344,854	257,436
1930	417,926	340,276	77,650	1944	1,026,207	694,880	331,327
1931	208,575	157,745	50,830	1945	996,557	697,422	299,135
1933	277,089	218,462	58,627	1946	983,515	699,965	283,550
1936	375,128	301,683	73,445	1947	1,502,598	1,100,592	402,006
1937	485,130	405,597	79,533	1948	1,961,987	1,475,998	485,989
1938	404,047	316,886	87,161	1949	2,062,266	1,588,435	473,831
1939	386,549	300,286	86,263	1950	2,099,807	1,637,272	462,535
1940	462,415	360,963	101,452	1951	2,636,996	2,029,779	606,217
1941	638,605	506,170	132,435	1952	2,388,874	1,807,421	581,453
1942	622,528	414,536	207,992				

Source: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A.

No. 1036.—Tractors, Attachments, and Parts (Farm and Nonfarm)—Shipments, by Kind: 1945 to 1952

[**Value in thousands of dollars.** Data prior to 1947 represent sales, not significantly different from shipments]

Year and type of product	Total value	Complete units				Attachments and parts (value)	
		Farm		Nonfarm		Farm	Nonfarm
		Number	Value	Number	Value		
Total:							
1945	559,378	263,164	177,578	52,488	206,917	85,421	89,462
1947	744,272	590,963	392,212	47,488	124,604	144,148	83,308
1948	970,792	697,633	547,704	41,053	141,653	194,847	86,588
1949	1,064,476	[1] 686,416	[1] 628,514	[1] 34,228	[1] 164,367	186,704	84,891
1950	1,098,049	[1] 663,344	[1] 620,583	[1] 35,000	[1] 199,448	170,086	107,932
1951	1,417,030	[1] 734,168	[1] 771,596	[1] 43,299	[1] 271,123	213,929	160,382
1952	1,290,481	[1] 625,575	[1] 636,959	[1] 42,249	[1] 287,656	197,983	167,883
Wheel type:							
1945	250,069	224,985	153,170	18,707	15,726	74,695	6,478
1947	475,086	413,783	331,653	14,882	17,682	117,586	8,165
1948	658,879	510,847	468,083	18,845	29,215	148,975	12,606
1949	723,129	[1] 534,946	[1] 543,005	[1] 10,422	[1] 29,425	141,920	8,779
1950	705,152	[1] 490,539	[1] 535,374	[1] 9,378	[1] 38,921	121,642	9,215
1951	930,064	[1] 545,663	[1] 680,423	[1] 14,310	[1] 77,578	141,081	30,982
1952	771,072	[1] 402,781	[1] 532,715	[1] 14,396	[1] 82,961	117,780	37,616
Tracklaying type:							
1945	303,269	11,149	20,974	32,849	191,033	8,400	82,862
1947	225,256	11,630	28,332	25,904	105,998	16,281	74,645
1948	268,930	17,365	49,569	22,208	112,438	32,941	73,982
1949	311,113	20,043	64,481	23,806	134,942	36,578	76,112
1950	360,437	18,978	62,960	25,622	160,527	38,233	98,717
1951	449,478	20,153	66,415	28,980	193,545	60,118	129,400
1952	477,920	20,302	76,146	27,853	204,695	66,812	130,267
Garden type:							
1945	6,040	27,030	3,434	932	158	2,326	122
1947	43,930	165,550	32,227	6,702	924	10,281	498
1948	42,983	169,421	30,052	----------	----------	12,931	----------
1949	30,234	131,427	21,028	----------	----------	9,206	----------
1950	32,460	153,827	22,249	----------	----------	10,211	----------
1951	37,488	168,362	24,768	----------	----------	12,730	----------
1952	41,489	202,492	28,098	----------	----------	13,391	----------

[1] Data for small number of nonfarm tractors included with "Farm."

No. 1037.—Farm Machines and Equipment—Shipments, by Class: 1945 to 1952

[**In thousands of dollars.** Excludes data for tractors for nonfarm use. Data for 1945 represent sales, which do not differ significantly from shipments]

Class	1945	1947	1948	1949	1950	1951	1952
Total	700,177	1,294,686	1,733,746	1,813,008	1,792,427	2,204,491	1,933,335
Farm machines and equipment (complete units)	490,504	975,988	1,334,345	1,424,068	1,437,824	1,758,656	1,519,765
Attachments and parts	209,673	318,698	399,401	388,940	354,603	445,835	413,570
COMPLETE UNITS, ATTACHMENTS, AND PARTS							
Plows and listers	40,163	83,529	100,605	99,974	100,326	111,512	92,632
Harrows, rollers, pulverizers, and stalk cutters	22,598	57,423	80,954	76,860	77,716	94,188	83,469
Planting, seeding, and fertilizing machinery	43,286	73,977	109,505	114,875	113,053	134,062	128,544
Cultivators and weeders	33,567	50,363	80,069	70,169	57,253	80,983	71,371
Sprayers and dusters	14,715	39,556	44,458	32,159	36,779	42,530	36,429
Harvesting machinery	99,361	191,570	247,820	290,555	288,153	345,084	309,979
Haying machinery	49,456	94,865	153,395	151,791	154,979	209,546	199,163
Machines for preparing crops for market or for use	25,230	42,013	42,216	35,383	30,552	36,406	31,349
Farm poultry equipment	24,868	20,602	20,379	25,345	30,127	34,611	25,298
Farm dairy machines and equipment	46,752	31,415	23,443	20,057	22,969	22,310	21,471
Barn equipment	7,087	11,802	13,207	10,050	11,300	13,719	15,526
Barnyard equipment	8,087	8,808	10,915	13,498	17,777	21,641	16,064
Farm elevators and blowers	6,144	16,389	25,311	32,735	34,671	39,378	38,885
Farm wagons, trucks, and other farm transportation equipment	15,864	36,014	38,918	24,339	26,103	32,996	29,208
Tractors for farm use	262,999	536,360	742,551	815,218	790,669	986,525	834,942

Source of tables 1036 and 1037: Department of Commerce, Bureau of the Census; *Facts for Industry*, Series M35A.

31. Distribution and Services

Including Advertising

The major source of distribution and services data is the Census of Business taken by the Bureau of the Census of the Department of Commerce. The first Census of Business was taken for 1929. Although the next census was scheduled by law to cover 1939, two special censuses covering 1933 and 1935 were taken before the census for 1939. Under the provisions of a law passed in 1948, the Census of Business is to be conducted at 5-year intervals. The first census under this act was taken in 1949 covering the year 1948. The Census scheduled to be conducted in 1954 covering the year 1953 was not taken.

The business establishments covered in the fields included in the Census of Business may be generally described as follows:

Retail trade.—Places of business primarily engaged in selling merchandise for personal, household, or farm consumption;

Wholesale trade.—Establishments primarily engaged in selling goods to dealers and distributors for resale or to purchasers who buy for business uses; and

Service.—Establishments engaged primarily in the sale of services as contrasted with the sale of merchandise.

Certain types of businesses, broadly defined, are not included in any Census of Business. Outstanding in this group are the business activities of doctors, lawyers, dentists, and others performing a professional or scientific service, educational institutions, religious or charitable institutions, hospitals and infirmaries, public utilities, and government-operated enterprises. These types of economic activity are omitted largely because of problems in obtaining information or because reasonably adequate data are available from other sources.

Many of the tables shown in this section contain comparative data from the various Censuses of Business. Adjustments have been made in the figures to make allowances for the changes in scope among the various years compared.

Retail trade.—Annual data on retail trade are compiled and published by the Bureau of the Census in the *Annual Retail Trade Report.* This report includes figures showing sales, inventories, and receivables for retail stores classified by kind of business. The same agency compiles and publishes the *Monthly Retail Trade Report* which presents dollar volume estimates of monthly retail sales classified by kind of business. Monthly estimates of dollar volume of retail sales for the United States are also published in the *Survey of Current Business,* issued by the Office of Business Economics of the Department of Commerce. The *Advance Retail Sales Report* issued jointly by the Bureau of the Census and the Office of Business Economics within 10 days after the end of each report month also presents "flash" estimates of the previous month's retail sales classified by major kind-of-business groups. All of the data shown in these various reports are derived from information collected from a sample of retail stores.

Note.—This section presents data for the most recent year or period available on May 28, 1954, when the material was organized and sent to the printer.

Indexes of department store sales and stocks are compiled by the Board of Governors of the Federal Reserve System and by each of the 12 Federal Reserve Banks for its district. These indexes are published monthly in the *Federal Reserve Bulletin* and also in the *Survey of Current Business*. Monthly and annual statistics on consumer credit are compiled by the Board of Governors of the Federal Reserve System and published currently in the *Federal Reserve Bulletin*. Financial data for corporations engaged in retail trade and filing income tax returns are published by the Internal Revenue Service in its annual report, *Statistics of Income*. Financial statistics on corporations engaged in retail trade whose securities are listed on the national securities exchanges are available from the Securities and Exchange Commission.

Wholesale trade.—Monthly statistics on trends in sales and inventories of merchant wholesalers, by kinds of business and by geographic divisions, are compiled and published by the Bureau of the Census. These data are based on the reports of approximately 4,000 establishments. Using these survey data as a basis, monthly estimates of aggregate sales of wholesalers raised to national totals are prepared by the Office of Business Economics and published in the *Survey of Current Business*.

Financial statistics relating to corporations in wholesale trade are available from the annual report, *Statistics of Income*, published by the Internal Revenue Service.

Current data on the production, movement, stocks, carry-over, receipts, and disappearances at principal markets, etc., for major agricultural commodities are available from the Agricultural Marketing Service, Department of Agriculture.

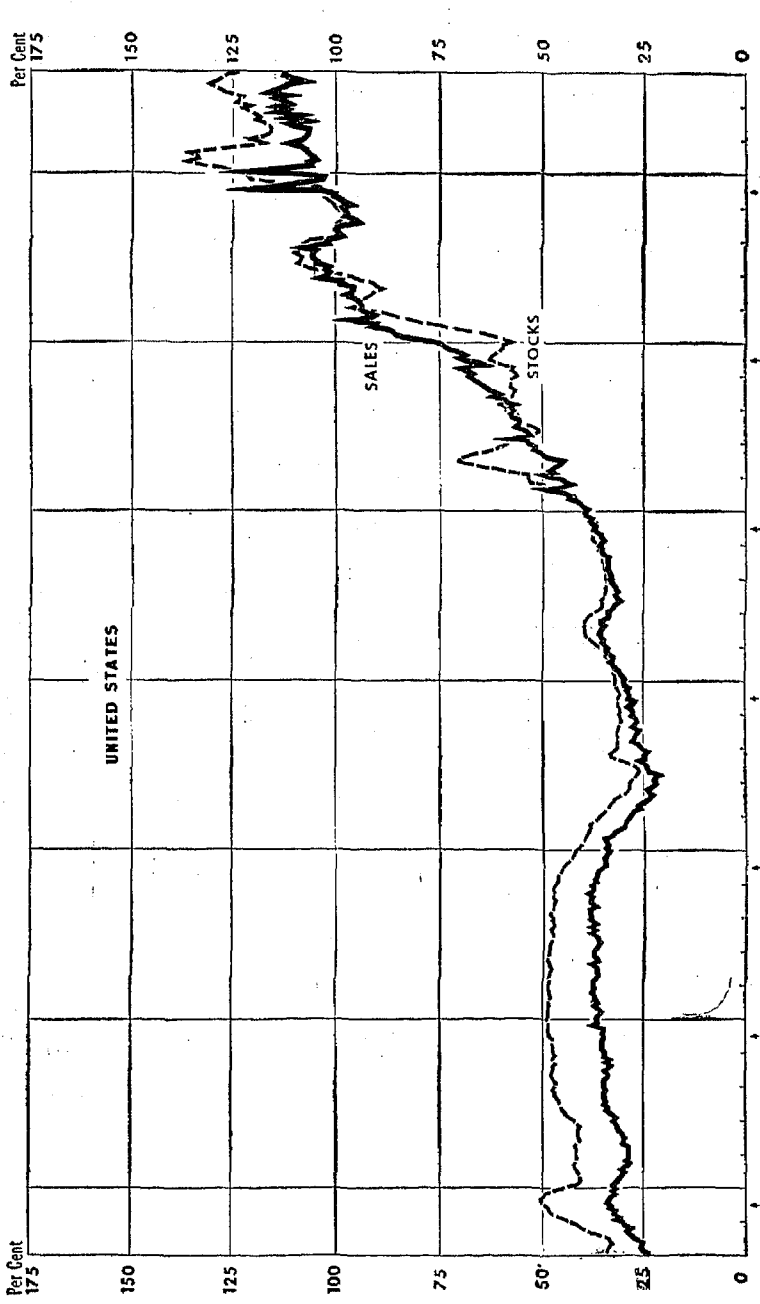
As part of its investigations, the Federal Trade Commission has collected operating statistics on wholesalers as well as on the wholesale business of chains in various lines. Financial statistics on corporations engaged in wholesale trade whose securities are listed on the national securities exchanges are available from the Securities and Exchange Commission.

Service trades.—Typical of the numerous current statistical reports on personal and business services compiled by private agencies are the *Horwath Hotel Accountant*, *Printers' Ink*, and *National Advertising Records*. Financial statistics of service businesses derived from corporation income tax returns are compiled and published annually by the Internal Revenue Service in its annual report, *Statistics of Income*. Current data on service trades are provided by the Office of Business Economics in its quarterly and annual estimates of consumption expenditures published in the *Survey of Current Business*.

Advertising.—Statistics shown here on advertising expenditures are compiled by private organizations. McCann-Erickson, Inc., which compiles certain of the data shown on advertising expenditures, defines national advertising as that advertising done for companies whose products are distributed nationally, and for which national media rates are paid. Local advertising is defined as advertising done for companies which market their products locally and may pay special "local" media rates. Monthly figures are published regularly in *Printers' Ink*, in *Tide Magazine*, and also in the Department of Commerce *Survey of Current Business*.

Fig. XLVIII.—Indexes of Department Store Sales and Stocks: 1919 to 1953

[1947–49=100. See table 1043]



Source: Board of Governors of the Federal Reserve System.

No. 1038.—Retail Trade—Sales, by Kind-of-Business Groups; and Total Inventories: 1929 to 1953

[In millions of dollars]

Kind-of-business group	1929	1935	1939	1945	1948	1950	1951	New series [1]		
								1951	1952	1953
SALES										
All retail stores [2]	[3] 48,459	32,791	42,042	78,034	130,521	143,689	152,975	158,223	164,085	170,741
Durable goods stores [2]	15,610	8,321	11,312	16,026	41,876	52,935	53,170	54,479	55,270	60,371
Automotive group	7,031	4,237	5,549	5,855	20,104	28,289	27,316	28,156	28,337	33,320
Motor vehicle, other automotive dealers	6,432	3,863	5,025	5,000	18,744	26,702	25,634	26,282	26,393	31,498
Tire, battery, accessory dealers	599	374	524	855	1,360	1,587	1,682	1,874	1,944	1,822
Furniture and appliance group	2,755	1,290	1,733	2,740	6,914	8,249	8,073	8,604	8,926	9,125
Furniture and home furnishings	1,813	852	1,200	2,101	4,371	4,847	4,943	5,095	5,255	5,136
Household appliances and radio	942	438	533	639	2,543	3,402	3,130	3,509	3,671	3,989
Jewelry	536	235	362	997	1,225	1,174	1,256	1,351	1,452	[4]
Lumber, building and hardware group	3,327	1,572	2,390	3,739	8,766	10,092	10,648	10,208	10,200	10,421
Lumber and building materials	2,621	1,105	1,761	2,502	6,272	7,458	7,798	7,470	7,572	7,715
Hardware	706	467	629	1,237	2,494	2,634	2,850	2,738	2,628	2,706
Nondurable goods stores [2]	32,849	24,470	30,730	62,008	88,645	90,754	99,805	103,744	108,815	110,370
Apparel group	4,241	2,656	3,259	7,689	9,803	9,333	10,043	10,209	10,633	10,256
Men's and boys' wear	1,358	727	840	1,769	2,309	2,175	2,320	2,461	2,497	2,249
Women's apparel and accessory	1,480	1,026	1,323	3,338	3,961	3,606	3,923	4,049	4,233	4,089
Family and other apparel	596	392	479	1,442	2,066	2,041	2,103	2,015	2,210	2,182
Shoes	807	511	617	1,140	1,467	1,511	1,637	1,684	1,693	1,736
Drug and proprietary stores	1,690	1,233	1,563	3,155	4,013	4,166	4,500	4,547	4,717	4,790
Eating and drinking places	2,132	2,395	3,529	9,575	10,683	10,626	11,626	12,207	12,688	13,003
Food group [2]	10,960	8,358	10,156	19,233	30,966	32,768	36,940	37,626	39,771	40,777
Grocery	7,353	6,352	7,722	14,593	24,770	26,412	29,316	30,346	32,238	33,623
Gasoline service stations [5]	1,787	1,068	2,822	3,284	6,483	7,553	8,390	9,151	9,976	10,536
General merchandise group	9,015	5,730	6,475	11,802	17,135	17,235	18,170	18,202	18,694	19,006
Department, excluding mail order	3,903	2,833	3,408	6,484	9,344	9,403	9,846	10,095	10,277	10,370
Mail order (catalog sales)	447	386	464	608	1,301	1,235	1,284	1,309	1,339	1,327
Variety	904	873	1,080	1,845	2,507	2,587	2,807	2,859	2,996	3,095
Other general merchandise	3,761	1,638	1,523	2,865	3,983	4,010	4,233	3,939	4,082	4,214
Other nondurable goods stores: [2]										
Liquor	----------	328	586	2,288	2,580	2,550	2,834	2,975	3,165	3,325
INVENTORIES										
All retail stores, inventories, end of year	[4]	[4]	5,285	7,442	15,190	18,414	[4]	19,904	20,234	21,208

[1] New series not comparable to prior years due to change in methodology used to compute retail store sales and inventory estimates; see *Survey of Current Business*, September and November 1952.

[2] Sales of other durable goods stores, other food stores, and other nondurable goods stores not shown separately but included in totals.

[3] Includes sales of certain milk dealers in the amount of $130,000,000, not included in tables 1044 and 1048. Data for these concerns were received too late for inclusion in summary tables for 1929.

[4] Not available.

[5] Much of increase in sales from 1929 to 1939 results from change in classification. Garages primarily selling gasoline and oil were classified separately as garages in 1929 Census of Retail Trade and included in filling station category in 1939 Census of Retail Trade.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; published currently in *Survey of Current Business*.

No. 1039.—Retail Sales of Chain Stores and Mail-Order Houses, by Kind of Business: 1929 to 1953

[In millions of dollars]

KIND OF BUSINESS	1929	1935	1939	1945	1948	1950	1951	NEW SERIES [1]		
								1951	1952	1953
Total sales	10,412	8,040	9,570	17,280	29,737	31,232	34,000	28,536	30,120	30,929
Durable goods stores	1,683	813	1,024	1,627	3,407	3,863	3,825	2,521	2,605	2,580
Automotive group	746	355	372	391	741	959	964	(2)	(2)	(2)
Motor vehicle, other automotive dealers	624	168	136	96	287	408	389	(2)	(2)	(2)
Tire, battery, accessory dealers	122	187	236	295	454	551	575	568	611	636
Furniture and appliance group	392	162	239	389	1,027	1,214	1,141	679	700	710
Furniture, home furnishings stores	235	97	151	277	562	592	569	287	317	320
Household appliance, radio stores	157	65	88	112	465	622	572	392	383	390
Jewelry stores	36	22	36	108	134	129	138	66	70	79
Lumber, building, hardware group [3]	509	274	375	739	1,505	1,661	1,552	1,208	1,224	1,155
Lumber, building materials dealers	488	256	350	565	1,107	1,147	1,147	798	785	728
Nondurable goods stores	8,729	7,227	8,546	15,653	26,330	27,369	30,175	26,015	27,515	28,349
Apparel group	1,197	758	992	2,090	2,729	2,588	2,763	2,009	2,068	2,079
Men's and boys' wear stores	271	141	173	272	366	338	342	215	214	205
Women's apparel, accessory stores	413	260	394	968	1,117	1,042	1,137	786	834	821
Family and other apparel stores	144	78	80	329	548	512	630	356	378	402
Shoe stores	369	279	345	521	698	696	745	652	642	651
Drug and proprietary stores	312	317	400	704	869	852	905	722	737	759
Eating and drinking places	209	248	304	593	742	724	779	590	622	671
Food group [3]	3,475	2,916	3,340	5,614	10,493	11,344	12,921	11,705	12,554	13,390
Grocery stores	2,883	2,488	2,833	4,705	9,319	10,140	11,569	10,718	11,606	12,404
Gasoline service stations	605	423	288	271	470	548	609	478	474	498
General merchandise group	2,275	2,124	2,693	4,925	8,930	9,300	9,950	8,575	8,916	8,962
Department stores, excluding mail order	1,013	898	1,228	2,630	5,373	5,743	6,149	3,820	4,002	4,058
Mail order (catalog sales)	447	386	464	608	1,301	1,235	1,284	1,220	1,254	1,233
Variety stores	815	801	952	1,559	2,077	2,143	2,320	2,233	2,322	2,350
Other general merchandise stores		39	51	128	179	179	191	1,302	1,338	1,321
Other retail stores	566	441	529	1,456	2,097	2,013	2,248	1,936	2,144	1,990

[1] Based on sales of organizations operating 11 or more retail stores in same kind of business; data for prior years represented sales of organizations with 4 or more retail stores. See *Survey of Current Business*, Sept. 1952.
[2] Not available. [3] Group total includes other related business not separately shown.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; published currently in *Survey of Current Business*.

No. 1040.—Sales of Firms With 11 or More Retail Stores, by Selected Kind of Business, and by Months: 1952 and 1953

[In millions of dollars. Figures are seasonally adjusted]

MONTH	TOTAL [1]		APPAREL STORES		DRUG AND PROPRIETARY STORES		EATING AND DRINKING PLACES		FOOD STORES		GENERAL MERCHANDISE STORES AND MAIL ORDER	
	1952	1953	1952	1953	1952	1953	1952	1953	1952	1953	1952	1953
Annual sales	30,120	30,929	2,068	2,079	737	759	622	671	12,554	13,390	8,916	8,962
January	2,420	2,506	173	167	61	63	50	51	1,010	1,075	717	731
February	2,421	2,564	164	168	62	62	49	52	998	1,088	725	754
March	2,359	2,588	157	172	60	62	48	54	996	1,085	685	765
April	2,446	2,576	170	171	62	63	51	56	1,013	1,097	724	746
May	2,475	2,559	164	177	61	64	53	57	1,015	1,061	745	779
June	2,559	2,625	176	174	62	65	52	59	1,040	1,120	770	777
July	2,520	2,647	171	184	61	64	54	60	1,063	1,137	729	783
August	2,560	2,552	174	170	62	63	53	57	1,055	1,138	757	784
September	2,545	2,573	169	166	61	64	54	59	1,091	1,163	729	715
October	2,622	2,523	180	169	61	63	54	57	1,091	1,141	783	696
November	2,555	2,566	176	173	62	63	52	55	1,089	1,138	735	722
December	2,638	2,620	195	188	62	63	52	54	1,083	1,147	817	760

[1] Includes businesses not shown separately.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; published currently in *Survey of Current Business*.

No. 1041.—Sales of Retail Stores, By Months: 1951 to 1953

[**Millions of dollars.** Figures are seasonally adjusted. Data not comparable to that published for earlier years due to change in methodology; see *Survey of Current Business*, September 1952. See also table 1038]

MONTH	ALL RETAIL STORES			DURABLE GOODS STORES [1]			NONDURABLE GOODS STORES [1]		
	1951	1952	1953	1951	1952	1953	1951	1952	1953
Year	**158,223**	**164,085**	**170,741**	**54,479**	**55,270**	**60,371**	**103,744**	**108,815**	**110,370**
January	14,027	13,170	14,140	5,260	4,364	5,000	8,767	8,806	9,140
February	13,859	13,421	14,514	5,179	4,608	5,304	8,680	8,813	9,211
March	13,162	13,033	14,437	4,680	4,312	5,211	8,482	8,721	9,225
April	12,885	13,363	14,280	4,441	4,494	5,124	8,444	8,869	9,156
May	12,979	13,850	14,424	4,472	4,927	5,154	8,507	8,923	9,270
June	12,913	14,014	14,412	4,399	4,883	5,103	8,514	9,131	9,309
July	12,796	13,667	14,469	4,223	4,494	5,102	8,573	9,173	9,367
August	13,074	13,359	14,073	4,387	4,199	4,914	8,687	9,160	9,159
September	12,992	13,570	13,982	4,398	4,505	4,865	8,594	9,065	9,117
October	13,230	14,202	14,040	4,437	4,844	5,029	8,793	9,358	9,011
November	13,239	14,026	14,104	4,352	4,769	5,005	8,887	9,257	9,099
December	13,067	14,410	13,932	4,251	4,871	4,626	8,816	9,539	9,306

[1] Durable goods include automotive group; furniture and appliance group; jewelry stores; lumber, building, hardware group; and other durable goods stores. Nondurable goods stores include all other kinds of business.

Source: Department of Commerce, Office of Business Economics and Bureau of the Census; published currently in *Survey of Current Business*.

No. 1042.—Department Store Merchandising Data: 1939 to 1953

[These figures are *not* estimates for all department stores in the United States. Figures for sales, stocks, and outstanding orders are based on actual reports from 325 stores. Receipts of goods are derived from reported figures on sales and stocks. New orders are derived from receipts and reported figures on outstanding orders]

PERIOD	REPORTED DATA (millions of dollars) [1]			DERIVED DATA (millions of dollars) [1]		RATIOS				
	Sales (total for month)	Stocks (end of month)	Outstanding orders (end of month)	Receipts (total for month)	New orders (total for month)	Stocks to sales	Outstanding orders to sales	Outstanding orders to stocks	Stocks plus outstanding orders to sales	Receipts to sales
Monthly average:										
1939	139	369	[2]	141	[2]	2.8	[2]	[2]	[2]	1.0
1940	147	379	115	148	[2]	2.7	0.8	0.3	3.6	1.0
1941	169	450	206	179	184	2.8	1.3	.5	4.0	1.1
1942	194	543	280	197	208	3.5	1.5	.4	5.1	1.1
1943	221	546	563	220	242	2.6	2.7	1.0	5.2	1.0
1944	246	574	596	244	255	2.4	2.5	1.0	5.0	1.0
1945	276	604	775	277	291	2.3	3.0	1.3	5.3	1.0
1946	345	767	964	373	354	2.3	3.0	1.3	5.3	1.1
1947	365	887	588	366	364	2.5	1.7	.7	4.3	1.0
1948	381	979	494	386	363	2.7	1.4	.5	4.1	1.0
1949	361	925	373	358	358	2.7	1.1	.4	3.8	1.0
1950	376	1,012	495	391	401	2.8	1.4	.5	4.2	1.1
1951	391	1,202	460	390	379	3.2	1.3	.4	4.4	1.0
1952	397	1,097	435	397	401	2.9	1.2	.4	4.1	1.0
1953	402	1,157	421	403	397	3.0	1.1	.4	4.2	1.0

[1] Not adjusted for seasonal variation.
[2] Not available.

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin*.

No. 1043.—Department Store Sales and Stocks—Indexes, by Federal Reserve District: 1919 to 1953

[1947-49 average=100. Based on retail value figures. All monthly data adjusted for seasonal variation and sales data also adjusted for number of trading days]

Year or month	United States	Federal Reserve District											
		Boston	New York	Philadelphia	Cleveland	Richmond	Atlanta	Chicago	St. Louis	Minneapolis	Kansas City	Dallas	San Francisco
SALES													
1919	27	37	34	40	27	21	20	------	------	37	------	21	18
1920	32	42	41	47	34	23	24	------	------	42	------	26	22
1925	36	48	47	50	35	26	22	35	36	41	38	23	26
1930	35	47	51	44	34	26	22	35	33	35	34	22	28
1935	29	35	38	34	28	25	19	30	25	30	27	19	24
1940	37	42	43	41	38	34	29	40	35	36	34	27	33
1943	56	60	55	56	56	58	50	57	54	51	57	50	59
1944	62	66	61	62	61	65	61	62	61	57	64	58	65
1945	70	72	70	68	68	73	70	68	70	66	72	66	72
1946	90	92	91	87	88	92	90	89	90	88	90	85	91
1947	98	99	99	96	97	97	96	99	97	98	98	94	99
1948	104	102	103	104	105	103	103	104	104	104	103	105	104
1949	98	99	98	100	98	100	101	97	98	99	99	102	98
1950	105	103	101	106	105	105	109	104	104	105	108	113	105
1951	109	105	105	109	111	113	115	108	107	104	111	117	109
1952	110	104	101	109	110	118	124	106	110	104	113	124	114
1953	112	105	102	110	113	119	126	111	112	104	112	125	115
January	111	105	100	108	113	116	125	107	108	103	114	127	117
February	112	106	100	112	115	120	123	110	113	105	115	125	117
March	*115*	*105*	*102*	*112*	*116*	*128*	*128*	*114*	*118*	*108*	*114*	*126*	*120*
April	111	106	102	112	105	120	118	110	111	99	112	124	116
May	117	106	103	118	115	130	134	114	118	107	115	131	125
June	115	103	102	110	118	119	128	112	122	106	118	134	121
July	113	106	104	117	114	120	127	110	107	105	111	124	117
August	112	99	99	116	120	114	130	109	110	102	112	127	113
September	107	105	98	104	109	114	119	106	102	100	103	112	110
October	110	107	104	106	110	117	128	109	108	103	108	122	111
November	113	107	102	108	115	118	128	113	114	105	112	127	112
December	112	108	101	108	112	121	127	115	113	107	114	125	109
STOCKS													
1919	37	53	44	------	37	------	29	------	------	48	------	34	27
1920	48	62	60	------	51	------	38	------	------	59	------	46	35
1925	48	64	58	76	50	35	33	43	55	56	59	40	36
1930	44	56	58	58	45	32	30	44	46	41	52	29	36
1935	31	43	40	40	31	26	22	30	33	32	32	23	26
1940	38	47	44	42	39	33	29	38	30	39	36	29	34
1943	55	65	62	60	54	54	44	55	54	52	53	42	53
1944	58	68	65	62	57	59	51	55	56	58	55	48	54
1945	59	71	69	64	59	62	53	55	58	57	56	52	56
1946	77	85	86	81	78	80	75	73	77	74	74	69	73
1947	93	95	98	93	93	94	90	89	93	91	93	89	93
1948	107	105	105	107	107	105	108	111	102	110	108	110	107
1949	100	100	97	99	100	101	102	100	96	100	100	101	100
1950	109	109	105	108	106	113	120	110	107	104	113	112	110
1951	129	124	124	127	128	133	140	128	128	117	132	132	131
1952	118	111	113	113	111	130	135	115	117	107	124	126	125
1953	126	116	116	119	119	141	146	123	126	115	136	138	133
January	124	115	115	116	114	142	144	119	125	111	129	135	132
February	123	114	112	*115*	*115*	*130*	146	119	119	*113*	*130*	*134*	*133*
March	122	116	112	112	113	140	145	118	122	111	129	133	133
April	125	119	114	117	114	142	145	123	128	114	131	138	132
May	127	120	117	121	117	143	145	123	131	115	136	139	135
June	128	117	118	122	122	146	147	123	132	114	140	141	135
July	130	117	121	122	124	145	148	125	131	117	145	140	138
August	131	119	122	122	124	148	141	128	134	120	145	142	136
September	128	117	117	122	121	139	148	127	129	122	141	141	132
October	128	117	116	122	124	143	148	126	124	118	138	139	132
November	127	115	115	120	121	144	149	124	121	115	137	136	133
December	123	112	113	117	121	132	142	122	118	111	133	131	129

Source: Board of Governors of the Federal Reserve System; *Federal Reserve Bulletin.*

No. 1044.—Retail Stores—Summary, by

	Kind of business	Number of stores			Sales, entire year ($1,000)		
		1929	1939	1948	1929	1939	1948
1	**United States, total**	1,476,365	1,770,355	1,769,540	48,329,652	42,041,790	130,520,548
2	**Food group**	481,591	560,549	504,439	10,837,421	10,164,987	30,965,674
3	Grocery stores, without fresh meat	101,876	200,303	154,277	3,449,129	2,225,435	4,026,835
4	Grocery stores, with fresh meat	116,549	187,034	223,662	3,903,662	5,496,318	20,743,288
5	Meat markets	43,788	35,630	24,242	1,253,260	700,243	1,641,697
6	Fish (sea food) markets	6,077	6,730	5,223	83,608	50,554	133,872
7	Fruit stores, vegetable markets	22,904	27,666	15,763	308,379	222,239	308,968
8	Candy, nut, confectionery stores	63,265	48,015	32,876	571,549	295,300	649,347
9	Dairy products stores	4,488	7,382	6,743	165,965	142,728	388,965
10	Milk dealers	3,990	9,462	4,984	560,996	597,283	1,527,997
11	Bakery products stores [1]	12,013	16,985	20,152	201,093	168,027	725,021
12	Bakeries, without baking on premises	(2)	(2)	4,466	(2)	(2)	162,649
13	Bakeries, with baking on premises	(2)	(2)	15,686	(2)	(2)	562,372
14	Egg, poultry dealers	3,258	6,532	5,582	70,858	63,350	256,664
15	Delicatessen stores	11,166	9,909	8,212	194,820	132,365	308,777
16	Other food stores	3,517	4,911	2,723	74,012	71,125	194,243
17	**Eating and drinking places**	134,293	305,386	346,556	2,124,890	3,520,052	10,683,324
18	Restaurants, cafeterias, caterers [1]	96,950	99,068	131,190	1,802,913	1,764,854	5,303,094
19	Restaurants, cafeterias	96,950	99,068	130,192	1,802,913	1,764,854	5,236,920
20	Caterers	(1)	(1)	998	(1)	(1)	66,174
21	Lunch counters, refreshment stands	37,343	70,724	62,933	321,977	370,166	1,165,129
22	Drinking places	----------	135,594	152,433	----------	1,385,032	4,215,101
23	General stores	104,089	39,688	21,557	2,570,744	810,342	1,159,361
24	**General merchandise group**	54,636	50,267	52,544	6,444,101	5,665,007	15,975,357
25	Department stores	4,221	4,074	2,580	4,350,098	3,974,998	10,644,747
26	Dry goods, general merchandise stores	38,305	29,247	29,754	1,189,856	713,208	2,823,860
27	Variety stores	12,110	16,946	20,210	904,147	976,801	2,506,741
28	**Apparel group**	114,296	106,959	115,246	4,240,893	3,258,772	9,803,218
29	Men's, boys' clothing stores	17,435	15,577	14,775	936,947	664,511	1,699,902
30	Men's, boys' furnishings stores	10,762	5,924	8,955	255,776	108,801	556,051
31	Family clothing stores	10,551	10,053	12,533	552,353	429,454	1,791,317
32	Women's ready-to-wear stores	18,253	25,820	30,677	1,087,601	1,009,494	3,305,162
33	Millinery stores	12,433	10,799	5,725	161,807	118,686	108,556
34	Hosiery stores	1,043	2,203	1,858	54,830	35,307	71,911
35	Corset, lingerie stores	2,390	2,338	2,812	49,556	27,938	80,179
36	Apparel accessory, specialty stores	925	1,863	3,086	19,588	37,318	107,221
37	Men's shoe stores	1,402	2,472	2,246	61,507	78,770	199,331
38	Women's shoe stores	1,966	2,735	2,985	130,681	154,138	372,579
39	Family shoe stores	21,191	15,280	13,707	614,641	384,156	873,354
40	Children's, juveniles' shoe stores	(3)	(3)	613	(3)	(3)	22,043
41	Custom tailors	11,284	5,674	4,963	165,048	66,282	142,861
42	Furriers, fur shops	2,280	2,214	2,350	106,862	94,133	219,299
43	Children's, infants' wear stores	1,309	3,917	6,730	29,965	49,884	231,644
44	Other apparel stores	472		1,231	13,731		42,817
45	**Furniture, furnishings, appliance group**	58,941	52,827	85,585	2,754,721	1,733,257	6,914,179
46	Furniture stores	25,854	19,902	29,031	1,578,632	973,157	3,427,108
47	Floor covering stores	1,503	1,086	4,568	73,428	68,618	368,953
48	Drapery, curtain, upholstery stores	973	930	3,178	15,735	15,843	141,409
49	China, glassware, metalware stores	1,066	778	1,626	35,128	21,821	116,916
50	Antique stores	2,099	3,324	4,963	60,373	17,743	53,062
51	Other home furnishing stores	2,080	4,994	5,288	37,592	112,702	273,318
52	Household appliance stores	9,329	18,002	29,700	389,061	484,698	2,159,302
53	Radio stores	16,037	2,011	7,231	561,772	48,675	384,057

See footnotes at end of table.

KIND OF BUSINESS: 1929, 1939, AND 1948

PAYROLL, ENTIRE YEAR ($1,000)			NUMBER OF ACTIVE PROPRIETORS OF UNINCORPORATED BUSINESSES			NUMBER OF PAID EMPLOYEES, WORK-WEEK ENDED NEAREST NOV. 15				
						Total		Full workweek		
1929	1939	1948	1929	1939	Nov. 1948	1939	1948	1939	1948	
5,044,128	4,529,499	13,567,997	1,434,704	1,613,673	1,742,046	4,821,806	6,918,061	3,870,195	5,608,398	1
767,207	760,762	1,943,967	468,301	516,976	509,721	814,746	1,005,897	614,930	753,503	2
183,439	110,663	145,388	171,991	178,182	152,086	131,543	89,043	92,166	60,126	3
254,264	354,140	1,112,827	113,286	173,799	228,406	421,491	597,213	307,225	432,736	4
84,898	50,984	89,645	45,248	35,886	26,222	49,599	40,205	38,524	31,859	5
7,500	4,246	8,509	6,571	6,968	5,673	5,516	5,345	3,971	4,061	6
20,583	15,903	24,249	25,106	28,282	17,380	20,282	14,893	14,606	10,667	7
45,724	20,144	56,686	67,596	45,777	31,276	31,393	43,745	22,545	29,805	8
13,583	17,892	38,135	3,879	4,111	5,468	18,160	20,579	14,552	14,967	9
101,027	140,078	263,071	4,063	9,207	4,699	81,106	82,161	78,582	78,880	10
31,061	21,735	140,719	11,782	14,284	20,906	28,033	82,509	21,409	66,167	11
(2)	(2)	22,489	(2)	(2)	2,876	(2)	14,078	(2)	10,515	12
(2)	(2)	118,230	(2)	(2)	18,030	(2)	68,431	(2)	55,652	13
3,320	3,514	11,460	3,513	6,545	5,910	5,468	7,683	3,218	4,983	14
10,699	6,911	15,252	12,184	9,895	9,245	8,442	9,349	6,815	6,924	15
11,109	14,462	38,026	3,082	4,040	2,450	12,813	13,172	11,317	12,328	16
396,075	565,585	1,940,907	148,948	306,219	372,044	830,063	1,337,186	701,188	1,080,090	17
348,700	364,451	1,169,538	109,837	101,276	143,016	544,912	828,046	478,816	688,954	18
348,700	364,451	1,153,934	109,837	101,276	142,071	544,912	815,924	478,816	683,094	19
(1)	(1)	15,604	(1)	(1)	945	(1)	12,122	(1)	5,860	20
47,375	41,445	172,952	39,111	68,726	64,451	62,970	139,818	47,475	102,849	21
----------	159,689	598,417	----------	136,217	164,577	222,181	369,322	174,807	288,237	22
115,511	47,376	65,785	121,366	38,646	21,952	62,423	41,444	50,364	33,191	23
818,930	803,485	2,304,206	47,821	36,362	39,932	965,884	1,351,387	674,324	1,004,234	24
620,990	611,706	1,660,702	1,441	560	261	637,189	843,479	489,748	683,444	25
102,578	69,975	281,578	39,037	25,910	26,738	99,246	175,029	69,270	128,956	26
95,362	121,804	361,926	7,343	9,892	12,933	229,449	332,879	115,306	191,834	27
505,353	420,823	1,178,820	99,613	82,329	99,453	417,396	585,703	318,379	458,721	28
101,245	80,382	189,495	16,649	13,194	13,474	61,510	71,090	51,682	58,903	29
22,119	10,868	54,286	9,705	4,652	8,206	9,242	22,464	7,165	17,702	30
65,086	58,478	217,854	9,345	8,317	11,370	61,598	114,083	47,012	89,171	31
134,582	132,674	404,012	15,751	20,711	26,545	143,985	228,881	113,155	182,222	32
23,788	18,888	15,941	10,106	7,472	4,736	24,569	11,374	18,091	8,185	33
9,860	3,893	6,265	1,211	1,531	1,328	8,220	3,774	2,998	2,734	34
4,501	3,077	8,895	2,170	2,111	2,740	3,384	4,867	2,701	3,753	35
1,917	3,769	18,757	630	1,261	2,526	4,443	11,120	3,127	6,507	36
5,194	7,462	16,891	418	650	921		6,694		5,101	37
15,673	19,457	48,550	535	938	1,562	66,257	20,217	44,509	14,201	38
61,351	42,831	98,383	17,455	10,417	10,296		45,940		32,517	39
(3)	(3)	2,019	(3)	(3)	575		998		784	40
39,138	16,088	33,857	11,624	5,523	4,834	13,260	13,370	10,126	11,502	41
14,344	16,809	39,527	2,103	1,794	2,116	13,402	14,978	11,939	13,781	42
2,298	6,147	19,308	1,342	3,758	7,062	7,526	13,160	5,874	9,524	43
4,167		4,780	569		1,162		2,693		2,134	44
404,095	280,545	935,625	51,962	42,491	79,875	220,950	376,311	194,796	344,375	45
208,240	146,311	441,963	26,043	17,361	27,162	108,246	163,389	101,271	152,267	46
10,281	9,311	55,745	1,475	1,826	4,659	6,422	19,348	5,640	17,854	47
2,993	2,054	22,479	975	859	3,263	2,119	10,350	1,759	9,029	48
5,435	3,655	21,191	925	582	1,522	3,046	13,793	2,740	13,039	49
6,711	2,178	4,013	2,177	3,321	5,324	1,648	2,004	1,373	1,539	50
9,294	26,011	79,046	1,960	4,492	5,213	23,868	34,852	21,532	32,727	51
81,145	83,897	277,897	2,876	11,309	25,427	69,818	118,176	55,197	105,427	52
79,996	7,128	33,286	15,531	2,741	7,305	5,783	14,399	5,284	12,493	53

No. 1044.—Retail Stores—Summary, by Kind

	KIND OF BUSINESS	NUMBER OF STORES			SALES, ENTIRE YEAR ($1,000)		
		1929	1939	1948	1929	1939	1948
1	**Automotive group**	68,245	60,132	86,162	7,031,177	5,548,687	20,104,054
2	Motor vehicle (new and used) dealers	42,204	33,609	43,999	6,266,580	4,810,245	15,952,781
3	Motor vehicle (used) dealers	3,097	6,980	16,874	140,932	193,790	2,441,377
4	Tire, battery, accessory dealers	22,313	18,525	20,028	599,295	523,685	1,359,596
5	Motorcycle dealers	298	513	1,224	8,035	8,619	53,856
6	Aircraft dealers	114	51	204	5,594	2,358	30,126
7	Boat dealers	219	454	1,037	10,741	9,990	66,265
8	Other automotive dealers	(1)	(2)	2,196	(2)	(2)	200,053
9	Gasoline service stations	121,513	241,858	188,253	1,787,423	2,822,495	6,483,301
10	**Lumber, building, hardware group**	90,386	79,313	98,938	3,845,624	2,734,914	11,151,470
11	Lumber yards	26,377	20,621	20,803	1,981,284	1,193,817	4,286,350
12	Building materials dealers		4,446	5,307		281,642	840,700
13	Paint, glass, wallpaper stores	8,870	8,480	9,843	195,372	152,673	450,993
14	Heating and plumbing equipment dealers	12,709	4,262	7,608	334,277	102,404	555,679
15	Electrical supply stores	4,858	1,858	3,088	110,131	27,669	128,907
16	Hardware stores	25,380	29,147	34,674	709,053	629,276	2,493,669
17	Farm equipment dealers	12,242	10,490	17,615	518,507	344,433	2,396,172
18	**Drug and proprietary stores**	58,258	57,903	55,796	1,690,399	1,562,502	4,013,231
19	Drug stores, with fountain	34,844	39,452	33,429	1,149,260	1,205,241	2,797,225
20	Proprietary stores, with fountain			6,295			249,185
21	Drug stores, other	23,414	18,451	13,526	541,139	357,261	881,238
22	Proprietary stores, other			2,546			85,583
23	Liquor stores	----------	19,136	33,422	----------	536,351	2,579,507
24	**Second-hand stores**	15,065	23,962	16,969	148,068	138,007	304,654
25	Furniture stores	5,643	7,875	6,491	37,749	31,463	74,317
26	Tire, battery, accessory dealers	2,820	6,403	2,365	25,843	39,863	64,052
27	Clothing, shoe stores	2,606	3,558	3,731	12,042	9,766	38,067
28	Book stores	175	588	374	2,372	4,050	5,693
29	Pawnshops	1,509	1,373	1,374	35,537	22,868	53,718
30	Other second-hand stores	2,312	4,165	2,634	34,525	29,997	67,907
31	**Other retail stores**	174,752	172,375	164,073	4,854,191	3,496,437	10,383,218
32	Fuel dealers, except fuel oil	15,444	38,329	14,953	929,829	887,617	1,607,658
33	Ice dealers	3,674		3,192	83,540		84,620
34	Fuel oil dealers	(2)	2,843	4,525	(2)	125,925	732,110
35	Hay, grain, feed stores	21,394	16,772	13,213	990,743	623,977	2,760,333
36	Other farm, garden supply stores	5,740	4,915	3,345	128,422	155,312	356,526
37	Jewelry stores	19,998	14,559	21,269	536,281	361,595	1,224,878
38	Book stores	2,809	2,845	2,905	117,021	73,842	267,682
39	Stationery stores [4]	4,047	5,036	4,033	155,113	118,184	281,442
40	Sporting goods stores	1,930	2,605	6,859	65,405	56,914	309,632
41	Bicycle stores	1,134	941	1,738	12,210	6,837	35,229
42	Florists	9,328	16,055	14,749	176,201	148,741	377,250
43	Cigar stores and stands	33,248	18,504	14,526	410,063	207,781	535,255
44	News dealers, newsstands	10,285	7,407	6,801	149,866	72,427	216,866
45	Gift, novelty, souvenir stores	5,186	7,429	12,516	61,502	53,568	195,664
46	Music stores	2,232	2,930	6,120	54,742	65,127	337,338
47	Luggage, leather goods stores	1,367	759	1,188	40,312	19,345	68,828
48	Optical goods stores	3,001	5,995	1,897	50,000	60,667	73,921
49	Camera, photographic supply stores	710	1,112	3,030	28,810	32,343	202,009
50	Office, store machine and equipment dealers	3,498	3,600	2,347	262,199	149,216	109,607
51	All other retail stores	20,727	19,789	19,867	601,872	277,119	576,371

[1] Data for "Caterers" for 1929 and 1939 included with "Bakery products stores."
[2] Not available.
[3] Not separately classified in 1929 and 1939.
[4] Includes data for two 1939 classifications "Stationery stores" and "Office, store, school supply dealers."

OF BUSINESS: 1929, 1939, AND 1948—Continued

PAYROLL, ENTIRE YEAR ($1,000)			NUMBER OF ACTIVE PROPRIETORS OF UNINCORPORATED BUSINESSES			NUMBER OF PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15				
						Total		Full workweek		
1929	1939	1948	1929	1939	Nov. 1948	1939	1948	1939	1948	
628,317	507,947	1,866,376	64,948	51,238	77,647	400,166	633,553	386,240	604,524	1
537,205	420,588	1,584,430	40,425	29,069	37,290	324,688	519,378	316,323	503,014	2
11,805	14,177	90,401	3,036	6,808	17,782	13,744	32,059	12,215	29,155	3
76,104	70,665	165,647	20,961	14,424	18,018	59,800	72,366	55,962	63,774	4
988	1,023	4,548	292	504	1,235		2,082		1,808	5
1,344	375	4,726	26	22	117	1,934	1,634	1,740	1,517	6
871	1,119	6,126	208	411	956		2,211		1,911	7
(2)	(2)	10,498	(2)	(2)	2,249	(2)	3,823	(2)	3,345	8
159,212	198,934	488,350	100,746	231,475	196,532	246,600	285,954	204,978	226,058	9
468,362	312,160	1,182,354	85,579	65,755	91,213	257,641	475,413	223,020	428,650	10
222,855	143,269	459,947	17,056	10,615	11,693	112,888	170,254	96,363	155,459	11
	34,002	111,629		3,387	4,642	26,069	41,133	21,895	37,335	12
33,268	19,495	56,054	8,570	6,781	8,853	15,465	23,611	13,613	21,044	13
80,323	18,924	115,964	12,959	3,644	7,741	16,258	44,094	13,459	39,443	14
23,539	4,938	18,170	4,895	1,708	3,301	4,043	7,940	3,401	6,902	15
73,272	63,679	244,093	27,692	28,709	36,017	57,998	113,165	52,008	98,311	16
35,105	27,853	176,497	14,407	10,911	18,966	24,920	75,216	22,281	70,156	17
195,742	172,733	468,485	57,415	49,673	51,825	192,296	282,891	158,240	211,988	18
136,915	137,994	343,709	33,034	33,257	30,552	158,674	214,191	131,073	160,276	19
		23,331			6,244		19,244		13,536	20
58,827	34,739	94,930	24,381	16,416	12,675	33,622	45,043	27,167	34,916	21
		6,515			2,354		4,413		3,260	22
----------	30,782	116,303	----------	13,670	29,637	27,065	52,404	23,901	43,939	23
20,163	20,758	39,557	16,099	24,014	17,265	24,132	20,652	19,448	17,266	24
3,959	3,061	5,551	6,042	7,882	6,720	4,285	3,843	3,238	2,942	25
4,685	6,888	8,804	3,145	6,814	2,593	8,616	4,349	7,326	3,752	26
1,109	922	4,240	2,697	3,430	3,489	1,836	3,391	1,265	2,717	27
320	488	617	172	578	383	449	300	373	225	28
4,331	4,357	8,736	1,599	1,252	1,453	3,080	3,237	2,802	2,890	29
5,759	5,042	11,609	2,444	4,058	2,627	5,866	5,532	4,444	4,740	30
565,161	407,609	1,037,262	171,906	154,825	154,950	362,444	469,266	300,387	401,859	31
101,158	109,910	176,130	14,787	34,784	12,674	102,037	73,682	79,460	64,063	32
20,189		19,203	2,942		2,798		9,128		7,569	33
(2)	13,873	69,088	(2)	2,426	3,893	9,847	25,040	8,620	23,289	34
45,745	33,949	129,412	22,523	13,953	15,363	36,368	60,011	30,605	54,300	35
15,294	13,447	27,077	5,818	4,074	3,001	13,104	12,381	10,288	10,902	36
69,560	53,965	178,306	19,982	13,077	20,424	37,609	68,898	34,245	62,054	37
18,283	13,932	47,504	2,451	2,166	2,359	13,038	23,836	11,050	20,880	38
26,817	19,003	46,659	3,671	4,441	3,802	15,257	20,088	13,601	17,603	39
7,066	6,653	28,766	1,917	2,393	7,173	5,348	12,693	4,756	10,765	40
1,332	630	2,733	1,203	937	1,813	796	1,586	632	1,229	41
30,760	22,641	53,497	10,015	16,074	15,840	22,561	30,619	18,898	23,292	42
34,235	14,085	32,689	33,982	16,748	14,098	14,449	16,560	11,739	13,506	43
14,890	6,335	17,632	8,608	6,038	5,914	11,725	15,886	6,624	9,178	44
6,653	5,548	17,005	5,445	7,227	13,109	6,438	13,829	4,836	9,340	45
8,915	11,049	45,380	1,943	2,534	5,864	8,566	19,249	7,682	16,941	46
4,556	2,601	8,406	1,255	606	1,176	2,012	3,721	1,809	3,264	47
10,132	11,919	18,886	2,687	5,412	1,431	7,844	6,287	7,054	5,957	48
4,251	4,086	22,231	653	982	2,875	3,300	9,594	3,069	8,463	49
58,086	29,049	17,085	1,730	2,850	2,382	20,398	7,652	19,395	6,854	50
87,239	34,934	79,573	30,294	18,113	18,961	31,747	38,526	26,024	32,410	51

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. III.

No. 1045.—Retail Trade—Warehouses and Administrative Offices, Summary, by Kind of Business: 1948

[Warehouses and administrative offices operated primarily in connection with retail stores]

Kind of business	Warehouses				Administrative offices and auxiliary units			
	Total	Payroll, entire year	Paid employees, workweek ended nearest Nov. 15		Total	Payroll, entire year	Paid employees, workweek ended nearest Nov. 15	
			Total	Full workweek			Total	Full workweek
	Number	*$1,000*	*Number*	*Number*	*Number*	*$1,000*	*Number*	*Number*
United States	1,080	480,081	133,072	125,197	697	138,081	32,182	31,512
Food group	369	205,642	57,445	54,418	94	26,513	6,096	5,996
Grocery, grocery-meat stores	337	202,421	56,774	53,755	44	16,356	3,517	3,443
Candy, nut, confectionery stores	10	465	101	94	16	1,783	437	437
Dairy products stores, milk dealers	7	812	207	206	14	6,063	1,656	1,646
Bakery products stores					9	1,467	306	300
All other food stores	15	1,944	363	363	11	814	180	170
Eating and drinking places	40	6,668	1,851	1,699	81	14,908	3,435	3,330
General stores	4	987	319	293	5	338	73	73
General merchandise group	117	136,233	35,509	33,658	80	31,982	6,119	6,063
Department stores	43	87,343	24,462	22,860	22	8,099	1,484	1,467
Dry goods, general merchandise stores	28	23,469	5,520	5,438	20	2,226	332	326
Variety stores	46	25,421	5,527	5,351	38	21,657	4,303	4,270
Apparel group	270	68,751	18,983	17,116	191	17,483	4,463	4,245
Men's, boys' clothing, furnishings stores	29	5,909	1,247	1,199	21	1,957	436	410
Family clothing stores	30	4,655	1,177	1,090	24	3,743	1,055	977
Women's ready-to-wear stores	84	27,132	8,139	7,472	48	3,660	1,217	1,151
Millinery stores	17	1,830	462	453	49	3,018	685	657
Other apparel accessory, specialty stores	24	3,235	847	821	10	585	150	142
Shoe stores	81	25,680	7,038	6,008	33	4,386	886	874
All other apparel stores	5	310	73	73	6	154	34	34
Furniture, furnishings, appliance group	49	9,668	2,918	2,761	46	9,024	2,205	2,146
Furniture stores	23	5,616	1,612	1,472	10	3,145	806	785
Other home furnishing stores	13	1,748	601	584	24	2,549	451	450
Household appliance stores	10	1,556	428	428	12	3,330	948	911
Radio stores	3	748	277	277				
Automotive group	26	4,625	1,181	1,130	6	3,615	1,148	1,144
Tire, battery, accessory dealers [1]	26	4,625	1,181	1,130	6	3,615	1,148	1,144
All other automotive dealers								
Gasoline service stations	11	828	227	223	37	5,228	1,210	1,194
Lumber, building, hardware group	23	2,552	681	673	82	12,622	2,358	2,326
Lumber yards, building materials dealers	9	867	237	235	69	11,455	2,042	2,013
Plumbing, paint, electrical stores	8	719	174	174	7	843	239	237
Hardware stores and farm equipment dealers	6	966	270	264	6	324	77	76
Drug and proprietary stores	97	29,517	8,004	8,281	10	4,388	1,120	1,117
Liquor stores	31	3,844	1,547	1,455	7	3,202	1,366	1,356
Other retail stores	43	10,766	3,507	3,490	58	8,778	2,589	2,513
Fuel, fuel oil dealers	1	(2)	(2)	(2)	10	(2)	(2)	(2)
Ice dealers					4	427	137	136
Feed, farm, garden supply stores	5	671	202	194	10	3,313	1,042	1,022
Jewelry stores	7	1,153	250	245	16	2,216	545	541
Book, stationery stores	4	2,188	915	915	3	250	86	66
Florists	2	(2)	(2)	(2)	1	(2)	(2)	(2)
Cigar stores and stands	6	(2)	(2)	(2)	1	(2)	(2)	(2)
News dealers, newsstands	14	2,927	857	853	3	517	224	224
Music stores	1	(2)	(2)	(2)	4	(2)	(2)	(2)
Optical goods stores					3	103	25	25
All other retail stores	3	1,039	482	482	3	127	35	33

[1] Includes data for 2 "All other automotive dealers" administrative offices.
[2] Withheld to avoid disclosure of individual operations.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. III.

No. 1046.—Retail Stores—Number and Sales, by Kind of Business, for Single and Multiunits and Selected Types of Operation: 1948

Kind of business	Stores: Total	Stores: Single units	Stores: 2 or 3 store multi-units	Stores: 4 or more store multi-units	Sales, entire year: Total	Sales, entire year: Single units	Sales, entire year: 2 or 3 store multi-units	Sales, entire year: 4 or more store multi-units
	Number	*Number*	*Number*	*Number*	*$1,000*	*$1,000*	*$1,000*	*$1,000*
United States, total	1,769,540	1,606,885	57,547	105,108	130,520,548	91,829,227	8,954,751	29,736,570
Food group	504,439	462,026	9,839	32,574	30,965,674	19,228,648	1,244,263	10,492,763
Eating and drinking places	346,556	333,619	6,804	6,133	10,683,324	9,510,388	431,096	741,840
General merchandise group, general stores	74,101	57,122	3,570	13,409	17,134,718	6,650,571	1,554,330	8,929,817
Apparel group	115,246	91,596	9,135	14,515	9,803,218	5,954,132	1,120,487	2,728,599
Furniture, furnishings, appliance group	85,585	74,469	5,085	6,031	6,914,179	5,140,919	745,859	1,027,401
Automotive group	86,162	78,506	3,973	3,683	20,104,054	17,922,669	1,440,404	740,981
Gasoline service stations	183,253	179,917	2,891	5,445	6,483,301	5,806,236	206,691	470,374
Lumber, building, hardware group	98,938	86,182	4,805	7,951	11,151,470	8,690,600	902,565	1,558,305
Drug and proprietary stores	55,796	49,744	2,337	3,715	4,013,231	2,900,271	244,357	868,603
Other retail stores	214,464	193,704	9,108	11,652	13,267,379	10,024,793	1,064,699	2,177,887

Kind of business	Consumer cooperatives: Stores	Consumer cooperatives: Sales, entire year	Farm cooperative stores: Stores	Farm cooperative stores: Sales, entire year	Mail order houses: Establishments	Mail order houses: Sales, entire year	Direct selling (house to house) organizations: Establishments	Direct selling (house to house) organizations: Sales, entire year
	Number	*$1,000*	*Number*	*$1,000*	*Number*	*$1,000*	*Number*	*$1,000*
United States, total	728	108,529	3,670	958,312	880	1,485,352	3,451	634,763
Food group	402	48,629	384	91,234	54	5,602	414	112,806
Eating and drinking places	41	6,122	42	1,740	-------	-------	-------	-------
General merchandise group, general stores	46	10,278	148	26,723	60	1,300,867	313	33,290
Apparel group	9	1,433	-------	-------	106	47,287	264	33,186
Furniture, furnishings, appliance group	18	729	14	1,295	50	11,138	1,355	304,852
Automotive group	12	6,243	16	1,481	10	2,236	-------	-------
Gasoline service stations	97	11,501	723	96,440	-------	-------	-------	-------
Lumber, building, hardware group	18	5,690	243	38,724	18	6,024	-------	-------
Drug and proprietary stores	11	921	-------	-------	23	925	9	58
Other retail stores	74	16,933	2,100	700,675	559	111,273	1,096	150,571

Source: Dept. of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vols. I and II, and records.

No. 1047.—Retail Stores—Number, Sales, Payroll and Personnel, by Number of Employees: 1948

Number of employees per store [1]	Stores: Number	Stores: Percent	Sales, entire year: Amount ($1,000)	Sales, entire year: Percent	Payroll, entire year: Amount ($1,000)	Payroll, entire year: Percent	Unincorporated businesses: Active proprietors, November: Number	Unincorporated businesses: Active proprietors, November: Percent	Unincorporated businesses: Unpaid family workers, November: Number	Unincorporated businesses: Unpaid family workers, November: Percent	Paid employees workweek ended nearest Nov. 15: Number	Paid employees workweek ended nearest Nov. 15: Percent
Total, all stores	1,769,540	100.0	130,520,548	100.0	13,567,997	100.0	1,742,046	100.0	930,546	100.0	6,918,061	100.0
No paid employees	669,317	37.8	11,141,704	8.5	75,891	.6	736,341	42.3	512,697	55.1	-------	-------
1 paid employee	289,170	16.3	9,020,653	6.9	413,686	3.0	303,959	17.4	148,917	16.0	289,170	4.2
2 paid employees	217,597	12.3	9,810,800	7.5	683,980	5.0	219,111	12.6	94,310	10.1	435,194	6.3
3 paid employees	149,109	8.4	8,926,538	6.8	749,728	5.5	142,566	8.2	57,052	6.1	447,327	6.5
4 or 5 paid employees	170,213	9.6	13,720,554	10.5	1,326,290	9.8	154,750	8.9	58,097	6.3	754,408	10.9
6 or 7 paid employees	92,956	5.3	10,305,105	7.9	1,104,393	8.1	78,930	4.5	27,993	3.0	597,317	8.6
8 or 9 paid employees	46,163	2.6	6,856,456	5.3	772,703	5.7	34,034	2.0	11,129	1.2	389,282	5.6
10 to 19 paid employees	84,456	4.8	19,008,835	14.6	2,303,131	17.0	54,817	3.1	16,226	1.8	1,117,606	16.2
20 to 49 paid employees	38,880	2.2	18,798,875	14.4	2,479,947	18.3	15,649	.9	3,725	.4	1,130,366	16.3
50 to 99 paid employees	8,005	.5	7,847,605	6.0	1,177,676	8.7	1,556	.1	334	(2)	536,272	7.8
100 or more paid employees	3,674	.2	15,083,423	11.6	2,480,572	18.3	333	(2)	66	(2)	1,221,119	17.6

[1] Based on number of paid employees for workweek ended nearest Nov. 15, 1948.
[2] Less than 0.05 percent.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. I.

No. 1048.—Retail Stores—Summary

Division and state	Number of stores			Sales, entire year ($1,000)			Active proprietors[1] (number)	
	1929	1939	1948	1929	1939	1948	1939	Nov. 1948
United States	1,476,365	1,770,355	1,769,540	48,329,652	42,041,790	130,520,548	1,613,673	1,742,046
New England	104,618	121,888	115,219	3,732,087	3,318,214	8,557,443	101,716	99,626
Maine	10,453	13,455	11,843	300,010	281,356	755,651	11,821	10,782
New Hampshire	6,181	7,435	7,541	180,248	183,100	470,742	6,600	6,938
Vermont	4,831	5,423	5,075	148,281	123,369	337,804	4,942	4,567
Massachusetts	52,661	59,217	53,902	2,031,839	1,737,680	4,302,147	47,538	42,608
Rhode Island	9,155	10,485	10,371	313,978	275,447	716,064	9,100	9,687
Connecticut	21,337	25,873	26,487	757,731	717,262	1,975,035	21,715	25,044
Middle Atlantic	372,026	412,819	395,268	12,527,976	10,291,937	28,175,162	376,068	389,727
New York	183,615	209,425	196,282	6,968,931	5,678,159	14,626,526	191,259	190,077
New Jersey	57,780	68,851	69,090	1,811,257	1,580,401	4,479,205	59,277	67,487
Pennsylvania	130,631	134,543	129,896	3,747,788	3,133,377	9,069,431	125,532	131,263
East North Central	304,986	364,508	350,319	11,113,186	9,251,114	28,901,766	332,029	351,815
Ohio	80,155	93,041	86,971	2,829,354	2,441,293	7,373,173	82,712	83,610
Indiana	39,402	47,317	44,754	1,200,458	1,066,383	3,532,337	44,003	45,309
Illinois	93,432	109,132	103,405	3,658,560	2,857,646	8,805,257	100,099	105,363
Michigan	53,952	67,414	68,689	2,202,405	1,820,798	5,950,278	61,129	71,579
Wisconsin	38,045	47,604	46,500	1,222,409	1,064,994	3,240,721	44,086	45,954
West North Central	161,393	197,909	179,246	5,178,845	4,138,883	13,268,206	185,927	179,339
Minnesota	29,206	40,448	35,241	1,036,012	1,017,195	2,905,062	38,932	34,965
Iowa	30,933	39,024	33,725	956,008	822,905	2,556,224	37,111	34,412
Missouri	44,586	53,196	50,616	1,422,449	1,102,503	3,568,337	49,328	50,014
North Dakota	7,611	8,549	8,201	230,602	156,137	608,182	7,818	8,279
South Dakota	8,330	9,817	8,993	249,935	160,306	622,192	8,954	8,616
Nebraska	16,682	19,330	16,873	553,611	397,196	1,317,813	18,004	17,135
Kansas	24,045	27,545	25,597	730,228	473,551	1,689,396	25,780	25,918
South Atlantic	162,295	199,371	222,848	4,138,337	4,368,947	14,772,800	174,561	211,034
Delaware	3,527	4,544	4,433	101,861	110,052	382,305	4,001	4,155
Maryland	20,371	25,566	25,037	610,967	619,273	1,914,689	23,774	25,240
District of Columbia	5,815	6,893	7,094	332,393	402,768	1,111,643	5,498	6,437
Virginia	25,036	29,610	32,124	591,763	628,172	2,227,407	25,389	30,073
West Virginia	16,501	18,928	21,265	441,072	403,989	1,287,983	16,202	19,527
North Carolina	27,660	33,326	40,880	642,550	633,240	2,248,660	29,890	38,994
South Carolina	14,452	18,520	20,970	296,674	332,224	1,148,179	15,759	19,190
Georgia	27,640	32,870	35,655	627,171	624,765	2,111,539	28,797	33,362
Florida	21,293	28,614	35,390	493,886	614,464	2,340,395	25,251	34,056
East South Central	85,315	101,065	112,879	2,137,499	1,845,037	6,417,719	93,025	111,053
Kentucky	25,927	30,919	29,890	577,929	520,135	1,682,087	28,970	29,986
Tennessee	22,368	28,198	32,692	632,612	606,489	2,088,439	25,980	32,390
Alabama	20,456	23,916	28,756	518,972	435,073	1,638,859	21,715	27,976
Mississippi	16,564	18,032	21,541	407,986	282,440	1,008,334	16,360	20,701
West South Central	128,542	159,768	169,520	3,654,572	3,101,358	10,923,488	148,785	165,469
Arkansas	17,167	20,328	22,243	406,206	298,301	1,083,262	19,071	22,517
Louisiana	22,559	25,469	29,679	469,755	486,250	1,681,334	22,845	28,312
Oklahoma	25,984	28,722	26,924	781,121	513,091	1,640,015	27,221	27,046
Texas	62,832	85,249	90,674	1,997,490	1,803,716	6,518,877	79,648	87,594
Mountain	42,022	57,459	59,861	1,515,313	1,427,541	4,665,554	53,112	60,561
Montana	6,521	8,481	8,108	238,293	222,008	602,628	7,867	8,304
Idaho	4,624	6,804	7,323	165,352	175,873	581,844	6,223	7,128
Wyoming	2,837	4,113	3,869	101,457	100,233	309,199	3,863	4,037
Colorado	13,139	16,785	15,426	457,413	409,103	1,257,095	15,770	16,010
New Mexico	3,941	6,617	7,842	116,833	125,765	477,553	6,139	7,934
Arizona	4,766	6,242	8,043	193,818	162,003	657,557	5,726	7,984
Utah	4,964	6,372	6,840	193,286	170,728	578,767	5,520	6,682
Nevada	1,230	2,045	2,410	48,861	61,828	200,916	2,004	2,482
Pacific	115,168	155,568	164,380	4,331,837	4,298,759	14,838,410	148,450	173,422
Washington	20,836	26,682	25,731	745,891	668,790	2,221,306	24,798	25,819
Oregon	13,544	16,468	17,558	443,303	442,160	1,597,300	15,757	19,678
California	80,788	112,428	121,111	3,142,643	3,187,809	11,019,804	107,895	127,925

[1] Of unincorporated businesses.

BY STATES: 1929, 1939, AND 1948

UNPAID FAMILY WORKERS, [1] (number)		PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15				PAYROLL, ENTIRE YEAR ($1,000)			DIVISION AND STATE
		Total (number)		Full workweek (number)					
1939	Nov. 1948	1939	1948	1939	1948	1929	1939	1948	
923,878	930,546	4,821,806	6,918,061	3,870,195	5,603,398	5,044,128	4,529,499	13,567,997	U. S.
46,589	46,086	372,799	474,335	296,923	375,391	411,822	377,957	921,493	N. E.
5,567	5,566	28,093	38,025	22,945	30,626	26,895	26,079	66,500	Maine.
3,007	3,514	18,198	24,178	14,851	19,128	16,215	17,322	43,575	N. H.
2,259	2,092	12,174	16,065	9,854	13,070	12,210	10,707	28,516	Vt.
20,632	19,600	210,116	258,057	164,550	202,902	236,296	212,966	498,926	Mass.
4,318	4,777	31,174	39,448	24,322	31,283	35,203	30,978	73,398	R. I.
10,806	10,537	73,044	98,562	60,401	78,382	85,003	70,905	210,578	Conn.
224,795	196,084	1,113,886	1,475,414	917,991	1,206,371	1,362,975	1,170,430	3,064,036	M. A.
106,507	85,998	587,180	752,941	495,744	624,585	773,333	660,093	1,664,257	N. Y.
37,366	35,323	158,377	208,758	128,421	169,359	187,695	171,619	453,177	N. J.
80,922	74,763	368,329	513,715	293,826	412,427	402,007	338,718	946,602	Pa.
192,209	181,351	1,085,879	1,549,997	854,247	1,201,486	1,217,620	1,028,315	3,098,088	E. N. C.
49,139	44,541	282,963	406,055	224,852	321,080	310,955	271,073	807,165	Ohio.
23,643	21,754	129,757	192,403	101,990	151,153	122,122	110,895	300,752	Ind.
54,353	53,046	353,486	474,493	278,844	365,687	428,553	339,072	979,688	Ill.
36,708	34,470	208,645	305,580	165,837	239,842	237,340	204,026	640,904	Mich.
27,866	27,540	111,028	170,866	82,724	122,824	118,650	103,249	309,579	Wis.
99,675	91,444	479,424	690,177	376,166	547,978	482,899	401,238	1,246,506	W. N. C.
20,372	17,573	109,539	154,414	86,635	119,011	101,246	104,204	291,912	Minn.
16,958	16,266	92,137	126,954	70,383	99,781	83,502	72,514	224,824	Iowa.
28,315	27,013	139,851	200,211	112,055	162,891	148,283	119,237	365,886	Mo.
4,307	3,993	16,025	27,290	12,675	21,718	17,487	12,960	48,946	N. Dak.
4,870	5,066	17,798	29,520	13,849	22,782	19,822	13,592	49,604	S. Dak.
10,658	8,112	45,818	64,595	35,623	51,418	48,188	36,221	113,462	Nebr.
14,195	13,421	58,256	87,193	44,946	70,377	64,371	42,510	161,872	Kans.
104,071	125,676	551,696	839,638	443,203	699,241	407,206	447,647	1,478,717	S. A.
2,460	2,274	11,499	16,572	9,367	14,102	9,551	11,168	33,990	Del.
14,069	13,268	75,468	109,791	61,227	91,306	62,764	66,079	203,680	Md.
2,838	2,461	50,838	69,943	43,365	59,246	43,306	56,007	148,875	D. C.
14,687	16,842	79,147	124,313	64,443	103,830	59,659	63,867	214,095	Va.
10,694	13,610	44,942	68,265	36,075	57,414	40,968	38,263	118,075	W. Va.
15,464	24,698	85,147	131,948	63,691	105,361	56,123	60,052	212,626	N. C.
9,203	12,149	43,997	64,523	33,113	50,490	25,316	29,093	98,596	S. C.
17,124	20,010	83,346	122,818	67,229	102,308	58,792	58,874	202,198	Ga.
16,532	20,364	77,312	131,465	64,093	115,184	50,727	64,244	246,582	Fla.
61,448	74,093	224,191	352,941	179,940	290,426	187,323	162,575	558,992	E. S. C.
20,982	19,409	57,636	86,988	46,042	70,903	51,667	46,090	147,953	Ky.
15,841	20,212	76,897	118,800	61,765	98,961	59,144	55,924	190,591	Tenn.
14,436	19,484	54,774	91,842	44,551	75,198	46,791	37,826	139,586	Ala.
10,189	14,988	34,884	55,311	27,582	45,364	29,721	22,735	80,862	Miss.
92,331	107,669	387,347	589,937	319,812	501,060	336,029	293,418	1,011,096	W. S. C.
12,268	14,879	35,560	54,451	28,016	45,516	31,986	23,775	85,176	Ark.
15,887	19,075	66,893	97,939	58,223	85,630	47,698	49,000	162,387	La.
18,079	16,683	62,774	88,224	50,302	73,234	71,931	48,953	151,803	Okla.
46,097	56,132	222,120	349,323	183,271	296,680	184,414	171,690	611,730	Tex.
29,740	33,261	151,609	234,378	121,808	192,425	150,639	145,205	468,530	Mt.
3,542	3,387	20,714	28,696	16,530	23,282	22,493	21,505	57,059	Mont.
3,763	3,951	17,499	26,087	13,668	21,657	14,889	16,189	54,487	Idaho.
1,906	2,164	9,019	14,200	7,397	11,823	9,429	9,346	28,965	Wyo.
8,240	7,862	46,616	67,415	38,314	54,979	49,100	43,503	130,759	Colo.
4,388	5,709	13,813	24,293	11,341	20,693	9,935	11,596	43,338	N. Mex.
3,744	5,431	17,524	32,659	14,144	27,766	18,938	17,119	70,152	Ariz.
3,136	3,570	20,397	31,874	15,672	24,467	20,968	18,743	61,199	Utah.
1,021	1,187	6,027	9,154	4,742	7,758	4,897	7,204	22,571	Nev.
73,020	74,882	454,975	711,244	360,105	594,020	487,615	592,714	1,720,539	Pac.
12,199	12,810	69,771	105,688	52,614	84,833	80,639	75,405	247,652	Wash.
8,192	8,201	43,909	71,341	34,295	60,637	46,167	44,154	156,755	Oreg.
52,629	53,871	341,295	534,215	273,196	448,550	360,809	383,155	1,316,132	Calif.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. III.

No. 1049.—Retail Stores—Number and Sales, for Specified Metropolitan Areas: 1948

[Listed in order of 1948 sales volume. For definition of metropolitan areas, see table 14]

METROPOLITAN AREA	Sales, entire year ($1,000)	Stores (number)	Per capita sales [1] (dollars)
United States, total	130,520,548	1,769,540	867
Total, 147 areas	80,898,778	932,124	987
Percent of United States total	62.0	52.7	
New York-Northeastern New Jersey area	12,652,074	171,105	986
Chicago (Ill.) area	5,989,723	62,030	1,094
Los Angeles (Calif.) area	4,721,241	49,133	1,088
Philadelphia (Pa.) area	3,345,506	45,508	914
Detroit (Mich.) area	3,014,275	28,189	1,014
San Francisco-Oakland (Calif.) area	2,366,588	25,069	1,069
Boston (Mass.) area	2,261,260	24,417	960
Pittsburgh (Pa.) area	1,985,201	23,341	900
St. Louis (Mo.) area	1,567,107	19,843	936
Cleveland (Ohio) area	1,523,834	15,630	1,048
Washington (D. C.) area	1,485,845	10,171	1,019
Minneapolis-St. Paul (Minn.) area	1,263,527	10,227	1,141
Baltimore (Md.) area	1,227,103	15,342	929
Buffalo (N. Y.) area	1,027,228	14,252	946
Kansas City (Mo.) area	990,626	8,962	1,226
Milwaukee (Wis.) area	926,279	9,792	1,072
Cincinnati (Ohio) area	879,847	10,114	980
Houston (Tex.) area	818,603	8,018	1,021
Portland (Oreg.) area	772,318	7,382	1,101
Seattle (Wash.) area	753,744	7,862	1,038
Dallas (Tex.) area	704,804	5,986	1,154
Atlanta (Ga.) area	675,307	5,792	1,017
Providence (R. I.) area	671,380	9,390	916
Indianapolis (Ind.) area	627,565	5,294	1,143
Denver (Colo.) area	594,701	5,422	1,061
Miami (Fla.) area	581,134	6,799	1,189
Albany-Schenectady-Troy (N. Y.) area	562,302	6,763	1,007
New Orleans (La.) area	553,211	7,750	812
Louisville (Ky.) area	517,109	5,727	900
San Diego (Calif.) area	507,440	5,711	947
Columbus (Ohio) area	506,564	4,700	1,009
Rochester (N. Y.) area	491,277	5,472	1,013
Memphis (Tenn.) area	485,432	4,153	1,011
Youngstown (*Ohio*) area	468,623	5,383	890
Dayton (Ohio) area	446,616	3,962	986
Toledo (Ohio) area	442,946	4,170	1,128
Birmingham (Ala.) area	441,752	5,157	797
Akron (*Ohio*) area	403,116	3,884	988
Fort Worth (Tex.) area	402,391	3,873	1,120
Allentown-Bethlehem-Easton (Pa.) area	401,807	5,972	924
Hartford (Conn.) area	396,377	3,924	1,113
San Antonio (Tex.) area	392,717	5,038	792
Springfield-Holyoke (Mass.) area	389,191	4,780	957
Omaha (Nebr.) area	383,009	3,630	1,057
Tampa-*St. Petersburg* (Fla.) area	364,475	5,193	897
Syracuse (N. Y.) area	353,617	3,787	1,037
Norfolk-Portsmouth (Va.) area	347,279	4,216	848
Richmond (Va.) area	339,794	3,153	1,040
Oklahoma City (Okla.) area	317,913	3,539	986
Phoenix (Ariz.) area	311,336	3,472	946
Wilkes-Barre-Hazleton (Pa.) area	305,435	6,350	781
Sacramento (Calif.) area	297,303	2,921	1,079
Grand Rapids (Mich.) area	296,140	3,051	1,032
Fresno (Calif.) area	285,519	3,218	1,041
San Jose (Calif.) area	279,967	2,340	969
Nashville (Tenn.) area	278,083	3,032	868
Wilmington (Del.) area	276,834	3,382	1,036
Jacksonville (Fla.) area	272,034	3,153	899
Wheeling (W. Va.)-Steubenville (Ohio) area	268,024	4,193	759
Canton (Ohio) area	268,010	3,054	950
Des Moines (Iowa) area	267,871	2,337	1,191
Salt Lake City (Utah) area	267,573	2,433	976
Bridgeport (Conn.) area	266,455	3,318	1,031
Harrisburg (Pa.) area	265,132	3,650	911
Worcester (Mass.) area	265,030	3,058	967
New Haven (Conn.) area	262,070	3,833	1,000
Charleston (W. Va.) area	259,302	3,286	812
Utica-Rome (N. Y.) area	258,150	4,078	910
Tulsa (Okla.) area	254,405	2,677	1,023
Knoxville (Tenn.) area	250,505	3,012	746
Davenport (Iowa)-Rock Island-Moline (Ill.) area	246,739	2,632	1,059
Flint (Mich.) area	246,724	2,794	914
San Bernardino (Calif.) area	246,338	3,581	879
Trenton (N. J.) area	242,269	3,194	1,056
Peoria (Ill.) area	242,133	2,613	969
Duluth (Minn.)-Superior (Wis.) area	238,859	3,281	949
Reading (Pa.) area	230,547	3,741	904
Wichita (Kans.) area	225,074	2,414	1,022
Spokane (Wash.) area	223,147	2,173	1,014
Tacoma (Wash.) area	218,285	2,612	791
South Bend (Ind.) area	217,908	2,164	1,004
Stamford-Norwalk (Conn.) area	217,066	2,574	1,117
Lancaster (Pa.) area	215,371	2,872	920
Erie (Pa.) area	215,241	2,527	986
Johnstown (Pa.) area	210,329	3,080	724
Scranton (Pa.) area	205,268	3,811	801
Stockton (Calif.) area	202,242	2,260	1,009
Chattanooga (Tenn.) area	197,849	2,717	806
Beaumont-Port Arthur (Tex.) area	193,671	2,447	998
Fort Wayne (Ind.) area	193,390	1,774	1,057
Lansing (Mich.) area	184,141	1,582	1,068
Charlotte (N. C.) area	183,964	1,642	938
Binghamton (N. Y.) area	181,878	2,017	985
Greensboro-High Point (N. C.) area	177,448	1,810	933
Huntington (W. Va.)-Ashland (Ky.) area	174,853	2,028	712
Little Rock (Ark.) area	174,746	2,311	906
Atlantic City (N. J.) area	173,260	2,986	1,304
Madison (Wis.) area	172,953	1,860	1,026
York (Pa.) area	172,775	2,689	853
Shreveport (La.) area	170,289	1,743	975
Mobile (Ala.) area	169,797	2,227	742
Rockford (Ill.) area	163,760	1,673	1,078
El Paso (Tex.) area	159,834	1,941	808
Evansville (Ind.) area	149,941	1,636	947
Springfield (Ill.) area	143,875	1,555	1,101

[1] Per capita sales is ratio of 1948 sales to advance 1950 population estimates.

No. 1049.—Retail Stores—Number and Sales, for Specified Metropolitan Areas: 1948—Continued

Metropolitan area	Sales, entire year ($1,000)	Stores (number)	Per capita sales [1] (dollars)	Metropolitan area	Sales, entire year ($1,000)	Stores (number)	Per capita sales [1] (dollars)
Corpus Christi (Tex.) area	141,350	1,819	859	Brockton (Mass.) area	115,163	1,530	891
Waterbury (Conn.) area	141,237	2,021	914	Racine (Wis.) area	114,884	1,460	1,053
Austin (Tex.) area	138,692	1,539	865	Waco (Tex.) area	114,536	1,659	891
Baton Rouge (La.) area	134,751	1,587	861	Charleston (S. C.) area	113,208	1,834	708
Portland (Maine) area	134,179	1,356	1,127	Altoona (Pa.) area	113,101	1,628	814
Hamilton-Middletown (Ohio) area	132,802	1,542	905	Jackson (Miss.) area	112,765	1,273	797
Saginaw (Mich.) area	132,435	1,522	866	Montgomery (Ala.) area	109,527	1,261	796
Roanoke (Va.) area	130,719	1,251	984	Augusta (Ga.) area	106,896	1,760	659
New Britain-Bristol (Conn.) area	127,720	1,862	873	Columbus (Ga.) area	106,607	1,644	627
Sioux City (Iowa) area	125,931	1,293	1,211	Springfield (Ohio) area	105,634	1,168	952
Lincoln (Nebr.) area	124,734	1,091	1,055	Decatur (Ill.) area	105,627	1,064	1,053
Kalamazoo (Mich.) area	122,824	1,249	975	Terre Haute (Ind.) area	104,944	1,376	1,000
Savannah (Ga.) area	120,765	2,030	800	Lowell (Mass.) area	104,640	1,464	788
Columbia (S. C.) area	120,446	1,471	849	Raleigh (N. C.) area	104,098	1,382	766
New Bedford (Mass.) area	120,216	1,884	875	Springfield (Mo.) area	99,815	1,381	959
Cedar Rapids (Iowa) area	118,353	1,097	1,141	Topeka (Kans.) area	99,627	1,196	954
Fall River (Mass.) area	117,211	1,813	856	Macon (Ga.) area	97,230	1,313	723
Muskegon (Mich.) area	116,628	1,382	966	Winston-Salem (N. C.) area	97,003	1,319	669
Galveston (Tex.) area	116,620	1,524	1,039	Asheville (N. C.) area	91,799	1,261	749
Lawrence (Mass.) area	115,662	1,769	921	Durham (N. C.) area	90,125	995	896
				St. Joseph (Mo.) area	89,708	1,186	959
				Manchester (N. H.) area	89,497	1,052	1,015

[1] Per capita sales is ratio of 1948 sales to advance 1950 population estimates.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. III.

No. 1050.—Retail Stores—Number and Sales, by Size of Store: 1929, 1939, and 1948

Annual sales group and year	Stores		Sales	
	Number	Percent	Amount ($1,000)	Percent
$300,000 or more: 1929	15,029	1.0	12,323,766	25.5
1939	12,630	.7	9,855,631	23.4
1948	67,615	3.8	54,674,754	41.9
$100,000 to $299,999: 1929	62,009	4.2	9,786,669	20.2
1939	50,097	2.8	7,955,285	18.9
1948	194,829	11.0	31,871,978	24.4
$50,000 to $99,999: 1929	127,148	8.6	8,631,797	17.9
1939	93,318	5.3	6,394,703	15.2
1948	298,555	16.9	20,854,524	16.0
$30,000 to $49,999: 1929	173,269	11.7	6,617,169	13.7
1939	133,221	7.5	5,077,007	12.1
1948	296,899	16.8	11,491,605	8.8
$10,000 to $29,999: 1929	468,885	31.8	8,349,491	17.3
1939	522,117	29.5	8,938,632	21.3
1948	519,258	29.3	9,826,110	7.5
Less than $10,000: 1929	630,025	42.7	2,620,760	5.4
1939	958,972	54.2	3,820,532	9.1
1948	392,384	22.2	1,801,577	1.4

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. I.

No. 1051.—Wholesale Trade—Sales and Stocks: 1939 to 1953

[In millions of dollars]

Year	All establishments		Nondurable goods establishments		Durable goods establishments		Merchant wholesalers' sales
	Sales	Stocks end of period	Sales	Stocks end of period	Sales	Stocks end of period	
1939	26,244	3,075	19,972	2,104	6,272	971	22,550
1940	28,919	3,255	21,408	2,187	7,511	1,068	24,914
1941	36,394	4,073	26,218	2,737	10,176	1,336	31,140
1942	41,109	3,830	31,537	2,762	9,572	1,068	34,359
1943	45,966	3,759	36,518	2,722	9,448	1,037	37,743
1944	49,828	3,969	39,692	2,856	10,136	1,113	40,818
1945	53,708	4,625	42,827	3,161	10,881	1,464	44,082
1946	71,915	6,606	54,339	4,082	17,576	2,524	60,708
1947	87,263	7,613	62,835	4,519	24,428	3,094	73,279
1948	95,172	7,982	67,741	4,419	27,431	3,563	79,815
1949	88,252	7,913	63,557	4,382	24,695	3,531	73,882
1950	103,896	10,474	69,700	5,616	34,196	4,858	88,602
1951	113,108	11,068	75,542	5,517	37,626	5,551	95,540
1952	112,325	11,310	76,351	5,769	35,974	5,541	94,783
1953	111,936	11,697	74,795	6,019	37,141	5,678	95,257

Source: Department of Commerce, Office of Business Economics; published currently in *Survey of Current Business*.

No. 1052.—Estimated Membership and Business of Consumers' Cooperatives, by Type of Association: 1950

Type of association	Total number of associations	Number of members (1,000)	Amount of business ($1,000)
Local associations			
Retail distributive	3,235	2,642	1,253,500
Stores and buying clubs	1,800	1,575	835,000
Petroleum associations	1,350	1,025	400,000
Other [1]	85	42	18,500
Service	779	344	41,281
Rooms and/or meals	175	19	7,875
Housing	175	25	[2] 10,720
Medical and/or hospital care:			
On contract	25	35	800
Own facilities	65	127	12,600
Burial: [3]			
Complete funeral	28	28	500
Caskets only	3	1	9
Burial on *contract*	8	5	77
Cold storage [4]	165	85	6,350
Other [5]	135	18	2,350
Electric light and power [6]	906	[7] 3,250	219,000
Telephone (mutual and co-op.)	33,000	675	10,000
Credit unions [8]	10,580	4,609	995,960
Insurance associations	2,000	[9] 11,750	[10] 210,250
Federations [11]		Member associations	
Wholesale:			
Interregional	2	77	[12] 10,532
Regional	30	4,992	[12] 439,250
District	20	280	[12] 7,060
Service	18	1,135	2,299
Productive	15	402	82,308
Electric light and power [6]	15	109	11,900

[1] Such as consumers' dairies, creameries, bakeries, fuel yards, lumber yards, etc. [2] Gross income.
[3] Local associations only; excludes associations of federated type (included with service federations) and funeral departments of store associations. [4] Excludes cold-storage departments of other types of associations.
[5] Such as water supply, cleaning and dyeing, recreation, printing and publishing, nursery schools, etc.
[6] Data furnished by Rural Electrification Administration. [7] Number of patrons.
[8] Actual figures, *not* estimates. Includes data on credit unions in Puerto Rico.
[9] Number of policyholders. [10] Premium income. [11] Includes an allowance for nonreporting associations.
[12] Includes wholesale distributive, retail distributive, and service business.

Source: Department of Labor, Bureau of Labor Statistics; published in *Monthly Labor Review*.

No. 1053.—Wholesale Administrative Offices and Auxiliary Units—Summary, by Type of Operation and Kind of Business: 1948

Type of operation and kind of business	Establishments	Sales, entire year	Payroll, entire year	Paid employees and payroll, workweek ended nearest Nov. 15		Stocks on hand, end of year, at cost
				Employees	Payroll	
	Number	*$1,000*	*$1,000*	*Number*	*Dollars*	*$1,000*
United States, total	1,339	1,791,497	319,893	80,644	6,272,228	162,425
Merchant wholesalers, total	275	49,174	44,842	11,623	838,245	69,800
Groceries, confectionery, meats	22	6,383	3,232	654	47,643	443
Farm products (edible)	21	4,726	4,349	1,137	85,780	269
Beer, wines, distilled spirits	7	4	1,531	475	28,972	4,879
Drugs, chemicals, allied products	20	947	1,987	360	37,096	393
Tobacco and products (exc. leaf)	3	----------	1,271	315	26,192	2,733
Dry goods, apparel	28	1,323	5,703	1,493	112,817	6,230
Furniture, home furnishings	7	22,033	232	36	3,443	----------
Paper and its products	8	181	2,879	1,284	56,676	1,025
Farm products (raw materials)	35	1,108	4,175	1,074	71,906	5,531
Automotive	10	1,589	1,727	471	34,926	581
Electrical goods	9	729	2,949	709	58,817	531
Hardware, plumbing, heating	5	----------	691	135	13,052	----------
Lumber, construction materials	24	1,417	3,012	754	57,540	2,292
Machinery, equipment, supplies	31	2,238	3,078	733	53,617	41,236
Metals, metal work (exc. scrap)	9	1,045	449	80	10,426	331
Waste materials	3	1,314	80	29	1,843	145
Other merchant wholesalers	33	4,137	7,497	1,884	137,499	3,181
Manufacturers' sales branches (with stocks), total	283	75,654	51,501	12,788	993,809	60,263
Groceries, confectionery, meats	17	20,312	5,250	1,207	109,213	1,708
Farm products (edible)	5	6,195	1,542	349	28,805	41
Drugs, chemicals, allied products	6	1,331	593	155	10,851	5,122
Tobacco and products (exc. leaf)	22	----------	663	222	13,009	1,178
Dry goods, apparel	8	----------	667	232	15,343	1,664
Furniture, home furnishings	1	(1)	(1)	(1)	(1)	(1)
Paper and its products	1	(1)	(1)	(1)	(1)	(1)
Automotive equipment, tires and tubes	34	31,757	6,110	2,158	119,107	23,955
Electrical goods	14	11,780	10,477	2,616	198,541	7,156
Lumber, construction materials	7	----------	265	76	4,879	----------
Machinery, equipment, supplies	138	1,632	19,172	4,373	361,265	18,891
Metals, metal work (exc. scrap)	1	(1)	(1)	(1)	(1)	(1)
Other manufacturers' sales branches	29	1,947	5,808	1,174	114,768	460
Manufacturers' sales offices (without stocks), total	116	44,147	17,238	4,568	343,691	13,275
Groceries, confectionery, meats	7	----------	421	127	9,347	967
Farm products (edible)	10	3,858	3,022	868	57,395	42
Beer, wines, distilled spirits	24	----------	1,475	363	20,397	----------
Drugs, chemicals, allied products	19	1,502	888	288	17,128	257
Dry goods, apparel	8	2,526	563	117	9,612	248
Furniture, home furnishings	6	3,789	1,821	496	36,235	1,468
Paper and its products	1	(1)	(1)	(1)	(1)	(1)
Automotive equipment, tires and tubes	9	24,251	1,981	586	35,746	5,558
Electrical goods	6	1,808	1,463	474	37,081	3,290
Lumber, construction materials	4	(1)	(1)	(1)	(1)	(1)
Machinery, equipment, supplies	9	560	1,639	344	35,292	591
Metals, metal work (exc. scrap)	1	(1)	(1)	(1)	(1)	(1)
Other manufacturers' sales offices	12	5,853	2,962	721	58,378	798
Petroleum bulk stations	607	1,586,628	193,214	48,377	3,854,890	15,646
Agents, brokers, total	16	9,116	6,592	1,608	126,603	2,714
Farm products (edible)	6	6,698	3,503	889	70,942	----------
Dry goods, apparel	5	(1)	(1)	(1)	(1)	(1)
Farm products (raw materials)	3	1,275	97	31	1,769	13
Electrical goods	1	(1)	(1)	(1)	(1)	(1)
Other agents, brokers	1	(1)	(1)	(1)	(1)	(1)
Assemblers (mainly farm products), total	42	26,778	6,506	1,680	114,990	727
Dairy, poultry products	3	----------	465	145	9,093	----------
Fruits, vegetables (fresh)	4	7,438	676	150	11,419	3
Farm products (raw materials)	29	15,522	3,248	639	48,589	536
Farm supplies	6	3,818	2,117	746	45,889	188

[1] Withheld to avoid disclosure of individual operations.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. V.

No. 1054.—Wholesale Establishments—Summary, by Type

	Type of operation by kind of business	Establishments (number)			Sales, entire year ($1,000)			Operating expenses (incl. payroll) percent of sales	
		1929	1939	1948	1929	1939	1948	1939	1948[1]
1	**United States, total**	168,262	199,726	243,366	66,739,607	54,888,480	188,688,801	(3)	(3)
2	*Merchant wholesalers, total*	79,178	100,961	146,518	29,205,174	22,537,832	79,766,589	13.1	11.6
3	Groceries, confectionery, meats	15,224	15,681	17,345	5,386,861	3,940,781	11,356,738	11.3	8.8
4	Farm products (edible)	8,972	10,945	13,539	3,061,240	2,110,766	7,500,941	13.0	11.6
5	Beer, wines, distilled spirits	(3)	6,232	7,195	(3)	1,249,164	4,069,729	12.9	10.9
6	Drugs, chemicals, allied products	2,376	3,208	4,671	947,962	801,813	2,282,226	17.3	15.8
7	Tobacco and products (except leaf)	1,721	2,717	3,019	858,329	1,106,215	2,529,576	4.9	5.2
8	Dry goods, apparel	7,383	8,275	11,733	2,817,742	1,888,952	5,727,719	13.1	11.8
9	Furniture, home furnishings	1,750	2,214	3,813	494,777	373,464	1,314,945	17.2	16.6
10	Paper and its products	2,297	2,898	4,044	704,388	574,973	1,901,747	17.2	15.5
11	*Farm products (raw materials)*	3,400	2,086	2,594	3,697,456	1,628,706	6,903,993	6.9	3.6
12	Automotive	3,451	7,818	14,693	1,383,057	1,055,387	4,091,589	17.5	17.8
13	Electrical goods	2,182	3,072	5,443	846,689	788,024	4,424,566	16.6	12.7
14	*Hardware, plumbing, heating*	2,953	3,568	5,901	1,212,738	971,975	3,826,957	18.4	15.4
15	Lumber, construction materials	3,774	3,303	5,890	1,283,891	804,392	3,934,736	15.2	14.0
16	Machinery, equipment, supplies	6,988	11,270	21,430	1,268,760	1,440,371	6,731,372	20.0	18.0
17	Metals, metal work (except scrap)	856	1,017	1,803	672,581	515,975	2,056,715	12.0	12.1
18	Waste materials	3,919	6,059	7,717	474,453	656,000	2,699,300	14.7	11.9
19	Other merchant wholesalers	11,932	10,508	15,688	4,094,250	2,630,874	8,413,740	11.2	9.9
20	Manufacturers' sales branches (with stocks), total	(3)	12,844	15,716	(3)	9,610,329	29,229,717	12.5	10.0
21	Groceries, confectionery, meats		2,592	3,138		2,333,306	6,802,136	11.1	6.8
22	*Dairy, poultry products*		610	707		199,200	880,074	17.2	13.4
23	Beer, wines, distilled spirits		409	254		274,265	748,346	19.1	10.3
24	Drugs, chemicals, allied products		900	1,426		758,232	2,328,669	18.2	13.0
25	Tobacco and products (except leaf)		44	41		446,489	797,902	13.9	6.7
26	Dry goods, apparel		510	416		510,384	1,573,229	12.3	6.3
27	Furniture, home furnishings		285	376		131,625	534,135	14.0	10.9
28	Paper and its products		317	305		177,454	192,386	16.5	15.6
29	Automotive equipment, tires and tubes		(3)	700		(3)	1,571,876		10.8
30	*Electrical goods*		393	669		643,067	2,727,808	7.6	9.0
31	Hardware, plumbing, heating		617	630		276,045	664,527	15.9	13.0
32	Lumber, construction materials		353	457		238,475	613,076	14.1	16.6
33	*Machinery, equipment, supplies*		3,623	4,847		1,044,245	4,401,264	19.3	14.0
34	Metals, metal work (except scrap)		481	502		469,922	1,165,376	8.2	8.5
35	Other manufacturers' sales branches		627	1,248		(3)	4,228,913		9.1
36	Manufacturers' sales offices (without stocks)	(3)	5,082	8,052	(3)	4,643,280	23,508,860	6.9	4.3
37	*Petroleum bulk stations, terminals*	19,611	30,825	29,451	2,390,213	3,807,908	10,615,650	11.0	9.0
38	Agents, brokers, total	18,467	21,083	24,361	14,517,239	11,779,499	34,610,092	2.8	2.6
39	Groceries, confectionery, meats	2,296	2,733	3,171	2,331,805	2,109,490	5,487,102	1.9	2.0
40	Farm products (edible)	1,721	1,426	1,155	(3)	1,039,557	1,778,371	3.6	3.0
41	Beer, wines, distilled spirits	(3)	102	97	(3)	30,051	64,187	3.9	4.3
42	Drugs, chemicals, allied products	568	478	499	(3)	150,792	392,648	5.3	4.5
43	Tobacco and products (except leaf)	32	25	19	4,202	16,135	5,520	3.6	3.9
44	Dry goods, apparel	2,141	2,906	3,293	2,119,502	2,092,200	5,497,838	2.5	3.2
45	Furniture, home furnishings	679	789	1,045	161,660	100,956	469,963	6.5	5.9
46	Paper and its products	336	470	407	99,384	98,607	251,077	5.1	4.2
47	Farm products (raw materials)	2,518	3,135	3,744	(3)	3,206,134	11,739,902	1.7	1.2
48	*Automotive*	393	331	556	123,187	121,426	459,614	3.0	4.8
49	Electrical goods	711	837	1,312	(3)	130,532	683,553	5.4	6.2
50	Hardware, plumbing, heating	750	904	1,236	121,861	115,060	468,431	5.9	7.2
51	Lumber, construction materials	952	944	788	369,512	213,760	539,286	5.1	4.7
52	Machinery, equipment, supplies	2,355	3,061	3,365	468,668	441,608	1,422,424	8.9	6.6
53	Metals, metal work (except scrap)	417	608	743	615,443	359,125	726,293	2.1	3.4
54	Waste materials	78	121	90	73,255	74,181	200,562	4.1	3.5
55	Other agents, brokers	2,520	2,213	2,841	(3)	1,479,886	4,423,321	3.0	2.6
56	Assemblers (mainly farm products), total	34,143	28,931	19,268	4,452,099	2,509,632	10,957,893	9.3	6.1
57	Fish, sea foods	17	580	591	694	30,371	118,225	28.1	23.5
58	Other grocery, food specialties	246	230	253	30,701	38,037	206,617	13.5	13.4
59	Dairy, poultry products	5,617	9,091	3,939	558,891	446,168	1,618,011	9.4	7.1
60	Fruits, vegetables (fresh)	3,809	2,902	2,137	603,182	393,459	1,102,832	23.3	23.0
61	Farm products (raw materials)	23,811	15,595	11,939	3,215,760	1,563,840	7,756,809	5.3	2.9
62	Farm supplies	407	478	384	35,207	34,418	151,167	10.0	9.3
63	Assemblers, misc. products	236	55	25	7,574	3,339	4,232	13.4	13.9

[1] Entries for agents and brokers represent brokerage or commission received as a percent of sales entire year.
[2] Proprietors of unincorporated businesses.
[3] Not available.

OF OPERATION AND KIND OF BUSINESS: 1929, 1939, AND 1948

PAYROLL, ENTIRE YEAR ($1,000)		ACTIVE PROPRIETORS [2] (number)		PAID EMPLOYEES, WORK-WEEK ENDED NEAREST NOV. 15 (number)		STOCKS ON HAND, END OF YEAR, AT COST ($1,000)		
1939	1948	1939	Nov. 1948	1939	1948	1939	1948	
2,589,876	7,990,713	133,466	163,490	1,605,347	2,382,789	3,847,552	10,167,005	1
1,498,353	5,064,381	71,924	106,823	948,601	1,507,990	2,620,862	7,206,834	2
224,394	549,042	11,846	13,789	153,704	182,847	432,885	890,204	3
132,283	463,551	10,296	13,460	94,212	155,933	47,466	144,524	4
73,677	224,362	4,507	5,422	46,211	63,637	121,471	374,745	5
60,096	186,477	1,598	2,637	40,226	56,042	114,569	264,617	6
26,946	75,456	2,337	2,743	18,785	26,143	49,427	115,748	7
126,554	346,731	6,399	9,294	68,986	79,451	275,753	672,545	8
33,372	118,362	1,448	2,742	18,817	32,187	70,838	163,240	9
56,490	179,649	1,693	2,401	31,912	49,067	74,566	194,829	10
37,871	90,860	1,569	2,024	27,712	24,568	284,679	465,422	11
100,927	424,634	5,236	10,130	67,380	136,329	141,134	606,050	12
71,599	321,918	1,555	2,877	38,502	90,448	83,485	514,871	13
102,030	361,684	1,643	3,138	62,715	102,740	209,776	626,816	14
63,029	303,907	1,408	2,972	37,420	87,064	80,308	277,077	15
157,193	673,944	6,532	13,480	89,779	189,617	236,155	944,111	16
32,620	137,293	479	827	17,226	33,508	63,741	192,446	17
46,040	167,546	5,956	7,410	46,423	59,817	57,201	103,078	18
144,232	438,965	7,332	11,477	88,501	138,532	277,408	655,911	19
533,930	*1,501,413*	260	527	267,514	411,725	689,251	1,749,770	20
104,219	212,563	31	16	59,154	65,866	93,974	231,804	21
11,321	60,977	3	12	6,554	17,682	11,313	32,932	22
15,532	32,165	5	16	6,487	8,378	10,810	22,607	23
51,432	125,270	13	12	22,879	31,725	63,531	147,892	24
8,437	7,896	6	8	4,059	2,460	11,769	25,368	25
31,197	54,877	76	48	13,917	11,453	62,248	121,826	26
8,634	29,097	4	31	3,961	7,368	11,724	22,503	27
12,183	18,166	1	13	6,173	5,118	14,361	20,475	28
[3]	91,097	[3]	31	[3]	29,603	[3]	223,437	29
29,274	170,411	4	19	12,608	45,952	29,266	122,878	30
21,207	*50,493*	9	33	11,946	13,778	33,894	54,732	31
18,350	56,085	13	54	9,821	15,786	23,484	53,217	32
114,373	390,724	50	158	57,785	99,976	145,442	344,309	33
19,402	50,500	2	13	10,025	13,233	52,412	107,943	34
[3]	151,093	[3]	63	[3]	43,357	[3]	212,847	35
131,949	420,241	125	254	47,574	89,890	----------	----------	36
156,386	*345,847*	23,061	23,952	99,056	112,466	235,596	709,205	37
162,692	350,148	18,603	21,820	92,522	101,650	88,724	68,820	38
19,123	45,285	2,422	2,938	[3]	10,962	12,638	9,002	39
17,850	25,069	1,113	933	[3]	7,440	5,749	3,640	40
471	727	79	73	262	171	861	560	41
4,032	7,281	356	368	1,772	1,625	1,519	1,427	42
207	54	32	20	78	20	124	21	43
29,340	63,214	2,791	3,090	11,357	12,117	6,447	8,143	44
3,206	9,337	713	984	1,807	2,221	682	991	45
2,694	3,904	362	340	1,132	878	777	512	46
26,568	58,287	3,376	3,705	[3]	35,492	37,397	18,188	47
1,856	8,167	289	489	862	1,823	648	802	48
3,342	*13,970*	737	1,207	2,021	3,236	880	1,872	49
3,206	12,985	811	1,136	1,872	2,982	935	2,191	50
4,928	7,888	752	654	2,287	1,901	709	2,260	51
19,373	38,669	2,521	2,841	9,264	8,525	6,520	7,966	52
3,990	8,577	522	608	1,744	1,843	3,135	1,089	53
1,152	3,227	82	50	356	557	1,266	532	54
21,354	43,507	1,645	2,384	[3]	9,857	8,437	9,633	55
106,586	308,683	19,493	10,114	149,180	159,068	213,119	432,367	56
4,440	14,347	631	501	11,407	12,364	1,285	3,859	57
2,351	12,920	167	125	[3]	11,576	6,541	21,430	58
17,604	51,525	7,567	2,756	[3]	23,977	6,342	36,277	59
43,752	121,800	1,877	1,352	[3]	64,848	12,916	33,777	60
36,766	*101,172*	*8,776*	*5,114*	[3]	43,371	181,842	326,753	61
1,381	6,630	444	246	[3]	2,755	3,777	9,809	62
292	289	31	20	238	177	416	462	63

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. V.

No. 1055.—Wholesale Establishments—

Division and State	Establishments (number)			Sales, entire year ($1,000)			Active proprietors [1] (number)	
	1929	1939	1948	1929	1939	1948	1939	Nov. 1948
United States	[2] 168,262	199,726	243,366	[2] 66,739,607	54,888,480	188,688,801	133,466	163,490
New England	9,721	10,064	13,123	3,988,607	3,149,541	9,341,451	5,461	6,603
Maine	986	1,032	927	175,853	165,848	490,529	608	424
New Hampshire	325	363	518	60,500	64,263	188,998	198	260
Vermont	308	383	393	57,393	57,112	168,216	209	206
Massachusetts	6,015	5,932	7,788	2,935,089	2,214,403	6,396,231	3,183	3,791
Rhode Island	734	761	1,136	275,357	238,989	722,552	455	679
Connecticut	1,353	1,593	2,361	484,415	408,926	1,374,925	808	1,243
Middle Atlantic	37,913	45,179	64,046	22,606,845	18,807,570	57,747,882	30,122	44,525
New York	25,110	30,255	43,786	17,072,380	14,452,737	43,140,120	19,541	29,358
New Jersey	2,334	3,523	5,695	935,521	1,032,078	3,596,934	1,928	3,794
Pennsylvania	10,469	11,401	14,565	4,598,944	3,322,755	11,010,828	8,653	11,373
East North Central	31,973	40,504	47,412	13,401,820	11,164,583	40,345,543	26,815	31,131
Ohio	8,005	9,545	11,099	2,910,629	2,606,812	9,468,871	6,017	6,652
Indiana	3,726	4,821	5,325	888,816	842,092	3,227,141	3,356	3,586
Illinois	11,534	14,468	17,454	6,660,084	4,977,030	18,136,506	9,552	11,983
Michigan	5,222	6,891	8,434	2,018,328	1,918,154	6,683,754	4,874	5,878
Wisconsin	3,486	4,779	5,100	923,963	820,495	2,829,271	3,016	3,032
West North Central	28,591	33,039	31,814	8,442,430	5,769,120	21,988,833	21,835	20,631
Minnesota	5,243	6,433	6,075	1,667,535	1,448,297	5,026,505	4,075	3,632
Iowa	4,936	5,790	5,980	1,040,840	787,208	3,361,733	4,306	4,418
Missouri	6,621	7,608	7,846	3,296,777	2,238,054	7,420,888	5,198	5,341
North Dakota	2,618	2,682	2,261	261,131	170,252	939,420	1,300	1,021
South Dakota	1,972	2,020	1,820	236,095	133,139	791,608	1,100	1,014
Nebraska	2,886	3,378	3,188	1,053,441	564,601	2,354,449	2,338	2,072
Kansas	4,315	5,128	4,640	886,611	427,569	2,094,230	3,518	3,133
South Atlantic	15,556	17,341	22,430	4,473,555	4,537,886	16,287,633	11,722	14,069
Delaware	286	316	370	118,087	157,474	483,721	189	217
Maryland	2,192	2,461	3,076	711,372	688,138	2,057,749	1,904	2,130
District of Columbia	478	735	1,114	216,791	338,233	1,242,601	437	585
Virginia	2,331	2,426	3,000	621,139	626,477	2,033,470	1,489	1,856
West Virginia	1,127	1,423	1,737	341,433	284,119	1,076,754	754	849
North Carolina	2,403	2,842	3,962	695,118	826,694	3,129,686	2,068	2,617
South Carolina	1,530	1,447	1,609	333,528	297,078	1,008,042	1,101	1,056
Georgia	3,159	3,009	3,844	992,009	797,580	3,264,294	2,086	2,516
Florida	2,041	2,682	3,718	444,078	522,093	1,991,316	1,694	2,234
East South Central	7,711	8,154	10,318	2,495,203	1,957,572	7,897,253	6,278	7,686
Kentucky	2,024	2,168	2,456	500,389	463,769	1,784,338	1,672	1,854
Tennessee	2,238	2,634	3,529	1,043,463	835,369	3,477,171	1,910	2,469
Alabama	1,737	1,934	2,597	566,403	413,607	1,677,829	1,565	2,027
Mississippi	1,712	1,418	1,736	384,948	244,827	957,915	1,131	1,336
West South Central	17,480	18,380	20,441	4,726,740	3,425,977	13,005,080	13,257	14,490
Arkansas	2,045	1,782	2,147	366,510	248,643	851,613	1,466	1,647
Louisiana	1,711	2,360	3,068	828,056	698,804	2,227,068	1,419	2,007
Oklahoma	4,155	3,985	3,668	766,817	458,709	1,729,240	2,767	2,540
Texas	9,569	10,253	11,558	2,765,357	2,019,821	8,197,169	7,605	8,296
Mountain	5,743	7,259	8,615	1,167,413	1,080,863	4,270,113	4,598	5,644
Montana	1,243	1,333	1,396	158,227	190,334	587,330	596	657
Idaho	673	988	1,147	97,157	105,496	415,822	605	734
Wyoming	283	397	463	34,661	37,031	153,477	312	339
Colorado	2,056	2,274	2,650	536,353	431,118	1,628,603	1,572	1,826
New Mexico	315	542	718	53,143	66,387	259,969	414	566
Arizona	356	605	864	97,024	96,426	420,481	390	605
Utah	721	945	1,123	177,130	190,840	724,933	601	726
Nevada	96	175	254	13,718	23,231	79,498	108	191
Pacific	13,664	19,806	25,167	5,456,553	4,995,368	17,805,013	13,378	18,720
Washington	2,572	3,565	4,147	955,070	762,974	2,643,174	1,817	2,734
Oregon	1,437	1,916	2,561	465,196	437,954	1,891,251	1,019	1,649
California	9,655	14,325	18,459	4,036,287	3,794,440	13,270,588	10,542	14,337

[1] Proprietors of unincorporated businesses.

[2] To avoid disclosures, where scope changes involved only one or two establishments, adjustments were not made at the State and geographic division levels. Hence, figures will not add to United States totals.

SUMMARY, BY STATES: 1929, 1939, AND 1948

PAID EMPLOYEES, WORKWEEK ENDED NEAREST NOV. 15 (number)		PAYROLL, ENTIRE YEAR ($1,000)			STOCKS ON HAND, END OF YEAR, AT COST ($1,000)			DIVISION AND STATE
1939	1948	1929	1939	1948	1929	1939	1948	
1,605,347	2,382,789	[1] 2,941,698	2,589,876	7,990,713	[2] 5,042,641	3,847,552	10,167,005	U. S.
95,342	136,339	202,367	166,488	461,899	318,635	236,639	608,506	N. E.
7,454	9,616	11,202	10,135	27,136	22,973	18,132	43,619	Maine.
2,570	4,037	3,667	3,735	11,291	6,231	5,184	14,499	N. H.
2,364	3,141	2,890	3,434	9,206	5,432	5,140	15,411	Vt.
59,235	81,884	142,828	110,681	290,915	214,210	153,785	367,208	Mass.
7,624	11,103	14,534	12,433	35,210	22,805	20,975	56,050	R. I.
16,095	26,558	27,237	26,070	88,141	46,984	33,423	111,719	Conn.
434,059	610,213	945,512	854,708	2,355,318	1,603,266	1,172,326	2,808,883	M. A.
297,738	397,720	677,590	625,440	1,651,425	1,236,942	894,396	2,032,869	N. Y.
36,089	58,812	54,648	62,044	204,040	67,615	74,123	233,725	N. J.
100,232	153,681	213,274	167,224	499,853	298,709	203,807	542,289	Pa.
310,585	474,769	673,206	529,755	1,697,848	882,170	642,468	1,805,614	E. N. C.
76,788	120,922	150,293	130,311	421,175	191,342	149,298	426,219	Ohio.
28,761	45,056	42,531	42,357	144,878	60,212	57,912	182,159	Ind.
124,835	182,512	336,877	226,544	689,689	410,039	256,362	679,769	Ill.
53,308	84,766	93,411	88,318	304,771	113,976	105,680	326,746	Mich.
26,893	41,513	50,094	42,225	137,335	106,601	73,216	190,721	Wis.
168,504	238,499	321,140	246,805	719,554	615,524	445,881	1,099,917	W. N. C.
38,308	53,355	62,428	59,660	166,428	151,304	130,109	273,157	Minn.
24,281	35,028	40,541	31,690	99,434	68,555	47,836	137,735	Iowa.
64,055	87,016	142,963	104,138	281,276	238,139	156,135	365,582	Mo.
6,335	8,916	9,935	7,195	24,785	24,418	22,604	74,013	N. Dak.
4,957	8,038	8,614	5,593	21,306	16,810	12,139	40,884	S. Dak.
15,419	23,178	28,047	20,378	64,866	58,442	35,402	98,097	Nebr.
15,149	22,968	28,612	18,151	61,459	57,856	41,656	110,449	Kans.
197,506	264,516	196,090	219,519	739,175	352,937	360,363	969,274	S. A.
2,962	5,153	3,778	6,018	17,734	10,514	4,562	23,077	Del.
25,178	33,639	32,750	33,260	99,943	48,808	41,466	121,668	Md.
10,087	17,106	12,102	17,616	62,327	12,336	17,980	50,815	D. C.
33,008	39,625	29,575	33,810	99,126	77,714	75,091	132,280	Va.
11,830	17,744	19,216	17,143	56,356	29,258	26,277	71,919	W. Va.
43,635	43,541	25,679	33,367	107,716	63,226	85,134	193,418	N. C.
8,874	13,848	10,535	9,979	37,337	17,524	16,295	55,239	S. C.
24,849	44,004	36,184	34,069	133,260	61,328	52,904	175,504	Ga.
37,083	49,856	26,271	34,257	125,376	32,229	40,654	145,354	Fla.
62,363	108,104	94,159	81,299	295,360	234,492	196,687	488,047	E. S. C.
17,302	26,690	25,872	23,572	74,471	99,196	67,544	104,626	Ky.
23,343	40,726	34,216	30,867	114,985	67,510	68,198	213,904	Tenn.
14,494	26,991	23,551	18,737	73,785	43,731	34,612	102,602	Ala.
7,224	13,697	10,520	8,123	32,119	24,055	26,333	66,915	Miss.
117,137	193,000	166,483	147,803	548,609	385,584	310,935	884,158	W. S. C.
8,045	14,705	11,949	9,604	35,808	28,849	20,623	60,451	Ark.
24,013	36,187	28,900	31,787	103,918	58,718	65,070	165,523	La.
16,011	25,188	30,425	21,198	72,717	60,594	35,742	109,907	Okla.
69,068	116,920	95,209	85,214	336,166	237,423	189,500	548,277	Tex.
39,292	70,246	54,777	53,077	200,899	104,720	88,929	304,759	Mt.
4,252	7,470	6,979	6,105	21,779	19,026	15,985	49,770	Mont.
5,819	8,999	4,479	5,282	19,561	10,918	9,449	26,960	Idaho.
1,204	2,223	1,855	1,671	6,144	4,215	3,654	14,200	Wyo.
14,211	25,483	23,520	19,920	75,028	37,435	27,561	97,063	Colo.
2,522	4,508	2,313	3,197	12,452	4,744	7,752	26,280	N. Mex.
3,824	8,087	5,407	5,614	24,023	9,377	7,729	29,938	Ariz.
6,693	12,150	9,347	9,994	37,298	17,681	14,694	53,059	Utah.
767	1,326	877	1,294	4,614	1,324	2,105	7,399	Nev.
180,559	287,103	290,139	290,422	972,051	546,893	393,324	1,197,847	Pac.
28,780	45,668	50,537	44,116	145,511	79,330	59,509	188,998	Wash.
15,696	29,314	24,056	24,315	94,418	40,580	38,341	141,162	Oreg.
136,083	212,131	215,546	221,991	732,122	426,983	295,474	867,687	Calif.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. V.

No. 1056.—Selected Services—Summary, by Kind of Business: 1939 and 1948

[Covers establishments primarily engaged in providing personal, business and repair services, amusement or entertainment, and accommodations in hotels and tourist courts. 1939 figures adjusted to secure comparability with 1948]

Kind of business	Establishments		Receipts, entire year		Payroll, entire year		Paid employees and payroll, workweek ended nearest Nov. 15			Unincorporated businesses		
							Employees		Payroll, 1948 [2]	Active proprietors		Unpaid family workers, Nov. 1948
	1939	1948	1939 [1]	1948	1939	1948 [2]	1939	1948 [2]		1939	Nov. 1948	
SELECTED SERVICES	*Number*	*Number*	*$1,000*	*$1,000*	*$1,000*	*$1,000*	*Number*	*Number*	*Dollars*	*Number*	*Number*	*Number*
Personal, business, and repair services	570,057	559,559	2,973,593	8,578,162	911,248	2,871,214	936,271	1,342,496	56,828,486	579,433	574,610	120,407
Amusements [3]	44,917	50,347	998,079	2,349,601	225,481	610,034	223,687	341,931	11,551,185	33,971	37,874	17,458
Hotels	27,987	29,650	863,155	2,172,756	243,228	660,004	330,216	398,293	12,448,752	24,018	26,411	16,915
Tourist courts and camps	13,521	25,919	36,722	195,505	4,226	22,604	6,938	16,972	421,899	13,365	27,715	24,297
PERSONAL, BUSINESS, AND REPAIR SERVICES												
Personal services, total	389,726	351,985	1,821,584	4,440,189	571,610	1,582,532	653,072	851,024	31,357,304	398,721	360,568	77,317
Barber, beauty shops	205,268	169,081	481,271	844,998	137,374	278,982	184,742	157,164	5,658,684	214,836	174,059	10,849
Barber shops	117,998	91,993	230,983	404,441	55,557	126,012	70,783	64,509	2,557,296	124,596	95,970	3,753
Beauty shops	83,071	74,497	231,670	417,570	74,496	143,274	104,501	87,290	2,907,787	85,419	75,111	6,245
Barber and beauty shops combined	4,199	2,591	18,618	22,987	7,321	9,696	9,458	5,365	193,601	4,821	2,978	851
Cleaning, dyeing plants	12,616	25,534	193,316	844,357	83,982	399,434	87,421	210,026	7,972,704	12,794	28,148	12,759
Cleaning, dyeing plants (ex. rug cleaning)	11,604	24,017	182,698	807,673	80,014	385,155	83,970	203,867	7,688,985	11,845	26,601	12,138
Rug cleaning, repairing plants	1,012	1,517	10,618	36,684	3,968	14,279	3,451	6,159	283,719	949	1,547	621
Funeral service, crematories	18,196	18,675	261,617	572,355	40,676	90,019	33,122	40,726	1,750,831	18,239	18,792	10,133
Laundries, laundry services	22,736	19,182	527,753	1,257,987	249,062	620,559	266,528	329,728	11,899,071	23,018	18,674	5,996
Power laundries (exc. power laundries of linen supply and diaper services) [5]	7,491	6,783	481,970	913,036	241,547	501,646	254,518	272,495	9,604,700	5,520	5,569	1,765
Linen supply service		1,176		238,203		91,101		39,877	1,731,962		675	106
Diaper service		384		25,887		10,061		4,685	196,973		333	106
Laundries (exc. power)	15,245	10,839	45,783	80,861	7,515	17,751	12,010	12,671	365,436	17,498	12,097	4,019
Photographic studios (inc. commercial photography)	10,957	14,712	64,185	212,025	15,690	57,870	16,045	27,609	1,206,853	10,417	14,410	5,313
Photographic studios (exc. commercial photography)	(4)	11,549	(4)	147,118	(4)	35,993	(4)	19,756	779,297	(4)	11,227	4,384
Commercial photography	(4)	3,163	(4)	64,907	(4)	21,877	(4)	7,853	427,556	(4)	3,183	929
Pressing, alteration, garment repair shops	54,696	47,888	153,254	365,661	23,772	67,704	35,024	41,893	1,459,696	54,564	49,783	19,034
Pressing, alteration, etc. (exc. fur)	52,516	45,554	140,578	320,148	21,478	59,197	31,655	37,488	1,244,842	52,398	47,401	18,254
Fur repair and storage shops	2,180	2,334	12,676	45,513	2,294	8,507	3,369	4,405	214,854	2,166	2,382	780
Shoe-repair shops, shoeshine parlors, hat cleaning	59,371	44,151	119,321	218,800	15,497	36,409	23,447	22,900	736,367	59,125	44,282	7,863
Shoe-repair shops	50,115	39,763	106,737	202,176	13,349	32,711	18,939	19,191	659,885	49,695	39,701	7,003
Shoeshine parlors	7,968	2,962	8,210	6,668	1,133	1,166	2,961	1,690	24,605	8,064	3,020	433

Hat-cleaning shops	1,288	1,426	4,374	9,956	1,015	2,532	1,547	2,019	51,877	1,366	1,561	427
Miscellaneous personal services	5,886	12,762	20,867	124,006	5,557	31,555	6,743	20,978	673,098	5,728	12,420	5,370
Self-service laundries	(4)	8,523	(4)	65,409	(4)	11,975	(4)	10,379	277,157	(4)	8,593	4,549
Miscellaneous personal services, n. e. c.	(4)	4,239	(4)	58,597	(4)	19,580	(4)	10,599	395,941	(4)	3,827	821
Costume and dress suit rental agencies	417	510	4,070	10,117	1,321	2,845	1,031	1,216	54,542	387	533	170
Turkish baths, massage parlors	1,600	1,305	5,979	9,867	1,648	3,181	2,159	1,926	63,793	1,557	1,296	287
Other misc. personal services, n. e. c.	[6] 3,869	2,424	[6] 10,818	38,613	[6] 2,588	13,554	[6] 3,553	7,457	277,606	[6] 3,784	1,998	364
Business services, total	26,188	32,007	486,912	1,629,513	199,464	701,226	143,491	242,982	13,572,326	23,181	27,918	5,366
Advertising	(4)	5,986	(4)	652,063	(4)	290,765	(4)	72,975	5,528,726	(4)	4,430	543
Advertising agencies	1,628	3,279	97,372	394,872	53,546	194,342	16,936	38,739	3,655,756	1,070	2,469	258
Outdoor advertising service	679	798	46,844	114,881	14,836	38,405	8,682	10,567	704,686	386	479	87
Miscellaneous advertising service	(4)	1,909	(4)	142,310	(4)	58,018	(4)	23,669	1,168,284	(4)	1,482	198
Consumer credit reporting agencies, etc.	2,576	2,652	48,135	121,913	23,238	60,376	18,956	26,625	1,198,851	1,732	1,617	364
Duplicating, addressing, blueprinting, etc.	3,262	3,102	35,310	95,225	11,919	35,451	12,949	17,272	702,960	3,132	3,082	480
Duplicating, addressing, etc., stenographic	2,762	2,430	22,349	53,593	7,941	20,561	9,820	11,827	419,149	2,745	2,546	371
Duplicating, addressing, mailing, mailing list	1,433	1,394	17,582	43,637	7,050	17,781	9,016	10,429	363,677	1,404	1,445	273
Public stenographic agencies, court reporting	1,329	1,036	4,767	9,956	891	2,780	804	1,398	55,472	1,341	1,101	98
Blueprinting, photostating services	500	672	12,961	41,632	3,978	14,890	3,129	5,445	283,811	387	536	109
Employment agencies, private	1,424	2,231	7,861	30,784	2,777	10,271	1,994	4,580	215,440	1,419	2,239	358
News syndicates	(4)	77	(4)	70,421	(4)	29,043	(4)	5,478	510,751	(4)	34	9
Services to dwellings and other buildings	(4)	3,323	(4)	117,335	(4)	64,048	(4)	27,621	1,264,601	(4)	3,048	674
Disinfecting, exterminating service	952	1,393	11,143	43,467	4,606	18,792	3,636	6,575	358,519	748	1,074	313
Window-cleaning service	823	1,260	11,781	38,013	6,895	21,855	6,401	9,711	445,620	869	1,325	236
Miscellaneous services to dwellings, etc.	(4)	670	(4)	35,855	(4)	23,401	(4)	11,335	460,462	(4)	649	125
Business services, n. e. c.	14,844	14,636	228,466	541,772	81,647	211,272	73,937	88,431	4,150,997	13,825	13,468	2,938
Auctioneers' establishments (service only)	970	670	5,213	14,535	1,659	3,447	3,390	2,231	68,172	996	717	195
Coin-operated machine rental and repair services	1,554	1,302	30,576	50,500	5,852	10,061	4,381	3,623	194,781	1,606	1,391	256
Detective agencies	280	603	4,128	18,786	2,677	11,680	2,845	6,874	242,442	184	429	84
Interior decorating service	461	601	4,365	18,943	783	3,648	751	1,533	77,161	454	616	126
Photo-finishing laboratories	1,201	1,703	16,111	88,839	4,561	34,019	4,442	14,277	650,558	1,180	1,694	625
Sign-painting shops	5,391	4,283	16,803	47,253	3,488	13,820	3,296	5,081	272,775	5,741	4,585	869
Telephone-answering service	(4)	367	(4)	7,469	(4)	3,583	(4)	2,187	74,924	(4)	246	49
Window-display service	215	279	3,059	8,060	1,199	2,716	927	1,056	56,110	192	261	51
Other business services, n. e. c.	[7] 4,772	4,828	[7] 148,211	287,387	[7] 61,428	128,298	[7] 53,905	51,569	2,514,074	[7] 3,472	3,529	683
Automobile repair services and garages, total	78,831	95,544	440,892	1,561,109	97,514	355,368	96,424	153,576	7,171,450	80,584	101,749	18,540
Automobile repair shops	66,178	84,875	315,630	1,272,036	66,078	274,501	65,501	117,252	5,546,260	71,091	94,297	17,078
General automobile repair shops	51,827	60,147	228,214	839,466	43,461	158,640	44,667	71,341	3,205,845	55,389	66,914	12,938
Battery and ignition repair and service shops	2,073	1,890	10,228	30,398	1,597	5,799	1,724	2,560	114,908	2,201	2,057	367
Glass-replacement and repair shops	(4)	1,079	(4)	20,248	(4)	3,677	(4)	1,526	74,774	(4)	1,222	199
Paint shops	1,300	2,567	6,220	32,165	1,731	9,894	1,726	4,179	207,382	1,466	2,827	433
Radiator repair shops	1,089	2,844	4,631	36,267	982	8,254	976	3,373	174,289	1,133	3,117	486
Tire repair shops	2,215	1,955	8,222	34,976	1,064	5,326	1,253	2,408	110,308	2,363	1,964	368
Top and body repair shops	6,232	10,425	44,678	188,298	13,683	58,730	12,297	22,941	1,180,387	7,067	11,834	1,582
Automobile repair shops, n. e. c.	1,442	3,968	13,437	90,218	3,560	24,181	2,858	8,924	478,367	1,472	4,362	705
Brake repair shops	487	751	4,876	18,067	1,162	4,621	900	1,663	93,099	500	822	122
Wheel, axle, spring repair shops	413	1,197	5,040	37,602	1,572	11,675	1,105	3,996	223,568	424	1,311	186
Other automobile repair shops, n. e. c.	[8] 542	2,020	[8] 3,521	34,549	[8] 826	7,885	[8] 853	3,265	161,700	[8] 548	2,229	397
Automobile rentals (without drivers)	648	1,011	20,251	83,917	5,393	18,758	4,046	6,208	358,181	380	533	137

See footnotes at end of table.

No. 1056.—Selected Services—Summary, by Kind of Business: 1939 and 1948—Continued

Kind of business	Establishments		Receipts, entire year		Payroll, entire year		Paid employees and payroll, workweek ended nearest Nov. 15			Unincorporated businesses		
							Employees		Payroll, 1948 [2]	Active proprietors		Unpaid family workers, Nov. 1948
	1939	1948	1939 [1]	1948	1939	1948 [3]	1939	1948 [3]		1939	Nov. 1948	
PERSONAL, BUSINESS, AND REPAIR SERVICES—Con.												
Automobile repair services and garages—Con.	*Number*	*Number*	*$1,000*	*$1,000*	*$1,000*	*$1,000*	*Number*	*Number*	*Dollars*	*Number*	*Number*	*Number*
Automobile storage, parking	11,095	8,533	102,076	190,347	25,154	55,990	25,320	25,618	1,122,452	8,126	5,828	1,134
Storage garages	4,821	2,606	70,315	115,479	18,193	35,729	16,508	14,294	702,803	3,844	1,918	319
Parking lots	6,274	5,927	31,755	74,868	6,961	20,261	8,812	11,324	419,649	4,282	3,910	815
Automobile services (exc. repair)	(4)	1,125	(4)	14,809	(4)	6,119	(4)	4,498	144,557	(4)	1,091	191
Automobile laundries	960	792	2,941	10,375	889	4,695	1,557	3,880	116,252	987	763	111
Automobile services, n. e. c.	(4)	333	(4)	4,434	(4)	1,424	(4)	618	28,305	(4)	328	80
Miscellaneous repair services, total	75,262	80,023	224,205	947,351	42,660	232,088	43,284	94,914	4,727,406	76,947	84,375	19,184
Blacksmith shops	16,797	8,249	22,567	44,411	2,627	7,466	3,548	3,530	144,023	17,266	8,863	1,220
Electrical repair shops	15,644	19,440	47,835	214,796	7,838	46,831	7,951	21,100	1,023,197	16,142	20,131	5,463
Radio repair shops	10,732	12,558	21,687	100,679	2,004	20,791	2,842	10,262	500,643	11,000	12,935	3,219
Refrigerator-service and repair shops	1,297	2,531	9,222	45,507	2,338	9,958	1,834	3,928	194,390	1,410	2,733	858
Other electrical repair shops	3,615	4,351	16,926	68,610	3,496	16,082	3,275	6,910	328,164	3,732	4,463	1,386
Upholstery, furniture repair shops	9,685	10,297	35,095	126,375	6,915	30,107	7,949	13,966	633,014	10,261	11,346	3,180
Watch, clock, jewelry repair shops	12,485	12,750	29,902	86,401	2,946	13,404	2,977	6,214	268,796	12,530	13,053	2,855
Miscellaneous repair shops	20,651	29,287	88,806	475,368	22,334	134,280	20,859	50,104	2,558,376	20,748	30,982	6,466
Armature rewinding shops	978	2,023	12,873	60,472	3,783	17,709	3,163	6,458	339,902	1,033	2,224	450
Bicycle repair shops	1,601	1,283	3,435	7,390	307	549	484	365	11,049	1,621	1,300	331
Leather goods repair shops	2,168	560	3,809	3,617	249	684	349	340	14,009	2,178	576	129
Locksmith, gunsmith shops	2,252	1,518	5,261	11,529	722	1,815	736	863	35,634	2,248	1,633	354
Musical instrument repair shops	982	789	1,946	5,534	231	1,188	233	598	24,579	1,012	829	173
Repair shops, n. e. c.	12,670	23,114	61,482	386,826	17,042	112,335	15,894	41,480	2,233,203	12,656	24,420	5,029
Lawn mower sharpening and repair shops	(4)	774	(4)	2,385	(4)	200	(4)	119	3,383	(4)	805	145
Saw, knife, and tool sharpening and repair shops	1,451	1,304	3,875	9,801	882	2,482	706	968	49,445	1,501	1,352	220
Sewing machine repair shops	355	488	1,058	3,961	136	395	126	196	8,136	361	531	152
Stove repair shops	365	207	977	2,592	173	572	223	242	11,947	380	232	82
Taxidermists	363	211	853	1,570	197	353	201	191	7,420	364	220	79
Typewriter repair shops	618	638	2,322	7,618	423	1,651	458	770	33,038	643	683	158
Welding shops	(9)	3,536	(9)	36,854	(9)	8,844	(9)	3,434	178,297	(9)	3,832	596
Other repair shops, n. e. c.	[10] 9,518	15,956	[10] 52,397	322,045	[10] 15,231	97,838	[10] 14,180	35,560	1,941,537	[10] 9,407	16,765	3,602

[1] Includes Federal, State, and local amusement, sales, and excise taxes collected directly from customer and paid directly to taxing agency.
[2] Includes paid executives of corporations but not proprietors of unincorporated businesses.
[3] Includes motion picture theaters.
[4] Not available.
[5] Power laundries include industrial laundries.
[6] Includes self-service laundries and electrolysis establishments.
[7] Includes miscellaneous advertising service, news syndicates, miscellaneous service to dwellings, etc., and telephone-answering service.
[8] Includes glass-replacement and repair shops and automobile services, n. e. c.
[9] Included in custom industries with custom welders in 1939.
[10] Includes lawn-mower-sharpening and repair shops.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. VII.

No. 1057.—Personal, Business, and Repair Services—Summary, by States: 1948

[For kinds of personal, business, and repair services covered, see table 1056]

Division and state	Establishments	Receipts, entire year	Payroll, entire year [1]	Unincorporated businesses		Paid employees, work week ended nearest Nov. 15 [1]		Payroll, work-week ended nearest Nov. 15 [1]	
				Active proprietors, November	Unpaid family workers, November	Total	Full work-week	Total	Full work-week
	Number	*$1,000*	*$1,000*	*Number*	*Number*	*Number*	*Number*	*Dollars*	*Dollars*
United States	*559,559*	*8,576,162*	*2,871,214*	*574,610*	*120,407*	*1,342,496*	*1,198,415*	*56,828,486*	*54,265,693*
New England	38,709	507,270	158,981	38,210	6,247	79,199	69,324	3,071,432	2,901,483
Maine	3,129	30,618	8,346	3,077	549	4,673	4,121	159,328	150,444
New Hampshire	2,167	22,155	5,880	2,210	410	3,309	2,845	113,254	105,289
Vermont	1,426	11,724	2,833	1,428	224	1,698	1,484	54,919	51,394
Massachusetts	19,886	280,002	91,352	19,385	3,074	45,294	39,675	1,762,633	1,665,799
Rhode Island	3,771	45,102	13,986	3,740	672	6,866	6,085	266,137	253,211
Connecticut	8,330	117,669	36,584	8,370	1,318	17,359	15,114	715,161	675,346
Middle Atlantic	141,838	2,395,360	888,066	144,817	27,691	346,084	311,121	16,499,694	15,835,791
New York	77,310	1,541,959	576,390	78,310	13,726	217,725	196,416	11,278,163	10,850,709
New Jersey	22,249	313,030	99,540	22,595	5,215	45,689	40,974	1,989,324	1,898,435
Pennsylvania	42,279	540,371	162,136	43,912	8,750	82,670	73,731	3,232,207	3,086,647
East North Central	110,159	1,848,908	638,458	112,836	23,329	276,381	242,187	12,573,262	11,948,430
Ohio	28,990	437,447	145,688	29,316	6,016	67,452	59,149	2,867,662	2,722,431
Indiana	13,640	184,299	57,387	14,192	2,746	29,207	25,730	1,147,394	1,091,285
Illinois	35,218	706,502	259,680	36,155	7,778	101,515	89,956	5,070,278	4,846,328
Michigan	21,376	367,268	130,266	22,220	4,582	55,872	48,315	2,590,522	2,442,991
Wisconsin	10,935	153,392	45,437	10,953	2,207	22,385	19,037	897,406	845,395
West North Central	53,593	652,463	189,848	55,805	10,532	98,285	85,903	3,788,730	3,587,210
Minnesota	*10,104*	*134,571*	*40,767*	*10,503*	*1,706*	*19,521*	*16,827*	*824,057*	*778,693*
Iowa	9,851	108,486	28,085	10,378	1,863	14,764	12,809	558,736	529,299
Missouri	16,243	226,819	74,378	16,553	3,154	37,463	33,074	1,458,505	1,384,336
North Dakota	1,955	16,916	3,682	2,068	318	2,312	1,985	80,948	75,356
South Dakota	2,087	19,521	4,745	2,150	492	2,739	2,328	95,715	88,922
Nebraska	5,342	63,434	16,143	5,639	1,011	9,040	7,862	325,859	308,359
Kansas	8,011	83,716	22,048	8,514	1,988	12,446	11,018	444,910	422,245
South Atlantic	58,652	879,003	305,536	58,832	12,741	176,347	160,688	6,096,164	5,856,641
Delaware	1,193	15,609	4,794	1,180	257	2,521	2,307	94,407	91,451
Maryland	7,910	121,055	40,056	7,987	1,409	20,359	18,335	791,064	757,009
District of Columbia	3,539	88,430	34,855	3,414	719	16,267	14,570	679,868	650,190
Virginia	7,944	120,811	41,796	7,914	1,460	25,015	22,620	832,424	797,447
West Virginia	4,476	59,395	19,541	4,443	937	10,836	9,880	391,287	375,641
North Carolina	9,571	129,426	45,859	9,873	2,121	30,051	27,640	933,400	900,137
South Carolina	4,574	58,062	19,659	4,538	1,080	13,922	12,684	392,849	376,317
Georgia	9,121	130,909	46,597	9,148	1,994	28,936	26,412	937,340	902,071
Florida	10,324	155,306	52,379	10,335	2,764	28,440	26,240	1,043,525	1,006,378
East South Central	26,349	354,784	118,323	27,208	6,502	74,834	68,465	2,348,022	2,260,489
Kentucky	6,806	93,329	28,560	7,321	1,484	16,654	15,081	568,597	545,242
Tennessee	7,960	123,577	43,253	8,134	1,965	26,189	24,327	854,424	829,239
Alabama	6,982	90,590	31,037	7,036	1,739	20,663	18,901	616,659	591,470
Mississippi	*4,601*	*47,288*	*15,473*	*4,717*	*1,314*	*11,328*	*10,156*	*308,342*	*294,538*
West South Central	50,993	634,099	198,923	52,807	14,698	115,693	105,206	4,036,649	3,869,215
Arkansas	5,276	49,130	14,965	5,480	1,310	10,134	9,355	304,149	293,859
Louisiana	6,692	90,866	30,502	6,765	1,695	18,479	17,002	613,628	589,231
Oklahoma	9,301	101,279	29,209	9,888	2,633	16,551	14,960	591,455	566,389
Texas	29,724	392,824	124,247	30,674	9,060	70,529	63,889	2,527,417	2,419,736
Mountain	17,008	233,338	70,038	17,999	4,440	36,176	31,965	1,401,034	1,331,398
Montana	1,942	23,823	6,237	2,122	356	3,229	2,824	125,063	116,294
Idaho	1,867	23,009	6,121	2,010	481	3,164	2,815	120,888	115,527
Wyoming	923	12,356	3,569	993	264	1,860	1,669	73,734	70,635
Colorado	5,117	72,783	22,859	5,368	1,236	12,083	10,491	454,615	431,465
New Mexico	1,987	24,661	7,318	2,096	652	4,140	3,820	148,052	143,127
Arizona	2,300	34,413	10,959	2,395	759	5,425	4,876	218,070	208,368
Utah	2,232	31,111	9,300	2,334	526	4,710	3,998	186,131	173,622
Nevada	640	11,122	3,675	681	166	1,565	1,472	74,481	72,360
Pacific	62,258	1,072,937	353,041	66,096	14,227	139,497	123,556	7,013,499	6,675,036
Washington	8,787	134,550	44,127	9,172	1,811	17,602	15,283	866,637	812,980
Oregon	5,898	96,727	29,902	6,365	1,257	12,416	11,218	608,176	581,612
California	47,573	841,660	279,012	50,559	11,159	109,479	97,055	5,538,686	5,280,444

[1] Includes paid executives of corporations but not proprietors of unincorporated businesses.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. VII.

No. 1058.—Personal, Business, and Repair Services—Employment by Size of Establishment, Based on Number Employed: 1948

[For kinds of personal, business and repair services covered, see table 1056]

Number of employees per establishment	Establishments		Receipts, entire year ($1,000)	Payroll, entire year[1] ($1,000)	Paid employees[1 2]
	Number	Percent of total			
Total	**559,559**	**100.0**	**8,578,162**	**2,871,214**	**1,342,496**
No paid employees	295,505	52.9	1,131,879	16,865	
1 paid employee	104,717	18.7	880,533	167,007	104,717
2 paid employees	56,549	10.1	762,076	197,000	113,098
3 paid employees	30,758	5.5	584,528	170,865	92,274
4 or 5 paid employees	28,809	5.1	787,017	256,199	127,100
6 or 7 paid employees	13,547	2.4	522,347	184,161	87,134
8 or 9 paid employees	6,656	1.2	333,462	125,808	66,003
10 to 19 paid employees	12,331	2.2	900,052	376,064	164,264
20 to 49 paid employees	7,244	1.3	1,024,109	488,137	219,433
50 to 99 paid employees	2,293	.4	645,378	342,045	157,482
100 or more paid employees	1,150	.2	1,006,781	547,063	220,991

[1] Includes paid executives of corporations but not proprietors of unincorporated businesses.
[2] Workweek ended nearest Nov. 15.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. VI.

No. 1059.—Amusements—Summary, by Kind of Business: 1948

[Covers establishments primarily engaged in providing amusement or entertainment. Excludes establishments operated by educational institutions, religious bodies, fraternal groups, government agencies and nonprofit organizations]

Kind of business	Establishments	Receipts (exc. taxes), entire year	Taxes[1]	Payroll, entire year[2]	Unincorporated businesses		Paid employees and payroll, workweek ended nearest Nov. 15[3]	
					Active proprietors, Nov.	Unpaid family workers, Nov.	Employees	Payroll
	Number	*$1,000*	*$1,000*	*$1,000*	*Number*	*Number*	*Number*	*Dollars*
United States	**50,347**	**2,349,601**	**323,396**	**610,034**	**37,874**	**17,458**	**341,931**	**11,551,185**
Motion picture theaters	18,631	1,352,880	261,402	302,511	8,488	6,004	187,031	5,732,102
Bands, orchestras, and entertainers	2,026	28,509	(4)	17,066	1,742	122	10,335	367,166
Bowling alleys, billiard and pool parlors	14,166	202,761	1,364	64,315	13,760	3,448	76,543	1,553,552
Billiard and pool parlors	9,661	65,485	442	12,413	9,588	2,007	9,766	265,290
Bowling alleys	4,505	137,276	922	51,902	4,172	1,441	66,777	1,288,262
Dance halls, studios, and schools	1,074	32,998	4,207	9,879	1,018	865	8,597	194,177
Race track operation, total	198	177,032	10,878	35,538	85	33	7,615	593,800
Sports promoters and commercial operators	6,518	169,964	23,369	57,553	5,869	4,420	17,196	943,882
Baseball and football clubs, athletic fields, sports promoters	589	110,555	20,142	42,803	164	35	8,885	710,493
Baseball clubs (inc. promoters)	357	65,062	12,121	28,394	34	10	3,066	166,272
Football clubs (inc. promoters)	21	10,239	1,761	5,464	5		1,047	305,489
Stadiums, athletic fields, promoters of boxing, wrestling, and other athletic events	211	35,354	6,260	8,945	125	25	4,772	238,732
Bathing beaches	261	3,849	229	1,014	234	277	200	6,775
Golf courses	325	8,304	64	2,501	252	157	900	36,195
Riding academies	709	5,180	17	1,145	669	460	698	21,933
Skating rinks	1,424	19,775	2,144	5,283	1,409	1,237	4,783	115,512
Swimming pools	499	6,670	668	1,838	381	371	444	12,090
Commercial sports operators, n. e. c.	2,711	15,531	105	2,969	2,760	1,883	1,286	40,884
Theaters and theatrical producers (exc. motion picture)	1,426	133,902	(4)	56,803	1,236	143	13,288	1,139,381
Miscellaneous amusement and recreation services	6,308	251,555	11,777	66,369	5,676	2,423	21,326	1,027,035
Amusement devices	1,604	22,953	1,447	4,703	1,083	704	1,096	36,310
Amusement parks	368	38,660	3,388	12,237	270	221	2,708	101,026
Shooting galleries	181	1,581	5	339	140	56	139	5,333
Coin-operated amusement device services	2,447	97,460	1,731	20,232	2,596	555	7,265	385,079
Misc. amusement and recreation services, n. e. c.	1,708	90,901	5,206	28,858	1,587	887	10,118	499,287

[1] Consists of Federal, State and local amusement, sales and excise taxes collected directly from customer and paid directly to taxing agency.
[2] Includes paid executives of corporations but not proprietors of unincorporated businesses.
[3] Withheld to avoid disclosure of individual operations.
[4] Includes legalized gambling operations. Net revenues of pari-mutuel betting at race tracks included in "Race track operation."

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. VII.

No. 1060.—Power Laundries, Cleaning and Dyeing Establishments, and Rug Cleaning Establishments—Summary: 1919 to 1948

[**All money figures in thousands of dollars.** Statistics for 1948 cover establishments reporting receipts of $500 or more; statistics for 1939 cover establishments reporting receipts of $100 or more; for preceding specified census years statistics cover establishments reporting receipts of $5,000 or more. The Business Censuses of 1948 and 1939 classified establishments shown in this table as service establishments. (See also table 1056.) Statistics for 1935 and earlier years were compiled in connection with the Census of Manufactures. Rug cleaning was treated, in general, as an activity of the power laundry industry for 1929 and earlier years]

YEAR	Number of establishments	Proprietors and firm members	Salaried employees	Wage earners [1] (average for year)	Salaries [1]	Wages [1]	Cost of supplies, fuel, and purchased electric energy	Cost of contract work	Receipts for work done
Power laundries:									
1919	4,881	(2)	(2)	130,489	(2)	91,926	52,842	1,555	238,816
1925	4,859	3,851	15,412	169,200	31,013	162,466	55,407	1,107	362,295
1929	6,776	5,220	21,964	233,187	49,833	228,861	80,265	(3)	541,158
1935	6,316	4,244	19,920	208,354	34,586	154,791	62,796	2,356	369,452
1939	6,773	5,174	(4)	[4] 249,008	(5)	[5] 233,606	(2)	(2)	463,579
1948	6,783	5,569	(4)	[4] 272,495	(5)	[5] 501,646	(2)	(2)	913,036
Cleaning and dyeing establishments:									
1919	1,748	(2)	(2)	18,408	(2)	17,866	11,511	461	53,183
1925	2,406	2,263	5,769	29,386	10,550	37,590	15,188	814	102,394
1929	5,296	4,912	9,244	59,148	20,390	75,931	26,837	(3)	201,255
1935	5,510	4,980	9,334	57,286	12,483	49,792	21,656	1,129	130,657
1939	11,604	11,845	(4)	[4] 82,810	(5)	[5] 80,014	(2)	(2)	182,698
1948	24,017	26,601	(4)	[4] 203,807	(5)	[5] 385,155	(2)	(2)	807,673
Rug cleaning establishments:									
1935	506	395	670	2,344	1,136	2,260	1,211	90	8,601
1939	1,012	949	(4)	[4] 3,429	(5)	[5] 3,968	(2)	(2)	10,618
1948	1,517	1,547	(4)	[4] 6,159	(5)	[5] 14,279	(2)	(2)	36,684

[1] Includes data for paid executives of corporations but not for proprietors of unincorporated businesses.
[2] No comparable data. [3] Included in figure for cost of supplies, fuel, and purchased electric energy.
[4] Data for "Salaried employees" included in "Wage earners (average for year)." 1948 data covered all paid employees who were on the payroll during the November 15 workweek.
[5] Data for "Salaries" included in "Wages."

Source: Department of Commerce, Bureau of the Census; Biennial Census of Manufactures reports for 1935 and earlier years; *1939 Census of Business*, Vol. III; and *U. S. Census of Business: 1948*, Vol. VII.

No. 1061.—Hotels—Summary, 1929 to 1948, and by Size, 1948

[Covers commercial establishments known to the public as hotels and primarily engaged in providing lodging, or lodging and meals, to the general public. For 1935, 1939, and 1948 hotels having less than 6 guest rooms or receipts of less than $500 for a full year's operations were excluded]

YEAR	Number of hotels	Number of guest rooms	Receipts (thousands of dollars)	Paid employees [1]	Total payroll (thousands of dollars) [1]
All hotels:					
1939	27,987	1,444,390	863,155	338,029	243,228
1948	29,650	1,549,823	2,172,756	398,293	660,004
Year-round hotels with 25 or more guest rooms:					
1929 [2]	11,873	1,005,684	873,508	267,903	232,137
1933 [2]	10,680	890,866	398,674	190,183	118,489
1935 [2]	11,373	934,661	565,317	234,491	158,400
1939	14,084	1,143,704	759,084	303,621	224,877
1948	14,547	1,192,728	1,854,806	370,422	591,529

ITEM	SIZE OF HOTEL, 1948 (number of guest rooms)				
	Less than 25 rooms	25 to 49 rooms	50 to 99 rooms	100 to 299 rooms	300 rooms or more
Number of hotels	12,307	8,679	5,268	2,862	534
Receipts (1,000 dollars)	157,271	220,449	341,132	681,838	772,066
Active proprietors of unincorporated businesses	12,618	8,383	3,992	1,324	94
Paid employees [1]	21,082	34,281	59,980	134,459	148,491

[1] Includes data for paid executives of corporations but not for proprietors of unincorporated businesses. For 1929, 1933, and 1935, average based on number of employees for April, July, October, and December; for 1939, average for year; for 1948, number for workweek ending nearest Nov. 15.
[2] Figures for California not included.

Source: Department of Commerce, Bureau of the Census; *1939 Census of Business*, Vol. III, and *U. S. Census of Business: 1948*, Vol. VI.

No. 1062.—Hotels—Summary by States: 1948

[See headnote, table 1061]

DIVISION AND STATES	Hotels	Guest rooms	Active proprietors,[1] November	Payroll, entire year[2]	RECEIPTS, ENTIRE YEAR				PAID EMPLOYEES AND PAYROLL, WORKWEEK ENDED NEAREST NOV. 15	
					Total	Room rentals and sales of meals[3]	Sales of alcoholic drinks	Other sources	Employees	Payroll
United States	*Number* 29,650	*Number* 1,549,823	*Number* 26,411	*$1,000* 660,004	*$1,000* 2,172,756	*$1,000* 1,762,905	*$1,000* 248,441	*$1,000* 161,410	*Number* 398,293	*$1,000* 12,449
Year-round hotels	24,448	1,343,081	21,116	614,538	1,981,626	1,592,164	237,393	152,069	389,025	12,127
Seasonal hotels	5,202	206,742	5,295	45,466	191,130	170,741	11,048	9,341	9,268	322
New England	2,192	94,233	1,810	42,572	143,273	111,034	24,981	7,258	22,705	690
Maine	462	17,699	411	4,796	17,975	13,944	3,059	972	2,517	65
New Hampshire	460	15,446	459	3,962	15,096	13,266	1,158	672	1,377	35
Vermont	221	6,670	173	2,304	8,318	6,623	1,267	428	1,308	35
Massachusetts	665	35,302	454	22,004	70,503	53,433	13,469	3,601	12,457	393
Rhode Island	96	4,822	76	2,660	8,481	6,167	2,029	285	1,352	46
Connecticut	288	14,294	237	6,846	22,900	17,601	3,999	1,300	3,694	116
Middle Atlantic	5,058	342,628	4,615	194,325	610,165	488,771	87,745	33,649	99,049	3,443
New York	2,664	220,637	2,324	134,701	409,571	330,831	55,470	23,270	64,373	2,389
New Jersey	1,170	60,322	1,112	24,322	83,655	69,614	10,538	3,503	11,842	390
Pennsylvania	1,224	61,669	1,179	35,302	116,939	88,326	21,737	6,876	22,834	663
East North Central	4,545	286,264	3,949	131,221	418,125	327,413	56,735	33,977	79,349	2,555
Ohio	766	52,389	553	20,902	92,320	72,235	13,499	6,586	19,337	591
Indiana	522	26,796	439	10,539	35,606	28,790	4,289	2,527	7,678	208
Illinois	1,259	117,284	1,003	57,848	171,403	138,538	17,467	15,398	31,664	1,125
Michigan	1,136	58,929	1,129	20,627	73,946	54,839	12,587	6,520	13,237	412
Wisconsin	862	30,866	825	12,305	44,850	33,011	8,893	2,946	7,433	219
W. North Central	3,303	145,270	3,115	49,716	170,446	142,678	14,960	12,808	36,172	1,003
Minnesota	818	33,479	832	12,090	40,690	32,889	4,838	2,963	7,469	236
Iowa	442	21,082	398	6,991	23,782	21,053	1,010	1,719	5,678	138
Missouri	818	45,621	703	18,434	59,321	48,421	6,404	4,496	12,812	380
North Dakota	219	7,648	226	1,857	8,308	6,387	1,122	859	1,544	38
South Dakota	194	6,535	168	1,439	5,841	5,093	270	478	1,156	31
Nebraska	347	14,348	328	4,985	17,834	15,395	1,210	1,229	4,038	99
Kansas	465	16,557	460	3,920	14,610	13,440	106	1,064	3,475	81
South Atlantic	3,697	187,590	3,094	75,285	268,231	231,321	17,099	19,811	52,721	1,451
Delaware	71	1,981	72	1,380	4,638	2,784	972	882	753	25
Maryland	262	11,159	231	5,668	19,358	14,775	3,042	1,541	4,026	103
Dist. of Columbia	100	16,699	63	13,465	40,931	32,287	5,027	3,617	7,884	268
Virginia	447	19,839	353	9,619	32,091	28,575	777	2,739	7,178	175
West Virginia	255	11,453	197	4,622	14,630	13,275	234	1,121	3,847	104
North Carolina	405	18,805	319	5,837	21,987	20,612	266	1,109	4,937	110
South Carolina	196	7,877	155	2,629	9,676	9,053	182	441	2,351	47
Georgia	346	17,878	270	6,570	25,109	21,182	1,485	2,442	6,282	129
Florida	1,615	81,899	1,434	25,495	99,811	88,778	5,114	5,919	15,463	490
East South Central	1,035	47,838	863	18,879	67,471	58,512	2,864	6,095	17,348	368
Kentucky	308	13,311	281	5,480	19,186	16,097	1,525	1,564	4,421	105
Tennessee	323	16,427	263	6,653	23,623	20,919	285	2,419	6,422	131
Alabama	214	9,386	173	3,606	13,285	11,484	737	1,064	3,519	71
Mississippi	190	8,714	146	3,110	11,377	10,012	317	1,048	2,986	62
W. South Central	2,705	110,826	2,231	37,456	132,472	111,953	4,481	16,038	31,250	750
Arkansas	319	12,094	309	3,632	13,329	11,549	195	1,585	3,427	74
Louisiana	287	12,452	221	6,478	22,953	17,813	2,908	2,232	5,494	123
Oklahoma	607	23,308	530	5,412	17,751	16,002	122	1,627	4,442	109
Texas	1,492	62,972	1,171	21,934	78,439	66,589	1,256	10,594	17,887	444
Mountain	2,322	85,233	2,252	30,841	105,604	78,564	12,684	14,356	17,147	612
Montana	398	13,673	430	3,266	12,498	9,426	2,257	815	2,118	69
Idaho	220	7,460	203	3,270	9,309	7,209	821	1,279	1,727	60
Wyoming	208	7,928	202	2,158	8,039	6,183	1,367	489	932	31
Colorado	652	25,525	669	6,690	24,316	20,238	2,452	1,626	4,341	133
New Mexico	237	7,216	226	2,058	7,882	6,372	922	588	1,569	42
Arizona	266	9,479	213	4,392	14,606	11,968	1,638	1,000	2,485	89
Utah	188	7,561	173	2,599	8,470	7,375	221	874	1,682	48
Nevada	153	6,391	136	6,399	20,484	9,793	3,006	7,685	2,293	139
Pacific	4,793	249,941	4,482	79,709	256,969	212,659	26,892	17,418	42,552	1,579
Washington	781	42,243	712	10,618	32,207	29,134	888	2,185	6,048	212
Oregon	468	23,389	502	6,212	19,881	17,893	476	1,512	3,664	125
California	3,544	184,309	3,268	62,879	204,881	165,632	25,528	13,721	32,840	1,242

[1] Active proprietors of unincorporated businesses.
[2] Includes paid executives of corporations but not proprietors of unincorporated businesses.
[3] 8,998 hotels with total receipts of $1,634,401,000 reported rentals and sales of meals separately as follows: rentals, $720,113,000; meals, $554,992,000.

Source: Department of Commerce, Bureau of the Census; *U. S. Census of Business: 1948*, Vol. VI.

No. 1063.—Advertising—Estimated Expenditures, by Medium: 1949 to 1953

[Amounts in millions]

Medium	1949		1950		1951		1952		1953 [1]	
	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total	Amount	Percent of total
Total	**$5,202**	**100.0**	**$5,710**	**100.0**	**$6,497**	**100.0**	**$7,150**	**100.0**	**$7,803**	**100.0**
National	2,965	57.2	3,257	57.0	3,736	57.5	4,105	57.4	4,517	57.9
Local	2,237	42.8	2,453	43.0	2,760	42.5	3,045	42.6	3,286	42.1
Newspapers	1,916	36.6	2,076	36.3	2,258	34.7	2,473	34.6	2,656	34.0
National	476	8.9	533	9.3	549	8.4	563	7.9	634	8.1
Local	1,440	27.7	1,542	27.0	1,709	26.3	1,910	26.7	2,021	25.9
Radio	628	12.2	668	11.7	712	10.9	679	9.5	708	9.1
National	383	7.5	394	6.9	406	6.2	370	5.2	380	4.9
Local	245	4.7	273	4.8	305	4.7	309	4.3	328	4.2
Magazines	493	9.5	515	9.0	574	8.9	616	8.6	663	8.5
Weeklies	245	4.7	261	4.6	297	4.6	325	4.5	348	4.5
Women's	129	2.5	129	2.3	144	2.2	149	2.1	157	2.0
General	84	1.6	88	1.5	95	1.5	101	1.4	117	1.5
Farm	35	.7	37	.6	38	.6	41	.6	41	.5
Farm papers	21	.4	21	.4	26	.4	29	.4	31	.4
Direct mail	756	14.5	803	14.1	924	14.2	1,024	14.3	1,076	13.8
Business papers	248	4.8	251	4.4	292	4.5	365	5.1	399	5.1
Outdoor	131	2.5	143	2.5	149	2.4	162	2.3	175	2.2
National	88	1.7	96	1.7	101	1.6	109	1.5	118	1.5
Local	43	.8	46	.8	49	.8	53	.8	57	.7
Television	68	1.2	201	3.5	388	6.0	509	7.1	689	8.8
National	49	1.0	146	2.5	297	4.6	406	5.7	530	6.8
Local	19	.2	55	1.0	92	1.4	104	1.4	159	2.0
Miscellaneous	942	18.3	1,033	18.1	1,174	18.0	1,292	18.1	1,408	18.1
National	478	9.3	518	9.1	594	9.1	653	9.1	718	9.2
Local	470	9.0	515	9.0	580	8.9	639	9.0	690	8.9

[1] Preliminary.

Source: Compiled by McCann-Erickson, Inc., for Printers' Ink Publications, New York, N. Y. Published in *Printers' Ink*.

No. 1064.—Advertising—Indexes of National Advertising Expenditures, by Media Type: 1935 to 1953

[1947-49=100. Base for all indexes is the average monthly expenditure for those media which give national coverage]

Type	1935	1940	1945	1948	1949	1950	1951	1952	1953 [1]
PRINTERS' INK									
General index	30	41	72	102	106	116	130	143	158
Total magazines	27	40	73	103	99	108	115	123	133
Weekly	22	42	75	103	98	105	119	130	140
Women's	30	37	74	101	98	98	109	113	119
General	29	40	70	102	98	108	112	119	138
Farm	19	36	61	107	105	112	110	122	123
Network radio	30	55	97	103	99	96	88	79	69
Network television [2]					17	49	104	147	186
Newspapers	38	41	52	98	118	133	137	140	158
Outdoor	27	39	59	104	104	113	118	128	138
Business papers	21	31	84	103	102	103	120	130	164
TIDE									
General index						113.1	126.4	137.8	154.3
Newspapers						126.7	128.1	130.3	148.7
Magazines						102.3	111.9	122.9	132.8
Network radio						95.3	90.4	84.8	83.0
Network television [3]							100.0	141.1	178.0
Outdoor						114.3	118.0	128.8	139.5
Farm						106.5	107.9	114.0	114.3
Business papers						100.3	125.5	140.8	167.2

[1] Printers' Ink indexes preliminary.
[2] Base period: 1950-52=100.
[3] Base period: 1951=100.

Source: Printers' Ink Publications, New York, N. Y.; Tide Publishing Co., New York, N. Y.

No. 1065.—Advertising—Expenditures for National Advertising in Newspapers, by Type of Product: 1951 to 1953

[*In thousands of dollars.* Data are compiled on basis of actual space measurements of bulk of "national" advertising carried by weekday and Sunday newspapers. Figures represent projections to 100 percent; newspapers actually measured account for approximately 88 percent or slightly better of total weekday circulation and approximately 92 percent or better of total Sunday circulation]

TYPE OF PRODUCT	1951	1952	1953	TYPE OF PRODUCT	1951	1952	1953
Total	513,486	526,058	601,221	Insurance	4,970	5,780	8,518
				Jewelry and silverware	1,424	1,170	1,217
Agriculture	6,969	9,888	12,510	Medical	24,748	23,646	21,294
Alcoholic beverages	51,046	51,525	57,390	Professional and service	717	765	840
Amusements	1,788	1,668	1,086	Publications	17,124	17,853	16,788
Automotive	97,038	97,874	129,623	Public utilities	10,126	11,256	13,747
Confections	2,866	3,670	3,284	Radio and television	22,549	18,782	26,975
Educational	1,404	1,423	1,491	Sporting goods	1,846	2,467	3,493
Groceries	127,481	120,825	133,131	Tobacco	15,938	16,918	20,137
Hotels and resorts	10,588	11,639	12,444	Toilet requisites	35,606	43,049	46,328
Housing equipment and supplies	24,572	20,646	26,226	Transportation	22,716	24,163	27,904
Industrial	9,809	11,681	11,703	Wearing apparel	5,840	6,789	5,553
				Miscellaneous	16,321	22,581	18,532

Source: Compiled by Media Records, Inc., for Bureau of Advertising of American Newspaper Publishers Association; published in *Advertising Age.*

No. 1066.—Advertising—Newspaper Advertising Linage for 52 Cities: 1928 to 1953

[*In thousands of lines.* Data represent newspaper linage in all newspapers, daily and Sunday, in the following 52 cities: Akron, Albany, Albuquerque, Atlanta, Baltimore, Birmingham, Boston, Buffalo, Chicago, Cincinnati, Cleveland, Columbus, Dallas, Dayton, Denver, Detroit, El Paso, Fort Worth, Hartford, Houston, Indianapolis, Jacksonville, Knoxville, Los Angeles, Memphis, Milwaukee, Minneapolis, Nashville, New Orleans, Oakland, Oklahoma City, Omaha, Pittsburgh, Portland, Reading, Richmond, Rochester, Salt Lake City, San Antonio, San Diego, San Francisco, Seattle, South Bend, Spokane, St. Louis, Syracuse, Tacoma, Toledo, Tulsa, Washington, Worcester, and Youngstown. List of cities is unchanged throughout the period covered by the data. General advertising is the advertising of specific products on general sale, as distinguished from the advertising of retail stores, and automotive or financial advertising]

YEAR	Total	Classified	DISPLAY			
			Total	Automotive	Financial	General	Retail
Monthly average:							
1928	160,207	28,820	121,387	11,860	5,500	24,148	79,878
1929	158,101	28,787	129,314	12,539	6,181	28,240	82,354
1930	137,854	24,913	112,941	8,932	4,938	25,254	73,817
1931	122,072	22,106	99,966	6,718	3,415	21,818	68,015
1932	97,064	18,363	78,701	5,316	1,973	16,819	54,592
1933	88,793	16,489	72,364	5,220	1,682	15,070	49,782
1934	98,240	17,110	81,130	6,109	1,594	17,615	55,812
1935	103,912	19,081	84,831	6,077	1,776	18,081	58,896
1936	115,010	22,123	92,887	6,069	2,085	20,959	63,774
1937	117,472	23,618	93,854	5,650	1,873	20,590	65,734
1938	102,097	21,251	80,846	3,938	1,598	15,990	59,315
1939	103,629	21,050	82,569	4,390	1,692	15,988	60,498
1940	105,719	21,901	83,818	5,167	1,619	15,719	61,313
1941	109,436	22,714	86,722	4,704	1,707	16,171	64,141
1942	103,473	21,443	82,030	2,235	1,469	16,388	61,938
1943	116,308	27,920	88,448	2,696	1,480	20,619	63,653
1944	113,437	25,741	87,696	2,623	1,530	20,910	62,632
1945	115,969	26,680	89,289	2,888	1,841	20,504	64,056
1946	144,143	35,305	108,838	3,509	2,198	22,190	80,940
1947	167,378	39,467	127,911	5,723	2,035	26,217	93,937
1948	188,621	43,537	145,083	6,895	2,149	28,220	107,819
1949	191,831	40,335	151,495	8,790	2,112	29,565	111,028
1950	203,346	42,553	160,793	10,049	2,356	32,464	115,924
1951	206,539	48,501	158,037	9,166	2,514	30,655	115,802
1952	208,783	51,459	157,323	8,952	2,690	29,094	116,587
1953	217,556	54,070	163,486	11,679	2,785	30,677	118,351

Source: Compiled by Media Records, Inc. and published currently in Department of Commerce, Office of Business Economics, *Survey of Current Business.*

No. 1067.—Advertising—Volume of Magazine Advertising: 1948 to 1953

[In thousands of dollars. Data represent advertising revenue of general magazines and national farm magazines. Space cost is based on one-time rate; special rates are used where applicable. Retail advertising and direct-mail advertising are not distributed according to type of product, but are included in "All other." Figures from year to year may not be strictly comparable, as a few minor publications are added or deleted]

TYPE OF PRODUCT	1948	1949	1950	1951	1952	1953
Cost, total	458,677	440,795	458,451	513,851	553,024	598,491
Apparel, footwear and accessories	47,629	41,718	39,038	44,517	44,565	48,658
Automotive, automotive accessories and equipment	38,189	40,906	41,969	41,379	46,935	55,969
Beer, wine and liquor	27,120	26,847	26,581	31,278	30,118	30,210
Building materials, equipment and fixtures	19,106	17,817	20,064	24,851	28,225	32,067
Drugs and remedies	11,341	11,591	12,774	14,354	17,061	16,279
Food and food products	49,543	50,860	53,591	57,628	61,224	66,330
Household equipment and supplies	34,243	27,913	34,326	34,774	35,623	40,245
Household furnishings	24,945	23,475	24,820	28,433	26,830	28,773
Industrial materials	21,602	20,904	24,490	33,348	40,578	43,090
Smoking materials	12,021	14,309	12,997	13,663	14,559	14,749
Toiletries and toilet goods	39,007	37,402	37,541	40,061	40,931	39,187
Transportation, hotels and resorts, industrial and agricultural development	14,267	14,663	15,627	18,014	21,618	23,796
All other	119,664	112,390	114,633	131,551	144,766	159,138

Source: Publishers' Information Bureau, Inc., New York, N. Y.

No. 1068.—Advertising—Gross Time Cost for Radio and Television Advertising: 1950 to 1953

[In thousands of dollars. Gross time charges computed at the one-time rate, before application of size and frequency discounts. Net time charges, after application of such discounts, are currently approximately 40 percent less for radio and 25 percent less for television. No allowance included for talent, production, and wire charges]

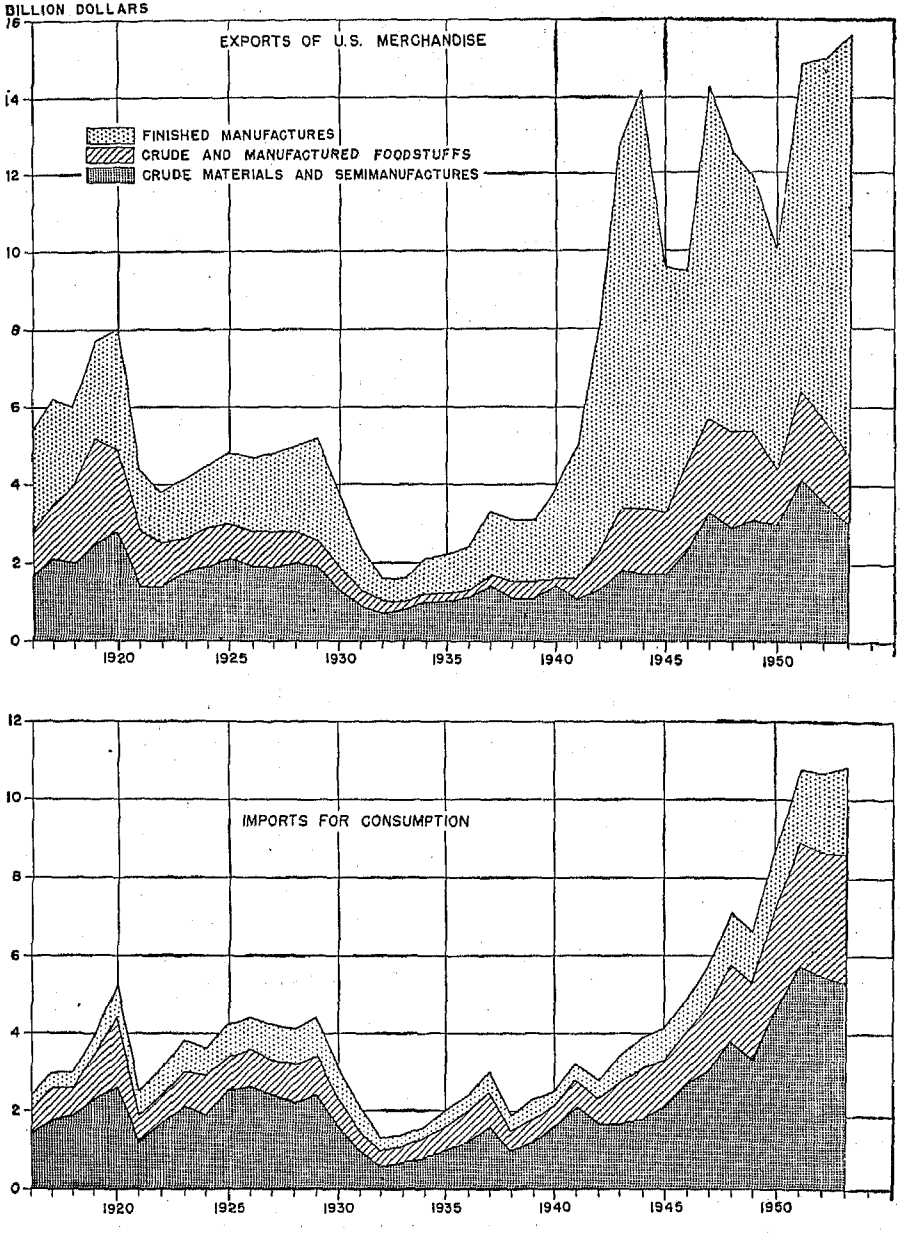
TYPE OF PRODUCT	RADIO				TELEVISION			
	1950	1951	1952	1953	1950 [1]	1951	1952	1953
Cost of facilities, total	183,519	174,719	163,453	160,535	40,779	127,990	180,795	227,586
Apparel, footwear and accessories	1,508	601	420	1,223	901	3,141	2,985	2,832
Automotive, automotive accessories and equipment	5,009	4,293	4,376	8,025	5,325	11,051	15,465	21,059
Beer, wine and liquor	2,775	3,178	2,203	1,896	1,704	5,756	5,650	5,727
Confectionery and soft drinks	6,148	6,264	5,297	3,012	1,839	3,411	5,042	5,610
Drugs and remedies	24,433	22,132	21,030	21,125	392	2,800	6,103	9,641
Food and food products	44,861	42,486	36,834	35,126	6,602	25,840	33,807	42,182
Gasoline, lubricants and other fuel	5,509	5,722	5,180	4,960	1,516	2,925	3,613	2,861
Household equipment and supplies	3,086	3,160	6,651	6,495	2,653	8,528	11,460	19,946
Household furnishings	601	1,005	1,435	1,652	2,090	3,556	2,328	2,938
Insurance	2,853	3,284	3,336	2,242	79	391	605	1,452
Radios, TV sets, phonographs, musical instruments and accessories	1,232	2,747	2,876	2,489	3,421	4,661	5,682	4,325
Smoking materials	22,489	20,610	15,960	15,008	6,250	17,993	28,430	36,060
Soaps, cleansers and polishes	20,700	17,949	18,326	15,891	863	11,038	21,004	22,907
Toiletries and toilet goods	25,783	25,787	23,215	26,028	4,183	16,455	24,804	36,339
All other	16,532	15,501	16,314	15,363	2,961	10,444	13,817	13,707

[1] Excluding Du Mont.

Source: Publishers' Information Bureau, Inc., New York, N. Y.

Fig. XLIX.—Foreign Trade by Economic Classes: 1916 to 1953

[See table 1089]



Source: Department of Commerce, Bureau of the Census.